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ANNUAL REPORT

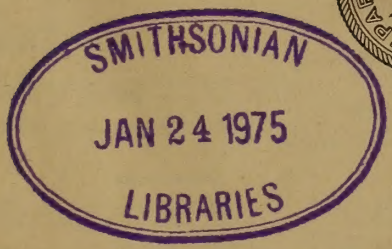
170

OF THE

COMMISSIONER OF PATENTS

FOR THE YEAR

1918



WASHINGTON
GOVERNMENT PRINTING OFFICE
1919

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REPORT

OF THE

COMMISSIONER OF PATENTS

TO CONGRESS

FOR THE YEAR ENDED DECEMBER 31, 1918.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1919.

To the Senate and House of Representatives:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1918:

RECEIPTS.

Detailed statement of all moneys received for patents, for copies of records or drawings, or from any source whatever.

Applications:	
Cash received	$1,695,933.00
Cash refunded	8,570.50
Net cash	1,687,362.50
Certificates of deposit	57,885.00
Total cash and certificates	1,745,247.50
Copies:	
Cash received	188,862.75
Cash refunded	3,913.85
Net cash	184,948.90
Certificates of deposit	1,030.30
Total cash and certificates	185,979.20
Recording assignments:	
Cash received	25,797.20
Cash refunded	1,233.86
Net cash	24,563.34
Certificates of deposit	136.00
Total cash and certificates	24,699.34
Registration of prints and labels:	
Cash received	5,945.00
Cash refunded	306.00
Net cash	5,639.00
Certificates of deposit	42.00
Total cash and certificates	5,681.00
Court costs:	
Cash received	97.28
Cash refunded	-----
Net cash	97.28
Certificates of deposit	-----
Total cash and certificates	97.28
Aggregates.	
Cash received	1,916,635.23
Cash refunded	14,024.21
Net cash	1,902,611.02
Certificates of deposit	59,093.30
Total cash and certificates	1,961,704.32
Receipts from sale of Official Gazette and other publications through Government Printing Office, estimated	15,814.50
Grand total	1,977,518.82

EXPENDITURES.

Amounts expended under the several appropriations from January 1 to December 31, 1918.

Salaries	$1,352,915.14
Scientific library	2,591.94
International Union for Protection of Industrial Property	673.18
Stationery	15,022.78
Postage on foreign matter	479.45
Furniture, carpets, ice, telephones, washing towels, and sundries	25,835.87
Photolithographing:	
Current issue	51,917.95
Reproductions	55,881.07
Photographic copies	3,614.23
Photostat supplies, etc	16,494.02
Foreign patents	7,383.60
Printing and binding:	
Official Gazette, with indexes	140,258.38
Specifications	363,575.85
Miscellaneous	24,000.82
Defending suits	293.89
Total	2,050,938.17

RECEIPTS AND EXPENDITURES.

Expenditures	$2,050,938.17
Receipts from all sources	1,977,518.82
Deficit	73,419.35

Surplus earnings of the Patent Office, deposited in the Treasury of the United States.

Amount of total net surplus in Treasury, Jan. 1, 1918	$8,223,883.45
Deficit for the year 1918	73,419.35
Total net surplus, Dec. 31, 1918	8,150,464.10

SUMMARY OF THE BUSINESS OF THE PATENT OFFICE.

Applications for patents for inventions	57,180
Applications for patents for designs	2,232
Applications for reissues of patents	203
Total	59,615
Applications for registration of trade-marks	6,846
Applications for registration of labels	754
Applications for registration of prints	242
Disclaimers filed	17
Appeals on the merits	1,918
Notices of opposition	154
Total	9,931
Applications without fees:	
For inventions, (act of Mar. 3, 1883)	167
For designs, (Rule 170)	2
For reissues, inventions, (Rule 170)	15
For reissues, designs, (Rule 170)	1
Total	185
Patents issued, excluding designs	38,569
Design patents issued	1,207
Patents reissued	165
Total	39,941
Trade-marks registered	4,061
Labels registered	654
Prints registered	197
Total	4,912
Patents expired during the year	25,558
Applications forfeited for nonpayment of final fees	9,040
Applications allowed awaiting payment of final fees	14,378
Trade-mark applications passed for publication	4,607

PATENTS ISSUED.

Patents issued to citizens of the United States with the ratio of population to each patent granted.

States.	Patents and designs.	One to every—	States.	Patents and designs.	One to every—
Alabama	196	10,909	North Dakota	146	3,952
Arizona	98	2,085	Ohio	2,568	1,856
Arkansas	117	13,457	Oklahoma	334	4,962
California	2,151	1,105	Oregon	336	2,002
Colorado	423	1,889	Pennsylvania	3,163	2,423
Connecticut	909	1,226	Rhode Island	298	1,821
Delaware	80	2,529	South Carolina	106	14,296
Florida	160	4,704	South Dakota	156	3,743
Georgia	222	11,753	Tennessee	199	10,979
Idaho	121	2,691	Texas	632	6,165
Illinois	3,953	1,426	Utah	154	2,424
Indiana	827	3,266	Vermont	64	5,562
Iowa	704	3,160	Virginia	290	7,109
Kansas	380	4,450	Washington	680	1,679
Kentucky	243	9,423	West Virginia	215	5,679
Louisiana	151	10,969	Wisconsin	1,048	2,227
Maine	120	6,186	Wyoming	57	2,561
Maryland	305	4,247			
Massachusetts	2,174	1,548			
Michigan	1,617	1,738	Alaska	16	4,022
Minnesota	871	2,383	Canal Zone	5	6,210
Mississippi	83	21,652	District of Columbia	253	1,309
Missouri	1,071	3,075	Hawaii	38	5,050
Montana	189	1,990	Philippine Islands	20	443,999
Nebraska	339	3,517	Porto Rico	5	223,602
Nevada	41	1,997	United States Army	12	.....
New Hampshire	123	3,500	United States Navy	5	.....
New Jersey	1,983	1,279	United States Marines	1	.....
New Mexico	55	5,951			
New York	6,075	1,500	Total	[1] 36,776	.....
North Carolina	194	11,373			

[1] Not including 165 reissues and 117 patents withdrawn.

Patents granted to residents of foreign countries.

Algeria	2	Dominican Republic	1	Japan	28	South Australia	4
Argentina	8	Dutch East Indies	4	Java	1	Spain	9
Austria-Hungary	15	Ecuador	1	Mexico	19	Sweden	109
Belgium	11	England	818	Morocco	1	Switzerland	146
Bermuda	2	France	208	Netherlands	39	Tasmania	2
Brazil	8	Germany	235	New South Wales	45	Transvaal	5
British West Indies	3	Gold Coast Colony	1	New Zealand	32	Uruguay	3
Canada	742	Greece	3	Norway	62	Venezuela	1
Chile	6	Guatemala	1	Panama	3	Victoria	31
China	6	Honduras	4	Peru	3	Wales	22
Colombia	4	India	3	Queensland	9	West Australia	2
Cuba	29	Ireland	23	Russia	10		
Denmark	29	Italy	59	Scotland	71	Total	2,883

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the Office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1918, inclusive.

Year.	Applications.[1]	Caveats filed.[2]	Patents and reissues.	Cash received.	Cash expended.	Surplus.
1837	.....	.....	435	$29,289.08	$33,506.98	.....
1838	.....	.....	520	42,123.54	37,338.92	$4,784.62
1839	.....	.....	425	38,019.97	34,543.51	3,476.46
1840	765	228	473	38,056.51	39,020.67	.....
1841	847	312	495	40,413.01	52,666.87	.....
1842	761	291	517	36,505.63	31,241.43	5,264.20
1843	819	315	519	35,315.81	30,776.96	4,538.85
1844	1,045	380	497	42,509.26	36,344.53	6,164.73
1845	1,246	452	503	51,076.14	39,395.65	11,680.49
1846	1,272	448	638	50,264.16	46,158.71	4,105.45
1847	1,531	533	569	63,111.19	41,878.35	21,232.84
1848	1,628	607	653	67,576.60	58,905.84	8,670.85
1849	1,955	595	1,077	80,752.78	77,716.44	3,036.34
1850	2,193	602	993	86,927.05	80,100.95	6,826.10
1851	2,258	760	872	95,738.61	86,916.93	8,821.68
1852	2,639	996	1,019	112,056.34	95,916.91	16,139.43
1853	2,673	901	961	121,527.45	132,869.83	.....
1854	3,324	868	1,844	163,789.84	167,146.32	.....
1855	4,435	906	2,013	216,459.35	179,540.33	36,919.02
1856	4,960	1,024	2,505	192,588.02	199,931.02	.....
1857	4,771	1,010	2,896	196,132.01	211,582.09	.....
1858	5,364	943	3,710	203,716.16	193,193.74	10,522.42
1859	6,225	1,079	4,538	245,942.15	210,278.41	35,663.74
1860	7,653	1,084	4,819	256,352.59	252,820.80	3,531.79
1861	4,643	700	3,340	137,354.44	221,491.91	.....
1862	5,038	824	3,521	215,754.99	182,810.39	32,944.06
1863	6,014	787	4,170	195,593.29	189,414.14	6,179.15
1864	6,972	1,063	5,020	240,919.98	229,868.00	11,051.98
1865	10,664	1,932	6,616	348,791.84	274,199.34	74,592.50
1866	15,269	2,723	9,450	495,665.38	361,724.28	133,941.10

Comparative statement of the business of the Office from 1837 to 1918, inclusive—Continued.

Year.	Applications.[1]	Caveats filed.[2]	Patents and reissues.	Cash received.	Cash expended.	Surplus.
1867	21,276	3,597	13,015	$646,581.92	$639,263.32	$7,318.60
1868	20,445	3,705	13,378	681,565.86	628,679.77	52,886.09
1869	19,271	3,624	13,986	693,145.81	486,430.74	206,715.07
1870	19,171	3,273	13,321	669,456.76	557,147.19	112,309.57
1871	19,472	3,366	13,033	678,716.46	562,091.64	116,624.82
1872	18,246	3,090	13,590	699,726.39	665,595.00	34,131.39
1873	20,414	3,248	12,864	703,191.77	691,178.98	12,012.79
1874	21,602	3,181	13,591	738,278.17	679,288.41	58,959.76
1875	21,638	3,094	14,837	743,453.36	721,657.71	21,795.65
1876	21,425	2,697	15,595	757,987.65	652,542.60	105,445.05
1877	20,308	2,809	14,187	732,342.85	613,152.62	119,190.23
1878	20,260	2,755	13,444	725,375.55	593,082.89	132,292.66
1879	20,059	2,620	13,213	703,931.47	529,638.97	174,292.50
1880	23,012	2,490	13,947	749,685.32	538,865.17	210,820.15
1881	26,059	2,406	16,584	853,665.89	605,173.28	248,492.61
1882	31,522	2,553	19,267	1,009,219.45	683,867.67	325,351.78
1883	34,576	2,741	22,383	1,146,240.00	675,234.86	471,005.14
1884	35,600	2,582	20,413	1,075,798.80	970,579.76	105,219.04
1885	35,717	2,552	24,233	1,188,089.15	1,024,378.85	163,710.30
1886	35,968	2,513	22,508	1,154,551.40	992,503.45	162,047.95
1887	35,613	2,622	21,477	1,144,509.60	994,472.22	150,037.38
1888	35,797	2,251	20,506	1,118,516.10	973,108.78	145,407.32
1889	40,575	2,481	24,158	1,281,728.05	1,052,955.96	228,772.09
1890	41,048	2,311	26,292	1,340,372.66	1,099,297.74	241,074.92
1891	40,552	2,408	23,244	1,271,285.78	1,139,713.35	131,572.43
1892	40,753	2,290	23,559	1,286,331.88	1,110,739.24	175,592.59
1893	38,473	2,247	23,769	1,242,871.64	1,141,038.45	101,833.19
1894	38,439	2,286	20,867	1,187,439.58	1,100,047.12	87,392.46
1895	40,680	2,415	22,057	1,245,246.93	1,106,389.49	138,857.44
1896	43,982	2,271	23,373	1,324,059.83	1,113,413.71	210,646.12
1897	47,905	2,176	23,794	1,375,641.72	1,122,843.13	252,798.59
1898	35,842	1,659	22,267	1,137,734.48	1,136,196.20	1,538.28
1899	41,443	1,716	25,527	1,325,457.03	1,211,783.73	113,673.30
1900	41,980	1,731	26,499	1,350,828.53	1,260,019.62	90,808.91
1901	46,449	1,842	27,373	1,449,398.16	1,297,385.64	152,012.52
1902	49,641	1,851	27,886	1,552,859.08	1,393,345.54	159,513.54
1903	50,213	1,771	31,699	1,642,201.81	1,448,645.81	193,156.00
1904	52,143	1,808	30,934	1,657,326.53	1,476,000.38	181,326.15
1905	54,971	1,896	30,399	1,806,758.14	1,479,633.22	327,124.92
1906	56,482	1,885	31,965	1,790,921.38	1,554,891.20	236,030.18
1907	58,762	1,967	36,620	1,910,618.14	1,631,458.36	279,159.78
1908	61,475	2,110	33,682	1,896,847.67	1,712,303.42	184,544.25
1909	65,839	1,948	37,421	2,042,828.14	1,955,151.14	87,677.00
1910	64,629	970	35,930	2,025,536.69	2,005,711.94	19,824.75
1911	69,121	.....	34,084	2,019,388.03	1,953,689.91	65,698.12
1912	70,976	.....	37,731	2,118,158.30	2,022,066.11	96,092.19
1913	70,367	.....	36,788	2,084,417.79	1,947,383.28	137,034.51
1914	70,404	.....	41,850	2,251,892.82	2,000,770.12	251,122.70
1915	70,069	.....	44,934	2,290,773.47	2,053,442.15	239,331.32
1916	71,033	.....	45,927	2,345,540.94	2,115,367.91	228,173.03
1917	70,373	.....	42,760	2,258,377.10	2,048,173.16	210,203.94
1918	59,615	.....	39,941	1,977,518.82	2,050,938.17	−73,419.35

[1] Including patents, designs, and reissues.

[2] Caveat law repealed June 25, 1910.

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of Letters Patent commenced.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Calendar year.	Number of first patent and certificate issued in each calendar year.						Number of patents and certificates of registration issued during each calendar year.							
	Patents.	Designs.	Reissues.	Trade-marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.	Prints.	Total certificates.
1836 (July 28)	1						109							
1837	110						436							
1838	546		1				515		6					
1839	1,061		7				404		13					
1840	1,465		20				458		10					
1841	1,923		30				490		6					
1842	2,413		36				488		13					
1843	2,901	1	49				494	14	11	519				
1844	3,395	15	60				478	12	7	497				
1845	3,873	27	67				475	17	11	503				
1846	4,348	44	78				566	59	13	638				
1847	4,914	103	91				495	60	14	569				
1848	5,409	163	105				584	46	23	653				
1849	5,993	209	128				988	49	30	1,067				
1850	6,981	258	158				884	83	26	993				
1851	7,865	341	184				757	90	25	872				
1852	8,622	431	209				890	109	20	1,019				
1853	9,512	540	229				846	86	29	961				
1854	10,358	626	258				1,759	57	28	1,844				
1855	12,117	683	286				1,892	70	51	2,013				
1856	14,009	753	337				2,315	107	83	2,505				
1857	16,324	860	420				2,686	113	97	2,896				
1858	19,010	973	517				3,467	102	126	3,695				
1859	22,477	1,075	643				4,165	108	231	4,504				
1860	26,642	1,183	674				4,363	183	232	4,778				
1861	31,605	1,366	1,106				3,040	142	147	3,329				
1862	34,045	1,508	1,253				3,221	195	116	3,532				
1863	37,266	1,703	1,369				3,781	176	227	4,184				
1864	41,047	1,879	1,596				4,638	139	248	5,025				
1865	45,685	2,018	1,844				6,099	221	296	6,616				
1866	51,784	2,239	2,140				8,874	294	290	9,458				
1867	60,658	2,533	2,430				12,301	325	400	13,026				
1868	72,959	2,858	2,830				12,544	446	420	13,410				
1869	85,503	3,304	3,250				12,957	506	534	13,997				
1870	98,460	3,810	3,784	1			12,157	737	439	13,333	121			121
1871	110,617	4,547	4,223	122			11,687	905	464	13,056	486			486
1872	122,304	5,452	4,687	608			12,200	884	529	13,613	491			491
1873	134,504	6,336	5,216	1,099			11,616	747	501	12,864	492			492
1874	146,120	7,083	5,717	1,591	1		12,230	886	483	13,599	559	232		791
1875	158,350	7,969	6,200	2,150	233		13,291	915	631	14,837	1,138	232		1,370
1876	171,641	8,884	6,831	3,283	465		14,172	802	621	15,595	959	472		1,431
1877	185,813	9,686	7,452	4,247	937		12,920	699	568	14,187	1,216	392		1,608
1878	198,733	10,385	8,020	5,463	1,329		12,345	590	509	13,444	1,455	492		1,947
1879	211,678	10,975	8,529	6,918	1,821		12,133	592	488	13,213	872	355		1,227
1880	223,211	11,567	9,017	7,790	2,176		12,926	515	506	13,947	349	203		552
1881	236,137	12,082	9,523	8,139	2,379		15,548	565	471	16,584	834	202		1,035
1882	251,685	12,647	9,994	8,973	2,581		18,135	861	271	19,267	947	304		1,251
1883	269,820	13,508	10,265	9,920	2,885		21,196	1,020	167	22,383	902	906		1,808
1884	291,016	14,528	10,432	10,822	3,791		19,147	1,150	116	20,413	1,021	513		1,534
1885	310,163	15,678	10,548	11,843	4,304		23,331	773	129	24,233	1,067	391		1,458
1886	333,494	16,451	10,677	12,910	4,695		21,797	595	116	22,508	1,029	378		1,407
1887	355,291	17,046	10,793	13,939	5,073		20,429	949	99	21,477	1,133	380		1,513
1888	375,720	17,995	10,892	15,072	5,453		19,585	835	86	20,506	1,059	327		1,386
1889	395,305	18,830	10,978	16,131	5,780		23,360	723	75	24,158	1,229	319		1,548
1890	418,665	19,553	11,053	17,360	6,099		25,322	886	84	26,292	1,415	304		1,719
1891	443,987	20,439	11,137	18,775	6,403		22,328	836	80	23,244	1,762	137		1,899
1892	466,315	21,275	11,217	20,537	6,540		22,661	817	81	23,559	1,737	[1] 6		1,743
1893	488,976	22,092	11,298	22,274	None.	1	22,768	902	99	23,769	1,677	None.	2	1,679
1894	511,744	22,994	11,397	23,951	None.	3	19,875	928	64	20,857	1,806	None.	4	1,810
1895	531,619	23,922	11,461	25,757	None.	7	20,883	1,115	59	22,057	1,829	None.	3	1,832
1896	552,502	25,037	11,520	27,586	6,546	10	21,867	1,445	61	23,273	1,813	1	32	1,846
1897	574,369	26,482	11,581	29,399	6,547	42	22,098	1,631	65	23,794	1,671	14	16	1,701
1898	596,467	28,113	11,646	31,070	6,561	58	20,404	1,803	60	22,267	1,238	200	35	1,473
1899	616,871	29,916	11,706	32,308	6,761	93	23,296	2,139	92	25,527	1,649	511	100	2,260
1900	640,167	32,055	11,798	33,957	7,272	193	24,660	1,758	81	26,499	1,721	737	93	2,551
1901	664,827	33,813	11,879	35,678	8,009	286	25,558	1,734	81	27,373	1,928	878	159	2,965
1902	690,385	35,547	11,960	37,606	8,887	445	27,136	640	110	27,886	2,006	767	158	2,931
1903	717,521	36,187	12,070	39,612	9,654	603	31,046	536	117	31,699	2,186	990	270	3,446
1904	748,567	36,723	12,189	41,798	10,644	873	30,267	557	110	30,934	2,158	1,114	297	3,569
1905	778,834	37,280	12,299	43,956	11,758	1,170	29,784	486	129	30,399	4,490	830	359	5,679
1906	808,618	37,766	12,428	48,446	12,588	1,529	31,181	625	159	31,965	10,568	709	656	11,933
1907	839,799	38,391	12,587	59,014	13,297	1,874	35,880	589	151	36,620	7,878	667	315	8,860
1908	875,679	38,980	12,738	66,892	13,964	2,189	32,757	757	168	33,682	5,191	618	220	6,029
1909	908,436	39,737	12,906	72,083	14,582	2,409	36,574	687	160	37,421	4,184	492	148	4,824
1910	945,010	40,424	13,066	76,267	15,074	2,557	35,168	639	123	35,930	4,239	370	120	4,729
1911	980,178	41,063	13,189	80,506	15,444	2,677	32,917	1,010	157	34,084	4,205	659	248	5,112
1912	1,013,095	42,073	13,346	84,711	16,103	2,925	36,231	1,342	158	37,731	5,020	633	243	5,896
1913	1,049,326	43,415	13,504	89,731	16,736	3,168	33,941	1,683	164	35,788	5,065	708	290	6,063
1914	1,083,267	45,098	13,668	94,796	17,444	3,458	39,945	1,715	190	41,850	6,817	719	338	7,874
1915	1,123,212	46,813	13,858	101,613	18,163	3,796	43,207	1,545	182	44,934	6,262	803	371	7,436
1916	1,166,419	48,358	14,040	107,875	18,966	4,167	43,970	1,759	198	45,927	6,791	864	432	8,087
1917	1,210,389	50,117	14,238	114,666	19,836	4,599	41,069	1,512	179	42,760	5,339	613	245	6,197
1918	1,251,458	51,629	14,417	120,005	20,443	4,844	38,569	1,207	165	39,941	4,061	654	197	4,912
1919	1,290,027	52,836	14,582	124,066	21,097	5,041								

First print registered Mar. 7, 1893.

[1] Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in *Higgins et al.* v. *Keuffel et al.* (55 O. G., 1139) with the registration No. 6,545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6,546.

Expenditures for photolithographic and photographic work since 1912–13.

Fiscal year.	Contractor.	Price per page.			Total
		Current issue.	Reproduction of exhausted copies, etc.	Photographic copies.	
1912–13	Columbia Planograph Co.	[1] $0.63 [2] .50			$140,00
	Sackett & Wilhelms Co.		[3] $0.52 [4] .60		
	F. W. Ernst			[5] $0.09 [6] .10	
1913–14	Columbia Planograph Co.	[1] .57 11/16 [7] .48			140,000
	Sackett & Wilhelms Co.		[4] .57 [8] .47		
	Leet Bros.			[5] .078 [6] .078	
1914–15	Norris Peters Co.	[1] .64 [2] .50			140,000
	A. J. Imgram		[3] .40 13/16 [4] .50		
	Commercial Photo. Co.			[5] .064 [6] .067	
	Leet Bros.				
	Webb & Bocorselski		[8] .42		
1915–16	Columbia Planograph Co.	[1] .61 42/100 [2] .49			140,000
	The Norris Peters Co.				
	A. J. Imgram		[3] .39 [4] .49		
	Commercial Photo. Co.			[5] .056 [6] .06	
	Webb & Bocorselski		[8] .40		
1916–17	Norris Peters Co.	[1] .76 [7] .60			140,00
	Sackett & Wilhelms Co.		[4] .57 [3] .42 7/8		
	F. W. Ernst		[8] .35	[6] .07 [5] .06	
	C. J. Ernst		[3] .41 7/8		
1917–18	Sackett & Wilhelms Corporation	[1] .77 [7] .67	[4] .59 [3] .45		140,000
	Webb & Bocorselski				
	Commercial Photo. Co.			[5] .054 [6] .059	
1918–19	Norris Peters Co.	[1] .75 [7] .66			[9]140,000
	Norris Peters Co. (July)		[3] .41½ [4] .55		
	Sackett & Wilhelms Co. (August-December, inclusive)		[3] .52 [4] .62		
	Commercial Photo. Co.			[5] .059 [6] .069	
	Rapid Process Co.		[8] .45		

[1] For 100 thin, 2 thick, and 1 bond copies of patents.
[2] For 50 thin, 2 thick, and 1 bond copies of trade-marks and designs.
[3] For 50 copies each, mechanical and design patents and trade-marks.
[4] For 100 copies each, mechanical and design patents and trade-marks.
[5] Size, 8 by 12½ inches.
[6] Size, 10 by 15 inches.
[7] For 50 thin, 2 thick, and 1 bond copies of designs.
[8] For 2 copies of drawings of foreign patents.
[9] Estimated.

Number of patents issued by the United States to December 31, 1918, and by foreign countries to December 31, 1917.

Countries.	To 1870, inclusive.	1871 to 1917.	Total.
Argentina [1]	83	13,779	13,862
Australia		19,321	19,321
Austria		92,723	92,723
Austria-Hungary	15,350	67,583	82,933
Bahamas [2]		2	2
Barbados		165	165
Belgium [1]	35,044	236,954	271,998
Bolivia [1]	42	65	107
Brazil [2]	185	9,823	10,008
British Guiana [1]	32	94	126
British Honduras	1	19	20
Canada	4,081	180,624	184,705
Ceylon [1]	58	829	887
Chile	266	3,141	3,407
Colombia [2]		1,168	1,168
Congo Free State [1]		294	294
Costa Rica [1]		74	74
Cuba		2,521	2,521
Denmark	464	29,854	30,318
Ecuador [1]		10	10
Fiji Islands [1]		47	47
Finland	112	6,174	6,286
France	103,934	411,864	515,798
Germany	9,996	310,184	320,180
Great Britain	53,408	469,327	522,735
Guatemala [1]		57	57
Hawaii [1]		148	148
Kongkong		291	291
Hungary [2]		65,973	65,973
India	445	14,108	14,553
Italy and Sardinia [2]	723	132,248	136,971
Jamaica	22	270	292
Japan		31,956	31,956
Leeward Islands		31	31
Liberia [1]		2	2
Luxemburg [2]		10,687	10,687
Malta [1]		106	106
Mauritius [1]	113	311	424
Mexico [2]	22	14,334	14,356
Netherlands	4,535	2,337	6,872
Newfoundland	40	538	578
New South Wales	236	11,740	11,976
New Zealand	109	18,426	18,535
Norway	737	29,314	30,051
Paraguay [1]		102	102
Peru [1]		160	160
Portugal	245	9,375	9,620
Queensland	67	6,368	6,435
Russia [1]	1,464	30,844	32,308
St. Helena [1]		4	4
South African Republics		1,262	1,262
South Australia	123	6,221	6,344
Spain		60,522	60,522
Straits Settlements		391	391
Sweden	1,629	45,090	46,719
Switzerland		76,954	76,954
Tasmania [1]	43	2,426	2,469
Trinidad	6	304	310
Tunis [1]		1,102	1,102
Turkey [1]		2,560	2,560
Union of South Africa		4,611	4,611
Uruguay [1]		455	455
Venezuela		329	329
Victoria	822	12,463	13,285
West Australia		3,524	3,524
Total foreign	238,437	2,454,583	2,693,020
United States	120,573	1,140,841	1,261,414
Total to 1870	359,010		
Total, 1871–1917		3,595,424	3,954,434
United States, 1918			38,569
Grand total, including 1918, United States			3,993,003

[1] 1916 and 1917 not included. No information. [2] Information for 1917 not included.

Applications for patents pending December 31, 1918.

Division.	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1904 to 1908.	Prior to 1904.	Total.
1	732	385	205	71	32	10	2	1	2				1,440
2	1,269	850	393	132	48	14	2	2					2,710
3	1,281	552	222	84	25	5	6	2					2,177
4	923	526	232	115	51	12	7	1	1				1,868
5	605	402	237	87	31	8	3	6					1,379
6	1,123	625	240	90	32	11	4						2,125
7	863	488	257	90	38	13	1				1		1,751
8	843	612	366	163	51	12	4	1					2,052
9	955	630	260	112	46	6	11		2				2,022
10	1,565	900	393	132	33	9							3,032
11	820	536	297	85	45	17	3	10					1,813
12	1,419	753	320	112	65	28	13	3	3	1			2,717
13	1,102	601	211	74	18	8	3	2		1	1		2,021
14	848	513	255	98	30	8		2	1		2		1,757
15	1,300	704	341	160	60	23	10	5	4	2	1		2,610
16	812	555	308	147	49	15	13	4	3	3	66	4	1,979
17	522	359	189	108	30	5	7	2	4				1,226
18	1,200	798	364	160	43	7	4				1		2,577
19	934	676	365	162	50	6	3	1		1	4		2,202
20	924	559	326	124	33	8	3	3	1				1,981
21	767	429	190	77	42	10	5	2	2		4	2	1,530
22	1,031	456	173	46	7	5	2	5	1	9	6		1,741
23	856	612	382	175	48	16	17	6		2	15	23	2,152
24	850	272	128	105	23	2	4	7	1	2			1,394
25	942	662	525	130	37	6	2			1	4		2,309
26	624	725	551	189	67	23	8	6	3	1	9		2,206
27	924	651	327	144	49	7	6		2				2,110
28	1,186	906	347	133	35	8	7		2	1			2,625
29	991	667	327	92	16	3							2,096
30	1,105	773	265	79	15	3	1	1	1	1	2	1	2,247
31	890	708	338	137	48	22	8	1		1	1		2,154
32	925	757	360	114	40	8	2		1				2,207
33	666	432	280	108	51	9	1	3	2		3		1,555
34	606	425	214	99	20	10	3	3			4		1,384
35	1,128	728	333	113	33	5	1	1					2,342
36	1,074	535	301	145	48	13	7	6	5	1			2,135
37	915	747	417	161	72	26	1	7	1		3		2,350
38	707	543	197	81	46	15	1	1					1,591
39	911	546	309	104	36	4		3	1		1		1,915
40	1,267	1,072	522	254	83	13	3	1	1				3,222
41	1,122	827	399	176	37	8	2	1	1	1	1		2,575
42	752	513	207	83	33	4	4	3	1		1		1,601
43	845	622	368	192	51	23	5	2			1		2,109
44	1,068	650	95	34	10	4			1		1		1,863
45	639	412	182	54	16		1						1,304
Total	42,831	27,694	13,518	5,331	1,779	472	190	104	47	28	132	30	92,156

Attention is invited to the following comparisons:

Number of applications pending fifteen years or longer:	
December 31, 1914	37
December 31, 1915	29
December 31, 1916	15
December 31, 1917	18
December 31, 1918 [1]	30
Number of applications pending ten years or longer:	
December 31, 1914	239
December 31, 1915	183
December 31, 1916	141
December 31, 1917	157
December 31, 1918	162
Number of applications pending eight years or longer:	
December 31, 1914	629
December 31, 1915	419
December 31, 1916	283
December 31, 1917	261
December 31, 1918	237
Number of applications pending five years or longer:	
December 31, 1914	3,621
December 31, 1915	2,646
December 31, 1916	1,614
December 31, 1917	1,149
December 31, 1918	1,003
Number of applications pending two years or longer:	
December 31, 1914	30,032
December 31, 1915	26,171
December 31, 1916	22,093
December 31, 1917	20,548
December 31, 1918	21,631
Total number pending not in issue or forfeited:	
December 31, 1914	109,846
December 31, 1915	102,632
December 31, 1916	97,463
December 31, 1917	98,558
December 31, 1918	92,156

OTHER DETAILS OF BUSINESS.

During the year a total of 59,615 applications for patents, reissues of patents, and designs and 151,903 amendments in pending applications were filed. This represents a decrease of 10,758 in the number of applications and a decrease of 13,630 in the number of amendments. There were filed without fees. under the act of March 3, 1883, 167 applications for patent, and under Rule 170 of the Rules of Practice 18 applications for designs and reissues, making a total of 185 applications without fees.

The fees received by mail and express amounted to $1,180,541.39, and the fees paid by hand to the Financial Clerk amounted to $736,093.84. The number of letters indexed and filed, constituting the general correspondence of the Office, was 232,187. In addition to this 18,262 letters of inquiry were returned with circulars of information answering the questions propounded. The number of parcels received by registered mail was 11,315, and the number of parcels by express was 2,379.

During the year 9,040 applications were forfeited by reason of failure to pay the final fee within the time prescribed by section 4885, Revised Statutes.

In the Drafting Division 887 drawings were made for inventors, who paid $2,950.92 therefor, and 5,777 drawings previously filed were corrected upon request by the inventors, for which the office received $5,278.52. One tracing was made, at a cost of $27.00. The total fees received for work by the Drafting Division were $8,256.44. In addition to this, 7,987 corrections in drawings were made without cost to the inventors.

In the Assignment Division 26,315 deeds, transferring the titles to patents, etc., and containing 11,994,250 words, averaging 455 words per deed, were recorded. For this work the Office received $40,875.34. In addition to this, the Assignment Division prepared 1,796 abstracts of title and 3,464 briefs, for which fees amounting to $2,342.05 were paid. The total earnings of the Assignment Division were $43,217.39.

Type-written copies of records aggregating 24,329,400 words and photostat copies aggregating 1,453,800 words were furnished, and other copies containing 2,444,600 words, made by outsiders, were compared and certified by the Office. For the whole of this work the Office received $28,227.80. For the certificates attached to certain of these copies the Office received $1,172.50, a total of $29,400.30. The Office supplied 1,474 certified printed copies of patents, 2,748 trade-marks, 30 copies of prints and labels, 28 copies of designs, etc., and received therefor $3,477.30.

Inventors and attorneys were furnished with 48,089 photographic copies of drawings, 8 by 12½, at fifteen cents each, and 4,210 photographic copies of drawings, 10 by 15, at twenty-five cents each; also, 53,643 photostat copies at fifteen cents each and 43,886 photostat copies at twenty-five cents each. The amounts received for these photographic and photostat copies were $8,265.85 and $19,017.95 respectively. The expenditures during the year for supplies for the photostat-machine were $12,248.02

Printed copies of specifications and drawings of patents to the number of 1,951,283 were sold at five cents each, bringing to this Office on this account $97,564.15. For 906,232 copies sold to libraries the Office received $1,100.00. The total received from the sale of copies of patents was $98,664.15. Copies to the number of 1,054,210 were shipped to foreign Governments, and 134,892 copies were drawn for Office use. The total number of printed copies of patents distributed during the year was 4,329,800

PHOTOSTAT COPIES.

Since October 1, 1918, the Office has been furnishing photostat copies of type-written records instead of type-written copies where the original matter is sufficiently distinct to make a good photostat copy. This practice has three advantages: (1) being a photographic copy, it is absolutely correct; (2) copies can be made very rapidly and furnished without delay, and (3) no comparison with the original has to be made. The main disadvantage is that frequently the photostat copy is not as distinct as the type-written copy.

Experience so far indicates that orders for copies of official records may be kept up to date instead of being from two weeks to a month behind, as under the former practice of supplying type-written copies exclusively.

CHANGE IN PRACTICE IN ANSWERING LETTERS.

Since last June the practice has been followed of having the Examiners prepare answers to letters written to the Office inquiring as to the status of applications. For many years it was the practice of the Chief Clerk to reply to these letters, basing his

[1] Increase explained by the fact that a number of cases were filed the past year which were divisions of a case filed in the year 1900.

answers upon reports made to him by the Examiners. The change has relieved the Chief Clerk's office of the burden of preparing a large volume of correspondence and considerable delay and extra work necessarily incident to the old procedure.

WITHHOLDING PATENTS ON INVENTIONS USEFUL TO ENEMY.

Under the provisions of the act of October 6, 1917, (Public No. 80,) authorizing the Commissioner of Patents to withhold the grant of a patent whenever the subject-matter of the invention in his opinion, if published or otherwise disclosed, might be detrimental to the public safety, convey useful information to or assist the enemy, there was established in May of 1917 the Primary Examiners' Advisory Committee, composed of Primary Examiners, (examining most of the inventions pertaining to war,) to determine what inventions, as disclosed by pending applications, should be maintained in secrecy or disclosure and publication prevented.

Up to the signing of the armistice this committee, acting on its own initiative or in coöperation with the Army and Navy Patent Board, had recommended and by my approval had applied orders preventing disclosure and publication in about 2,100 applications, of which 1,040 were either withdrawn or withheld from issue upon being found allowable and upward of a thousand (1,000) were still pending and being prosecuted to determine their patentability.

Since the signing of the armistice, rescinding orders have been applied to nearly all cases to which the original orders preventing disclosure, etc., were applied, releasing the applicants from maintaining secrecy.

The Primary Examiners' Advisory Committee and the Army and Navy Board, acting for and on behalf of the Federal Trade Commission (Pub. No. 91) and for the War and Navy Departments, have closely coöperated in the producing of the results desired and it is believed far more effectively than could have been done under the provisions of either Pub. No. 80 or Pub. No. 91 alone in that possible defects in the provisions of either have been overcome and supplemented by those of the other.

By mutual agreement with the Federal Trade Commission practically all orders for maintaining secrecy and for vacating such orders and the granting of permits for disclosures, etc., have been issued through the instrumentality of the Primary Examiners' Advisory Committee, and requests therefor have eventually been referred to this committee for consideration and action, and by such agreement and action it is believed the rights of the inventors have been well protected.

This committee has also examined and considered approximately two thousand ideas, suggestions, devices, etc., submitted by sketch or description, that it was believed might be of service to the cause of the allies or the United States Government. These were independent of applications for patents and were received from all quarters of the globe.

Wherever proposed plans or devices were found practical and of possible or probable value, the attention of that department of the Government most interested therein was directed thereto or the writers placed in correspondence therewith.

Of these suggestions some two hundred involved disclosure of sufficient merit and importance to be forwarded, and it is believed many of them were approved or adopted by some department or branch of the Government.

CLASSIFICATION OF PATENTS.

Some twenty years ago a Division of Classification was established in order to revise, according to a more comprehensive and systematic plan, the classification of the patents granted by this Government, so that searches for novelty of inventions could be more quickly and accurately made.

This work is extremely technical and involves most exhaustive research and much careful consideration. Owing to the fact that the same devices, processes, or machines often are adapted to be and actually are used in many different arts and for many different purposes a purely academic classification, as in biology, botany, or chemistry, is not possible. The number of patents now reaches a million and a third, and these patents relate to every conceivable art and subject and every conceivable branch of such known to mankind. There exists no precedent to aid in the stupendous task of satisfactorily classifying such an enormous number of complex, intimately interlaced, and comprehensive subjects-matter. Necessarily the work has proceeded very slowly.

One year ago about sixty per cent. of the old classes had been revised. As this, however, had taken nineteen years, the necessity of completing the revision of the remaining classes in a shorter period became apparent and led to the adoption of a different plan of procedure, which has since been in operation.

While previous to this change in procedure the revision was carried on by a group of Assistant Examiners under the supervision of an Examiner of Classification, by the present plan the work is done in the examining divisions. Each Principal Examiner, with the aid of his Assistant Examiners, is required to revise the classes of his own division, with the patents of which he is presumed to be familiar, the work of all the divisions being under the general supervision of the Examiner of Classification. This plan has resulted in greatly expediting the work, and but for lack of clerical force to mount the patents, compare the Examiners' and search-rooms' lists to detect and resupply missing copies, etc., classification of domestic patents could be completed in two more years. Notwithstanding the handicap of lack of clerical force, over one hundred and twenty-five thousand patents have been reclassified during the past year. There remain, roughly, half a million patents yet to be reclassified.

PATENT INTERFERENCES.

The practice established in 1914 of submitting all prospective interferences to a Law Examiner for review, as described in the last annual report, has been continued.

There were submitted for consideration by the Law Examiner 1,193 proposed interferences, of which 653, or 54.7 per cent, were approved as proposed; 257, or 21.5 per cent, were approved after modification, and 283, or 23.8 per cent, were disapproved. Patents were involved in 279 cases, and in 407 cases correspondence with the applicants was necessary to determine whether the interference should be declared.

MOTIONS TO DISSOLVE INTERFERENCES.

Under the provisions of Rule 122, 195 motions to dissolve interferences were heard in 1918. Of these, 69 were based on want of patentability, 121 on lack of right to make claims corresponding to the issue, and 5 on informality in the declaration. Of the 69 motions to dissolve for want of patentability, 38 were granted in whole, 10 in part, and 21 were denied. Of the 121 motions for lack of right to make claims corresponding to the issues, 45 were granted in whole, 10 in part, and 66 were denied. All motions based on informality were denied.

Under the provisions of Rule 109, 76 motions to amend were heard. Of these, 16 were granted in whole, 18 in part, and 42 were denied.

Under the provisions of Rule 128, 21 interferences were considered. Twenty of these were dissolved for want of patentability and one for want of right to make claims corresponding to the issue.

Miscellaneous motions, such as motions for rehearing, postponements, admissibility of affidavits and arguments, were decided to the number of 61, bringing the total number of motions before the Law Examiner charged with deciding motions in interference cases to 363.

REQUIREMENT OF DIVISION.

Action was given during the year upon 60,717 new applications for patents, requirements of division of the applications being made in 5,002 instances—one requirement in 12.14 cases, or 8.24 per cent. This does not differ materially from the figures of the preceding year, when one requirement was made in 12.23 cases, or 8.18 per cent.

Formal decision of the Law Examiner, as required by Rule 42, was given in 620 proposed final requirements of division, of which 327, or 52.7 per cent, were approved; 87, or 14 per cent, were approved in part, and 206, or 33.2 per cent, were disapproved. It is probable that the number of requirements of division can not be much reduced below the proportion of one to twelve or thirteen cases, due regard being had to the state of the art and the necessities of proper search and classification.

Further extension of the practice of reviewing with the Examiner requirements in doubtful cases before making them in the first instance is desirable to avoid the waste of time and delay of cases caused by requirements made but subsequently disapproved. This has been done as far as possible and as far as the time of the Law Examiner in charge of division permitted. The purpose steadily held in mind has been to make the practice uniform throughout the Office and to avoid annoyance to inventors by trivial requirements and danger to their real interests by requirements which might raise questions of double patenting. When distinct inventions are disclosed and claimed, capable of use apart from each other, the possibility of division arises and should always be enforced if the inventions relate to recognized branches of the art having different fields of search, as evidenced by the Office classification or otherwise.

APPEALS TO THE COURT.

The number of appeals taken from the decision of the Commissioner to the Court of Appeals of the District of Columbia during the year ending December 31, 1918, is as follows:

Ex parte patent cases	23
Inter partes patent cases	66
Ex parte trade-mark cases	11
Inter partes trade-mark cases	16
Total	116

Of the cases adjudicated during the year ending December 31, 1918, the Commissioner's decision was affirmed in 38 cases, affirmed in part in 1 case, reversed in 16 cases, and 14 cases were dismissed.

OTHER SUITS.

During the year two *ex parte* equity suits under section 4915, Revised Statutes, were decided in favor of the Commissioner of Patents, and two are still pending—one in the District Court in the Western District of Texas and one in the Supreme Court of the District of Columbia. One *ex parte* trade-mark case on writ of certiorari to the Court of Appeals of the District of Columbia is now pending in the Supreme Court of the United States, and three petitions for writs of mandamus against the Commissioner of Patents were denied by the Supreme Court of the District of Columbia.

SCIENTIFIC LIBRARY.

During the year 1918 the work of arranging in classified order the patents of all foreign countries from which *three* copies have been received was continued, and a total of 1,360 volumes, comprising more than two hundred thousand patents, were prepared and sent to the bindery.

The work of binding these volumes is practically over, and with their return the Scientific Library will have complete files of the published patents of Austria, Denmark, France, Norway, Sweden, and Switzerland, bound in classified order and available to searchers.

The third copy of the first 66,500 German patents was never received; but as the classified set, Nos. 66,501 to 288,000, now bound and available for search purposes, has proved to be of inestimable value in patent research it is hoped that after peace is established the third copy of the earlier

patents, now lacking, may be secured for classifying and binding.

For searching British patents the classified abridgments to the beginning of 1915 are now in use. In order to bring the British classified files to date the third copies of British patents for 1915, 1916, 1917, and a part of 1918, have been arranged by classes in file-boxes, and it is contemplated that the remaining earlier third copies now on hand be classified and filed in like manner for the more satisfactory use of searchers who prefer examining full patents rather than their abridgments.

To complete the binding of the classified patents, which were proving to be of such great value in research work, preference was given to this branch over all others, thereby lessening the amount of regular binding in the miscellaneous branches because of lack of funds. However, 200 volumes of foreign patents, (originals,) 300 volumes of periodicals, and 200 volumes of "rebinds" were sent to the bindery during the year. The accumulation of this matter, held back for reasons above explained, may be cared for gradually, together with the usual current binding, with a fair apportionment to the library from the annual appropriation for printing and binding.

Considerable progress has been made in revising the classification of books on applied science and in transferring the old book-catalogue records to the corresponding cards among those now regularly received as a deposit from the Library of Congress. This arrangement will eventually provide one complete catalogue for consultation in place of the three separate catalogues now in use. It is estimated that about seventy-five per cent of this work has been done, and its completion within the present year may be expected. With these revisions all reference matter will be more accessible and the consequent efficiency of the Scientific Library greatly increased.

This efficiency would be still further improved by a substantial increase of the Scientific Library appropriation for the purchase of scientific and technical books in the arts so rapidly developing and which require constant additions in order to maintain the high standard of efficiency necessary in patent research.

At the close of the year 1918 the official translator of the Patent Office completed the work of translating the alphabetical index to the German patent office classification. A copy of this translation has already been forwarded to the Printing Office. When in print, it will be of great service in enabling searchers to readily determine the German classification of the art in which they are interested.

PERSONNEL OF EXAMINING CORPS.

In my report for the year 1917 comment was made on the unusual number of changes in the personnel of the examining corps. The past year has been marked by a still greater number of changes. The existing war has, of course, been responsible for the majority of the separations from the corps. Two former Assistant Examiners were killed in France while in the service.

Resignations from the various grades have been as follows:

Principal Examiners	2
First Assistant Examiners	7
Second Assistant Examiners	21
Third Assistant Examiners	38
Fourth Assistant Examiners, (permanently appointed)	7
Fourth Assistant Examiners, (temporarily appointed)	38
Total	113

Of the above the following have resigned to enter the military or naval service:

First Assistant Examiners	2
Second Assistant Examiners	11
Third Assistant Examiners	29
Fourth Assistant Examiners, (permanently appointed)	6
Fourth Assistant Examiners. (temporarily appointed)	16
Total	64

It has been impossible to keep the ranks full. Six examinations have been held this year by the Civil Service Commission for entrance to the corps, and certifications from four of these have resulted in the appointment of thirty-six men and two women. It has been necessary to make temporary appointments of persons apparently qualified to do the work, with the understanding that these appointees would take the regular entrance examination at the earliest opportunity. It is interesting to note that sixteen of those appointed after certification by the Civil Service Commission were first given temporary appointments.

The total number of temporary appointments made during the year has been seventy-two, and the number of Fourth Assistant Examiners holding temporary appointments on December 31, 1918, was forty-three.

Since the demobilizing of troops began, twenty men have returned to the corps and have been restored to their former grades. It is not expected that all men who entered the service will wish to return to the Patent Office; but those who do will find their former positions waiting for them.

CLERKS.

The great percentage of the clerical employees in the Patent Office are grouped in grades paying $900, $1,000, and $1,200 per annum, respectively. There are only forty-four places above $1,200 to which a clerk can aspire. This condition in an Office having over five hundred clerks renders promotions to grades above $1,200 very slow. A comparison of the salaries paid the clerks in the Patent Office with those paid clerks doing similar work in other bureaus of the Government will show that the percentage of clerks employed receiving more than $1,200 per annum is less in the Patent Office than in almost any other bureau in any department. This situation is responsible for a great deal of dissatisfaction and results in a large number of transfers and resignations. The separations from the clerical force alone during the last year numbered 294. This out of a force of 500 has seriously

embarrassed the Office in doing its clerical work properly.

MISLEADING ADVERTISEMENTS.

On July 31, 1918, with the approval of the Secretary of the Interior, there was added the following amendment to Patent Office Rule 17, relating to attorneys:

(*h*) Every attorney registered to practice before the United States Patent Office shall submit to the Commissioner of Patents for approval copies of all proposed advertising matter, circulars, letters, cards, etc., intended to solicit patent business, and if it be not disapproved by him and the attorney so notified within ten days after submission, it may be considered approved.

Any registered attorney sending out or using any such matter, a copy of which has not been submitted to the Commissioner of Patents in accordance with this rule, or which has been disapproved by the Commissioner of Patents, shall be subject to suspension or disbarment.

The main object of the rule has been to prevent misleading advertisements, the most common form of which were those stating only a part of the truth. Others unduly exaggerated part of the truth. Both forms were ingeniously framed to induce inexperienced inventors to apply for domestic patents, and even to spend large amounts for foreign patents, when their inventions were of a trivial character, if, indeed, there were any inventions at all.

In administering the rule there was stated, first, what might be set forth in advertisements; second, what should not be included, as follows:

(1) Advertising-matter may contain clear, correct, and explicit statements of the law, instructions relating to obtaining patents or registration of trade-marks, the name and address of the attorney, and the information that he prosecutes applications for patents and trade-marks.

(2) It shall be regarded as gross misconduct to advise applying for foreign patents under circumstances clearly indicating the purpose to secure fees from a client without consideration of his best interest or without fully advising him of the incidents of foreign patents, such as recurrent taxes, working, etc., and of the advantage of awaiting a favorable determination of the prosecution of an application for the invention in the United States Patent Office unless business reasons of the client require a different course; to stimulate the uninformed to apply for patents by enumerating a list of supposed inventions demanded by the public, or by citing instances of great profits made by inventors to offer services for nothing for the purpose of securing a client; to induce, by advertising, the filing of applications for patents by offering to publish the patent without specifying the medium of publication or to sell the same without reservation when obtained, or in any way to create a false or misleading impression in the mind of the reader.

Practically all the attorneys have approved the rule and are coöperating in the enforcement of it; but it may be necessary to institute disbarment proceedings in a few instances.

REGISTRATION OF TRADE-MARKS UNDER THE BUENOS AIRES CONVENTION.

The Buenos Aires Convention of 1910 divided American republics into a northern and southern group and provided, in effect, that when a two-thirds majority of the countries in the northern group ratified the Convention an International Registration Bureau should be established at Habana, Cuba, and for fifty dollars any trade-mark that had been registered in the country of origin might be registered in this bureau, having the effect of registration in the other republics. A sufficient number of the republics having ratified the Convention, the Government at Cuba has established a Registration Bureau at Habana, in charge of Dr. Mario Diaz Irizar.

The rules and regulations governing the proceedings for registration in the Habana bureau were published in the Patent Office OFFICIAL GAZETTE, (vol. 258, p. 644,) and while it will require legislation to permit registration in this country of all marks registered in Habana no reason is seen why United States applicants may not take advantage at present of the facilities afforded them for registration in the South and Central American republics, and any application duly filed in accordance with the rules will be forwarded to the bureau forthwith.

Since registration in the South and Central American republics gives validity to the mark, the importance of registration there may readily be seen. The Department of Commerce is urging all exporters and those who contemplate engaging in trade with those republics to be careful to register their marks before unscrupulous persons in those countries anticipate them in registration and cause unnecessary trouble and expense.

LEGISLATION.

Bills have been introduced in both houses of Congress and are still pending covering the following points:

First. Authorizing the Federal Trade Commission to accept and administer for the benefit of the public patents the proceeds from which may be used as a fund to encourage scientific research, etc.

Second. An act amending chapter 143 of the act of March 3, 1883, providing for granting to persons without payment of fees patents for inventions that are useful in the public service when the applicants will stipulate that the inventions may be used without payment of royalty by the Government or any one contracting with the Government of the United States.

Third. To allow inventors to prove the date of their inventions in a foreign country and to get the benefit of the same in interference proceedings.

Fourth. An act to extend temporarily the time for filing an application by a citizen of an ally country that grants similar privileges to our citizens from twelve to twenty-one months after the application for the same invention has been filed in a foreign country.

Fifth. An act to give effect to the provisions of the Buenos Aires Convention of August 10, 1910, for the registration of trade-marks, the trade-mark bureau in Habana having been established under the provisions of that Convention.

These bills have all been favorably reported and several have passed one or the other house of Congress.

Respectfully submitted.

J. T. NEWTON,
Commissioner of Patents.

ALPHABETICAL LIST

OF

PATENTEES FOR THE YEAR 1918.

[Patentees of Designs, Trade-Marks, Labels, and Prints, and parties who have filed Disclaimers follow this in separate indexes, but precede the Alphabetical List of Inventions.]

A. Kimball Company. (See Anthony, Marcus O., assignor.)
A. Kimball Company. (See Anthony and Wallin, assignors.)
A. Kimball Company. (See Connolly, Patrick J., assignor.)
A. Kimball Company. (See Thompson, Arthur G., assignor.)
A. Mecky Company. (See Gerson, Nikolaus, assignor.)
A. Mecky Company. (See Ledig, Richard G. and R. C., assignors.)
A. Schrader's Son (See Bowden, Junius A., assignor.)
A. Schrader's Son. (See Burke, Wilbur B., assignor.)
A. Schrader's Son. (See Gilling, Preston E., assignor.)
A. Schrader's Son. (See Myers, Eugene V., assignor.)
A. Schrader's Son. (See Patton, Moses F., assignor.)
A. Schrader's Son. (See Shaffer, Cleve T., assignor.) (Reissue.)
A. Schrader's Son. (See Tisne, Marcel H., assignor.)
A. Stein & Company. (See Kotzich, Frank J., assignor.
A. Stein & Company. (See Kuehn, Charles P., assignor.)
A. Stein & Company. (See Nordseth, Halfdan J., assignor.)
A. A. Simonds Sons Company, The. (See Allison, Albert J., assignor.)
A-B Stover Company. (See Weidlich, George A., assignor.)
A. B. C. Starter Company. (See Churchward, Alexander, assignor.)
A. C. Gilbert Company, The. (See Bailey and Nanfeldt, assignors.)
A. C. Gilbert Company, The. (See Euwer, James E., assignor.)
A. C. Gilbert Company, The. (See Gilbert, Alfred C., assignor.)
A. C. Lawrence Leather Company. (See Merrill, Edward H., assignor.)
A. C. Penn. Inc. (See Greenbrier, Harry W., assignor.)
A. C. Penn. Inc. (See Kunz and Goertz, assignors.)
A. C. K. Belting Co. (See Arbetter, Samuel, assignor.)
A. E. Little Company. (See Little, Alexander E., assignor.)
A. F. Meyer Mfg. Co. (See Hauter, William B., assignor.)
A. F. Weymer Co., The, *et al.* (See Weymer, August F., assignor.)
A. G. Brown Boveri & Cie. (See Aichele, Albert, assignor.)
A. G. Spalding & Bros. (See Pierce, George L., assignor.)
A. G. Spalding & Bros. (See Pierce and Djerf, assignors.)
A. G. Spalding & Bros. (See Reach, Milton B., assignor.)
A. G. Spalding & Bros. (See Saunders, Addison T., assignor.)
A. H. Heisey & Co. (See Sanford, Andrew J., assignor.)
A. J. Lindemann & Hoverson Company. (See Brennan and Lindemann, assignors.)
A. J. Meyer Motor Car Company. (See Meyer, August J., assignor.)
A. K. S. Manufacturing Company. (See Buchanan and Porter, assignors.)
A. M. Bollerman, Inc. (See Kuss, Rudolf, assignor.)
A. M. Byers Company. (See Aston, James, assignor.)
A. M. Byers Company. (See Aston, James, assignor.) (Reissue.)
A. O. Norton, Inc. (See Gormley, Frank L., assignor.)
A. O. Smith Company. (See Rowell, Arthur F., assignor.)
A. O. Smith Company (See Smith, Reuben S., assignor.)
A. O. Smith Corporation. (See Smith, Reuben S., assignor.)
A. R. Mosler & Co. (See Mosler, Arthur R., assignor.)
A. S. Kratz Company, The. (See Beckwith, William E., assignor.)
A/S. Myrens Verksted. (See Elling, Jens W. A., assignor.)
A/S. Thunes mekaniske Verksted. (See Olsen, Hans A., assignor.)
A/S Vestlandske Bliktrykkeri Og Mekaniske Verksted. (See Jenssen, Andreas, assignor.)
A. T. Ferrell & Co. (See Giles, William, assignor.)
A. T. S. D. Manufacturing Company. (See Allen, Claude N., assignor.)
A. V. M. Spring Wheel Company, The. (See Hancock, Winfield S., assignor.)
A. W. Benson Manufacturing Company. (See Long, Sidney L., assignor.)
A. W. Cash Company. (See Cash, Arthur W., assignor.)
A. W. Wheaton Brass Works. (See Wheaton, Abram W., assignor.)
Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switching apparatus. No. 1,253,659; Jan. 15; v. 246; p. 708.
Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Trolley. No. 1,253,661; Jan. 15; v. 246; p. 708.
Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ignition mechanism. No. 1,277,348; Sept. 3; v. 254; p. 3.
Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Pantograph-trolley. No. 1,278,815; Sept. 17; v. 254; p. 457.
Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,281,743; Oct. 15; v. 255; p. 503.
Aalborg, Christian, and A. H. Bakken, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Switching apparatus. No. 1,253,660; Jan. 15; v. 246; p. 708.
Aaron, Solomon E., Boston, Mass. Lineman's tool. No. 1,257,948; Feb. 26; v. 247; p. 940.
Aaron, Solomon E., Boston, Mass. Pliers. No. 1,273,713; July 23; v. 252; p. 907.
Aasen, Niels W., Christiania, Norway. Hand-grenade with time-fuse and automatic release. No. 1,275,190; Aug. 13; v. 253; p. 265.
Abady, Jacques. (See Simmance and Abady.)
Abarca, Enrique, San Juan, Porto Rico. Apparatus for grooving sugar-cane-crushing rollers. No. 1,270,681; June 25; v. 251; p. 799.
Abbe, George C., Lansdowne, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Car-body. No. 1,259,192; Mar. 12; v. 248; p. 399.
Abbe, George C., Lansdowne, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Electric locomotive. No. 1,269,896; June 18; v. 251; p. 561.
Abbey, Nelson D., assignor to The Etna Machine Company. Toledo, Ohio. Welder. No. 1,282,163; Oct. 22; v. 255; p. 658.
Abbey, Simeon A. (See Buxton and Abbey.)
Abbott, Adrian O., Jr. (See Neal and Abbott.)
Abbott, Adrian O., Jr., assignor of one-half to W. B. Norton, Detroit, Mich. Tire-building machine. No. 1,255,073; Jan. 29; v. 246; p. 1103.
Abbott, Adrian O., Jr., assignor of one-half to W. B. Norton, Detroit, Mich. Tire. No. 1,271,985; July 9; v. 252; p. 379.
Abbott, Augustus, Denver, Colo. Coin-controlled vending-machine. No. 1,273,116; July 23; v. 252; p. 749.
Abbott, Charles C. (See Eddy and Abbott.)
Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heating unit and making the same. No. 1,281,744; Oct. 15; v. 255; p. 504.
Abbott, Charlie T., Woodstock, Ill. Agricultural machine. No. 1,256,632; Feb. 19; v. 247; p. 521.
Abbott, Chauncey W., assignor to American Conduit Manufacturing Company, Pittsburgh, Pa. Metal conduit for electric wires. No. 1,252,314; Jan. 1; v. 246; p. 252.
Abbott, Frank T., Newton Falls, N. Y. Quick-shifting awning-frame. No. 1,267,036; May 21; v. 250; p. 658.
Abbott, Harry R. (See Puckett and Abbott.)
Abbott, James A., Leavenworth, Wash. Artificial tree. No. 1,266,749; May 21; v. 250; p. 579.
Abbott, John R., Council Bluffs, Iowa. Drill. No. 1,278,084; Sept. 10; v. 254; p. 231.
Abbott, Jonathan P., Painesville, Ohio. Eaves-trough hanger. No. 1,277,349; Sept. 3; v. 254; p. 4.
Abbott Laboratories, The. (See Adams and Kamm, assignors.)

Alphabetical list of patentees—Continued.

Abbott Laboratories, The. (See Burdick and Nielsen, assignors.)
Abbott, Robert R., assignor to The Case Hardening Service Company, Cleveland, Ohio. Carbonizing material for steel articles. No. 1,265,158; May 7; v. 250; p. 79.
Abbott, William G., Jr., Wilton, N. H. Apparatus for cleaning the interior of tubular members. No. 1,252,072; Jan. 1; v. 246; p. 185.
Abbott, William G., Jr., Wilton, N. H. Evaporator. No. 1,265,863; May 14; v. 250; p. 302.
Abbott, William G., Jr., Wilton, N. H., assignor to Atlantic Terra Cotta Company, New York, N. Y. Cutting-machine. No. 1,252,531; Jan. 8; v. 246; p. 349.
Abbott, William G., Jr., Wilton, N. H., assignor to Atlantic Terra Cotta Company, New York, N. Y. Rotary cutting-tool. No. 1,286,194; Dec. 3; v. 257; p. 3.
Abbott, William G., Jr., Wilton, assignor to J. Spaulding & Sons Co., Rochester, N. H. Waterproof fiber sheet and insole made therefrom. No. 1,263,186; Apr. 16; v. 249; p. 679.
Abbott, William G., Jr., Wilton, assignor to J. Spaulding & Sons Co., Rochester, N. H. Insole. No. 1,263,187; Apr. 16; v. 249; p. 679.
Abel, Henry B., Valley Stream, N. Y. Shopper's catalogue. No. 1,254,560; Jan. 22; v. 246; p. 985.
Abel, John F., Burlington, Iowa. Attachment for carbureters. No. 1,269,146; June 11; v. 251; p. 321.
Abell, Rollin, Boston, Mass. Odometer. No. 1,265,023; May 7; v. 250; p. 43.
Abell, Rollin, Milton, Mass., assignor to J. B. Carburetor Corporation, Los Angeles, Cal. Carbureter. No. 1,265,024; May 7; v. 250; p. 43.
Abend, Louis, assignor to The Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Circuit-breaker. No. 1,279,631; Sept. 24; v. 254; p. 702.
Abercrombie, Charles M., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,268,809; June 11; v. 251; p. 229.
Abercrombie, Charles M., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Hemstitch sewing-machine. No. 1,271,256; July 2; v. 252; p. 142.
Abernathy, Carl, Atlanta, Ga. Toy swing. No. 1,277,814; Sept. 3; v. 254; p. 134.
Abernathy, John P., St. Louis, Mo. Means for operating railway-switches. No. 1,255,569; Feb. 5; v. 247; p. 132.
Abler, John E., Guelph, Ontario, Canada. Making hollow rubber toys. No. 1,255,496; Feb. 5; v. 247; p. 110.
Abney, James W., Many, La. Automatic railway-crossing signal. No. 1,276,155; Aug. 20; v. 253; p. 563.
Abraham, Herbert, New York, N. Y. Plastic cement and making same. No. 1,253,454; Jan. 15; v. 246; p. 651.
Abraham, Isaac B., Newport News, Va. Wedge-supporting block for axle-boxes. No. 1,254,383; Jan. 22; v. 246; p. 934.
Abrahams, Edgar E., Dorchester, Mass. Folding displaying-easel. No. 1,272,349; July 16; v. 252; p. 509.
Abrahamson, Nils S., Los Angeles, Cal. Wave-power. No. 1,267,733; May 28; v. 250; p. 878.
Abram Cox Stove Company. (See Casserly, Thomas D., assignor.)
Abram Cox Stove Company. (See Mott, Abram C., Jr., assignor.)
Abramovitz, Morris, Baltimore, Md., assignor to D. B. Levy, New York, N. Y. Syringe. No. 1,267,616; May 28; v. 250; p. 847.
Abramowitz, Joseph, North Venice, Ill. Boot, shoe, or the like. No. 1,272,172; July 9; v. 252; p. 432.
Abrams, Peter. (See Butler, Smedley D., assignor.)
Abramson, Alfred C., Rockford, Ill. Lamp. No. 1,253,765; Jan. 15; v. 246; p. 738.
Abramson, Alfred C., Rockford, Ill. Piano-bench. No. 1,258,640; Mar. 12; v. 248; p. 241.
Abresch, Eugen. Neustadt-on-the-Hardt, Germany. Device for removing injurious insects. No. 1,280,359; Oct. 1; v. 255; p. 69.
Abt, Robert C., Chicago, Ill. Nutcracker. No. 1,289,351; Dec. 31; v. 257; p. 896.
Accessories Manufacturing Company. (See Bramming, Carl, assignor.)
Ach, Lorenz, and H. Dieterich, Mannheim, assignors to Farbwerke vorm. Meister Lucius & Bruening, Höchst-on-the-Main, Germany. Preparing derivatives of bis-methylaminotetraminoarsenobenzene which are soluble in water. No. 1,265,865; May 14; v. 250; p. 303.
Ach, Lorenz, Mannheim, A. Rothmann, Heidelberg, and G. Giemsa, Hamburg, assignors to Farbwerke vorm. Meister Lucius & Bruening, Höchst-on-the-Main, Germany. Preparing stable solutions of di-methylamino-tetramino-arsenobenzene. No. 1,265,864; May 14; v. 250; p. 303.
Achert, William K., assignor to The United States Printing and Lithograph Company, Cincinnati, Ohio. Display-support. No. 1,252,073; Jan. 1; v. 246; p. 186.
Acheson Corporation. (See Acheson, Edward G., assignor.)
Acheson, Edward G., assignor to Acheson Corporation, New York, N. Y. Deflocculating solid materials and agents therefor. No. 1,253,556; Jan. 15; v. 246; p. 678.
Achilles Rubber and Tire Company. (See Von Vargyas, Eugene, assignor.)
Achor, Maurice J., Marion, Ind. Rotary snow-plow. No. 1,279,212; Sept. 17; v. 254; p. 562.
Achterkirch, William C., Ogilvie, Minn. Bulletin or notice board. No. 1,252,640; Jan. 8; v. 246; p. 381.
Achtmeyer, William, assignor to The Russell Mfg. Co., Middletown, Conn. Weaving garter-pads. No. 1,267,954; May 28; v. 250; p. 942.
Acker, Allen J., Ogdensburg, N. Y. Package attachment for loosening packed material. No. 1,263,306; Apr. 16; v. 249; p. 710.
Ackerman, Charles N., Chicago, Ill. Expansion-bolt. No. 1,265,866; May 14; v. 250; p. 303.
Ackerman, Emil. (See Truitt and Ackerman.)
Ackerman, Fremont, Los Angeles, Cal. Automobile signal-sign. No. 1,260,949; Mar. 26; v. 248; p. 966.
Ackerman, Nicholas F., Duluth, Minn. Means for repairing furnaces. No. 1,270,749; June 25; v. 251; p. 816.
Ackerman, Paul. (See Clark, Ackerman, and Cansfield.)
Ackerman, William. (See Nicholas and Ackerman.)
Ackley & Co., G. S. (See Ackley, Griffin S., assignor.)
Ackley, Griffin S., Brooklyn, assignor to G. S. Ackley & Co., New York, N. Y. Brake mechanism. No. 1,270,762; July 2; v. 252; p. 3.
Acme Appliance Company. (See Skau, Meinich, assignor.)
Acme Card System Co. (See MacDonagh, Frank L., assignor.)
Acme Die-Casting Corporation. (See Bungay, George W., assignor.)
Acme Motion Picture Projector Company. (See Larsen and Holmes, assignors.)
Acme Motion Picture Projector Company. (See Larsen, Holmes, and Larsen, assignors.)
Acme Shear Company, The. (See Conway, John J., assignor.)
Acme Steel Goods Company. (See Fork, William C., assignor.)
Acme Steel Goods Company. (See Norton, Ralph H., assignor.)
Acme Universal Joint Mfg. Co. (See Rhodes, Bert O., assignor.)
Actien Gesellschaft für Anilin Fabrikation. (See Grünhagen, Heinrich, assignor.)
Acton, Albert P., Elgin, Ill. Center-punch. No. 1,259,335; Mar. 12; v. 248; p. 439.
Acuin, Amando P., Oakland, Cal. Window-jack. No. 1,272,173; July 9; v. 252; p. 432.
Acushnet Process Company of New York. (See Young, Philip E., assignor.)
Adair, Adolphus G., Seattle, Wash. Train-signal system. No. 1,263,990; Apr. 23; v. 249; p. 920.
Adair, Charles T., Tucumcari, N. Mex. Refrigerator. No. 1,275,191; Aug. 13; v. 253; p. 265.
Adair, Claude D., Shellrock, Iowa. Harrow. No. 1,273,801; July 30; v. 252; p. 969.
Adair, Montague, Brooklyn, N. Y. Phonograph-stop. No. 1,261,990; Apr. 9; v. 249; p. 313.
Adam, Fredrick B., assignor to Frank Adam Electric Company, St. Louis, Mo. Floor-box. No. 1,254,641; Jan. 22; v. 246; p. 1008.
Adam, George H., Cincinnati, Ohio. Saw-guard. No. 1,282,165; Oct. 22; v. 255; p. 659.
Adam, George J., deceased; R. S. Adam, administrator, Chicago, Ill. Antiskidding tread device for yielding tires. No. 1,262,574; Apr. 9; v. 249; p. 476.
Adam Hilger, Limited. (See Twyman and Green, assignors.)
Adam, R. Stuart, administrator. (See Adam, George J.)
Adamek, Antone J., Orient, S. D. Belt-tightener. No. 1,272,350; July 16; v. 252; p. 509.
Adams, Albert L., Cedar Rapids, Iowa. Metallic tube. No. 1,255,841; Feb. 12; v. 247; p. 251.
Adams, Andrew, Kahuku, Hawaii. Extracting sucrose from sugar-cane. No. 1,265,582; May 7; v. 250; p. 193.
Adams, Archibald A., South Brewer, assignor to Eastern Manufacturing Company, Bangor, Me. Regulating device for beater-rolls. No. 1,277,350; Sept. 3; v. 254; p. 4.
Adams, Arthur A. (See Emery and Adams.)
Adams, Arthur H., Sparkill, assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit-changing switch. No. 1,266,190; May 14; v. 250; p. 395.
Adams, Arthur H., Sparkill, N. Y., and L. Polinkowsky, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic circuit-changing switch. No. 1,254,642; Jan. 29; v. 246; p. 1037.
Adams, Arthur J., Bay City, Mich., assignor, by mesne assignments, to Ferris-Stevenson Corporation, Buffalo, N. Y. Perambulator or baby-carriage. No. 1,271,986; July 9; v. 252; p. 379.
Adams, Arthur J., Bay City, Mich., assignor, by mesne assignments, to Ferris-Stevenson Corporation, Buffalo, N. Y. Baby-carriage or perambulator. No. 1,271,987; July 9; v. 252; p. 380.
Adams, Arthur J., Bay City, Mich., assignor, by mesne assignments, to Ferris-Stevenson Corporation, Buffalo, N. Y. Perambulator. No. 1,272,881; July 16; v. 252; p. 660.
Adams, Beryl W., Troy, Mont. Signal-bell. No. 1,284,957; Nov. 19; v. 256; p. 459.
Adams, Charles, Union Hill, N. J. Fusible link. No. 1,283,612; Nov. 5; v. 256; p. 45.

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Adams, Charles, Union Hill, N. J., assignor of one-half to S. F. Weston, New York, N. Y. Fire-extinguishing apparatus. No. 1,259,468; Mar. 19; v. 248; p. 509.
Adams, Charles D., Jacksonville, Fla. Stock-car. No. 1,266,375; May 14; v. 250; p. 443.
Adams, Charles D., Jacksonville, Fla. Stock-car door and gangway. No. 1,276,305; Aug. 20; v. 253; p. 604.
Adams, Charles W., assignor to The United States Graphite Company, Saginaw, Mich. Electric conductor. No. 1,274,493; Aug. 6; v. 253; p. 44.
Adams Coal Machinery Company, The. (See Adams, Henry, assignor.)
Adams, Dolphus S., Bishop, Ga. Lock device. No. 1,284,029; Nov. 5; v. 256; p. 155.
Adams, Edgar W., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Calling device. No. 1,284,206; Nov. 12; v. 156; p. 231.
Adams, Edward M., assignor to M. H. Petigor, New York, N. Y. Valve for soda-fountains. No. 1,274,362; Aug. 6; v. 253; p. 3.
Adams, Edward M., assignor to M. H. Petigor, New York, N. Y. Jar-cover and ladle. No. 1,278,550; Sept. 10; v. 254; p. 354.
Adams, Edwin G., McMinnville, Oreg. Tractor. No. 1,282,667; Oct. 22; v. 255; p. 795.
Adams & Elting Company. (See Adams, William P., assignor.)
Adams & Elting Company. (See Lewis, Charles A., assignor.)
Adams, Frank H., Cleveland, Ohio. Repeating and stopping attachment for disk phonographs. No. 1,275,823; Aug. 13; v. 253; p. 439.
Adams, George E., assignor of one-third to D. Alexander and one-third to H. O. Williams, Salt Lake City, Utah. Phonograph-disk-record holder and ejector. No. 1,270,584; June 25; v. 251; p. 773.
Adams, George W. (See Hoefle and Adams.)
Adams, Guy C., Launceston, Tasmania, Australia. Coin-controlled machine. No. 1,257,062; Feb. 19; v. 247; p. 647.
Adams, Harold F., Flushing, N. Y. Honing device. No. 1,283,613; Nov. 5; v. 256; p. 46.
Adams, Harry, U. S. Navy. Phonograph. No. 1,274,361; Aug. 6; v. 253; p. 3.
Adams, Harry E., Pensacola, Fla. Buckle. No. 1,253,455; Jan. 15; v. 246; p. 651.
Adams, Henry, assignor to The Adams Coal Machinery Company, New London, Conn. Coal-storage apparatus. No. 1,259,583; Mar. 19; v. 248; p. 541.
Adams, Ira O., Durant, Iowa. Tension-indicating device for sewing-machines. No. 1,289,066; Dec. 31; v. 257; p. 825.
Adams, James D., North Belle Vernon, Pa. Annealing-furnace. No. 1,266,750; May 21; v. 250; p. 579.
Adams, James D., assignor to The Wabash Cabinet Co., Wabash, Ind. Knockdown phonograph-cabinet. No. 1,285,572; Nov. 26; v. 256; p. 655.
Adams, James H., Kensington, Md. Bed for playing-tables. No. 1,259,951; Mar. 19; v. 248; p. 649.
Adams, James P. N., Grand Rapids, Mich. Carpet-sweeper brush. No. 1,267,304; May 21; v. 250; p. 731.
Adams, James S., and M. Day, Belton, S. C. Picker-check for looms. No. 1,265,985; May 14; v. 250; p. 337.
Adams, James W., and O. H. Egge, Spreckels, Cal. Process and apparatus for mixing dry lime with liquids. No. 1,269,994; June 18; v. 251; p. 586.
Adams, John A., Nogales, Ariz., assignor to Universal Air Brake Company. Combined automatic and straight air valve mechanism. No. 1,262,900; Apr. 16; v. 249; p. 596.
Adams, John H., Seattle, Wash. Paper-ruling machine. No. 1,260,999; Apr. 2; v. 249; p. 3.
Adams, Josiah L., Rock Island, Ill. Lug-fastener for traction-wheels. No. 1,280,360; Oct. 1; v. 255; p. 69.
Adams, Leon G., St. Louis, Mo. Driving mechanism. No. 1,265,583; May 7; v. 250; p. 193.
Adams, Leonard P., Charlevoix, Mich. Lowering apparatus. No. 1,279,632; Sept. 24; v. 254; p. 702.
Adams, Lewis E. (See Clutter, Joseph F., assignor.)
Adams, Louis E., Raven, Alberta, Canada. Cuspidor. No. 1,254,561; Jan. 22; v. 246; p. 985.
Adams, Lucius G., *et al.* (See Jones, Edward S., assignor.)
Adams, Merion. (See Peckham, Samuel C., assignor.)
Adams, Porter H., Brookline, and F. Meyer, Canton, Mass. Alarm-bell. No. 1,253,662; Jan. 15; v. 246; p. 709.
Adams-Randall, Charles, assignor to Electrical Inventions Company, Boston, Mass. Telegraph receiving instrument. No. 1,254,432; Jan. 22; v. 246; p. 948.
Adams, Reed, Lapeer, Mich. Attachment for printing-presses. No. 1,275,824; Aug. 13; v. 253; p. 440.
Adams, Richard H., Cobalt, Ontario, Canada. Percussive rock-drilling apparatus. No. 1,269,147; June 11; v. 251; p. 231.
Adams, Roger, and O. Kamm, Urbana, assignors to The Abbott Laboratories, Chicago, Ill. β-Bromoethyl p-nitrobenzoate. No. 1,260,289; Mar. 26; v. 248; p. 779.
Adams, Rollin E., Fort Collins, Colo. Folding-bed attachment for automobiles. No. 1,256,861; Feb. 19; v. 247; p. 588.
Adams, Soren S., Plainfield, N. J. Sound-emitting means for toys. No. 1,273,122; July 23; v. 252; p. 750.
Adams, Thomas E., assignor to Beatrice Steel Tank Manufacturing Company, Beatrice, Nebr. Corner-shield for building-siding. No. 1,258,080; Mar. 5; v. 248; p. 38.
Adams, Warrington E., Chicago, Ill. Car-wheel. No. 1,267,350; May 28; v. 250; p. 773.
Adams & Westlake Co., The. (See Hamm, William S., assignor.)
Adams & Westlake Company, The. (See Ditzler and Stender, assignors.)
Adams & Westlake Company, The. (See Hamm and Seidel, assignors.)
Adams & Westlake Company, The. (See Krohn, Nels, assignor.)
Adams, William A. (See Skublin, Charles P., assignor.)
Adams, William E., St. Paul, Minn. Automobile-signal. No. 1,258,850; Mar. 12; v. 248; p. 302.
Adams, William G., Roanoke, Va. Bridge construction. No. 1,252,873; Jan. 8; v. 246; p. 446.
Adams, William J., Mobile, Ala. Tire-armor. No. 1,269,362; June 11; v. 251; p. 382.
Adams, William J., assignor to Nonpareil Manufacturing Company, Cochranton, Pa. Motor-stand. No. 1,273,981; July 30; v. 252; p. 1021.
Adams, William P., assignor to Adams & Elting Company, Chicago, Ill. Stopper for receptacles. No. 1,289,352; Dec. 31; v. 257; p. 896.
Adams, William S., Riverton, Wyo., assignor of one-half to C. M. Cole, Chicago, Ill. Float-indicating device. No. 1,272,882; July 16; v. 252; p. 660.
Adams, Willie G., Cassville, Mo. Header-barge attachment. No. 1,277,346; Sept. 3; v. 254; p. 3.
Adamski, Marcin, Cleveland, Ohio. Flying-machine. No. 1,277,815; Sept. 3; v. 254; p. 134.
Adamson, Frank M. (See Miller and Adamson.)
Adamson, Frank M., and J. S. Tormey, Los Angeles, Cal. Tire-tool. No. 1,278,283; Sept. 10; v. 254; p. 285.
Adder Machine Company, The. (See Briechle, Ambrosius, assignor.)
Adder Machine Company, The. (See Pentecost, Arthur, assignor.)
Adder Machine Company, The. (See Wilgus, Charles V., assignor.)
Addicks, Walter R., New Castle, N. Y. Shut-off valve for gas and other pipes. No. 1,286,485; Dec. 3; v. 257; p. 75.
Addison, William D., Manning, Iowa. Automobile draft-controller. No. 1,284,030; Nov. 5; v. 256; p. 155.
Addograph Company. (See Crawley, Mansfield C., assignor.)
Addressograph Company. (See Duncan, Joseph S., assignor.)
Addressograph Company. (See Duncan and Lee, assignors.)
Addressograph Company. (See Hubbard, Henry E. O., assignor.)
Addressograph Company. (See Lee, Ulysses G., assignor.)
Addressograph Company. (See Reynolds, William, assignor.)
Adelmann, Hans, assignor to Ham Boiler Corporation, New York, N. Y. Ham-boiler. No. 1,272,883; July 16; v. 252; p. 660.
Adelson, Samuel L., New York, N. Y. Former for paper-receptacles. No. 1,257,949; Feb. 26; v. 247; p. 941.
Adelsperger, Charles C., and G. O. Stuck, assignors to Union City Body Company, Union City, Ind. Concealed seat for automobiles. No. 1,268,800; June 4; v. 251; p. 207.
Adix, Francis, Boone, Iowa. Ensilage-tamping device. No. 1,256,633; Feb. 19; v. 247; p. 521.
Adjustable Wrapping Machine Company. (See Wells, Arthur F., assignor.)
Adjustrite Company, The. (See Clark, Robert G., assignor.)
Adkins, Frank A. (See Wilsey and Green, assignors.)
Adkins, James A., Vienna, Ga. Scraper attachment for plows. No. 1,256,090; Feb. 12; v. 247; p. 324.
Adler, Bror A., assignor to P. A. Lorenz, Chicago, Ill. Differential. No. 1,252,641; Jan. 8; v. 246; p. 381.
Adler, Clarence. (See Kaiser and Adler.)
Adler, Herman, Richmond Hill, assignor, by mesne assignments, to Berson & Schloss, (Inc.), New York, N. Y. Attachment for producing spiral stitches. No. 1,284,958; Nov. 19; v. 258; p. 459.
Adler, Herman J., assignor to J. E. Steverding, Cleveland, Ohio. Detergent compound for cleaning window-shades, &c. No. 1,278,411; Sept. 10; v. 254; p. 317.
Adler, Milton D., New York, N. Y. Toy. No. 1,275,997; Aug. 20; v. 253; p. 519.
Adlerblum, Israel S., Edgemere, N. Y. Yardage-controlling device for pieces of fabric. No. 1,273,123; July 23; v. 252; p. 750.
Adom, Moysess B., White Plains, N. Y. Shell. No. 1,282,517; Oct. 22; v. 255; p. 754.
Adreon, Robert E., St. Louis, Mo. Automobile-steering-wheel lock. No. 1,270,088; June 18; v. 251; p. 610.
Adreon, Robert E., St. Louis, Mo., assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train-pipe connector. No. 1,276,306; Aug. 20; v. 253; p. 604.
Adrian, Augustin, Paris, France. Removable hut. No. 1,262,156; Apr. 9; v. 249; p. 359.
Adriance, Benjamin. (See Calleson, Amos, assignor.)

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Adriance, Benjamin, Brooklyn, N. Y. Manufacture of bottle-seals. No. 1,262,614; Apr. 16; v. 249; p. 515.
Adriance Machine Works. (See Calleson, Amos, assignor.)
Adrianson, Alfred L., Racine, Wis. Elevator-bucket attachment. No. 1,276,851; Aug. 27; v. 253; p. 791.
Adsit, Frank W. (See Chrisman and Adsit.)
Adsit, Frank W. (See Wise, Anthony G., assignor.)
Adsit, Frank W., Minneapolis, Minn. Banking-plane for automobiles. No. 1,266,191; May 14; v. 250; p. 396.
Adsit, Frank W., St. Paul, Minn. Opera-chair. No. 1,282,164; Oct. 22; v. 255; p. 659.
Adsit, Frank W., Chicago, Ill. Lightning-arrester. No. 1,288,460; Dec. 24; v. 257; p. 653.
Adsit, George, assignor to The Benjamin Eastwood Company, Paterson, N. J. Clutch. No. 1,280,623; Oct. 8; v. 255; p. 167.
Adt, John B., Baltimore, Md. Starch-cooler. No. 1,255,842; Feb. 12; v. 247; p. 251.
Adt, John B., Baltimore, Md. Drying apparatus. No. 1,255,843; Feb. 12; v. 247; p. 251.
Adt, Leo F., Albany, N. Y. Eyeglasses. No. 1,282,352; Oct. 22; v. 255; p. 709.
Advance Manufacturing Company, The. (See Russell, Lesher, and Meunier, assignors.)
Advance Manufacturing Company. (See Saborsky, Arthur D., assignor.)
Advance Pump & Compresser Company. (See Flinn, Claude A., assignor.)
Advance-Rumely Company. (See Hawn, Andrew P., assignor.)
Aeolian Company, The. (See Bryce, James W., assignor.)
Aeolian Company, The. (See Dickinson, Joseph H., assignor.)
Aeolian Company, The. (See Duffy, Charles G., assignor.)
Aeolian Company, The. (See Goss, Harry T., assignor.)
Aeolian Company, The. (See Head, Robert, assignor.)
Aeolian Company, The. (See Kelly, George B., assignor.)
Aeolian Company. (See Langner, Lawrence, assignor.)
Aeolian Company, The. (See Prettie, Richard J., assignor.)
Aeolian Company, The. (See Schaad, Hermann B., assignor.)
Aeolian Company, The. (See Schaefer, Frederick W., assignor.)
Aeolian Company, The. (See Scherr, Emilius W., Jr., assignor.)
Aeolian Company, The. (See Shaw, Charles H., assignor.)
Aeolian Company, The. (See Tremaine, Henry B., assignor.)
Aeolian Company, The. (See Young, Francis L., assignor.)
Aeolian Company, The. (See Young and Prettie, assignors.)
Aero Starter Company. (See Fite, Cephas V., assignor.)
Aeschbach, Friedrich, Aarau, Switzerland. Machine for molding pieces of dough. No. 1,252,765; Jan. 8; v. 246; p. 417.
Aeschbach, Friedrich, Aarau, Switzerland. Dough-dividing machine. No. 1,259,336; Mar. 12; v. 248; p. 439.
Åfren, Ivar J. E., Uppsala, Sweden. Producing embossed metal work. No. 1,278,816; Sept. 17; v. 254; p. 457.
Agar, Robert, Shortlands, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Draft-controlling installation for boiler-furnaces. No. 1,267,037; May 21; v. 250; p. 659.
Agasote Millboard Co., The. (See Sutherland, Daniel M., Jr., assignor.)
Aginley, John, Brooklyn, N. Y. Cigarette-case. No. 1,256,091; Feb. 12; v. 247; p. 324.
Agner, Raymond C., Burlington, Wis. Combination tire-holder license and lamp bracket. No. 1,273,117; July 23; v. 252; p. 749.
Agnew, Richard F., Callaway, Minn. Drag. No. 1,278,412; Sept. 10; v. 254; p. 317.
Agnew, Samuel J., San Diego, Cal. Tag-holder. No. 1,259,337; Mar. 12; v. 248; p. 439.
Aguilar, Alfonso, El Paso, Tex. Apparatus for cleaning lechuguilla, henequen, and analogous fibrous plants. No. 1,277,816; Sept. 3; v. 254; p. 135.
Ahachich, Peter J., assignor of one-fourth to M. Nemamich, Chicago, Ill. Stringed musical instrument. No. 1,289,067; Dec. 31; v. 257; p. 825.
Aheadofit Pictorial Co., The. (See Kleidman, Joseph, assignor.)
Ahern, Frank T., New York, assignor to F. Strauss, Yonkers, N. Y. Push-toy jigger. No. 1,251,458; Jan. 1; v. 246; p. 3.
Ahern, Frank T., New York, assignor to F. Strauss, Yonkers, N. Y. Toy. No. 1,265,718; May 14; v. 250; p. 261.
Ahern, Harry H., Newport News, Va. Wind scoop and screen for port-holes. No. 1,256,281; Feb. 12; v. 247; p. 382.
Ahern, John F., Longmeadow, Mass. Container. No. 1,267,617; May 28; v. 250; p. 847.
Ahern, Michael W., Fountain, Minn. Feeding-gate. No. 1,261,991; Apr. 9; v. 249; p. 314.
Ahl, Niels C. (See Ruddle and Ahl.)
Ahlborn, Theodore, Chicago, Ill., assignor to Waterloo Cement Machinery Corporation, Waterloo, Ohio. Concrete-mixer or the like. No. 1,284,959; Nov. 19; v. 256; p. 459.
Ahlburg, Frank, assignor to Electric Fruit Marking Co., San Francisco, Cal. Temperature-control system. No. 1,256,969; Feb. 19; v. 247; p. 620.
Ahlburg, Frank, assignor to Electric Fruit Marking Co., San Francisco, Cal. Fruit-marking machine. No. 1,284,031; Nov. 5; v. 256; p. 155.
Ahldin, David, New York, N. Y. Automatic-locking coupling connection. No. 1,269,038; June 11; v. 251; p. 291.
Ahlering, Frederick E., Port Reading, N. J. Fountain shaving-brush. No. 1,252,380; Jan. 8; v. 246; p. 305.
Ahlers, Philip J., New York, N. Y. Puttee. No. 1,253,557; Jan. 15; v. 246; p. 678.
Ahlgren, Axel G., Bridgeport, Conn. Clutch. No. 1,287,811; Dec. 17; v. 257; p. 469.
Ahlgren, John M., Indianapolis, assignor of one-third to O. M. Polk and one-third to C. Stanley, Newcastle, Ind. Storage battery. No. 1,259,193; Mar. 12; v. 248; p. 400.
Ahlm, Charles E. F., Cleveland Heights, and H. Y. Hall, Cleveland, Ohio. Brush-holder for dynamo-electric machines. No. 1,287,812; Dec. 17; v. 257; p. 469.
Ahnstrom, Erik G. (See Tenow and Ahnstrom.)
Aho, Tahvan E., Crosby, Minn. Stand for shoemakers. No. 1,270,682; June 25; v. 251; p. 799.
Ahrens, Walter R., Chicago, Ill. Jar-holder. No. 1,277,351; Sept. 3; v. 254; p. 4.
Aichele, Albert, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Pivotal joint between an alternating-current electromagnet and its armature. No. 1,255,121; Feb. 5; v. 247; p. 3.
Aichele, Albert, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Time-limit relay. No. 1,284,849; Nov. 12; v. 256; p. 394.
Aichele, Albert, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Motor-car-engine-starting apparatus. No. 1,284,850; Nov. 12; v. 256; p. 394.
Aicher, Gustav A., assignor to National Paper Products Co., San Francisco, Cal. Machine for cutting paper into sheets and interfolding the sheets. No. 1,273,567; July 23; v. 252; p. 869.
Aigner, George J., Chicago, Ill. Index-tab. (Reissue.) No. 14,550; Nov. 19; v. 256; p. 614.
Aiken, Charles L. (See Aiken, Herrick, assignor.)
Aiken, Edward L. (See Aylsworth and Aiken.)
Aiken, Edward L., Orange, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Motion-picture-projecting apparatus. No. 1,272,174; July 9; v. 252; p. 432.
Aiken, Glendon A., Pittsburgh, Pa. Nut-lock. No. 1,254,461; Jan. 22; v. 246; p. 956.
Aiken, Herrick, assignor to C. L. Aiken, Franklin, N. H. Electrically-operated knitting-machine. No. 1,273,802; July 30; v. 252; p. 969.
Aiken, Herrick, assignor to C. L. Aiken, Franklin, N. H. Knitting-machine. No. 1,273,803; July 30; v. 252; p. 969.
Aikin, William P., Watertown, N. Y., assignor to International Burr Corporation. Expanding mandrel. No. 1,270,089; June 18; v. 251; p. 611.
Aikins, Irwin, *et al.* (See Waite, Charles A., assignor.)
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pump and pumping system. No. 1,253,558; Jan. 15; v. 246; p. 678.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pump and pumping system. No. 1,253,559; Jan. 15; v. 246; p. 679
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Brake-valve device. No. 1,255,844; Feb. 12; v. 247; p. 251.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pump and pumping system. No. 1,255,972; Feb. 12; v. 247; p. 289.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pump. No. 1,256,092; Feb. 12; v. 247; p. 324.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pressure-reducing valve. No. 1,258,851; Mar. 12; v. 248; p. 302.
Ainsworth, William A., assignor of one-half to C. N. Mather, Grand Rapids, Mich. Winding and dyeing machine. No. 1,274,972; Aug. 6; v. 253; p. 179.
Air Cooled Burner Company. (See Stoddard, James T., assignor.) (Reissue.)
Air, Kathleen, and M. Lee, Chicago, Ill. Device for teaching values of musical characters. No. 1,286,896; Dec. 10; v. 257; p. 209.
Air Reduction Company. (See Kaufman, Alfonse, assignor.)
Airgood, Murrel D., Punxsutawney, Pa., Moistening device for incubators. No. 1,254,957; Jan. 29; v. 246; p. 1132.
Airless Auto Wheel & Tire Company. (See Amodio, Roberto, assignor.)
Aitchison, Archie, St. Petersburg, Fla. Casement-window-operating device. No. 1,262,157; Apr. 9; v. 249; p. 359.
Aitken, Edwin J., Pasco, Wash. Chainless non-skid device. No. 1,256,420; Feb. 12; v. 247; p. 423.
Aitken, William A., Gravesend, England. Paper-making machine. No. 1,264,254; Apr. 30; v. 249; p. 1026.

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Aizenman, Jacob, Brooklyn, N. Y. Guard for drivers' seats of vehicles. No. 1,273,800; July 30; v. 252; p 969.
Ajax Forge Company. (See Bender, William, assignor.)
Ajax Manufacturing Company, The. (See Blakeslee, Frank H., assignor.)
Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)
Ajax Metal Company, The. (See Northrup, Edwin F., assignor.)
Ajello, Vincent, Pittsburgh, Pa. Ice-creeper. No. 1,259,705; Mar. 19; v. 248; p. 575.
Akans, Walter C., assignor of one-half to J. A. Ryan, Birmingham, Ala. Loose-leaf binder. No. 1,267,038; May 21; v. 250; p. 659.
Akeley Camera. (See Akeley, Carl E., assignor.)
Akeley, Carl E., assignor to Akeley Camera, Inc., New York, N. Y. Operating-handle for motion-picture cameras and projectors. No. 1,261,890; Apr. 9; v. 249; p. 285.
Akeley, Carl E., assignor to Akeley Camera Inc., New York, N. Y. Clamping mechanism for cameras and the like. No. 1,288,461; Dec. 24; v. 257; p. 653.
Aker, Albert E., Eldorado, Kans. Dust-cap for tire-valves. No. 1,270,253; June 25; v. 251; p. 681.
Aker, Eldon, Smithville, Mo. Feed-rack. No. 1,265,025; May 7; v. 250; p. 43.
Akerberg, Anton, Prince Rupert, British Columbia, Canada. Long-line hauler. No. 1,279,213; Sept. 17; v. 254; p. 562.
Akerlund, Gustaf H., Bray, Minn. Heating and ventilating system for buildings. No. 1,254,643; Jan. 29; v. 246; p. 1037.
Akerlund, Gustaf H., Bray, Minn. Razor-wiping attachment for shaving-mugs. No. 1,256,282; Feb. 12; v. 247; p. 382.
Akerlund, Gustaf H., Bray, Minn. Ventilating system for stables and other buildings. No. 1,263,833; Apr. 23; v. 249; p. 875.
Akers, Axel, Chicago, Ill. High-pressure strainer and method for cleaning or exchanging the strainer-baskets. No. 1,269,571; June 18; v. 251; p. 469.
Akers, Harry G., and W. P. Kaufmann, assignors to Malt Products Company of Canada, Limited, Toronto, Ontario, Canada. Malt product. No. 1,256,634; Feb. 19; v. 247; p. 521.
Akimoff, Nicholas W., assignor, by mesne assignments, to Dynamic Balancing Machine Company, Philadelphia, Pa. Method of and apparatus for detecting dynamic balance. No. 1,262,593; Apr. 9; v. 249; p. 481.
Akimoff, Nicholas W., assignor to Dynamic Balancing Machine Company, Philadelphia, Pa. Azimuth-adjusting mechanism. No. 1,262,594; Apr. 9; v. 249; p. 482.
Akin, Claud O., Princeton, Ky. Dental implement. No. 1,267,039; May 21; v. 250; p. 659.
Akins, Samuel W., Denver, Colo. Refrigerator display-case. No. 1,271,823; July 9; v. 252; p. 331.
Akron Rubber Mold and Machine Company, The. (See Childs, Wilbur T., assignor.)
Akron Rubber Mold & Machine Company, The. (See Wilson, Wesley E., assignor.)
Akron Tire and Rubber Company. (See Talbot, William W., assignor.)
Aksai Machinery Corporation. (See Avilov, Boris I., assignor.)
Aksdal, John A., Seattle, Wash. Shingle-gage. No. 1,256,192; Feb. 12; v. 247; p. 356.
Aktiebolaget C. E. Johansson. (See Johansson, Carl E., assignor.)
Aktiebolaget Ljungström Angturbin. (See Ljungström, Birger and F., assignors.)
Aktiebolaget Ljungstroms Ångturbin. (See Ljungström, Fredrik, assignor.)
Aktiebolaget Ljungströms Ångturbin. (See Wiberg, Oskar A., assignor.)
Aktiebolaget Separator. (See Lindgren, Hans O., assignor.)
Aktiebolaget Svenska Kullager-Fabriken. (See Miller, Clarence H., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Fjellman, Bengt W., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Forsberg, Uno, assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Forslund, Henning D., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Lindhé, Roland W., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Rydbeck, Patrik S., assignor.)
Aktiebolaget Svenska Kullagerfabriken *et al.* (See Wingqvist, Erik H., assignor.)
Aktiebolaget Svenska Tobaksmonopolet. (See Sandberg, Oscar, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Aichele, Albert, assignor.)
Aktiengesellschaft Chocolat Tobler. (See Baumann, Emil, assignor.)
Aktiengesellschaft Cilander. (See Klauser, Oscar, assignor.)
Aktiengesellschaft Cilinder. (See Klauser, Oskar, assignor.)
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Co. (See Graemiger, Benjamin, assignor.)
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Zoelly, Heinrich, assignor.)
Alaimo, Joseph J., San Jose, Cal. Automobile-signal device. No. 1,276,473; Aug. 20; v. 253; p. 652.
Alaj, Antonio, Cleveland, Ohio. Mechanical water-horse for aquatic sports. No. 1,253,329; Jan. 15; v. 246; p. 612.
Alam, Bert R., Winnebago, Nebr. Cultivator attachment. No. 1,266,542; May 21; v. 250; p. 519.
Alaska Products Company. (See Cameron, Frank K., assignor.)
Albergamo, Nicholas, Charleston, S. C. Register-operating mechanism. No. 1,257,443; Feb. 26; v. 247; p. 791.
Alberger Pump and Condenser Company. (See Dean, Dion K., assignor.)
Alberger Pump and Condenser Company. (See Symonds, George P., assignor.)
Albers, O. J. *et al.* (See Pratt, Edward, assignor.)
Albert, Fred, Jersey City, N. J. Frame for shafting-hangers and the like. No. 1,258,174; Mar. 5; v. 248; p. 65.
Albert, George F., Pittsburgh, Pa. Display device. No. 1,253,456; Jan. 15; v. 246; p. 651.
Albert, Harry D., Philadelphia, Pa. Safety weighing attachment for elevators. No. 1,284,960; Nov. 19; v. 256; p. 459.
Albert, Heinrich. (See Januchowsky and Albert.)
Albert and J. M. Anderson Manufacturing Company. (See Curtis, Kenneth L., assignor.)
Albert, Peter H., Vulcan, Mich. Cow-tail holder. No. 1,274,356; July 30; v. 252; p. 1123.
Albert, Walter H., North Caldwell, N. J. Package. No. 1,286,486; Dec. 3; v. 257; p. 76.
Albert, Walter P., Chicago, Ill., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,274,658; Aug. 6; v. 253; p. 91.
Alberti, Emilio. (See Rasmussen and Alberti.)
Alberti, Emilio, New York, assignor to International Cork Company, Brooklyn, N. Y. Feeding attachment for crown-cork-making machines. No. 1,255,122; Feb. 5; v. 247; p. 3.
Alberti, Emilio, New York, assignor to International Cork Company, Brooklyn, N. Y. Screening attachment for cork-disk-cutting machines. No. 1,257,171; Feb. 19; v. 247; p. 677.
Alberti, Emilio, New York, assignor to International Cork Company, Brooklyn, N. Y. Cork-cutting machine. No. 1,261,672; Apr. 2; v. 249; p. 193.
Alberti, Emilio, New York, assignor to International Cork Company, Brooklyn, N. Y. Wood-top cork. No. 1,273,118; July 23; v. 252; p. 749.
Alberti, Emilio, New York, assignor to International Cork Company, Brooklyn, N. Y. Feeding attachment for crown-cork-making machines. No. 1,289,591; Dec. 31; v. 257; p. 956.
Alberti, Emilio, M. Caritj, and G. La Femina, New York, assignors to International Cork Company, Brooklyn, N. Y. Cork-blocking machine. No. 1,267,311; May 21; v. 250; p. 733.
Alberts, James, Dallas, Tex. Cable reeling and pulling truck. No. 1,256,093; Feb. 12; v. 247; p. 325.
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Sioux City, Iowa. Valve-grinder. No. 1,282,018; Oct. 22; v. 255; p. 617.
Albertson, Frans O., assignor to Albertson & Company, Sioux City, Iowa. Refacing-tool for puppet-valves. No. 1,285,573; Nov. 26; v. 256; p. 655.
Albertson, Frans O., assignor to Albertson & Company, Sioux City, Iowa. Bushing-remover. No. 1,286,897; Dec. 10; v. 257; p. 209.
Albertson, R. W., *et al.* (See McCue, Leo, assignor.)
Albig, William O. (See Currie and Gruenberg, assignors.)
Albin, George E., Cornish, Okla. Air-cooling system. No. 1,267,160; May 21; v. 250; p. 695.
Alborn, Frans G., Bridgeport, Conn., assignor to The Locomobile Company of America, New York, N. Y. Demountable body. No. 1,288,462; Dec. 24; v. 257; p. 653.
Alborn, Frans G., Milford, Conn., assignor to The Locomobile Company of America, New York, N. Y. Housing for machinery. No. 1,289,353; Dec. 31; v. 257; p. 897.
Albrecht, Charles, Jr., Schleisingerville, Wis. Door-operating mechanism. No. 1,257,172; Feb. 19; v. 247; p. 678.
Albrecht, Charles W., Jr., Schleisingerville, Wis. Emergency auto-tire. No. 1,272,351; July 16; v. 252; p. 509.
Albrecht, Frederick E., Erie, Pa. Signal apparatus. No. 1,284,961; Nov. 19; v. 256; p. 460.
Albrecht, Nunnally H., and W. A. Baldwin, Dawson, Ga. Mouse-trap. No. 1,283,018; Oct. 29; v. 255; p. 921.
Albrecht, Oscar A., Grand Rapids, Mich., assignor to O. A. Albrecht Company, Omaha, Nebr. Friction-gearing. No. 1,277,167; Aug. 27; v. 253; p. 876.
Albree, Edward C., Swampscott, Mass. Means employed in the art of transacting business. No. 1,258,081; Mar. 5; v. 248; p. 38.

Albright, Chester W., Evanston, Ill., assignor, by mesne assignments, to J. V. McManis, Kirksville, Mo. Treating-table. No. 1,286,166; Nov. 26; v. 256; p. 802.
Albright, Edward, Menominee, Mich. Pan-rack. No. 1,272,175; July 9; v. 252; p. 432.
Albright, Irvin J., Joplin, Mo. Shock-absorber for automobiles. No. 1,257,950; Feb. 26; v. 247; p. 941.
Albritton, Thomas A. (See Geiger, Cornelius, M., assignor.)
Albro, Emma L., Nichols, N. Y. Cooking utensil. No. 1,254,384; Jan. 22; v. 246; p. 935.
Alcantarilla, Luis B. (See Molina and Alcantarilla.)
Alcon, Charles, assignor of one-half to J. Dougherty, Indianapolis, Ind. Safety electric-circuit breaker for automobiles. No. 1,261,091; Apr. 2; v. 249; p. 29.
Alcorn, Joe, Stonewall, Okla. Rail-joint connection. No. 1,283,019; Oct. 29; v. 255; p. 921.
Alden, Carroll R., Detroit, Mich., assignor to Westinghouse Electric and Manufacturing Company. Electrical system. No. 1,266,898; May 21; v. 250; p. 619.
Alden, John L., Ludlow, Mass. Dust-separator. No. 1,253,766; Jan. 15; v. 246; p. 739.
Aldendorf, Wilbrand H., Dormont, Pa. Safety-razor. No. 1,288,463; Dec. 24; v. 257; p. 654.
Alderfer, Frederick G. (See Alderfer, John M., assignor.)
Alderfer, John M., Akron, assignor of one-half to F. G. Alderfer, Medina, Ohio. Crate. No. 1,254,186; Jan. 22; v. 246; p. 878.
Alderson, Jason L., South Bend, Ind. Rotary valve. No. 1,263,991; Apr. 23; v. 249; p. 920.
Alderson, Willon P., Timmins, Ontario, Canada. Mineral-separator. No. 1,264,135; Apr. 30; v. 249; p. 991.
Aldredge, Robert E., Pleasant Hill, La. Jewel-setter. No. 1,253,116; Jan. 8; v. 246; p. 521.
Aldrich, Carl G., Somerville, Mass. Eyeglass-holder. No. 1,259,706; Mar. 19; v. 248; p. 576.
Aldrich, Carl G., Somerville, Mass. Eyeglass-holder. No 1,259,707; Mar. 19; v. 248; p. 576.
Aldrich, George W., Antigo, Wis. Washing-machine cylinder. No. 1,254,187; Jan. 22; v. 246; p. 878.
Aldrich, George W., Antigo, Wis. Washing-machine cylinder. No. 1,256,635; Feb. 19; v. 247; p. 521.
Aldrich, Paul K., assignor, by mesne assignments, to A. McKenzie, Chicago, Ill. Bolster side bearing. No. 1,260,993; Mar. 26; v. 248; p. 978.
Aldrich, Paul K., assignor, by mesne assignments, to A. McKenzie, Chicago, Ill. Roller bolster-bearing. No. 1,270,090; June 18; v. 251; p. 611.
Aldrich Pump Company, The. (See Aldrich, Roscoe H., assignor.)
Aldrich, Ralph J., Chicago, Ill., assignor to Benjamin Electric Mfg. Company. Safety manipulating device for machinery. No. 1,257,444; Feb. 26; v. 247; p. 791.
Aldrich, Roscoe H., assignor to The Aldrich Pump Company, Allentown, Pa. Flexible coupling. No. 1,264,742; Apr. 30; v. 249; p. 1160.
Aldrich, Thomas B., assignor to Parke, Davis & Company, Detroit, Mich. Glandular extractive product and manufacturing same. No. 1,271,111; July 2; v. 252; p. 101.
Aldrich, William T., Millville, Mass., assignor to Woonsocket Rubber Company. Circulation system for vulcanizers. No. 1,288,464; Dec. 24; v. 257; p. 654.
Aldridge, John E., Huntington, W. Va. Jar-lifter. No. 1,274,229; July 30; v. 252; p. 1090.
Alemany, José L., San German, Porto Rico. Apparatus for protecting ships against torpedo attacks. No. 1,260,121; Mar. 19; v. 248; p. 696.
Alemite Metals Company. (See Goldberg, John S., assignor.)
Alexander, Abraham, New York, N. Y. Press. No. 1,252,532; Jan. 8; v. 246; p. 349.
Alexander, Alexander M., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding-machine. No. 1,264,136; Apr. 30; v. 249; p. 991.
Alexander, Andrew, New York, N. Y. Expansion shell-reamer and arbor therefor. No. 1,266,538; May 14; v. 250; p. 488.
Alexander, Charles L., Charlotte, N. C. Bed. No. 1,259,194; Mar. 12; v. 248; p. 400.
Alexander, Chris Z., Redwood City, Cal. Barber's accessory. No. 1,278,284; Sept. 10; v. 254; p. 285.
Alexander, Clarence J., Seattle, Wash. Fish-carrying scow. No. 1,262,426; Apr. 9; v. 249; p. 434.
Alexander, Daniel, *et al.* (See Adams, George E., assignor.)
Alexander, David A., Rochester, N. Y. Balanced valve. No. 1,273,804; July 30; v. 252; p. 969.
Alexander, Focsaneanu, assignor to Allison & Hadaway, New York, N. Y. Arc-lamp. No. 1,281,745; Oct. 15; v. 255; p. 504.
Alexander, Frank F., and L. W. Bruun, International Falls, Minn. Potato-digger. No. 1,266,376; May 14; v. 250; p. 443.
Alexander, George. (See Cantrelle and Alexander.)
Alexander, George E., New York, N. Y. Beater and mixer. No. 1,263,014; Apr. 16; v. 249; p. 630.
Alexander, George H. (See Whitehouse and Cook, assignors.)
Alexander, H Walter, Sac City, Iowa, assignor to B. R. Greenblatt, Omaha, Nebr. Ring-mold. No. 1,280,128; Oct. 1; v. 255; p. 3.
Alexander, H Walter, Sac City, Iowa, assignor to B. R. Greenblatt, Omaha, Nebr. Contracting metal core for ring-molds. No. 1,281,258; Oct. 15; v. 255; p. 373.
Alexander, Herbert, W. T. Vint, and A. Imbery, Leeds, England. Annealing metal wire by electricity. No. 1,285,887; Nov. 26; v. 256; p. 735.
Alexander, James H., Conquest, Kans. Trap. No. 1,266,751; May 21; v. 250; p. 580.
Alexander, James W., assignor to American Auto Lock Company, Pittsburgh, Pa. Hood-lock. No. 1,265,026; May 7; v. 250; p. 44.
Alexander, Jerome, assignor to National Gum & Mica Company, New York, N. Y. Producing matter in a finely-divided state. No. 1,259,708; Mar. 19; v. 248; p. 576.
Alexander, John, Oak Creek, Colo. Railway-switch. No. 1,275,998; Aug. 20; v. 253; p. 519.
Alexander, John E., Covington, Va. Display device. No. 1,266,899; May 21; v. 250; p. 619.
Alexander, Louis A., assignor to The Toledo Commutator Co., Toledo, Ohio. Commutator-assembling device. No. 1,272,176; July 9; v. 252; p. 433.
Alexander, Louise E., Southport, N. Y. Milk-pail. No. 1,274,131; July 30; v. 252; p. 1063.
Alexander Milburn Company, The. (See Jenkins, Alexander F., assignor.)
Alexander, Milton F., assignor of one-half to A. Sauer, Milwaukee, Wis. Press-button. No. 1,267,494; May 28; v. 250; p. 812.
Alexander, Minnie, *et al.* (See Gasser, William B., assignor.)
Alexander, Verne P., assignor to W. G. Wilmot, Chicago, Ill. Means to supply heated air to carbureters. No. 1,266,900; May 21; v. 250; p. 620.
Alexander, Victor W., Milwaukee, Wis. Coupon-envelop. No. 1,265,159; May 7; v. 250; p. 79.
Alexander, W. B. D. (See Johnson, Wilfred G., assignor.)
Alexander, Walter, assignor to National Gum & Mica Company, New York, N. Y. Adhesive composition and making same. No. 1,263,634; Apr. 23; v. 249; p. 823.
Alexander, Walter, assignor to National Gum & Mica Company, New York, N. Y. Adhesive composition and making same. No. 1,263,635; Apr. 23; v. 249; p. 823.
Alexander, William B., Brooklyn, N. Y. Projectile. No. 1,277,023; Aug. 27; v. 253; p. 836.
Alexander, Wilson H., Philadelphia, Pa. Shipping-jacket. No. 1,268,201; June 4; v. 251; p. 37.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Internal-combustion hydraulic pump. No. 1,259,338; Mar. 12; v. 248; p. 440.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Rotor for dynamo-electric machines. No. 1,261,673; Apr. 2; v. 249; p. 193.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Multispeed alternating-current motor. No. 1,263,992; Apr. 23; v. 249; p. 920.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Condenser. No. 1,266,377; May 14; v. 250; p. 444.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electrical system of power transmission. No. 1,268,662; June 4; v. 251; p. 168.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Automatic control of phase-converters. (Reissue.) No. 14,510; Aug. 27; v. 253; p. 921.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,280,624; Oct. 8; v. 255; p. 167.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Motor excitation. No. 1,289,592; Dec. 31; v. 257; p. 956.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of electric ship propulsion. No. 1,289,593; Dec. 31; v. 257; p. 956.
Alexandre, James W., Old Church, Va. Mower-knife sharpener. No. 1,274,659; Aug. 6; v. 253; p. 92.
Alexis, Henry F., Grandy, Minn. Automobile-leaf-spring oiler. No. 1,275,192; Aug. 13; v. 253; p. 265.
Alfred Graham & Company. (See Rickets, William J., assignor.)
Alfreds, Torris H., assignor to The P. & M. Co., Chicago, Ill. Rail-anchor. No. 1,270,360; June 25; v. 251; p. 710.
Alfsen, Harald, Porsgrund, Norway. Building and launching floating craft. No. 1,258,175; Mar. 5; v. 248; p. 65.
Alger, Paul, New York, N. Y. Device for rendering vessels unsinkable. No. 1,280,937; Oct. 8; v. 255; p. 253.
Algie, Benjamin C., Ogdensburg, N. Y. Toy. No. 1,261,992; Apr. 9; v. 249; p. 314.
Algoma Steel Corporation Limited. (See Smallwood, Frank, assignor.)
Alguire, Ivan M., Riverside, Cal. Demountable wheel. No. 1,281,890; Oct. 15; v. 255; p. 544.
Ali Cohen, Eduard S., The Hague, Netherlands. Elastic mass and manufacture of same. No. 1,280,129; Oct. 1; v. 255; p. 3.

Alphabetical list of patentees—Continued.

Alin, Fred, Cosmopolis, Wash. Square-hole bit. No. 1,258,972; Mar. 12; v. 248; p. 335.
Allan, Andrew, Leith, Scotland. Flying-machine. No. 1,264,743; Apr. 30; v. 249; p. 1160.
Allan, Chilton W., Tulsa, Okla. Photographic enlarging apparatus. No. 1,284,545; Nov. 12; v. 256; p. 317.
Allan Herschell Company. (See Jaenecke, Wilhelm F., assignor.)
Allan, William A., Stouffville, Ontario, Canada. Combined engine and turbine. No. 1,261,993; Apr. 9; v. 249; p. 314.
Allan, William N., San Antonio, Tex. Driving mechanism for automobiles and the like. No. 1,257,776; Feb. 26; v. 247; p. 891.
Allard, Andrew J., Richmond, Va. Time-operated circuit-controlling means. No. 1,252,874; Jan. 8; v. 246; p. 446.
Allatt, Thomas, New Brighton, assignor to Herrmann, Aukam & Co., New York, N. Y. Tearing-machine. No. 1,255,123; Feb. 5; v. 247; p. 3.
Allatt, Thomas, New Brighton, assignor to Herrmann, Aukam & Co., New York, N. Y. Tearing-machine. No. 1,255,270; Feb. 5; v. 247; p. 44.
Allbright-Nell Company, The. (See Kohlhepp, John W., assignor.)
Allbright, William B., Chicago, Ill. Dehairing and washing machine for hogs. No. 1,261,200; Apr. 2; v. 249; p. 59.
Allchin, Firm of William. (See Street and Sirett, assignors.)
Allcutt, Chester T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. No. 1,289,068; Dec. 31; v. 257; p. 825.
Alldread, David, Bay City, Mich. Cross-head. No. 1,265,027; May 7; v. 250; p. 44.
Alleman, Grant E., Shoemakersville, Pa. Coal-washing trough. No. 1,268,531; June 4; v. 251; p. 131.
Allen, Alfred, J. J. Murphy, and H. A. Willard, Toledo, Ohio, assignors, by mesne assignments, to The Pan Chro Scope Corporation, Indianapolis, Ind. Multicolor stereoscopic device. No. 1,281,746; Oct. 15; v. 255; p. 504.
Allen, Alfred J. (See Leonard, Leslie V., assignor.)
Allen, Alonzo W., assignor of one-half to C. E. Goldsmith, Streator, Ill. Paper-folder. No. 1,286,487; Dec. 3; v. 257; p. 76.
Allen, Andrews, assignor to Wood Equipment Company, Chicago, Ill. Car-tipple. No. 1,265,028; May 7; v. 250; p. 44.
Allen, Anson W. (See Ryding and Allen.)
Allen, August N., Green Bay, Wis. Water-trough. No. 1,278,285; Sept. 10; v. 254; p. 285.
Allen, Austin R., Bigspring, Nebr. Crutch. No. 1,253,117; Jan. 8; v. 246; p. 521.
Allen, Benjamin P., Great Neck Station, N. Y. Explosive. No. 1,284,032; Nov. 5; v. 256; p. 155.
Allen, Benjamin T., assignor of three-fourths to C. W. Lynch, W. Jennings, and J. T. Hambay, Harrisburg, Pa. Steam-engine. No. 1,278,818; Sept. 17; v. 254; p. 457.
Allen, Bessie M., Kingston, N. Y. Garment-hanger. No. 1,272,884; July 16; v. 252; p. 661.
Allen, Carroll. (See Blumenberg, Henry, Jr., assignor.)
Allen, Charles, El Paso, Tex. Automatic separating device. No. 1,254,562; Jan. 22; v. 246; p. 986.
Allen, Charles, El Paso, Tex. Classifier and separator. No. 1,259,709; Mar. 19; v. 248; p. 576.
Allen, Charles D., and J. C. Maugans, New York, N. Y.; said Maugans assignor to said Allen. Pencil-sharpener. No. 1,281,747; Oct. 15; v. 255; p. 505.
Allen, Charles H., Oakland, N. J. Light-regulator. No. 1,262,427; Apr. 9; v. 249; p. 434.
Allen, Charles H., Claremont, N. H. Sound-reproducing mechanism. No. 1,276,156; Aug. 20; v. 253; p. 564.
Allen, Charles R., Ashtabula, Ohio. Vehicle-top support. No. 1,287,813; Dec. 17; v. 257; p. 469.
Allen, Charles S., Los Angeles, Cal. Fuel and auxiliary-air homogenizer. No. 1,263,188; Apr. 16; v. 249; p. 680.
Allen, Claude N., assignor to A. T. S. D. Manufacturing Company, Michigan City, Ind. Tire-cleaning brush. No. 1,272,352; July 16; v. 252; p. 509.
Allen, Claxton E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Relay. No. 1,274,660; Aug. 6; v. 253; p. 92.
Allen, Clay, Blairstown, Mo. Road grading and building machine. No. 1,259,710; Mar. 19; v. 248; p. 577.
Allen, Clile C., Chicago, Ill., assignor, by mesne assignments, to New York Lens Company, Inc. New York, N. Y. Apparatus for grinding one-piece bifocal lenses. No. 1,261,674; Apr. 2; v. 249; p. 193.
Allen, Clile C., Chicago, Ill., assignor, by mesne assignments, to New York Lens Company, Inc., New York, N. Y. Lens-grinding machine. No. 1,282,722; Oct. 29; v. 255; p. 837.
Allen Coaster Brake Manufacturing Company, The. (See Allen, James B., assignor.)
Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Gimp-thread-pull-off device for buttonhole-sewing machines. No. 1,278,817; Sept. 17; v. 254; p. 457.
Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Buttonhole-sewing machine. (Reissue.) No. 14,529; Oct. 8; v. 255; p. 343.
Allen, Edward B., and B. F. Crosby, Bridgeport, Conn., assignors to The Singer Manufacturing Company. Thread-controlling mechanism. No. 1,275,999; Aug. 20; v. 253; p. 519.
Allen, Edward E., assignor to Allen Machine Company, Erie, Pa. Screening apparatus. No. 1,263,834; Apr. 23; v. 249; p. 876.
Allen, Edward L. (See Dow, Isiah, assignor.)
Allen, Ernest E., Eugene, Oreg. Fly-trap. No. 1,277,527; Sept. 3; v. 254; p. 54.
Allen, F. L. *et al.* (See Harris, Richard G., assignor.)
Allen, Frank E., and J. M. Lieb, Columbus, Ohio. Water-motor. No. 1,254,644; Jan. 29; v. 246; p. 1037.
Allen, Fred R., Providence, R. I. Wrench. No. 1,261,092; Apr. 2; v. 249; p. 29.
Allen, George A. (See Woodhead, Norman B., assignor.)
Allen, George H., North Fremantle, Western Australia, Australia. Generator for gas-producer plants. No. 1,254,107; Jan. 22; v. 246; p. 855.
Allen, George L., assignor of one-third to W. H. Anderson, Warren, Ohio. Tin-plate catcher. No. 1,285,574; Nov. 26; v. 256; p. 655.
Allen, George W., assignor to B. F. Sturtevant Company, Boston, Mass. Pump for pneumatic cleaners. No. 1,254,188; Jan. 22; v. 246; p. 878.
Allen, Harry, Cleveland, Ohio. Vehicle-wheel. No. 1,253,921; Jan. 15; v. 246; p. 782.
Allen, Harry C. (See Dodge and Allen.)
Allen, Henry A., Chicago, Ill. Apparatus for treating liquids. No. 1,256,862; Feb. 19; v. 247; p. 589.
Allen, Henry A., Chicago, Ill. Gear. No. 1,287,814; Dec. 17; v. 257; p. 469.
Allen Iron & Steel Company, The. (See Maloney, Philip M., assignor.)
Allen, Irwin O., Franklin county, Ind. Exercising-machine. No. 1,279,633; Sept. 24; v. 254; p. 702.
Allen, James B., assignor to The Allen Coaster Brake Manufacturing Company, Pueblo, Colo. Coasting and brake attachment for toy vehicles. No. 1,284,169; Nov. 5; v. 256; p. 193.
Allen, James M., assignor to Fellhauer-Allen Manufacturing Company, St. Louis, Mo. Spring-wheel. No. 1,262,902; Apr. 16; v. 249; p. 597.
Allen, James M., assignor to Fellhauer-Allen Manufacturing Company, St. Louis, Mo. Vehicle-wheel. No. 1,262,903; Apr. 16; v. 249; p. 597.
Allen, James M., assignor to Fellhauer-Allen Manufacturing Company, St. Louis, Mo. Refractory material. No. 1,275,354; Aug. 13; v. 253; p. 310.
Allen, Jennie L., Long Beach, Cal. Doll. No. 1,261,994; Apr. 9; v. 249; p. 314.
Allen, Jesse H., assignor of one-half to B. S. Miller, Columbus, Ga. Lug-strap support. No. 1,252,215; Jan. 1; v. 246; p. 224.
Allen, John D., Philadelphia, Pa. Gearing. No. 1,262,901; Apr. 16; v. 249; p. 597.
Allen, John D., Philadelphia, Pa. Compensating reversible driving mechanism. No. 1,264,744; Apr. 30; v. 249; p. 1160.
Allen, John D., Philadelphia, Pa. Compensating driving mechanism for motor-vehicles. No. 1,265,160; May 7; v. 250; p. 80.
Allen, John E., San Francisco, Cal. Buoyant waterproof composition. No. 1,285,888; Nov. 26; v. 256; p. 735.
Allen, John H., North Yakima, Wash. Rotary harrow. No. 1,280,361; Oct. 1; v. 255; p. 69.
Allen, John V., assignor of one-half to H. B. Weeks, Providence, R. I. Non-tangling device for flags. No. 1,277,347; Sept. 3; v. 254; p. 3.
Allen, John V., South Weymouth, and E. E. Orr, Weymouth, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. No. 1,286,869; Dec. 3; v. 257; p. 162.
Allen, Julius L., Wheatland, Cal. Farm-tractor. No. 1,258,973; Mar. 12; v. 248; p. 336.
Allen, Lafayette, Rutland, Vt. Automobile running-board and fender. No. 1,289,594; Dec. 31; v. 257; p. 957.
Allen, Lester F., *et al.* (See Matheson, Robert, assignor.)
Allen Machine Company. (See Allen, Edward E., assignor.)
Allen, Napoleon B., Brooklyn, N. Y. Curtain-stretcher. No. 1,252,981; Jan. 8; v. 246; p. 480.
Allen, Presley R. (See Otterson, Thomas P., assignor.)
Allen, Robert, Caversham, England. Steam-superheater. No. 1,262,428; Apr. 9; v. 249; p. 434.
Allen, Robert J., New York, N. Y. Dusting-door and dusting-door brick. No. 1,284,546; Nov. 12; v. 256; p. 317.
Allen S. Davison Co. (See Handy and Isham, assignors.)
Allen, Sherman T., Los Angeles, Cal. Reciprocating sleeve-valve. No. 1,257,777; Feb. 26; v. 247; p. 892.
Allen, Sherman T., Los Angeles, Cal. Water-ballasted tractor-wheel. No. 1,257,778; Feb. 26; v. 247; p. 892.

Allen, Thomas B., Toronto, Canada, assignor to The Carborundum Company, Niagara Falls, N. Y. Making aluminous abrasives. No. 1,268,532; June 4; v. 251; p. 132.
Allen, Thomas B., Toronto, Canada, assignor to The Carborundum Company, Niagara Falls, N. Y. Aluminous abrasive. No. 1,268,533; June 4; v. 251; p. 132.
Allen, Walter Z. (See Farnsworth and Allen.)
Allen, Watson H., assignor of one-half to B. U. Hepner, Marseilles, Ill. Wagon-seat connection. No. 1,275,825; Aug. 13; v. 253; p. 440.
Allen, William, *et al.* (See Matheson, Robert, assignor.)
Allen, William E., assignor to Kingman's Sample Furniture Co., Grand Rapids, Mich. Folding table. No. 1,274,973; Aug. 6; v. 253; p. 179.
Allen, William H., Detroit, Mich. Treatment of iron and steel to prevent corrosion. No. 1,260,740; Mar. 26; v. 248; p. 910.
Allen, William H., Detroit, Mich. Cement. No. 1,261,750; Apr. 9; v. 249; p. 247.
Allen, William H., Detroit, Mich. Producing ferric phosphates. No. 1,271,002; July 2; v. 252; p. 72.
Allen, William H., Detroit, Mich. Metal-polish. No. 1,280,939; Oct. 8; v. 255; p. 254.
Allen, William H., Detroit, Mich. Making phosphoric acid. No. 1,285,575; Nov. 26; v. 256; p. 655.
Allen, William H., Momence, assignor of one-third to E. A. Kramer, Grant Park, Ill. Deck for brick-cars. No. 1,271,413; July 2; v. 252; p. 184.
Allen, William H., Momence, assignor of one-third to E. A. Kramer, Grant Park, Ill. Brick-handling machine. No. 1,280,938; Oct. 8; v. 255; p. 253.
Allen, William H., assignor to Parker Rust-Proof Company of America, Detroit, Mich. Solution for rust-proofing iron and steel. No. 1,287,605; Dec. 17; v. 257; p. 415.
Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Retaining-clip for type or printing plates. No. 1,274,363; Aug. 6; v. 253; p. 3.
Allen, William W., Washington, D. C. Demountable rim. No. 1,277,024; Aug. 27; v. 253; p. 836.
Allen, Willis E., Auburn, Me. Wire clothes-pin. No. 1,253,767; Jan. 15; v. 246; p. 739.
Allenbaugh, Samuel, Galion, Ohio. Closure for burial-vaults. No. 1,269,572; June 18; v. 251; p. 469.
Allender, Charles H., New York, N. Y. Cloche useful for horticultural and agricultural purposes. No. 1,272,760; July 16; v. 252; p. 624.
Allensby, Charles R., assignor of one-half to Benham & Sons, Limited, London, England. Steam-heated radiator. No. 1,289,052; Dec. 24; v. 257; p. 797.
Allenson, John, Grand Junction, Mich. Water-tank. No. 1,284,962; Nov. 19; v. 256; p. 460.
Allensworth, Cathrine E., Carroll, Nebr. Strainer attachment for coffee or tea pots. No. 1,280,625; Oct. 8; v. 255; p. 167.
Allensworth, Ellis D., Waukegan, Ill. Spark-distributor for internal-combustion engines. No. 1,282,019; Oct. 22; v. 255; p. 617.
Aller, Chester C., and O. Bekkedahl, Portal, N. D. Telephone-switchboard. No. 1,285,576; Nov. 26; v. 256; p. 656.
Allerding, Cletus N., Mansfield, Ohio. Steering-wheel. No. 1,271,257; July 2; v. 252; p. 143.
Allerton, Samuel E., Chicago, Ill. Can-soldering machine. No. 1,256,421; Feb. 12; v. 247; p. 424.
Alles, William J. (See Dodge and Alles.)
Alleva, Sante T. (See Bravi, Giuseppe, assignor.)
Alley, Daniel N., and A. E. Miller, Peru, Ind. Window-shade fixture. No. 1,252,982; Jan. 8; v. 246; p. 480.
Allgemeine Radiogen-Aktien-Gesellschaft *et al.* (See Heydenreich, Ernst, assignor.)
Alliance Machine Company, The. (See Kendall, David, assignor.)
Alliance Production Corporation. (See Kaufman, Joseph S., assignor.)
Allié, Emile, Paris, France. Forcing-proof drop-stopper. No. 1,264,745; Apr. 30; v. 249; p. 1160.
Allié, Emile L., Paris, France. Sprinkling-stopper. No 1,257,173; Feb. 19; v. 247; p. 678.
Alling, E Roy, Sodus, N. Y. Labeling-machine. No. 1,284,547; Nov. 12; v. 256; p. 317.
Allingham, Elliott, Toronto, Ontario, Canada. Slip connection for dental bridgework. No. 1,271,531; July 9; v. 252; p. 251.
Allion, George B., Willis, Mich. Antivermin poultry-perch having adjustable plugs. No. 1,263,015; Apr. 16; v. 249; p. 630.
Allis, Burton W., Garnett, Kans. Cooking utensil. No. 1,273,119; July 23; v. 252; p. 749.
Allis-Chalmers Company. (See Newhouse, Ray C., assignor.)
Allis-Chalmers Manufacturing Company. (See Barr, Joseph C., assignor.)
Allis-Chalmers Manufacturing Company. (See Brown, Arthur J., assignor.)
Allis-Chalmers Manufacturing Company. (See Cheney, Herbert W., assignor.) (Reissue.)
Allis-Chalmers Manufacturing Company. (See Davis and Williamson, assignors.)
Allis-Chalmers Manufacturing Company. (See De Wein George F., assignor.)
Allis-Chalmers Manufacturing Company. (See George, Edgar C., assignor.)
Allis-Chalmers Manufacturing Company. (See Holthoff, Henry C., assignor.)
Allis-Chalmers Manufacturing Company. (See Johnson, John L., assignor.)
Allis-Chalmers Manufacturing Company. (See Knight, Earle R., assignor.)
Allis-Chalmers Manufacturing Company. (See Lieber, William H., assignor.)
Allis-Chalmers Manufacturing Company. (See Lincoln, Charles S., assignor.)
Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)
Allis-Chalmers Manufacturing Company. (See Phillips, Leo A., assignor.)
Allis-Chalmers Manufacturing Company. (See Ringland, George L., assignor.)
Allis-Chalmers Manufacturing Company. (See Smith, Reginald F., assignor.)
Allis-Chalmers Manufacturing Company. (See Sprado, Carl G., assignor.)
Allis-Chalmers Manufacturing Company. (See Steen, Halfdan A., assignor.)
Allis-Chalmers Manufacturing Company. (See Tobiessen, Emanuel, assignor.)
Allis-Chalmers Manufacturing Company. (See Trout, William H., assignor.)
Allis-Chalmers Manufacturing Company. (See Williamson, Robert B., assignor.)
Allison, Albert J., assignor to The A. A. Simonds Sons Company, Dayton, Ohio. Roll for beating-engines. No. 1,273,982; July 30; v. 252; p. 1021.
Allison, Clarence H., Chicago, Ill. Liquid-fuel burner. No. 1,284,033; Nov. 5; v. 256; p. 156.
Allison, Claude W., St. Louis, Mo. File-box. No. 1,257,299; Feb. 26; v. 247; p. 751.
Allison, Daniel K., assignor to The J. H. Day Company, Cincinnati, Ohio. Pan-registering mechanism for cracker-cutting machines. No. 1,277,678; Sept. 3; v. 254; p. 96.
Allison, Daniel K., assignor to The J. H. Day Company, Cincinnati, Ohio. Cracker-cutting machine. No. 1,285,577; Nov. 26; v. 256; p. 656.
Allison, Daniel K., assignor to The J. H. Day Company, Cincinnati, Ohio. Machine for weighing water. No. 1,287,567; Dec. 10; v. 257; p. 375.
Allison, David S., Salt Lake City, Utah. Automatic-dumping mining-car and tipple. No. 1,278,551; Sept. 10; v. 254; p. 355.
Allison, Earnest J., Whitefish, Mont. Switch. No. 1,287,568; Dec. 10; v. 257; p. 375.
Allison & Hadaway. (See Alexander, Focsaneanu, assignor.)
Allison, Harvey, New York, assignor, by mesne assignments, to The Commercial Research Company, Long Island City, N. Y. Apparatus for correcting distortion in moving pictures and similar projections. No. 1,259,711; Mar. 19; v. 248; p. 577.
Allison, John W. (See McNeil, James W., assignor.)
Allison, Mathew A., Canebrake, W. Va. Sprag. No. 1,278,819; Sept. 17; v. 254; p. 458.
Allison, Thomas C. (See Bates and Allison.)
Allison, William E. (See Brock and Allison.)
Allith Prouty Company. (See Older, Roy B., assignor.)
Allmand, John T., Detroit, Mich. Handle assembly. No. 1,278,552; Sept. 10; v. 254; p. 355.
Allmand, John T., assignor to Fisher Body Corporation, Detroit, Mich. Cord attachment. No. 1,263,725; Apr. 23; v. 249; p. 846.
Allmand, John T., assignor to Fisher Body Corporation, Detroit, Mich. Molding for automobile doors. No. 1,278,085; Sept. 10; v. 254; p. 231.
Allmand, John T., assignor to Ternstedt Manufacturing Co., Detroit, Mich. Automobile-door lock. No. 1,278,553; Sept. 10; v. 254; p. 355.
Allmand, John T., assignor to Ternstedt Manufacturing Co., Detroit, Mich. Window-steadying device. No. 1,287,606; Dec. 17; v. 257; p. 415.
Allmand, John T., and John D. Lawrence, assignors to Ternstedt Manufacturing Co., Detroit, Mich. Counterbalancing-spring for window-lifters. No. 1,278,554; Sept. 10; v. 254; p. 356.
Allott, James R. L., and E. Dean, Kidsgrove, Stoke-upon-Trent, England. Means for arresting vehicles on inclined railways. No. 1,254,297; Jan. 22; v. 246; p. 910.
Allshouse, Harry R., Cleveland, Ohio. Reinforced wooden article. No. 1,284,207; Nov. 12; v. 256; p. 231.
Allspach, Charlotte E., Ubee, Ind. Chicken-brooder. No. 1,257,063; Feb. 19; v. 247; p. 647.
Allsteadt, John E. (See Christopher, Keith, Allsteadt, Einsel, and Pelander.)
Alltree, Arthur, Manchester, England. Slide-valve internal-combustion engine. No. 1,262,158; Apr. 9; v. 249; p. 360.
Almen-Crosby Motors Co. (See Almen, John O., assignor.)
Almen, John O., assignor to Almen-Crosby Motors Co., Inc., Seattle, Wash. Engine. No. 1,255,973; Feb. 12; v. 247; p. 289.
Almetal Manufacturing Company, The. (See Nunn, Nevvens N., assignor.)

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Almetal Manufacturing Company, The. (See Thompson, Nathan D., Jr., assignor.)
Almfelt, Karl J. (See Hart and Almfelt.)
Almquist, John, and F. Burton, Petaluma, Cal. Illuminating sidewalk-sign. No. 1,272,177; July 9; v. 252; p. 433.
Almy, Almon, Bellefontaine, Ohio. Oil-burner. No. 1,265,867; May 14; v. 250; p. 303.
Alonzo, John, Deborgia, Mont. Railway-frog. No. 1,273,983; July 30; v. 252; p. 1021.
Alonzo, John, Deborgia, Mont. Railway-switch. No. 1,273,984; July 30; v. 252; p. 1021.
Alpaugh, Clifford J., Trenton, N. J. Fuse-plug. No. 1,277,679; Sept. 3; v. 254; p. 96.
Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Stoker-driving mechanism. No. 1,271,649; July 9; v. 252; p. 285.
Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Locomotive-stoker. No. 1,277,352; Sept. 3; v. 254; p. 4.
Alpha Manufacturing Company. (See Hirsch, Alcan and M., assignors.)
Alpi, Richard E., New York, N. Y. Machine for rendering fur-skins pliable. No. 1,279,376; Sept. 17; v. 254; p. 608.
Alpine, John, Stevens Point, Wis. Fourdrinier machine. No. 1,275,826; Aug. 13; v. 251; p. 440.
Alquist, S. P. (See White, George P., assignor.)
Alquist, Sven P. (See Hartough, Edward W., assignor.)
Alquist, Sven P., Denison, Tex., assignor of nine-twentieths to W. L. Kellogg, Parsons, Kans., and two-twentieths to A. S. Barrows, Chicago, Ill. Grain-door. No 1,260,251; Mar. 19; v. 248; p. 732.
Alsenz, Julius, Palisades Park, N. J., assignor to The Cushman & Denison Manufacturing Co., New York, N. Y. Self-inking stamp. No. 1,279,959; Sept. 24; v. 254; p. 796.
Alsman, William C., assignor to Sullivan Manufacturing Company, Sullivan, Ind. Mine-cage. No. 1,260,290; Mar. 26; v. 248; p. 777.
Alsobrook, Francis L., Alamo, Tenn. Water-heater. No. 1,275,193; Aug. 13; v. 253; p. 266.
Alsop, Samuel, New York, N. Y. Ignition apparatus. No. 1,289,595; Dec. 31; v. 257; p. 957.
Alspaugh, James S., Portsmouth, Ohio. Automatic gear-shift control. No. 1,257,064; Feb. 19; v. 247; p. 647.
Alsted, Edward P., Truesdell, Wis. Attrition-mill. No. 1,255,845; Feb. 12; v. 247; p. 252.
Altenberg, Alfons, Piqua, Ohio. Rear-axle driving mechanism for automobiles. No. 1,255,271; Feb. 5; v. 247; p. 45.
Altenberg, Alfons, Racine, Wis. Wheeled machine. No. 1,273,985; July 30; v. 252; p. 1021.
Altenberg, George P., assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Lunch-kit. No. 1,276,852; Aug. 27; v. 253; p. 791.
Altenburg, Reinhart B., Davenport, Iowa. Adjustable tire-rim. No. 1,263,356; Apr. 23; v. 249; p. 745.
Alter, Cecil W. and W. J., Hagerman, N. Mex. Tire-vulcanizer. No. 1,273,124; July 23; v. 252; p. 751.
Alter, John H., Conneaut, Ohio. Cut-off adjuster for power-operated reversing-gear. No. 1,278,820; Sept. 17; v. 254; p. 458.
Alter, Wilton J. (See Alter, Cecil W. and W. J.)
Altgelt, Herman E., New Braunfels, Tex. Tractor. No. 1,263,726; Apr. 23; v. 249; p. 846.
Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow structure. No. 1,266,752; May 21; v. 250; p. 580.
Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow structure. No. 1,266,753; May 21; v. 250; p. 580.
Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow structure. No. 1,266,754; May 21; v. 250; p. 580.
Althause, Norman K., New York, N. Y. Rotary internal-combustion engine. No. 1,282,518; Oct. 22; v. 255; p. 754.
Alther, William K., Jersey City, N. J. Water-wings. No. 1,262,296; Apr. 9; v. 249; p. 397.
Althouse, Charles S., Reading, Pa. Singeing stockings. No. 1,269,148; June 11; v. 251; p. 322.
Altman, Elmer F., Minneapolis, assignor to A. J. Peterson, Isanti, Minn. Feeder for threshing-machines. No. 1,261,338; Apr. 2; v. 249; p. 99.
Altman, Emil, Brooklyn, N. Y. Eye-protector. No. 1,282,723; Oct. 29; v. 255; p. 837.
Altorfer, Alpheus W., Roanoke, Ill. Driving mechanism. No. 1,269,573; June 18; v. 251; p. 470.
Altorfer, Alpheus W., Roanoke, assignor to Power Washing Machine Co., Peoria, Ill. Driving mechanism. No. 1,251,854; Jan 1; v. 246; p. 125.
Altvater, Clarence A., Ogden, Alberta, Canada. Automobile traction-wheel attachment. No. 1,268,417; June 4; v. 251; p. 99.
Alverson, Lewis, Abilene, Tex., assignor to M. O. Shoop, St. Paul, Minn. Wire-fence-stay machine. No. 1,264,746; Apr. 30; v. 249; p. 1161.
Alveson, Levi. (See Alveson, Magnus, L., and L.)
Alveson, Loman. (See Alveson, Magnus, L., and L.)
Alveson, Magnus, L., and L., Duluth, Minn. Luggage-carrier for motor-vehicles. No. 1,280,362; Oct. 1; v. 255; p. 69.
Alvey, Benjamin H., Louisville, Ky. Automobile-top. No. 1,251,731; Jan. 1; v. 246; p. 87.
Alvey, Benjamin H., Elizabethtown, Ky., assignor to Universal Conveying Machinery Corporation, New York, N. Y. Rotary steam-engine. No. 1,283,614; Nov. 5; v. 256; p. 46.
Alvey-Ferguson Company, The. (See Alvey, John M., assignor.)
Alvey-Ferguson Company, The. (See Bernheim, Elbridge P., assignor.)
Alvey-Ferguson Company, The. (See Bernheim, Morris U., assignor.)
Alvey, John M., Louisville, Ky., assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Conveyer. No. 1,268,663; June 4; v. 251; p. 169.
Alvis, James T., Fort Worth, Tex. Tube-vulcanizing apparatus. No. 1,260,291; Mar. 26; p. 248; p. 777.
Alvord, Edward C., Chicago, Ill. Combined thimble and thread-cutter. No. 1,288,791; Dec. 24; v. 257; p. 735.
Alwart, Paul J., Chicago, Ill. Screening apparatus. No. 1,284,034; Nov. 5; v. 256; p. 156.
Always Ready Ironing Board Co. (See Magarrell, William E., assignor.)
Amalgamated Machinery Corporation. (See Yeomans, Lucien I., assignor.)
Aman, Frank A., Cincinnati, Ohio. Roller-coaster. No. 1,253,768; Jan. 15; v. 246; p. 739.
Aman and Sandmann. (See Brigel, Leo A., assignor.)
Amans, Louis N., and J. C. Gifford, Alberton, Mont. Antislipping device and tire-protector with tightener for pneumatic-tire wheels. No. 1,284,548; Nov. 12; v. 256; p. 317.
Amberg, Walter E., assignor to Chicago Steel Post Co., Chicago, Ill. Attaching fence-wires. No. 1,278,413; Sept. 10; v. 254; p. 318.
Amberg, Walter E., assignor to The Chicago Steel Post Co., Chicago, Ill. Fence-wire-fastening device. No. 1,286,488; Dec. 3; v. 257; p. 76.
Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Vehicle. No. 1,259,195; Mar. 12; v. 248; p. 400.
Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Vehicle. No. 1,262,904; Apr. 16; v. 249; p. 597.
Ambler, James A., Natick, Mass. Stencil-sheet. No. 1,288,792; Dec. 24; v. 257; p. 735.
Ambler, Paul C. (See Tharp and Ambler.)
Ambrose, Thomas P., Cincinnati, Ohio. Smoker's device. No. 1,256,636; Feb. 19; v. 247; p. 522.
Ambruson, Henrik J., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,252,642; Jan. 8; v. 246; p. 382.
Ambursen, Nils F., Newton, assignor to The Uni-Form Company, Boston, Mass. Apparatus for constructing concrete floors. No. 1,278,086; Sept. 10; v. 254; p. 231.
Ambursen, Nils F., Newton, assignor to The Uni-Form Company, Boston, Mass. Apparatus for constructing concrete floors. No. 1,278,087; Sept. 10; v. 254; p. 231.
Ambursen, Nils F., Newton Highlands, assignor to The Uni-Form Company, Boston, Mass. Apparatus for constructing concrete floors. No. 1,278,286; Sept. 10; v. 254; p. 285.
Ambursen, Nils F., Newton Highlands, assignor to The Uni-Form Company, Boston, Mass. Apparatus for constructing concrete floors. No. 1,289,069; Dec. 31; v. 257; p. 825.
Amdursky, Samuel S., Rochester, N. Y. Drying apparatus. No. 1,286,195; Dec. 3; v. 257; p. 3.
Amend, Gus H., Des Moines, Iowa. Display-case. No. 1,276,606; Aug. 20; v. 253; p. 690.
Amend, Judson F., Portland, Oreg. Windmill toy. No. 1,274,132; July 30; v. 252; p. 1063.
Ament, Anson B., Oakland, Cal. Ditch-cleaner. No. 1,278,555; Sept. 10; v. 254; p. 356.
America, Richard F., Philadelphia, Pa. Detachable flag-staff-holder. No. 1,281,748; Oct. 15; v. 255; p. 505.
American Assembling Machine Company. (See Juengst, Charles A., assignor.)
American Assembling Machine Company. (See Story, Ward B., assignor.)
American Auto Lock Company. (See Alexander, James W., assignor.)
American Automatic Soda Fountain Company. (See Wooten, Marion F., assignor.)
American B. H. P. Aero Engine Corporation. (See Pullinger, Thomas C. W., assignor.)
American Balsa Corporation. (See Lundin and Broady, assignors.)
American Bank Note Company. (See Eaton, William S., assignor.)
American Bank Note Company. (See Smith, Amos H., assignor.)
American Banking Machine Corporation. (See Hosking, Richard T., assignor.)
American Barking Drum Company. (See Berger and Guettler, assignors.)
American Barking Drum Company. (See Guettler, Herbert, assignor.)
American Beet Harvester Company. (See Beale and Knight, assignors.)
American Brake Company, The. (See Burton, Thomas L., assignor.)

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American Brake Company, The. (See Burton and Wahlert, assignors.)
American Brake Company, The. (See Schwentler, Francis E., assignor.)
American Brake Company, The. (See Wahlert, Henry A., assignor.)
American Broom and Brush Co. *et al.* (See Weymer, August F., assignor.)
American Buckle Co., The. (See Hartshorn, Henry A., assignor.)
American Buckle Co. (See Hertz, Monfred, assignor.)
American Bureau of Engineering Inc. (See Manly, Harold P., assignor.)
American Burner Company. (See Smith, George W., assignor.)
American Button & Fastener Company, The. (See Elliott, William E., assignor.) (Reissue.)
American Can Company. (See Dillon, Laurence F., assignor.)
American Can Company. (See Eberhart, Felix, assignor.)
American Can Company. (See Fleischer, Paul W., assignor.)
American Can Company. (See Ford, Ben K., assignor.)
American Can Company. (See Foss, Fred G., assignor.)
American Can Company. (See Geary, James H., assignor.)
American Can Company. (See Graf, Henry, assignor.)
American Can Company. (See Graham, Charles W., assignor.)
American Can Company. (See Gray, James A., assignor.)
American Can Company. (See Harbeck, Jervis R., assignor.)
American Can Company. (See Hodgson, John G., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Kannenberg, Baldwin H., assignor.)
American Can Company. (See Leighton, George A., assignor.)
American Can Company. (See Schoettel, Alfred G., assignor.)
American Can Company. (See Sellars, William S., assignor.)
American Can Company. (See Stollberg, Charles, assignor.)
American Can Company. (See Taylor, William E., assignor.)
American Can Company. (See Thornburgh, Ivan D., assignor.)
American Can Company. (See Wardell, William J., assignor.
American Can Company. (See Weber, George W., assignor.)
American Can Company. (See Wood, Frederick P., assignor.)
American Can Company. (See Young, John M., assignor.)
American Canning Corporation (See Sibley, Rupert R., assignor.)
American Car and Foundry Company. (See Bateman, Paul, assignor.)
American Car and Foundry Company. (See Cherbonnier, George C., assignor.)
American Car and Foundry Company. (See Gibbs, Frederick H., assignor.)
American Car and Foundry Company. (See Hervig, Richard, assignor.)
American Car and Foundry Company. (See Johnson, Warren V., assignor.)
American Car and Foundry Company. (See Long, Frederick R., assignor.)
American Car and Foundry Company. (See McDowell, John L., assignor.)
American Car and Foundry Company. (See Ostrander, Allen E., assignor.)
American Car and Foundry Company. (See Rohlfing, John M., assignor.)
American Car and Foundry Company. (See Stevenson, Frederick A., assignor.)
American Caster Company, The. (See Malloy, Edward T., assignor.)
American Chain Company. (See Phelps, Dexter E., assignor.)
American Chain Company. (See Reyburn, John R., assignor.)
American Chain Company. (See Weed, Harry D., assignor.)
American Circular Loom Company. (See Lutz, George A., assignor.)
American Concrete Forms Company. (See Furry, William C., assignor.) (Reissue.)
American Conduit Manufacturing Company. (See Abbott, Chauncey W., assignor.)
American Conduit Manufacturing Company, The. (See Murphy, Daniel H., assignor.)
American Cone Company. (See Hamwi, Ernest A., assignor.)
American Cyanamid Company. (See Cox, George E., assignor.)
American Cyanamid Company, The. (See Eastman, Hal P., assignor.)
American Cyanamid Company. (See Freeman, Horace, assignor.)
American Dan Stopper Company. (See Nordstrom, Elof, assignor.)
American District Telegraph Company. (See Marshall, Frank M., assignor.)
American Electric Company. (See Burns, Peter C., assignor.)
American Electric Company. (See Kideney, William W., assignor.)
American Electrical Heater Company. (See Kuhn and Hand, assignors.)
American Electrical Heater Company. (See Kuhn and Shailor, assignors.)
American Engineering Company. (See Alpern, Maxwell, assignor.)
American Felt Company. (See Butler, James A., assignor.)
American Fire Prevention Bureau. (See Derby and Clayton, assignors.)
American Flyer Manufacturing Company. (See Vaughan, Thomas M., assignor.)
American Fork and Hoe Company, The. (See Cowdery, Robert H., assignor.)
American Gas and Incinerator Company. (See McDonald, John U., assignor.)
American Graphophone Company. (See Beadle, George W., assignor.)
American Graphophone Company. (See Hinckley and Graham, assignors.)
American Graphophone Company. (See Larsen, Louis G., assignor.)
American Graphophone Company. (See Steventon, Thomas, assignor.)
American Graphophone Company. (See Woods, Clinton E., assignor.)
American Graphophone Company. (See Woods and Hinckley, assignors.)
American Hardware Corporation, The. (See Arens, August, assignor.)
American Hardware Corporation. (See Henry, William K., assignor.)
American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
American High Speed Press Company. (See Sinnott, Gilbert J., assignor.)
American Hoist & Derrick Co. (See Crosby, Oliver, assignor.)
American Ice Company. (See Reuschline, George L., assignor.)
American Ingenuities Corporation, The. (See Bateson, Pierre L., assignor.)
American Iron and Steel Alloy Company. (See Wheeler, Laban H., assignor.)
American Kron Scale Company. (See Barrett, Joseph C., assignor.)
American La France Fire Engine Company. (See Mork, Harry S., assignor.)
American Lace Mfg. Co. (See Hucknall, Hage W., assignor.)
American Lacing Hook Co. (See Havener, Arthur R., assignor.)
American Laundry Machinery Co. (See Kane and Couch, assignors.)
American Laundry Machinery Company, The. (See Braley, Charles L., assignor.)
American Laundry Machinery Company, The. (See Cutter, Edward I., assignor.)
American Laundry Machinery Company, The. (See Daly, Michael, assignor.)
American Laundry Machinery Company, The. (See Hagen, Arthur T., assignor.)
American Laundry Machinery Company. (See Hecker, Hugo A., assignor.)
American Laundry Machinery Company, The. (See Lyon, Robert V., assignor.)
American Laundry Machinery Company, The. (See Miller, Ernest W., assignor.)
American Laundry Machinery Company, The. (See Prestwich and Speller, assignors.)
American Linen Fibre Company. (See Cooke, Clayton G., assignor.)
American Linen Supply Company. (See Steiner, George A., assignor.)
American Lithographic Company. (See Carter, Willis M., assignor.)
American Lithographic Company. (See Warga, Kalman, assignor.)
American Locomotive Company. (See Mellin, Carl J., assignor.)
American Machine & Foundry Company. (See Leary, James W., assignor.)
American Machine & Foundry Company. (See Prescott, Sydney I., assignor.)
American Machine & Foundry Company. (See Smith, Elberon D., assignor.)
American Magnesium Corporation. (See Seward, George O., assignor.)
American Manganese Steel Company. (See McKee, Walter S., assignor.)

Alphabetical list of patentees—Continued.

American Manganese Steel Company. (See Nichols, Wesley G., assignor.)
American Manganese Steel Company. (See Whitcraft, Arthur, assignor.)
American Marine Equipment Corporation. (See Davis, Howard C., assignor.)
American Mason Safety Tread Company. (See Gamble, Porter, and Desrochers, assignors.)
American Mechanical Improvement Company. (See Slate, Thomas B., assignor.)
American Metal Cap Co. (See Hammer, Charles, assignor.)
American Meter Company. (See Kerstein, Ernest A., assignor.)
American Model and Instrument Company. (See Emmerling, Wheelock, and Rohland, assignors.)
American Moistening Company. (See Comins, Frank B., assignor.)
American Molding Machine Co. (See Norcross, William C., assignor.)
American Mono Service Company. (See Taylor, Elmer Z., assignor.)
American Morgan Company. (See Morgan, Edmund C., assignor.)
American Multigraph Company, The. (See Allen, William R., assignor.)
American Multigraph Company, The. (See Reichert, Gabriel A., assignor.)
American Multigraph Company, The. (See Trundle, George T., assignor.)
American Newsvender Corporation, The. (See Hotaling, Omar J., assignor.)
American Nitro-Products Company. (See Brownlee and Uhlinger, assignors.)
American Optical Company. (See Arnold, Arthur A., assignor.)
American Optical Company. (See Baker and Styll, assignors.)
American Optical Company. (See Bugbee, Lucian W., assignor.)
American Optical Company. (See Bugbee and Day, assignors.)
American Optical Company. (See Bugbee and Tillyer, assignors.)
American Optical Company. (See Cady, Henry C., assignor.)
American Optical Company. (See Day, George H., assignor.)
American Optical Company. (See Day and Styll, assignors.)
American Optical Company. (See Gagnon, Leo O., assignor.)
American Optical Company. (See Gordon, Robert L., assignor.)
American Optical Company. (See Greene, Willard B., assignor.)
American Optical Company. (See Laabs, Max A., assignor.)
American Optical Company. (See McKinstry, Arthur L., assignor.)
American Optical Company. (See Moore, William N., assignor.)
American Optical Company. (See Poeton, Lawrence, assignor.)
American Optical Company. (See Poeton and Wells, assignors.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Optical Company. (See Styll, Harry H., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Optical Company (See Tillyer and Bishop, assignors.)
American Optical Company. (See Tully, George L., assignor.)
American Optical Company. (See Tully and Herbert, assignors.)
American Ore Reclamation Company. (See Yost, Frederick W., assignor.)
American Pad and Textile Company, The. (See Edmonson, Ellis G., assignor.)
American Paper Goods Company, The. (See Reynal, Louis S., assignor.)
American Photo Player Company. (See Van Valkenburg, Burt R., assignor.)
American Piano Company. (See Borcyk, Anthony W., assignor.)
American Piano Company. (See Chase, Joseph H., assignor.)
American Piano Company. (See Russell, Guy M., assignor.)
American Piano Company. (See Sandlas, Henry J., assignor.)
American Piano Company. (See Vant, Albert B., assignor.)
American Postage Meter Co. (See Woodward, Irving C., assignor.)
American Pressweld Radiator Corporation. (See Singer, Frank J., assignor.)
American Products Company, The. (See Hodge and Ruggles, assignors.)
American Products Company. (See Ruggles, Henry B., assignor.)
American Projecting Company. (See Stechbart, Bruno, assignor.)
American Propeller and Manufacturing Company. (See Heath, Spencer, assignor.)
American Pulley Company, The. (See Bowen, Russell H., assignor.)
American Pulverizer Company. (See Knittel, Paul S., assignor.)
American Radiator Company. (See Howell, Frank B., assignor.)
American Radiator Company. (See Landon, Archer A., assignor.)
American Radiator Company. (See Sutton, William S., assignor.)
American Railways Equipment Company, The. (See Whistler, David B., assignor.)
American Rubber Company. (See Comstock, Allen L., assignor.)
American Rubber Company. (See Stuart, Charles J., assignor.)
American Safety Explosives Company. (See Kennedy and Bailey, assignors.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Sanitary Works. (See Florey, Tilghman, J., assignor.)
American Seeding Machine Company, The. (See Faas and Braley, assignors.)
American Shop Equipment Co. (See Tierney, James S., assignor.)
American Signal Company. (See Burgess, Yorke, assignor.)
American Skate & Manufacturing Company. (See Printz, Daniel F., assignor.)
American Sleeve-Valve Motor Company. (See Pirscher, Ernest A., assignor.)
American Sleeve-Valve Motor Company. (See Williams and Witt, assignors.)
American Smelting & Refining Company. (See Cameron, Cullen and Hyde, assignors.)
American Stay Company. (See Merrick, Frank W., assignor.)
American Steam Conveyor Corporation. (See Daviess, James A., assignor.)
American Steam Conveyor Corporation. (See Girtanner, Alexander, assignor.)
American Steam Conveyor Corporation. (See Girtanner and Miller, assignors.)
American Steam Conveyor Corporation. (See Griffin, Lorne A., assignor.)
American Steam Conveyor Corporation. (See Griffin and Vanderlip, assignors.)
American Steam Conveyer Corporation. (See Webster, Towner K., Jr., assignor.)
American Steam Gauge & Valve Manufacturing Company. (See Manning, Francis J., assignor.)
American Steam Gauge & Valve Manufacturing Company. (See Young, Charles D., assignor.)
American Steel Foundries. (See Bauer, Carl E., assignor.)
American Steel Foundries. (See Bender, Frederic H., assignor.)
American Steel Foundries. (See Carscadin and Woodman, assignors.)
American Steel Foundries. (See Hammond, Robert S., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Kayler, Frank H., assignor.)
American Steel Foundries. (See Lamont, John A., assignor.)
American Steel Foundries. (See Peycke, Armand H., assignor.)
American Steel Foundries. (See Whitney, Loren L., assignor.)
American Steel Window Company. (See Johnson, Allan W., assignor.)
American Steel and Wire Company of New Jersey, The. (See Dailey, Charles I., assignor.)
American Steel and Wire Company of New Jersey, The. (See Sturdevant, Charles R., assignor.)
American Stove Company. (See Child, Guy B., assignor.)
American Stove Company. (See Clark, Robert K., assignor.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Stove Company. (See Munzner, Charles, assignor.)
American Stove Company. (See Parpert, Herman, assignor.)
American Stove Company. (See Parpert, Boekenkamp, and Stockstrom, assignors.)
American Stove Company. (See Possons, Minard A., assignor.)
American Stove Company. (See Ruppel, Henry, assignor.)
American Sugar Refining Company. (See Drury and Folsom, assignors.)
American Tar Company. (See Price, Charles P., assignor.)

Alphabetical list of patentees—Continued.

American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
American Telephone and Telegraph Company. (See Blackwell, Otto B., assignor.)
American Telephone and Telegraph Company. (See Campbell, George A., assignor.)
American Telephone and Telegraph Company. (See Darrow, Leo H., assignor.)
American Telephone and Telegraph Company. (See Demarest, Charles, assignor.)
American Telephone and Telegraph Company. (See Demarest, Charles S., assignor.)
American Telephone and Telegraph Company. (See Espenschild, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Kuhn, George W., assignor.)
American Telephone and Telegraph Company. (See Martin, William H., assignor.)
American Telephone & Telegraph Company. (See Nicolson, Alexander M., assignor.)
American Telephone and Telegraph Company. (See Shaw, Thomas, assignor.)
American Telephone and Telegraph Company. (See Shaw and Koukol, assignors.)
American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
American Telephone and Telegraph Company. (See Toomey and Read, assignors.)
American Telephone and Telegraph Company. (See Williams, Harry C., assignor.)
American Textile Manufacturing Company, The. (See Knapp, Howard H., assignor.)
American Thermos Bottle Company. (See Visscher, Charles R. H., assignor.)
American Thread Company, The. (See Clark, Robert K., assignor.)
American Thread Company. (See Curry, Malcolm, assignor.)
American Thread Company. (See Hardman, Peter, assignor.)
American Tobacco Co. (See Tuck, Bennett J., assignor.)
American Tobacco Company. (See Penn, Charles A., assignor.)
American Tobacco Company, The. (See Pinney, Henry J., assignor.)
American Tobacco Company, The. (See Vale, Alfred G., assignor.)
American Tool Works Company, The. (See Robinson and Sosa, assignors.)
American Tool Works Company. (See Sosa and Winters, assignors.)
American Type Founders Company. (See Benton, Morris F., assignor.)
American Type Founders Company. (See Bullen, Henry L., assignor.)
American Type Founders Company. (See Hay and Marder, assignors.)
American Utilities Company. (See Barnes, Edward M., assignor.)
American Valve & Meter Company, The. (See Anderson, Frank C., assignor.)
American Vulcanized Fibre Co. (See Pierce, James F., assignor.)
American Wagon Company. (See Kuhnen, Alexander F., assignor.)
American Warp Drawing Machine Company. (See Field, Millard F., assignor.)
American Warp Drawing Machine Company. (See Hathaway and Lea, assignors.)
American Warp Drawing Machine Company. (See Lanning, Charles D., assignor.)
American Warp Drawing Machine Company. (See Matthews, James F., assignor.)
American Warp-Drawing Machine Company. (See Walsh, Thomas P., assignor.)
American Water Heater Company. (See Stewart, William F., assignor.)
American Well Works, The. (See Bodinson, Lars W., assignor.)
American Well Works, The. (See Chapman, Matthew T., assignor.)
American Wood Working Machinery Company. (See Ward, Allen E., assignor.)
American Wringer Company. (See Holaday, Albert E., assignor.)
Amerman, Daniel L., Los Angeles, Cal. Railway-crossing. No. 1,282,519; Oct. 22; v. 255; p. 754.
Amerson, Edward A., Castlewood, S. D. Exhaust-controlled spark-arrester. No. 1,259,820; Mar. 19; v. 248; p. 609.
Ames, Adelbert, Jr., Tewksbury, Mass. Projection apparatus. No. 1,263,016; Apr. 16; v. 249; p. 630.
Ames, Adelbert, Jr., Tewkesbury, Mass. Reflector. No. 1,280,626; Oct. 8; v. 255; p. 168.
Ames, Arthur N., assignor, by mesne assignments, to Commercial Machine Company, Franklin, N. H. Knit fabric. No. 1,252,983; Jan. 8; v. 246; p. 481.
Ames, Bliss C., Waltham, Mass., assignor to The E. Ingraham Co., Bristol, Conn. Unbreakable concavo-convex compression-crystal. (Reissue.) No. 14,458; Apr. 9; v. 249; p. 488.
Ames, Butler, Lowell, Mass. Razor. (Reissue.) No. 14,551; Nov. 19; v. 256; p. 615.
Ames, Clarence F., Akron, Ohio. Core. No. 1,279,214; Sept. 17; v. 254; p. 562.
Ames, Edward, Toledo, Ohio. Dirigible-headlight structure. No. 1,283,020; Oct. 29; v. 255; p. 921.
Ames, Frederic A. (See Smith and Ames.)
Ames Holden McCready, Limited. (See Mullarky, Michael C., assignor.)
Ames Iron Works. (See Gaskill, Joseph C., assignor.)
Ames, John M., *et al.* (See Hyle and Herman, assignors.)
Ames, Leroy A., *et al.* (See Wolfard, Merl R., assignor.)
Ames, Robert Y., Gidea Park, Essex, and W. Haywood, Birminghan, England. Roofing-tile. No. 1,251,950; Jan. 1; v. 246; p. 150.
Ames, Stephen, and T. Lovelady, Oklahoma, Okla. Machine for making fence-stays. No. 1,275,517; Aug. 13; v. 253; p. 354.
Ames, Warren, Waltham, Mass. Indicating-calipers. No. 1,259,196; Mar. 12; v. 248; p. 400.
Amet, Edward H., Redondo Beach, Cal. Means for translating wave impulses. No. 1,274,661; Aug. 6; v. 253; p. 92.
Amick, Charles N., Stewartsville, Ind. Collapsible box. No. 1,257,571; Feb. 26; v. 247; p. 831.
Amis, Henry C., Stanfield, Oreg. Draft-rigging. No. 1,255,683; Feb. 5; v. 247; p. 165.
Amlie, Paul W., Binford, N. D. Game apparatus. No. 1,279,634; Sept. 24; v. 254; p. 702.
Ammand, Herman, Glacier Park, Mont. Milk-releasing device. No. 1,281,259; Oct. 15; v. 255; p. 373.
Ammann, Henry A. (See Grey, William S., assignor.)
Ammann, Henry A., assignor to Diamond Individual Towel System Co., Spokane, Wash. Individual-towel device. No. 1,258,733; Mar. 12; v. 248; p. 266.
Ammann, Henry A., assignor to Diamond Individual Towel System Co., Spokane, Wash. Individual-towel-rack structure. No. 1,284,549; Nov. 12; v. 256; p. 318.
Ammen, Francis D., St. Louis, Mo. Animal-trap and toy. No. 1,286,898; Dec. 10; v. 257; p. 209.
Amo, Earl J., Malone, N. Y. Curtain-bracket. No. 1,268,810; June 11; v. 251; p. 229.
Amo, Robert G., St. Louis, Mo. Device for preventing leakage of lubricant from motor-vehicle axles. No. 1,252,984; Jan. 8; v. 246; p. 481.
Amodio, Roberto, assignor to Airless Auto Wheel & Tire Company, Inc., Rochester, N. Y. Vehicle-wheel. No. 1,266,089; May 14; v. 250; p. 366.
Amphion Piano Player Company, The. (See Doman, Lewis B., assignor.)
Ampt, Charles F., Wyoming, Ohio. Food product and method of preparing same. No. 1,261,995; Apr. 9; v. 249; p. 315.
Ampt, Charles F., Wyoming, Ohio. Food. No. 1,261,996; Apr. 9; v. 249; p. 315.
Amrein, August, Amsterdam, N. Y. Machine for printing fibrous substances. No. 1,252,985; Jan. 8; v. 246; p. 481.
Ams, Charles M. (See Arndt, Henry P., assignor.)
Amsden, George A., Littleton, assignor to The Lamson Company, Boston, Mass. Carrier for cable-carrier systems. No. 1,258,385; Mar. 5; v. 248; p. 126.
Amsden, George A., Littleton, and R. P. Kidder, Lowell, assignors to The Lamson Company, Boston, Mass. Drop-station for cable-carrier apparatus and the like. No. 1,258,384; Mar. 5; v. 248. p. 126.
Amundson, Amund, Bellingham, Wash. Handle for cross-cut-saws. No. 1,268,664; June 4; v. 251; p. 169.
Amyot, Adelard, Montreal, Quebec, Canada. Show-case or refrigerator. No. 1,257,300; Feb. 26; v. 247; p. 751.
Anable, Frederick S., Brookline, Mass., assignor to National Binding Machine Company, Boston, Mass. Strip-serving device. No. 1,279,960; Sept. 24; v. 254; p. 796.
Anable, Frederick S., Brookline, Mass., assignor to National Binding Machine Company, Boston, Mass. Strip-serving device. No. 1,279,961; Sept. 24; v. 254; p. 797.
Anaconda Copper Mining Company. (See Caples and Frick, assignors.)
Anaconda Copper Mining Company. (See Gillis, Julius H., assignor.)
Anaconda Copper Mining Company. (See Laist, Frederick, assignor.)
Anaconda Copper Mining Company. (See Laist and Elton, assignors.)
Ananson, Richard D., Stirling, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,281,474; Oct. 15; v. 255; p. 433.
Anchor Brake Shoe & Manufacturing Company. (See Ristine and Rowell, assignors.)
Anchor Cap & Closure Corporation. (See Hull, Herbert H., assignor.)
Anchor Cap & Closure Corporation. (See Townsend, Harry E., assignor.)
Anchor Company. (See Bowman, Thomas B., assignor.)
Andelman, Marshall. (See Richards and Andelman.)

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Anderegg, Gustavus A., Oak Park, and W. E. Mougey, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone and telegraph cable. No. 1,271,824; July 9; v. 252; p. 331.
Anderegg, Gustavus A., Oak Park, and W. E. Mougey, Chicago, Ill., assignors to Western Electric Company, New York, N. Y. Telephone and telegraph cable. No. 1,277,025; Aug. 27; v. 253; p. 836.
Anders, Hanns R., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Bleaching. No. 1,251,614; Jan. 1; v. 246; p. 51.
Anders, Hanns R., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Process of and apparatus for treating fibers. No. 1,252,986; Jan. 8; v. 246; p. 481.
Andersen, Albert, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,264,137; Apr. 30; v. 249; p. 991.
Andersen, Albert, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,269,245; June 11; v. 251; p. 350.
Andersen, Alfred E. (See Sperling, Oscar, assignor.)
Andersen, Anders N., Houghsund, Eker, and C. Vig, Skotfos, Norway. Machine for longitudinal grinding of wood logs. No. 1,263,357; Apr. 23; v. 249; p. 745.
Andersen, Carl. (See Westling and Andersen.)
Andersen, Charles C., Chicago, Ill. Support. No. 1,267,618; May 28; v. 250; p. 848.
Andersen, Charles L., East Chicago, Ind. Circulation-control baffle for water-tube boilers. No. 1,257,277; Feb. 19; v. 247; p. 710.
Andersen, Fridtjov, Christiania, Norway. Elastic non-pneumatic tire. No. 1,289,070; Dec. 31; v. 257; p. 826.
Andersen, Johannes, Lillehammer, Norway. Insulating mass especially for electric use. No. 1,285,889; Nov. 26; v. 256; p. 735.
Andersen, Karl A. J., Salem, assignor to T. A. Mulkern, Salt Lake City, Utah. Beet-topping machine. No. 1,266,378; May 14; v. 250; p. 444.
Andersen, Rudolph G., and A. B. C. Hansen, Copenhagen, Denmark. Device in motor-plows. No. 1,281,749; Oct. 15; v. 255; p. 505.
Andersen, William K. (See Malstrom and Andersen.) (Reissue.)
Anderson, Adolph, assignor to Aurora Automatic Machinery Co., Chicago, Ill. Governor mechanism for spring-motors. No. 1,272,595; July 16; v. 252; p. 576.
Anderson, Albert A., North Fond du Lac, Wis. Extension-crutch. No. 1,262,905; Apr. 16; v. 249; p. 598.
Anderson, Albert D., *et al.* (See Anderson, Frank B., assignor.)
Anderson, Albert J., South Pasadena, Cal. Centrifugal amalgamator. No. 1,284,963; Nov. 19; v. 256; p. 460.
Anderson, Albert S., assignor to G. Waldref, St. Paul, Minn. Hydraulic unloader. No. 1,289,596; Dec. 31; v. 257; p. 957.
Anderson, Anders E. (See Quist and Anderson.)
Anderson, Anders G., Los Angeles, Cal. Fireplace-heater. No. 1,287,815; Dec. 17; v. 257; p. 469.
Anderson, Andrew, Crookston, Minn. Combination tool-chest and work-bench. No. 1,287,175; Dec. 10; v. 257; p. 279.
Anderson, Andrew, Cottage Grove, and J. C. Storck, Blooming Grove, Wis. Cultivator-shield. No. 1,284,208; Nov. 12; v. 256; p. 231.
Anderson, Andrew B., and J. L. Petersen, Lake Mills, Iowa. Saw-set. No. 1,258,734; Mar. 12; v. 248; p. 267.
Anderson, Andrew E., Brownsville, Tex. Geometrical instrument. No. 1,260,292; Mar. 26; v. 248; p. 777.
Anderson, Andrew G., Boston, assignor to Carr Fastener Company, Cambridge, Mass. Stud-and-socket fastener. No. 1,268,665; June 4; v. 251; p. 169.
Anderson, Andrew O., *et al.* (See Anderson, Martin E., assignor.)
Anderson, Andrew P., Narberth, Pa. Toy. No. 1,282,724; Oct. 29; v. 255; p. 837.
Anderson, Arnold S., Batavia, Ill. Liquid-container. No. 1,271,988; July 9; v. 252; p. 380.
Anderson, Arthur L., Juneau, Wis. Magnetic lifter for cans. No. 1,251,732; Jan. 1; v. 246; p. 87.
Anderson, Arvid G., Seward, Alaska. Voucher-check. No. 1,260,850; Mar. 26; v. 248; p. 940.
Anderson, August, Seattle, Wash. Saw-oiling device. No. 1,284,035; Nov. 5; v. 256; p. 156.
Anderson, August P., Chicago, Ill. Refrigerating apparatus. No. 1,284,964; Nov. 19; v. 256; p. 460.
Anderson, August P., Chicago, Ill. Refrigerating apparatus. No. 1,284,965; Nov. 19; v. 256; p. 461.
Anderson, Ausfrid L., *et al.* (See Stampka, Paul, assignor.)
Anderson, Axel, St. Paul, assignor to Russell Grader Manufacturing Company, Minneapolis, Minn. Conveyer-belt carrier and tightening device for belts thereon. No. 1,254,014; Jan. 22; v. 246; p. 829.
Anderson, Axel, St. Paul, assignor to Russell Grader Manufacturing Co., Minneapolis, Minn. Steering device. No. 1,256,283; Feb. 12; v. 247; p. 383.
Anderson, Axel E. (See Myers, Melvin A., assignor.)
Anderson, Axel G., assignor to J. A. Swanson, Minneapolis, Minn. Clothes-line fastener. No. 1,259,584; Mar. 19; v. 248; p. 542.
Anderson, Bailey R. (See Brown, Frank O., assignor.)
Anderson-Barngrover Manufacturing Company. (See Baker, John S., assignor.)
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson, Brooke, assignor to Chicago Steel Post Company, Chicago, Ill. Fence-post. No. 1,276,853; Aug. 27; v. 253; p. 791.
Anderson, Calvert E., Rockport, Ind. Hay-distributer. No. 1,261,997; Apr. 9; v. 249; p. 315.
Anderson, Calvert E., Rockport, Ind. Track for hay-distributers. No. 1,268,418; June 4; v. 251; p. 99.
Anderson, Carl, New York, N. Y., and F. M. Ritzmer, West Englewood, N. J., assignors to Carl Anderson Electric Corporation, New York, N. Y. Instrument to aid the hearing. No. 1,284,036; Nov. 5; v. 256; p. 157.
Anderson, Carl E., Winnetka, Ill. Lock. No. 1,263,358; Apr. 23; v. 249; p. 745.
Anderson, Carl E., Duluth, Minn. Nut-lock. No. 1,279,962; Sept. 24; v. 254; p. 797.
Anderson, Carl E., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,273,714; July 23; v. 252; p. 907.
Anderson, Carl O., Lancaster, Pa. Milking-machine. No. 1,266,544; May 21; v. 250; p. 519.
Anderson, Carl O., Springfield, assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Speed-indicator for centrifugal machines. No. 1,278,088; Sept. 10; v. 254; p. 232.
Anderson, Carl S., Chicago, Ill. Antifriction-bearing. No. 1,280,621; Oct. 8; v. 255; p. 167.
Anderson, Carl W., Ishpeming, Mich. Card-holding device. No. 1,285,890; Nov. 26; v. 256; p. 735.
Anderson, Carlos W., Long Beach, Cal. Clutch-pedal-retaining device. No. 1,281,891; Oct. 15; v. 255; p. 544.
Anderson, Charles. (See Dragon and Anderson.)
Anderson, Charles. (See Otto, Watson, Anderson, and Underwood.)
Anderson, Charles A., assignor of twenty-two and five-tenths one-hundredths to E. L. Cook and twenty-two and five-tenths one-hundredths to J. A. Olson, Chicago, Ill. Fluid-pump. No. 1,267,040; May 21; v. 250; p. 659.
Anderson, Charles C., Cedar Rapids, Iowa. Light-weight piston. No. 1,283,021; Oct. 29; v. 255; p. 921.
Anderson, Charles E., Grand Rapids, Mich. Nicotin-still. No. 1,277,817; Sept. 3; v. 254; p. 135.
Anderson, Charles H., Cincinnati, Ohio. Window-sash construction. No. 1,273,715; July 23; v. 252; p. 907.
Anderson, Charles H., Cincinnati, Ohio. Window-sash construction. No. 1,273,716; July 23; v. 252; p. 908.
Anderson, Charles O., *et al.* (See Anderson, Frank B., assignor.)
Anderson, Charles S., assignor of one-fourth to F. J. Knorr, Minneapolis, Minn. Piston-mold-making device. No. 1,262,906; Apr. 16; v. 249; p. 598.
Anderson, Charles T., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical instrument. No. 1,284,966; Nov. 19; v. 256; p. 461.
Anderson, Charles W., Brooklyn, N. Y. Stop mechanism for hod-elevators. No. 1,267,345; May 21; v. 250; p. 743.
Anderson, Chester A., Commerce, Tex. Clothes-line. No. 1,281,475; Oct. 15; v. 255; p. 433.
Anderson, Christopher, Rock Island, Ill. Marking device for corn-planters. No. 1,286,196; Dec. 3; v. 257; p. 3.
Anderson, Clarence A., Abilene, Kans. Telephone toll set. No. 1,252,216; Jan. 1; v. 246; p. 224.
Anderson, Clifford D., Knox Bay, and E. Streng, Vancouver, British Columbia, Canada. Logging-hook. No. 1,273,717; July 23; v. 252; p. 908.
Anderson, Clyde M., assignor to Jamestown Car Parts Manufacturing Company, Jamestown, N. Y. Automobile-radiator-attaching device. No. 1,283,615; Nov. 5; v. 256; p. 46.
Anderson, David, London, England. Shield or protector suitable for the use of soldiers and others. No. 1,256,422; Feb. 12; v. 247; p. 424.
Anderson, David W., Scottsville, Va. Automatic heat-regulating attachment for heaters of various kinds. No. 1,286,489; Dec. 3; v. 257; p. 76.
Anderson, Donald B., Muskegon, Mich. Centrifugal dish-drier. No. 1,260,122; Mar. 19; v. 248; p. 696.
Anderson, Edward, Beechwood, Mich. Rail-plate. No. 1,261,093; Apr. 2; v. 249; p. 29.
Anderson, Edward L., Pittsburgh, Pa. Potash extraction. No. 1,253,560; Jan. 15; v. 246; p. 679.
Anderson, Emil. (See Ostergren, Oscar P., assignor.)
Anderson, Emil, New York, N. Y., assignor to The Universal Turbine Company, Jersey City, N. J. Turbine or impact engine. No. 1,271,825; July 9; v. 252; p. 332.
Anderson, Emil C., Denver, Colo. Locomotive construction. No. 1,273,805; July 30; v. 252; p. 970.
Anderson, Erick G., Spokane, Wash. Water-motor. No. 1,275,355; Aug. 13; v. 253; p. 310.
Anderson, Ernst G., Westfield, N. J., assignor, by mesne assignments, to J. C. Dehls, Brooklyn, N. Y. Automatic musical instrument. No. 1,258,386; Mar. 5; v. 248; p. 126.
Anderson, Evald, assignor to International Precipitation Company, Los Angeles, Cal. Extracting copper from its ores. No. 1,263,727; Apr. 23; v. 249; p. 846.
Anderson, Flora W. (See Hunt and Anderson.)

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Anderson, Frank B., assignor of one-third to C. O. Anderson and one-third to A. D. Anderson, Cleveland, Ohio. Centrifugal drier. No. 1,271,112; July 2; v. 252; p. 101.
Anderson, Frank C., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Switch-stand latch. No. 1,253,200; Jan. 15; v. 246; p. 573.
Anderson, Frank C., assignor to The American Valve & Meter Company, Cincinnati, Ohio. Interlocking and target-operating mechanism for switch-stands. No. 1,276,157; Aug. 20; v. 253; p. 564.
Anderson, Frank E., St. James, Minn. Wagon-rack bracket. No. 1,267,162; May 21; v. 250; p. 695.
Anderson, Frank E., Brooklyn, N. Y. Stamping device. No. 1,271,826; July 9; v. 252; p. 332.
Anderson, Frank G., *et al.* (See Anderson, Martin E., assignor.)
Anderson, Frank J., Great Falls, Mont. Button-hook. No. 1,255,272; Feb. 5; v. 247; p. 45.
Anderson, Frank J., Great Falls, Mont. Package-tie and handle. No. 1,255,273; Feb. 5; v. 247; p. 45.
Anderson, Frank J., Great Falls, Mont. Game. No. 1,257,779; Feb. 26; v. 247; p. 892.
Anderson, Frank O., Jamestown, N. Y. Machine for cutting blind dovetail slots. No. 1,258,082; Mar. 5; v. 248; p. 39.
Anderson, Fred, Cedar Rapids, Iowa. Mixing-machine. No. 1,255,376; Feb. 5; v. 247; p. 76.
Anderson, Fred, Tacoma, Wash. Fountain soldering-iron. No. 1,256,970; Feb. 19; v. 247; p. 620.
Anderson, Frederick E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange spstem. No. 1,279,489; Sept. 24; v. 254; p. 661.
Anderson, Fritz A., New York, N. Y. Torpedo-guard. No. 1,282,520; Oct. 22; v. 255; p. 754.
Anderson, George, London, England. Rubber paving for roads and other surfaces. No. 1,280,363; Oct. 1; v. 255; p. 70.
Anderson, George, London, England. Paving-block for roadways and other surfaces. No. 1,285,891; Nov. 26; v. 256; p. 735.
Anderson, George A., assignor of one-fourth to D. P. Thomas, Worcester, and one-fourth to E. B. Renblom, Springfield, Mass. Labeling-machine. No. 1,271,989; July 9; v. 252; p. 381.
Anderson, George C., Racine, Wis. Tool-holder. No. 1,253,769; Jan. 15; v. 246; p. 739.
Anderson, George C., Springfield, Ill. Game apparatus. No. 1,269,995; June 18; v. 251; p. 586.
Anderson, George M., Washington, D. C. Rubber tread for boots and shoes. No. 1,281,476; Oct. 15; v. 255; p. 434.
Anderson, Gustaf, New York, N. Y. Flying-machine. No. 1,280,627; Oct. 8; v. 255; p. 168.
Anderson, Gustaf A., Waynesboro, Pa. Shock-absorber. No. 1,272,178; July 9; v. 252; p. 433.
Anderson, Gustaf B., Chicago, Ill. Toy reed-organ. No. 1,288,465; Dec. 24; v. 257; p. 654.
Anderson, Gustav, Brooklyn, assignor to International Cigar Machinery Company, New York, N. Y. Cigar-wrapping mechanism. No. 1,267,734; May 28; v. 250; p. 879.
Anderson, Guy, Haynesville, Me. Motor-sleigh. No. 1,256,761; Feb. 19; v. 247; p. 557.
Anderson, Hans P., Fargo, N. D. Game apparatus. No. 1,254,958; Jan. 29; v. 246; p. 1132.
Anderson, Harold N., assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Device for chucking blanks in gear-rolling machines. No. 1,267,735; May 28; v. 250; p. 879.
Anderson, Harold N., assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Making gears. No. 1,273,125; July 23; v. 252; p. 751.
Anderson, Henry R. W., *et al.*, administrators. (See Thomas and Davies.)
Anderson, Ingemar, Ridgefield Park, N. J. Snap-fastener. No. 1,265,719; May 14; v. 250; p. 261.
Anderson, Irving A. (See Clark, Louis F., assignor.)
Anderson, Ivar B., Darwin, Minn. Vehicle-body. No. 1,284,967; Nov. 19; v. 256; p. 461.
Anderson, James, and J. G. Fleming, Columbus, assignors of fifty-one one-hundredths to H. E. Vance, Franklin county, Ohio. Tractor. No. 1,252,643; Jan. 8; v. 246; p. 382.
Anderson, James A., Grafton, W. Va. Driving-box, shoe, and wedge for locomotives. No. 1,283,616; Nov. 5; v. 256; p. 46.
Anderson, James B., Shickshinny, Pa. Mine-pulley. No. 1,274,836; Aug. 6; v. 253; p. 141.
Anderson, James B., Shaler township, Allegheny county, Pa. Cutting-torch. No. 1,282,353; Oct. 22; v. 255; p. 709.
Anderson, James C., Washington, D. C. Making automobile-tires. No. 1,254,015; Jan. 22; v. 246; p. 829.
Anderson, James C., Washington, D. C. Tire. No. 1,254,016; Jan. 22; v. 246; p. 829.
Anderson, James C., Washington, D. C. Spark-plug cleaner. No. 1,285,892; Nov. 26; v. 256; p. 735.
Anderson, James W., assignor to Anderson Manufacturing Co., San Francisco, Cal. Multiple-view camera. No. 1,287,816; Dec. 17; v. 257; p. 470.
Anderson, Jeanne A., Omaha, Nebr. Drafting-tool. No. 1,282,020; Oct. 22; v. 255; p. 617.
Anderson, Johan A. (See Parks and Anderson.)
Anderson, John, and F. Bergendorf, Philadelphia, Pa. Cutting device. No. 1,255,684; Feb. 5; v. 247; p. 165.
Anderson, John C., Eureka, Cal. Raft. No. 1,260,618; Mar. 26; v. 248; p. 875.
Anderson, John F., Norway, Iowa. Pipe-coupling. No. 1,275,118; Aug. 6; v. 253; p. 219.
Anderson, John F., Seattle, Wash. Adding and subtracting machine. No. 1,288,793; Dec. 24; v. 257; p. 735.
Anderson, John G., Wheat Ridge, Colo. Rotary transmission. No. 1,271,827; July 9; v. 252; p. 332.
Anderson, John H., St. Paul, Minn. Combination shoveling-board and end-gate. No. 1,252,381; Jan. 8; v. 246; p. 305.
Anderson, John J., Franklin, Minn. Barrel-stand. No. 1,288,794; Dec. 24; v. 257; p. 735.
Anderson, John P., assignor of one-half to S. J. Gaeng, Baltimore, Md. Display-card holder. No. 1,281,260; Oct. 15; v. 255; p. 373.
Anderson, John R., Moline, Ill. Folding table. No. 1,252,766; Jan. 8; v. 246; p. 418.
Anderson, John R., Moline, assignor of one-half to J. Mordhorst, Rock Island, Ill. Clothes-line stretcher. No. 1,276,702; Aug. 27; v. 253; p. 753.
Anderson, John T., Davenport, Iowa. Jar molding-machine. No. 1,254,385; Jan. 22; v. 246; p. 935.
Anderson, John W. (See Davison and Anderson.)
Anderson, John W., Hamilton, Ontario, Canada. Apparatus for shaping metal channel-bars. No. 1,266,545; May 21; v. 250; p. 520.
Anderson, John W., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Valve-setting gear for Diesel engines. No. 1,265,029; May 7; v. 250; p. 44.
Anderson, Laura, Lufkin, Tex. Lamp chimney and burner. No. 1,288,796; Dec. 24; v. 257; p. 735.
Anderson, Louis, Chicago, Ill. Shock-former for harvesting-machines. No. 1,269,516; June 11; v. 251; p. 422.
Anderson, Louis A., assignor to The R & G Company, Attleboro, Mass. Collar-fastener. No. 1,277,168; Aug. 27; v. 253; p. 877.
Anderson, Louis H., Carroll, Iowa. Attachment for automobiles. No. 1,278,556; Sept. 10; v. 254; p. 356.
Anderson, Louis O., Brunswick, Minn. Chicken-feeder. No. 1,275,194; Aug. 13; v. 253; p. 266.
Anderson, Louis O., Brunswick, Minn. Ditch-digging machine. No. 1,277,353; Sept. 3; v. 254; p. 5.
Anderson, Louis O., Brunswick, Minn. Storm-cover. No. 1,284,968; Nov. 19; v. 256; p. 462.
Anderson, Mads, Hastings, Nebr. Hay-sweep. No. 1,281,477; Oct. 15; v. 255; p. 434.
Anderson Manufacturing Co. (See Anderson, James W., assignor.)
Anderson, Mark N., Sherburn, Minn. Locking-coupling. No. 1,254,386; Jan. 22; v. 246; p. 935.
Anderson, Martin E., assignor to Jacob Harsh Company, De Kalb, Ill. Tank-heater. No. 1,268,202; June 4; v. 251; p. 38.
Anderson, Martin E., assignor to Jacob Haish Company, De Kalb, Ill. Feed-grinder. No. 1,271,258; July 2; v. 252; p. 143.
Anderson, Martin E., assignor of one-third to F. G. Anderson and one-third to A. O. Anderson, De Kalb, Ill. Vehicle-tongue. No. 1,265,868; May 14; v. 250; p. 304.
Anderson, Martin T. (See Fiedler, Sophia, assignor.)
Anderson, Nels A., Warren, assignor to The Harris Automatic Press Company, Niles, Ohio. Gage and stop for printing-presses. No. 1,261,998; Apr. 9; v. 249; p. 315.
Anderson, Newton M., assignor of one-half to W. T. Jean, Worthington, Ind. Vulcanizer. No. 1,266,901; May 21; v. 250; p. 620.
Anderson, Nils H., Bridgeport, Conn. Die cutting and forming machine. No. 1,284,969; Nov. 19; v. 256; p. 462.
Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,252,382; Jan. 8; v. 246; p. 305.
Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,255,570; Feb. 5; v. 247; p. 133.
Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,255,571; Feb. 5; v. 247; p. 133.
Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,261,751; Apr. 9; v. 249; p. 247.
Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,261,752; Apr. 9; v. 249; p. 247.
Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,264,589; Apr. 30; v. 249; p. 1120.
Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,264,590; Apr. 30; v. 249; p. 1120.
Anderson, Nils H., assignor to G. F. Drouve, Bridgeport, Conn. Window-operating device. No. 1,254,959; Jan. 29; v. 246; p. 1133.
Anderson, Olaf A., Highland Park, Mich. Motor-wheel. No. 1,284,970; Nov. 19; v. 256; p. 462.

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Anderson, Olof. (See Levinger and Anderson.)
Anderson, Oscar, Råsunda, Sweden. Locking device for fluid-measuring apparatus. No. 1,260,293; Mar. 26; v. 248; p. 778.
Anderson, Oscar, Råsunda, Sweden. Apparatus for measuring the weight of fluid quantities. No. 1,266,543; May 21; v. 250; p. 519.
Anderson, Oscar D., Conway, S. C. Dumping-wagon. No. 1,272,596; July 16; v. 252; p. 576.
Anderson, Oscar T. (See Narveson, Bernard A., assignor.)
Anderson, Per A., New York, N. Y. Fan. No. 1,261,753; Apr. 9; v. 249; p. 247.
Anderson, Per A., New York, N. Y. Fan. No. 1,276,703; Aug. 27; v. 253; p. 753.
Anderson, Peter M., Washington, D. C. Liquid-weigher. No. 1,256,193; Feb. 12; v. 247; p. 356.
Anderson, Robert, New York, N. Y. Bracelet. No. 1,276,607; Aug. 20; v. 253; p. 690.
Anderson, Robert D. H., Pawtuxet, R. I. Adjustable light-holder. No. 1,283,446; Nov. 5; v. 256; p. 3.
Anderson, Robert H., Ambler, Pa., assignor to Asbestos Shingle, Slate & Sheathing Company. Apparatus and process for making sheets, slabs, and similar articles. No. 1,268,203; June 4; v. 251; p. 38.
Anderson, Robert K., Blountville, Tenn. Car-coupling. No. 1,279,215; Sept. 17; v. 254; p. 563.
Anderson Rolled Gear Company, The. (See Anderson, Harold N., assignor.)
Anderson, Rudolph M., New York, N. Y. Moving-picture-film reel. No. 1,266,379; May 14; v. 250; p. 444.
Anderson, Sarah R., Southern Pines, N. C. Opener. No. 1,277,818; Sept. 3; v. 254; p. 135.
Anderson, Thomas T., Bement, Ill. Cultivator. No. 1,275,356; Aug. 13; v. 253; p. 311.
Anderson, Tom M., Jr., Knoxville, assignor of one-third to G. W. Mayer, Harriman, Tenn. Lock. No. 1,254,960; Jan. 29; v. 246; p. 1133.
Anderson, Vincent G., Thief River Falls, Minn., assignor to F. C. Austin, Chicago, Ill. Dipper-dredge. No. 1,269,149; June 11; v. 251; p. 322.
Anderson, Vincent G., Thief River Falls, Minn., assignor to F. C. Austin, Chicago, Ill. Propelling apparatus. No. 1,270,763; July 2; v. 252; p. 3.
Anderson, Walter J., Galveston, Tex. Touch-system hand-rest. No. 1,277,169; Aug. 27; v. 253; p. 877.
Anderson, William, Harrisburg, Pa. Bread-knife. No. 1,254,563; Jan. 22; v. 246; p. 986.
Anderson, William B., assignor to Haggard and Marcusson Company, Chicago, Ill. Corner construction for rectangular frames. No. 1,261,000; Apr. 2; v. 249; p. 3.
Anderson, William B., assignor to Haggard and Marcusson Company, Chicago, Ill. Corner-bracket for bed-bottoms. No. 1,266,755; May 21; v. 250; p. 581.
Anderson, William M., assignor to The Hydro Ventilator Company, Minneapolis, Minn. Ventilated water-closet bowl. No. 1,268,534; June 4; v. 251; p. 132.
Anderson, William P., N. C. Clarke, Birmingham, and J. F. Whitelaw, Erdington, England. Artificial arm. No. 1,272,179; July 9; v. 252; p. 434.
Anderson, Woodson H. (See Allen, George L., assignor.)
Andersson, Albin J., and H. E. Coburn, Worcester, Mass.; said Coburn assignor to said Andersson. Door-releasing mechanism. No. 1,287,173; Dec. 10; v. 257; p. 279.
Andersson, Bengt S., assignor to H. Sundius, Stockholm, Sweden. Splash-shield. No. 1,277,341; Aug. 27; v. 253; p. 920.
Anderton, Harry C. (See Slager and Anderton.)
Anderwert, Eugen, H. Fritzsche, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Substantive orthooxyazo dyestuffs and making same. No. 1,265,030; May 7; v. 250; p. 45.
Anderwert, Eugen, H. Fritzsche, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Substantive orthooxyazo dyestuffs and making same. No. 1,265,031; May 7; v. 250; p. 45.
Anderwert, Eugen, H. Fritzsche, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Producing on the fibers new copper compounds of substantive orthooxyazo dyestuffs. No. 1,276,307; Aug. 20; v. 253; p. 605.
Anderwert, Eugen, H. Fritzsche, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Substantive orthooxyazo dyestuffs and making same. No. 1,282,354; Oct. 22; v. 255; p. 710.
Anderwert, Eugen, H. Fritzsche, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Substantive orthooxyazo dyestuffs and making same. No. 1,282,355; Oct. 22; v. 255; p. 710.
Anderwert, Eugen, H. Fritzsche, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Substantive orthooxyazo dyestuffs and making same. No. 1,282,356; Oct. 22; v. 255; p. 711.
Andes Exploration and Smelting Corporation. (See Cobb, Bayard G., assignor.)
Andes Exploration & Smelting Corporation. (See Morrill, Edmund N., assignor.)
Andes, Joseph, Hazleton, Pa. Snap-hook. No. 1,276,474; Aug. 20; v. 253; p. 653.
Andracek, Anton, *et al.* (See Muzik, John, assignor.)
Andrade-Lalama, Rafael, Quito, Ecuador. Telltale compass. No. 1,275,570; Aug. 13; v. 253; p. 368.
Andre, Thomas C., Bridgeport, Wis. Door-closer. No. 1,265,416; May 7; v. 250; p. 150.
Andreae, Edward F., Newark, N. J., assignor to General Lead Batteries Company. Storage-battery grid. No. 1,289,354; Dec. 31; v. 257; p. 897.
Andreae, Edward F., Newark, N. J., assignor to General Lead Batteries Company. Mold for storage-battery grids. No. 1,289,355; Dec. 31; v. 257; p. 897.
Andreae, Edward F., Newark, N. J., assignor to General Lead Batteries Company. Making storage-battery grids. No. 1,289,356; Dec. 31; v. 257; p. 897.
Andreas, Ehenreich P., Leura, New South Wales, Australia. Fishing-reel. No. 1,281,261; Oct. 15; v. 255; p. 374.
Andreas, H. M. (See North, George W., assignor.)
Andreas, Harry R., Manila, Philippine Islands. Signal-lamp. No. 1,259,821; Mar. 19; v. 248; p. 609.
Andreas, John L., Pierceton, Ind. Hemp-cleaner. No. 1,262,615; Apr. 16; v. 249; p. 515.
Andreas, John L., Pierceton, Ind. Hemp-drying rack. No. 1,273,120; July 23; v. 252; p. 750.
Andreasen, Hans C. M. (See Christensen and Andreasen.)
Andree, Armida, Manistee, Mich. Note-reading device. No. 1,265,720; May 14; v. 250; p. 261.
Andrén, August, Brooklyn, assignor, by mesne assignments, to Elevator Supply & Repair Company, New York, N. Y. Elevator-signal. No. 1,276,158; Aug. 20; v. 253; p. 564.
Andreotta, Prospero, Brooklyn, N. Y. Cycle-vehicle drive-gear. No. 1,289,597; Dec. 31; v. 257; p. 957.
Andres, Arthur. (See Schmidt and Andres.)
Andres, Charles S., and W. T. Jones, assignor to Sound-O-Photoplay Co., Philadelphia, Pa. Machine for continuous reproduction of phonographic compositions. No. 1,265,286; May 7; v. 250; p. 114.
Andres, Edward M., assignor of one-half to C. I. Stokley, Denver, Colo. Spark-controlling attachment for automobiles. No. 1,275,518; Aug. 13; v. 253; p. 354.
Andres, Felix O., San Francisco, Cal. Coating with precious metal. No. 1,281,262; Oct. 15; v. 255; p. 374.
Andresen, Halvor, New York, N. Y., assignor to The Vacuum Muffler Corporation. Muffler. No. 1,272,180; July 9; v. 252; p. 434.
Andresen, Julius C. (See Marten, Grahn, and Andresen.)
Andress, John S., Jr., Sneads Island, Fla. Plow-point fastener. No. 1,266,380; May 14; v. 250; p. 444.
Andreucci, Carlo, Rome, Italy. Production of nitrogen from the air. No. 1,272,181; July 9; v. 252; p. 434.
Andrew, Frederick W., assignor to Eisemann Magneto Co., Brooklyn, N. Y. Locking device for impulse-starters. No. 1,281,750; Oct. 15; v. 255; p. 505.
Andrew, Frederick W., assignor to Eisemann Magneto Co., Brooklyn, N. Y. Locking device for impulse-starters. No. 1,282,010; Oct. 15; v. 255; p. 573.
Andrew, George V., Harvard, Ill. Milking-machine. No. 1,270,091; June 18; v. 251; p. 611.
Andrew, W. H., *et al.* (See Benton, Earl M., assignor.)
Andrew, William E., Atlantic Highlands, N. J. Resilient tire. No. 1,265,032; May 7; v. 250; p. 45.
Andrews, Albert L., Wymore, Nebr. Device for pulling bolts and pipes. No. 1,254,961; Jan. 29; v. 246; p. 1133.
Andrews, Alfred, Barnesville, Ohio. Multiple-exposure attachment for cameras. No. 1,289,357; Dec. 31; v. 257; p. 897.
Andrews, Arthur G., assignor to Andrews Wire & Iron Works, Rockford, Ill. Lifting-tray. No. 1,279,071; Sept. 17; v. 254; p. 527.
Andrews, Asa H., Jr. (See Bretton, Harry S., assignor.)
Andrews, Bernard R., Braintree, Mass. Apparatus for drying material. No. 1,268,535; June 4; v. 251; p. 132.
Andrews, Bernard R., Braintree, Mass. Apparatus for drying material. (Reissue.) No. 14,528; Oct. 8; v. 255; p. 342.
Andrews, Bernard R., Braintree, Mass. Apparatus for drying material in the form of webs. No. 1,287,172; Dec. 10; v. 257; p. 279.
Andrews, Charles B. (See Apgar and Andrews.)
Andrews, Chester E., assignor to The Walker Chemical Company, Pittsburgh, Pa. Vulacnizing. No. 1,280,940; Oct. 8; v. 255; p. 254.
Andrews, Ernest J., Lombard, assignor of one-fourth to G. L. Chindahl, Chicago, Ill. Dynamo-electric machine. No. 1,258,176; Mar. 5; v. 248; p. 66.
Andrews, Ernest J., assignor of one-fourth to G. L. Chindahl, Chicago, Ill. Dynamo-electric machine. No. 1,261,999; Apr. 9; v. 249; p. 315.
Andrews, Frank S., Berkeley, Cal. Automobile alarm-bell. No. 1,262,907; Apr. 16; v. 249; p. 599.
Andrews, George C., Minneapolis, Minn. Garbage-burner. No. 1,284,971; Nov. 19; v. 256; p. 462.
Andrews, George E., Massey, Ontario, Canada. Door-securing device. No. 1,277,819; Sept. 3; v. 254; p. 135.
Andrews, George F., Hominy, Okla. Pill-injector. No. 1,262,732; Apr. 16; v. 249; p. 550.
Andrews, Jerome E., assignor to Signode System, Inc., Chicago, Ill. Joint. No. 1,279,072; Sept. 17; v. 254; p. 527.
Andrews, Joseph P. (See Hedges, Robert S., assignor.)

Andrews, Launcelot W., Chicago, Ill. Manufacturing oxalates. No. 1,280,622; Oct. 8; v. 255; p. 167.
Andrews, Launcelot W., Chicago, Ill. Manufacturing oxalates. No. 1,281,117; Oct. 8; v. 255; p. 302.
Andrews, Launcelot W., Chicago, Ill. Manufacturing oxalates. No. 1,281,118; Oct. 8; v. 255; p. 302.
Andrews, Launcelot W., Chicago, Ill. Manufacturing nitro compounds. No. 1,283,617; Nov. 5; v. 256; p. 47.
Andrews, Willedd, *et al.* (See Barbosa, Antonio A., assignor.)
Andrews, William J., Columbia, Tenn. Playing-cards. No. 1,284,209; Nov. 12; v. 256; p. 231.
Andrews Wire & Iron Works. (See Andrews, Arthur G., assignor.)
Andrus, Farlie R., Motley, Minn. Ice-loader. No. 1,254,108; Jan. 22; v. 246; p. 856.
Anello, Francesco P., and G. Pocoroba, Newark, N. J. Signal system for vehicles and the like. No. 1,269,246; June 11; v. 251; p. 350.
Anfindsen, Christian B. (See Mogan and Anfindsen.)
Anfindsen, Christian B., Charleroi, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Apparatus for winding wire. No. 1,253,330; Jan. 15; v. 246; p. 612.
Anfindsen, Christian B., North Charleroi, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Wire-fence machine. No. 1,285,578; Nov. 26; v. 256; p. 656.
Angell, Edwin E., Somerville, Mass., assignor, by mesne assignments, to Todd Protectograph Co., Rochester, N. Y. Protecting commercial paper. No. 1,282,166; Oct. 22; v. 255; p. 659.
Angell, Oscar E. H., Albany, N. Y. Button. No. 1,280,941; Oct. 8; v. 255; p. 254.
Angell, Otis R., Bradford, Mass. Sole-edge setter. No 1,278,287; Sept. 10; v. 254; p. 286.
Angell, Otis R., Haverhill, Mass., assignor to The Hamel Shoe Machinery Company. Heel-covering machine. No. 1,281,263; Oct. 15; v. 255; p. 374.
Angermayer, Albert, Los Angeles, Cal. Tobacco-pipe. No. 1,289,071; Dec. 31; v. 257; p. 826.
Angevine, Zenus C., Long Beach, Cal. Demountable wheel-rim. No. 1,281,264; Oct. 15; v. 255; p. 374.
Angier, Edward H. (See Wheildon, William M., assignor.)
Angier, Edward H., Framingham, Mass. Package. No. 1,282,167; Oct. 22; v. 255; p. 659.
Angle, Edward H., Pasadena, Cal. Orthodontic appliance. No. 1,261,339; Apr. 2; v. 249; p. 99.
Angle, Edward H., Pasadena, Cal. Orthodontic appliance. No. 1,280,628; Oct. 18; v. 255; p. 168.
Angstead, Jasper C. (See Myers and Angstead.)
Angular Drill & Machine Corporation. (See Otis, Gerald E., assignor.)
Angulo, Alejandro *et al.* (See Sanchez, Leonardo, assignor.)
Anhaltzer, Henry, Pittsburgh, Pa. Tire. No. 1,255,974; Feb. 12; v. 247; p. 290.
Anholtt, Anders P. (See Giern and Anholtt.)
Anhydat-Leder-Werke Aktiengellschaft. (See Haring, Kurt, assignor.)
Ania, Anthony, Corona, N. Y. Airplane landing-gear. No. 1,285,893; Nov. 26; v. 256; p. 736.
Anibal, Benjamin H., assignor to Cadillac Motor Car Company, Detroit, Mich. Vehicle-gearing. No. 1,259,065; Mar. 12; v. 248; p. 363.
Anibal, Benjamin H., assignor to Cadillac Motor Car Company, Detroit, Mich. Transmission mechanism. No. 1,260,294; Mar. 26; v. 248; p. 778.
Anjier, Edward H. (See Wheildon, William M., assignor.)
Ankele, Frederick C., Philadelphia, Pa. Adjustable electrolier. No. 1,275,827; Aug. 13; v. 253; p. 440.
Ankele, Louis C., Des Moines, Iowa, assignor to F. Brody & Sons. Watch-pocket. No. 1,255,497; Feb. 5; v. 247; p. 110.
Anker-Holth Manufacturing Co. (See Krenke, Otto A., assignor.)
Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Electrical socket-fitting. No. 1,264,255; Apr. 30; v. 249; p. 1026.
Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Headlight. No. 1,286,197; Dec. 3; v. 257; p. 3.
Ankovitz, Louis B., Filden, Ill. Umbrella-holder. No. 1,258,518; Mar. 5; v. 248; p. 166.
Annable, Henry W. C., Egham, assignor to Nickel Concentration Limited, London, England. Extraction of nickel from silicate ores. No. 1,289,072; Dec. 31; v. 257; p. 826.
Annand, Robert C., South Shields, England. Flat-bed printing-machine. No. 1,262,616; Apr. 16; v. 249; p. 515.
Annand, Robert C., London, England. Stereotyping. No. 1,286,490; Dec. 3; v. 257; p. 76.
Anneke, Percy S., Duluth, Minn., assignor to Celite Products Company, Los Angeles, Cal. Plaster composition. No. 1,264,747; Apr. 30; v. 249; p. 1161.
Annis, John E. (See Moomaw, Henry E., assignor.)
Ansco Company. (See Rich, Charles A., assignor.)
Ansco Company. (See Schmidt, Carl W., assignor.)
Ansco Company. (See Topliff, Bornmann, and Clark, assignors.)
Anshen, Charles, Providence, R. I. Fastener. No. 1,287,817; Dec. 17; v. 257; p. 470.
Anslyn, Eva V., Oakland, Cal. Clothes-pin. No. 1,261,468; Apr. 2; v. 249; p. 134.
Anspach, Jacob, Cleveland, Ohio. Gas-burner. No. 1,267,041; May 21; v. 250; p. 660.
Anthony, Alfred H., Colchester, England. Float-valve. No. 1,287,174; Dec. 10; v. 257; p. 279.
Anthony, Charles G., Saratoga Springs, N. Y. Means of handling natural carbonated waters. No. 1,279,216; Sept. 17; v. 254; p. 563.
Anthony, Earle C., Los Angeles, Cal. Article for use in practising methods of dispensing service. No. 1,260,619; Mar. 26; v. 248; p. 875.
Anthony-Hammond Chemical Works. (See Blieberger, Gustav, assignor.)
Anthony, John L., and W. S. Bradford, Haynes, Ark. Gasolene-gun. No. 1,269,574; June 18; v. 251; p. 470.
Anthony, Joseph G., St. Louis, Mo. Traffic-signal. No. 1,251,949; Jan. 1; v. 246; p. 150.
Anthony, Joseph G., Detroit, Mich. Automobile-signal. No. 1,285,549; Nov. 19; v. 256; p. 609.
Anthony, Marcus O., Englewood, N. J., assignor to A. Kimball Company, New York, N. Y. Tag-lock. No. 1,284,972; Nov. 19; v. 256; p. 463.
Anthony, Marcus O., assignor to A. Kimball Company, New York, N. Y. Pin-ticket. No. 1,288,466; Dec. 24; v. 257; p. 654.
Anthony, Marcus O., Englewood, and G. A. Wallin, Scotch Plains, N. J., assignors to A. Kimball Company, New York, N. Y. Pin-ticket-attaching device. No. 1,254,017; Jan. 22; v. 246; p. 820.
Anthony, Riley E., Omaha, Nebr. Condiment-holder. No. 1,283,447; Nov. 5; v. 256; p. 3.
Anthony, Sidney R., New York, N. Y. Pump connection. No. 1,266,192; May 14; v. 250; p. 396.
Anthony, Stanley, Boston, Mass., assignor to Rapid Equipment Company, Chicago, Ill. Index-guide. No. 1,285,579; Nov. 26; v. 256; p. 656.
Anthony, William, Clyde, Ohio. Battery-meter. No. 1,262,000; Apr. 9; v. 249; p. 316.
Anthony, William, Clyde, Ohio. Electrical measuring instrument. No. 1,273,126; July 23; v. 252; p. 751.
Anthony, Willis J. (See McEwen and Anthony.)
Anthracite Separator Company. (See Becker, John H., assignor.)
Antisell, Frank L., Perth Amboy, N. J. Centrifugal pump. No. 1,281,478; Oct. 15; v. 255; p. 434.
Antisell, Frank L., Perth Amboy, N. J. Process of and apparatus for extracting metals from ores. No. 1,282,521; Oct. 22; v. 255; p. 755.
Anton Krieghoff Company. (See Krieghoff, Anton, assignor.)
Anton, William, West Duluth, Minn. Rolling-pin. No. 1,254,298; Jan. 22; v. 246; p. 910.
Antoni, Guido and U., Pisa, Italy. Warping of the aeroplane-wings. No. 1,283,448; Nov. 5; v. 256; p. 3.
Antoni, Ugo. (See Antoni, Guido and U.)
Antonelli, John, Chicago, Ill. Garment. No. 1,276,854; Aug. 27; v. 253; p. 792.
Antz, Eugene, Adams, Idaho. Cutter-bar for mowers. No 1,284,037; Nov. 5; v. 256; p. 157.
Any Package Wrapping Co. (See Hohl, George I., assignor.)
Anzulovich, Américo. (See Murphy and Anzulovich.)
Apel, Frederick H., Athol Springs, N. Y. Dentist's bench-block. No. 1,281,751; Oct. 15; v. 255; p. 506.
Apeldoornsche Maschinenfabrik en Metaalgieterij voorheen Loog Landaal. (See Ferguson, George, assignor.)
Apfel, Philip F., Seattle, Wash. Electric heater. No. 1,260,252; Mar. 19; v. 248; p. 732.
Apgar, John M., Califon, N. J. Self-emptying bucket. No. 1,284,550; Nov. 12; v. 256; p. 318.
Apgar, Marshall F., and C. B. Andrews, assignors to Taylor-Wharton Iron & Steel Co., High Bridge, N. J. Dredge-tumbler. No. 1,271,990; July 9; v. 252; p. 381.
Apjohn, James H., deceased; Martha Apjohn, executrix, London, England. Clutch and variable-speed gear. No. 1,261,094; Apr. 2; v. 249; p. 29.
Apjohn, Martha A., executrix. (See Apjohn, James H.)
Apostle, Thomas, Kenton, Ohio. Chalk-holder. No. 1,254,564; Jan. 22; v. 246; p. 986.
Apostoloff, Serge, London, England, assignor of one-half to W. Ferguson, Jr., New York, N. Y. Making hollow bodies. No. 1,256,762; Feb. 19; v. 247; p. 558.
App, Howard. (See Vaughn and App.)
App, Oliver O., New York, N. Y. Power-actuated implement. No. 1,253,561; Jan. 15; v. 246; p. 680.
App, Oliver O., New York, N. Y. Power-actuated implement. No. 1,263,835; Apr. 23; v. 249; p. 876.
App, Oliver O., New York, N. Y. Excavating-machine. No. 1,283,618; Nov. 5; v. 256; p. 47.
Appel, Walter D., Cleveland Heights village, Ohio, assignor to A. A. Kent, Rosemont, Pa. Circuit make-and-brake device. No. 1,255,846; Feb. 12; v. 247; p. 252.
Appelbaum, Joseph, assignor to Twin Blade Co., Inc., New York, N. Y. Cloth-cutting knife. No. 1,270,683; June 25; v. 251; p. 799.
Appelbaum, Julius, New York, N. Y. Calendar. No. 1,253,562; Jan. 15; v. 246; p. 680.
Appell, John F., St. Louis, Mo. Lock. No. 1,259,585; Mar. 19; v. 248; p. 542.

Appell, John F., St. Louis, Mo. Sash-fastener. No. 1,259,586; Mar. 19; v. 248; p. 542.
Appell, Martin P., near Galva, Ill. Automatic toy pistol. No. 1,272,353; July 16; v. 252; p. 510.
Appelman, Erastus W. (See Daubenberg and Appelman.)
Applas, Clarence S., and W. T., Moline, Ill. Box-lid holder. No. 1,265,033; May 7; v. 250; p. 46.
Applas, Walter T. (See Applas, Clarence S., and W. T.)
Apple, Grover C., assignor of one-half to H. P. Bowman, Greensboro, N. C. Attachment for drinking-cups. No. 1,280,942; Oct. 8; v. 255; p. 254.
Apple, Vincent G., Dayton, Ohio. Building commutators. No. 1,258,735; Mar. 12; v. 248; p. 267.
Apple, Vincent G., Dayton, Ohio. System of power transmission. No. 1,264,748; Apr. 30; v. 249; p. 1161.
Apple, Vincent G., Dayton, Ohio. Building armatures. No. 1,264,749; Apr. 30; v. 249; p. 1161.
Apple, Vincent G., Dayton, Ohio. Armature construction for dynamo-electric machines. No. 1,275,195; Aug. 13; v. 253; p. 266.
Apple, Vincent G., Dayton, Ohio. Speed-reducing gearing. No. 1,276,855; Aug. 27; v. 253; p. 792.
Apple, Vincent G., Dayton, Ohio. Making commutators. No. 1,276,856; Aug. 27; v. 253; p. 792.
Apple, Vincent G., Dayton, Ohio. Armature construction. No. 1,276,857; Aug. 27; v. 253; p. 792.
Apple, Vincent G., Dayton, Ohio. Starting-crank for automobile-engines. No. 1,284,551; Nov. 12; v. 256; p. 318.
Apple, Vincent G., Dayton, Ohio. Armature insulation. No. 1,284,552; Nov. 12; v. 256; p. 318.
Apple, Vincent G., Dayton, Ohio. Mold. No. 1,284,553; Nov. 12; v. 256; p. 318.
Apple, Vincent G. (See Cotterman, Frederick W., assignor.)
Applebee, Burton M. (See Johnson and Applebee.)
Appleby, Orville, San Francisco, Cal. Transmission-hub. No. 1,272,182; July 9; v. 252; p. 435.
Appleby, William H., Chicago, Ill. Hinge. No. 1,257,572; Feb. 26; v. 247; p. 831.
Appleby, William H., Chicago, Ill. Hinge. No. 1,280,629; Oct. 8; v. 255; p. 168.
Applegate, Harry R., Chicago, Ill. Holder for books, bound documents, and the like. No. 1,254,635; Jan. 22; v. 246; p. 1006.
Applegate, David S. (See Foree, Augustine W., assignor.)
Appleget, Cyrus M., North Yakima, Wash. Music-leaf turner. No. 1,256,423; Feb. 12; v. 247; p. 424.
Appleton, Albert I., Chicago, Ill. Conduit-fitting. No. 1,289,073; Dec. 31; v. 257; p. 826.
Appleton, Frank, Philadelphia, Pa., assignor, by mesne assignments, to Scott & Williams, Incorporated. Defective-yarn detector for knitting-machines. No. 1,251,459; Jan. 1; v. 246; p. 3.
Appleton, Frank, Philadelphia, Pa., assignor, by mesne assignments, to Scott & Williams, Incorporated. Defective-needle detector for knitting-machines. No. 1,251,460; Jan. 1; v. 246; p. 3.
Appleton Manufacturing Co. (See Cormack, George, assignor.)
Appleton Wire Works. (See Weissenborn, Albert B., assignor.)
Appomattox Iron Works and Supply Company. (See Steere, Albert L., assignor.)
Apted, Frank, Geelong, Victoria, Australia. Reinforcement of clothes pegs or pins. No. 1,277,170; Aug. 27; v. 253; p. 877.
Arabian, Nishan G., Lawrence, Mass. Insect-trap. No. 1,277,354; Sept. 3; v. 254; p. 5.
Aragon, Clements L., Reno, Nev. Fountain-pen. No. 1,279,821; Sept. 24; v. 254; p. 757.
Aramaki, Takekichi, Kiku-Gun, Fukuoka-Ken, Japan. Zinc-melting apparatus. No. 1,275,196; Aug. 13; v. 253; p. 266.
Aranar Company, The. (See Strauss, Herbert R., assignor.)
Arancio, Frank V., Boston, Mass. Non-refillable bottle. No. 1,285,894; Nov. 26; v. 256; p. 736.
Arbetter Felling Machine Company. (See Hayes, Thomas J., assignor.)
Arbetter Felling Machine Company. (See Hayes and Moulton, assignors.)
Arbetter Felling Machine Company. (See Moulton, Harley C., assignor.)
Arbetter, Samuel, assignor to A. C. K. Belting Co., Chicago, Ill. Belt-coupling. No. 1,252,767; Jan. 8; v. 246; p. 418.
Arbey, Alphonse. (See Peuch and Arbey.)
Arbogast, Wilson. (See Becker, Harry J., assignor.)
Arbter, Frank, Chicago Heights, Ill. Window construction. No. 1,273,309; July 23; v. 252; p. 799.
Arbuckle, Almer E. (See Cliff and Arbuckle.)
Arbuckle, Samuel F., Indianapolis, Ind. Automobile-headlight control. No. 1,256,284; Feb. 12; v. 247; p. 383.
Arbuthnot, Earl, *et al.* (See Grabill, John F., assignor.)
Arbuthnot, George D., Northfield Station, assignor to J. Wood, Harrison's Corners, and T. McKay, Cornwall, Ontario, Canada. Tire-protector. No. 1,254,962; Jan. 29; v. 246; p. 1134.
Arcaro, Joseph G., New York, N. Y. Shock and movement absorbing support for automobile-bodies. No. 1,276,704; Aug. 27; v. 253; p. 753.
Arce, Santiago, Buenos Aires, Argentina. Speed-transformer. No. 1,271,828; July 9; v. 252; p. 333.
Archambault, Arthur J., Chicago, Ill. Torch. No. 1,260,741; Mar. 26; v. 248; p. 910.
Archavlis, Emmanuel N., Canton, Ohio. Hydraulic machine for pressing olives. No. 1,282,021; Oct. 22; v. 255; p. 618.
Archer, Charles E. (See Humphreys and Archer.)
Archer, Charles E., and E. C. Humphreys, Detroit, Mich. Signaling device for vehicles. No. 1,259,822; Mar. 19; v. 248; p. 609.
Archer, Charles E., and E. C. Humphreys, Detroit, Mich. Dirigible electric lamp. No. 1,259,823; Mar. 19; v. 248; p. 610.
Archer, Charles E., and E. C. Humphreys, Detroit, Mich. Dirigible lamp. No. 1,259,824; Mar. 19; v. 248; p. 610.
Archer, John, and G. Clark, Clinton, Ind. Jack for automobiles and the like. No. 1,262,297; Apr. 9; v. 249; p. 397.
Archer, John, assignor of three-eighths to E. DeLong and one-fourth to R. B. Welliver, Red Deer, Alberta, Canada. Means for transmitting power. No. 1,277,283; Aug. 27; v. 253; p. 905.
Archer Manufacturing Company. (See Spear, Arthur, assignor.)
Archibald, David D., and F. L. Louandes, Toledo, Ohio. Valve-grinding machine. No. 1,276,705; Aug. 27; v. 253; p. 754.
Archibald, William A., and H. W. Thom, Tyler, Pa.; said Thom assignor to said Archibald. All-water rheostat. No. 1,268,666; June 4; v. 251; p. 169.
Arco, Georg von, and A. Meissner, assignors to Gesellschaft für drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitting apparatus for wireless telegraphy and telephony. No. 1,267,018; May 21; v. 250; p. 653.
Arctander, Louis, *et al.* (See Hartfiel, Charles A., assignor.)
Arcus, James S., Chicago, Ill. Cashier's ticket. No. 1,276,159; Aug. 20; v. 253; p. 565.
Arden Manufacturing Corporation. (See Arden, Thomas R., assignor.)
Arden, Thomas R., assignor to T. R. Arden Co., Inc., New York, N. Y. Toy cannon. No. 1,270,764; July 2; v. 252; p. 3.
Arden, Thomas R., assignor to Arden Manufacturing Corporation, Guttenberg, N. J. Toy cannon. No. 1,270,765; July 2; v. 252; p. 3.
Arden, Thomas R., assignor to Arden Manufacturing Corporation, New York, N. Y. Toy cannon. No. 1,276,308; Aug. 20; v. 253; p. 605.
Arden, Thomas R., assignor to Arden Manufacturing Corporation, New York, N. Y. Seesaw. No. 1,282,357; Oct. 22; v. 255; p. 711.
Arden, Thomas R., assignor to Arden Manufacturing Corporation, New York, N. Y. Toy fort. No. 1,282,358; Oct. 22; v. 255; p. 711.
Arden, Thomas R., assignor to Arden Manufacturing Corporation, Guttenberg, N. J. Toy crane or derrick. No. 1,283,022; Oct. 29; v. 255; p. 922.
Arendes, Michael C. H., *et al.* (See Keane, John J., assignor.)
Arens, August, assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,283,023; Oct. 29; v. 255; p. 922.
Arens, Rudolph J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacturing tire-casings. No. 1,274,496; Aug. 6; v. 253; p. 44.
Areson, Nels, Portland, Oreg. Scaffold. No. 1,260,123; Mar. 19; v. 248; p. 696.
Arey, Fred C., Oak Park, Ill. Machine for making reinforced sheathing. No. 1,254,299; Jan. 22; v. 246; p. 911.
Arey, Samuel E., assignor of one-half to J. J. Hern, Fellows, Cal. Sucker-rod hanger. No. 1,251,615; Jan. 1; v. 246; p. 51.
Argo, Alfred G., Kenesaw, Nebr. Attachment for hay-rakes. No. 1,272,885; July 16; v. 252; p. 661.
Argo, Ernest, assignor to La Clede-Christy Clay Products Co., St. Louis, Mo. Interlocking sewer-tile. No. 1,264,138; Apr. 30; v. 249; p. 992.
Argo, Horace E., Oak Park, Ill. Grease-cup. No. 1,253,922; Jan. 15; v. 246; p. 782.
Argus Lamp and Appliance Company, The. (See Sheck, Oscar M., assignor.)
Arion Manufacturing Company. (See Cole, Otto B., assignor.)
Arkills, Murvin E., Chicago, Ill. Pneumatic-hammer safety device. No. 1,267,163; May 21; v. 250; p. 695.
Arkin, Louis, Boston, Mass. Fastener. No. 1,255,847; Feb. 12; v. 247; p. 253.
Arkin, Louis, Boston, Mass. Fastener. No. 1,265,869; May 14; v. 250; p. 304.
Arkin, Louis, Boston, Mass. Fastener. No. 1,271,650; July 9; v. 252; p. 285
Arkin, Louis, Boston, Mass. Fastener. No. 1,275,357; Aug. 13; v. 253; p. 311.
Arkin, Louis, Boston, Mass. Fastener. No. 1,284,038; Nov. 5; v. 256; p. 157.
Arlington Chemical Company, The. (See Harris and Eschmann, assignors.)
Armagost, Oscar W., Waterloo, Iowa. Door-operating means. No. 1,289,074; Dec. 31; v. 257; p. 826.

Alphabetical list of patentees—Continued.

Armat, Thomas, Washington, D. C. Vitascope. No. 1,259,066; Mar. 12; v. 248; p. 364.
Armat, Thomas, Washington, D. C. Projecting-machine. No. 1,259,067; Mar. 12; v. 248; p. 364.
Armaugh, Jesse, Chicago, Ill. Hide-remover. No. 1,263,636; Apr. 23; v. 249; p. 823.
Armband, Abraham, assignor to M. L. Farber, New York, N. Y. Roller-bearing caster. No. 1,271,113; July 2; v. 252; p. 101.
Armbruster, Charles E. H., Denver, Colo. Measuring instrument. No. 1,276,311; Aug. 20; v. 253; p. 606.
Armington, James R., Allston, Mass., assignor, by mesne assignments, to the People of the United States of America. Surgical bandage. No. 1,263,728; Apr. 23; vol. 249; p. 847.
Armitage, Edwin, Detroit, Mich. Coating-machine. No. 1,257,962; Mar. 5; v. 248; p. 3.
Armour, Angus A. (See Kinyoun and Armour.)
Armour and Company. (See Moor, William C., assignor.)
Armour and Company. (See Mulloy, George B., assignor.)
Armour and Company. (See Noble, Guy L., assignor.)
Armour Fertilizer Works. (See Hershman, Paul R., assignor.)
Armour Fertilizer Works. (See Soper, Ellis C., assignor.)
Armour Fertilizing Works. (See Shoeld, Mark, assignor.)
Armour Grain Company. (See Remmers, Bernhard, assignor.)
Armour, John A., Baltimore, Md. Plumb-bob. No. 1,274,662; Aug. 6; v. 253; p. 92.
Armour, William W. (See Howarth and Armour.)
Armson, Harold P., assignor to A. P. Holden, Toronto, Ontario, Canada. Thread-cutting tool or mill. No. 1,256,637; Feb. 19; v. 247; p. 522.
Armspear Manufacturing Company. (See Spear, Furman D., assignor.)
Armstrong Bros. Tool Company. (See Robinson, William S., assignor.)
Armstrong, Cedric J. B., Cobalt, Ontario, Canada, assignor to Metals Recovery Company, Augusta, Me. Process of and apparatus for concentrating ores. No. 1,269,150; June 11; v. 251; p. 322.
Armstrong, Charles C., Marysville, Ohio. Electrically-heated cooking device. No. 1,263,359; Apr. 23; v. 249; p. 745.
Armstrong Cork Company. (See Busch, Herman F., assignor.)
Armstrong Cork Company. (See Fix, Frank, assignor.)
Armstrong Cork Company. (See Jones and Webster, assignors.)
Armstrong, Edwin J., assignor to Ball Engine Company, Erie, Pa. Steam-shovel and the like. No. 1,258,974; Mar. 12; v. 248; v. 336.
Armstrong, Edwin J., assignor to Ball Engine Company, Erie, Pa. Steam-shovel. No. 1,260,295; Mar. 26; v. 248; p. 778.
Armstrong, Eliot, Buffalo, N. Y. Hose-supporter. No. 1,252,987; Jan. 8; v. 246; p. 482.
Armstrong, Frederick W., Clinton, Ind. Adjustable coal-boring auger. No. 1,270,092; June 18; v. 251; p. 612.
Armstrong, George D., Guthrie Center, Iowa. Nut and bolt holding wrench. No. 1,270,766; July 2; v. 252; p. 4.
Armstrong, George F., Newark, N. J. Plastic composition. No. 1,257,780; Feb. 26; v. 247; p. 892.
Armstrong, George J., and F. C. Le Messurier, assignors to McKinnon Chain Co., Buffalo, N. Y. Chain-link forming and opening machine. No. 1,281,479; Oct. 15; v. 255; p. 434.
Armstrong, George R., McKeesport, Pa. Spool-magazine for sewing-machines. No. 1,283,024; Oct. 29; v. 255; p. 922.
Armstrong, George W., Spokane, Wash. War-puzzle. No. 1,285,550; Nov. 19; v. 256; p. 609.
Armstrong, Harry G., Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass. Wrapping-machine. No. 1,280,364; Oct. 1; v. 255; p. 70.
Armstrong, Harry H., assignor to Fidelity Brass Manufacturing Company, Chicago, Ill. Pressure-regulator. No. 1,275,641; Aug. 13; v. 253; p. 388.
Armstrong, Harry Y., assignor to United Sealing Machine Company, Springfield, Mass. Envelop-sealing machine. No. 1,269,671; June 18; v. 251; p. 498.
Armstrong, Harry Y., assignor to United Sealing Machine Company, Springfield, Mass. Envelop-machine. No. 1,269,672; June 18; v. 251; p. 498.
Armstrong, Harry Y., assignor to United Sealing Machine Company, Springfield, Mass. Stacking mechanism. No. 1,269,673; June 18; v. 251; p. 499.
Armstrong, Henry A., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Control for typographical machines. No. 1,267,164; May 21; v. 250; p. 695.
Armstrong, James R., assignor to Equitable Meter Company, Pittsburgh, Pa. Gas-meter. No. 1,283,025; Oct. 29; v. 255; p. 922.
Armstrong, John H., Cloquet, Minn. Rim-remover for wheels. No. 1,274,494; Aug. 6; v. 253; p. 44.
Armstrong, John J., Honolulu, and R. R. Hind, Ewa, Hawaii. Intermediate apron conveyer for sugar-mills. No. 1,289,075; Dec. 31; v. 257; p. 826.
Armstrong, Louis E., Pensacola, Fla. Torpedo trap or guard. No. 1,268,419; June 4; v. 251; p. 99.
Armstrong, Louis E., assignor of one-half to C. Mitchell, Omaha, Nebr. Torpedo trap or guard. No. 1,256,194; Feb. 12; v. 247; p. 357.
Armstrong, Mack J., assignor of one-half to H. C. Graydon, Rutledge, Ala. Baling-press. No. 1,285,895; Nov. 26; v. 256; p. 736.
Armstrong, Martin B., London, Ohio. Corn-crib. No. 1,289,598; Dec. 31; v. 257; p. 958.
Armstrong, Morgan K., Winnetka, assignor to Bestwall Manufacturing Company, Chicago, Ill. Plaster-board. No. 1,278,821; Sept. 17; v. 254; p. 458.
Armstrong, Neal, and E. H. Groves, Aldena, Colo. Pitchfork attachment. No. 1,273,718; July 23; v. 252; p. 908.
Armstrong, Neal A., Hoyt, Colo. Broom attachment. No. 1,287,818; Dec. 17; v. 257; p. 470.
Armstrong, Philander S., *et al.* (See Cummings, Daniel J., assignor.)
Armstrong, Raymond, Grand Island, N. Y. Antiskid device. No. 1,282,359; Oct. 22; v. 255; p. 711.
Armstrong, Vesper I., Carterville, Mo. Music-holder. No. 1,270,767; July 2; v. 252; p. 4.
Armstrong, Wesley, North Battleford, Saskatchewan, Canada. Elevator equipment. No. 1,284,554; Nov. 12; v. 256; p. 319.
Armstrong, William. (See Wood and Armstrong.)
Armstrong, William G., Toronto, Ontario, Canada. Lawn-mower. No. 1,284,555; Nov. 12; v. 256; p. 319.
Armstrong, William J., Brussels, Ontario, Canada. Bag-holder. No. 1,260,620; Mar. 26; v. 248; p. 876.
Armstrong, William P., Washington, D. C. Exercising device. No. 1,287,176; Dec. 10; v. 257; p. 279.
Arnavas, Mario, San Francisco, Cal. Fire-alarm protective device. No. 1,267,165; May 21; v. 250; p. 696.
Arnavas, Mario, San Francisco, Cal. Vehicle-wheel. No. 1,271,414; July 2; v. 252; p. 184.
Arndt, Franklin E., assignor of one-half to D. C. Boyd, Galion, Ohio. Engine-manifold. No. 1,268,312; June 4; v. 251; p. 69.
Arndt, Franklin E., assignor of one-half to D. C. Boyd, Galion, Ohio. Fuel-vaporizer. No. 1,278,557; Sept. 10; v. 254; p. 356.
Arndt, Franklin E., assignor of one-half to D. C. Boyd, Galion, Ohio. Intake-manifold. No. 1,278,558; Sept. 10; v. 254; p. 356.
Arndt, Henry P., Amston, Conn., assignor of two-thirds to C. M. Ams, New York, N. Y. Self-equalizing brake system. No. 1,261,675; Apr. 2; v. 249; p. 194.
Arndt, Henry P., Amston, Conn., assignor of two-thirds to C. M. Ams, New York, N. Y. Demountable traction-rim for automobile-wheels. No. 1,261,676; Apr. 2; v. 249; p. 194.
Arndt, Henry P., Amston, Conn., assignor of two-thirds to C. M. Ams, New York, N. Y. Pneumatic vehicle-spring. No. 1,276,310; Aug. 20; v. 253; p. 605.
Arndt, Henry P., Amston, Conn., assignor of two-thirds to C. M. Ams, New York, N. Y. Vehicle-spring. No. 1,276,309; Aug. 20; v. 253; p. 605.
Arndt, Joseph M., assignor of one-half to J. F. Seifried, Lima, Ohio. Money-handling device. No. 1,283,026; Oct. 29; v. 255; p. 923.
Arneil, James M., Paisley, Scotland. Air-heating apparatus. No. 1,278,414; Sept. 10; v. 254; p. 318.
Arney, Frank J., New York, N. Y. Detachable shirt-cuff. No. 1,254,565; Jan. 22; v. 246; p. 986.
Arnold, A. G., *et al.* (See Mershon, Arthur U., assignor.)
Arnold, Arthur A., assignor to American Optical Company, Southbridge, Mass. Cutter. No. 1,267,836; May 28; v. 250; p. 909.
Arnold, Benjamin H., Erie, Pa., assignor to General Electric Company. Control of electric circuits. No. 1,273,719; July 23; v. 252; p. 908.
Arnold, Charles E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Producing artificial leather. No. 1,257,665; Feb. 26; v. 247; p. 858.
Arnold, Charles E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Coating-machine. No. 1,259,339; Mar. 12; v. 248; p. 440.
Arnold, Charles E., Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Producing artificial leather. No. 1,277,528; Sept. 3; v. 254; p. 54.
Arnold, Emma C., Mount Clemens, Mich. Comforter. No. 1,267,042; May 21; v. 250; p. 660.
Arnold, Frank K. (See Sevigne and Arnold.)
Arnold, Fred I., assignor of one-half to J. Cohen, New York, N. Y. Eyelet. No. 1,258,852; Mar. 12; v. 248; p. 302.
Arnold, Frederic E., Salt Lake City, Utah. Water-tube boiler. No. 1,276,858; Aug. 27; v. 253; p. 793.
Arnold, George A., Boston, assignor of one-half to F. C. Hersee and one-half to S. A. Campbell, Waltham, Mass. Blower for horns. No. 1,283,027; Oct. 29; v. 255; p. 923.
Arnold, George T. (See Breuckman, Franklin C., assignor.)
Arnold, Harry, Bremerton, Wash. Nut-lock. No. 1,288,467; Dec. 24; v. 257; p. 655.
Arnold, Jas. P., *et al.* (See Betts and Corey, assignors.)
Arnold, Lyman, Lynn, Mass., assignor to General Electric Company. Constant-current transformer. No. 1,263,360; Apr. 23; v. 249; p. 746.
Arnold, Olin K., McAlester, Okla. Agricultural implement. No. 1,259,587; Mar. 19; v. 248; p. 543.
Arnold, Oliver H., Jr. (See Pittman, Seneca A., assignor.)
Arnold, Parley, Stockton, Ill. Hay-rack. No. 1,261,201; Apr. 2; v. 249; p. 59.

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Arnold, Raymond A., Marine City, Mich. Plumb-line holder. No. 1,263,017; Apr. 16; v. 249; p. 630.
Arnold, Sigel, Kansas City, Mo. Artificial fish-bait. No. 1,272,183; July 9; v. 252; p. 435.
Arnold, Stanley B., Chicago, Ill. System of power transmission. No. 1,286,899; Dec. 10; v. 257; p. 209.
Arnold, Walter W., Dawson, N. Mex. Means for preventing daylight bank robberies. No. 1,258,297; Mar. 5; v. 248; p. 101.
Arnold, Welcome. (See Kean and Arnold.)
Arnold, William A., *et al.* (See MacKay, William H., assignor.)
Arnold, William R., Geneva, Nebr. Stack-roof. No. 1,278,559; Sept. 10; v. 254; p. 357.
Arnold, Willis C., Warsaw, N. Y., and W. E. Date, Westfield, N. J., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Elevator-controller. No. 1,262,617; Apr. 16; v. 249; p. 516.
Arnot, Douglas F., Orange, Mass. Rotary engine. No. 1,263,993; Apr. 23; v. 249; p. 921.
Arnott, James, Oakland, Cal. Variable-speed mechanism. No. 1,267,619; May 28; v. 250; p. 848.
Arnould, Felicien C. (See Arnould, Firmin J. and F. C.)
Arnould, Firmin J. and F. C., San Francisco, Cal. Rotary valve. No. 1,283,028; Oct. 29; v. 255; p. 923.
Arntz, Joseph P., Canal Fulton, Ohio. Window-bracket. No. 1,283,029; Oct. 29; v. 255; p. 923.
Arntz, Lew, Des Moines, Iowa. Spectacle-lens mount. No. 1,265,417; May 7; v. 250; p. 150.
Arntz, Lew, Des Moines, Iowa. Attachment for eye-glass-mountings. No. 1,266,757; May 21; v. 250; p. 581.
Arntzen, Bernard E., Chicago, Ill. Device for handling invalids. No. 1,257,445; Feb. 26; v. 247; p. 792.
Arolan, Ernest A., Kingston, N. Y. Automobile-signal. No. 1,277,171; Aug. 27; v. 253; p. 877.
Aromint Company, The. (See Earl, Leon P., assignor.)
Aron, Manfred, Charlottenburg, near Berlin, and W. Keppel, Berlin, assignors to Progress, Motoren- und Apparatenbau G. m. b. H., Charlottenburg, near Berlin, Germany. Electric incandescent lamp. No. 1,260,742; Mar. 26; v. 248; p. 911.
Arons, Louis, Chicago, Ill. Trousers-supporter. No. 1,263,729; Apr. 23; v. 249; p. 847.
Aronson, Harry, Roxbury, assignor to Boston Superior Petticoat Company, Boston, Mass. Adjustable skirt. No. 1,265,870; May 14; v. 250; p. 304.
Aronson, Louis V., Newark, N. J. Doll. No. 1,279,490; Sept. 24; v. 254; p. 661.
Aronson, Louis V., Newark, N. J. Match. No. 1,287,819; Dec. 17; v. 257; p. 470.
Arrel, David T., Youngstown, Ohio. Canopy structure. No. 1,286,895; Dec. 10; v. 257; p. 209.
Arrington, Millard F., Jr., New Orleans, La. Supporting-drawers. No. 1,254,463; Jan. 22; v. 246; p. 957.
Arrington, Perry B., Chicago, Ill. Calculating appliance. No. 1,267,043; May 21; v. 250; p. 660.
Arrioja, Miguel de Maria, New York, N. Y. Non-refillable receptacle. No. 1,255,572; Feb. 5; v. 247; p. 133.
Arrow Electric Company, The. (See Gates, Frederic P., assignor.)
Arrow Electric Company, The. (See Nero, Arvid H., assignor.)
Arrow Fuse & Mfg. Co. (See Jung, Oscar H., assignor.)
Arrowsmith, James W., Morristown, N. J. Device for measuring the feet. No. 1,288,795; Dec. 24; v. 257; p. 735.
Arsem, William C., and J. G. E. Wright, Schenectady, N. Y., assignors to General Electric Company. Making silicic acid or hydrated silica. No. 1,270,093; June 18; v. 251; p. 612.
Arsenault, Joseph A., Berlin, N. H. Submarine-chaser. No. 1,270,094; June 18; v. 251; p. 612.
Arsneau, Thomas P., Portland, Oreg. Music-leaf turner. No. 1,271,829; July 9; v. 252; p. 333.
Art in Buttons, Inc. (See Hastings, Herbert, assignor.)
Art Metal Construction Company. (See Bullock, Raymond G., assignor.)
Art Metal Construction Company. (See Fosberg and Strachan, assignors.)
Art Metal Construction Company. (See Jones, James R., assignor.)
Art Metal Construction Company. (See Ulrich, Charles B., assignor.)
Arter, William, assignor to The Persons-Arter Machine Company, Worcester, Mass. Chuck-supporting mechanism. No. 1,264,471; Apr. 30; v. 249; p. 1087.
Arter, William, assignor to The Persons-Arter Machine Company, Worcester, Mass. Vertical shaft and bearing therefor. No. 1,289,358; Dec. 31; v. 257; p. 898.
Arthur, Albert, Cleveland, Ohio. Die-sinking machine. No. 1,258,975; Mar. 12; v. 248; p. 337.
Arthur D. Little, Incorporated. (See Swett, Charles E., assignor.)
Arthur D. Little, Incorporated. (See Wood, Robert O., assignor.)
Arthur, John E., Lanes, Ill. Rail-joint. No. 1,271,532; July 9; v. 252; p. 251.
Arthur, Roy L., Lane, assignor of one-fourth to W. Harrah, Dewitt county, one-twelfth to W. P. Day, Lane, one-twelfth to E. Hendricks, and one-twelfth to A. E. Stone, Clinton, Ill. Hay-frame for wagons. No. 1,262,001; Apr. 9; v. 249; p. 316.
Artificial Limb Supply Co. (See Caron, Louis G., assignor.)
Artigue, Pierre, Kansas City, Mo. Means for producing animated shadowgraphs. No. 1,263,355; Apr. 16; v. 249; p. 722.
Arton, John A., Chicago, Ill. Sofa-bed. No. 1,269,772; June 18; v. 251; p. 527.
Arton, John A., Chicago, Ill. Convertible furniture. No. 1,281,265; Oct. 15; v. 255; p. 375.
Artus, George, Clear Lake, S. D., assignor to Worthington Manufacturing Company, Worthington, Minn. Automatic gasolene and oil vender. No. 1,255,812; Feb. 5; v. 247; p. 202.
Artz, Frederick T., Manchester, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. No. 1,265,584; May 7; v. 250; p. 193.
Artzt, Erich C., Twin Sisters, Tex. Well-casing grapple. No. 1,264,472; Apr. 30; v. 249; p. 1087.
Arundel, Hubert. (See Higginson and Arundel.)
Arundel, Hubert, and J. Higginson, Stockport, England. Lathe. No. 1,259,712; Mar. 19; v. 248; p. 577.
Arvac Manufacturing Company. (See Davis, Smith, and Bright, assignors.)
Arvidson, Carl G. (See Siverson, Simeon, assignor.)
Arvidson, Clarence G. (See Ebelhare and Arvidson.)
Arzinger, William O., Nashville, Tenn. Rotary drier. No. 1,278,288; Sept. 10; v. 254; p. 286.
Arzinger, William O., Nashville, Tenn. Recovering values from their ores. No. 1,282,730; Oct. 29; v. 255; p. 839.
Asbestos Protected Metal Company. (See McAllister, Albert, assignor.)
Asbestos Protected Metal Company. (See Moses and Greene, assignors.)
Asbestos Protected Metal Company. (See Robertson, Harold H., assignor.)
Asbestos Protected Metal Company. (See Roney, William W., assignor.)
Asbestos Protected Metal Company. (See Waugh, William P., assignor.)
Asbestos Shingle, Slate & Sheathing Company. (See Anderson, Robert H., assignor.)
Asbestos Slate Roofing Manufacturing Company. (See Jagenburg, Robert W., assignor.)
Asbury, Dorsey F., assignor to United States Ordnance Company, Washington, D. C. Powder-tank closure. No. 1,281,892; Oct. 15; v. 255; p. 545.
Asbury, Harry E., Philadelphia, Pa. Hand-grenade. No. 1,288,797; Dec. 24; v. 257; p. 735.
Ascheim, Jules, Cedarhurst, N. Y. Making combination-leggings. No. 1,274,837; Aug. 6; v. 253; p. 141.
Ascheim, Jules, Cedarhurst, N. Y. Combination-legging. No. 1,286,198; Dec. 3; v. 257; p. 4.
Aschman, Frederick T., *et al.* (See Collins, James F., assignor.)
Aschman, Frederick T. (See Leese, Thaddeus S., assignor.)
Aschner, Morris H., Long Island, N. Y. Number-illuminating device for motor-vehicles. No. 1,274,838; Aug. 6; v. 253; p. 141.
Ash, Charles S., assignor to Gould & Ash, San Francisco, Cal. Stabilizing temperance cereal beverages. No. 1,271,991; July 9; v. 252; p. 381.
Ash, Louis R. (See Harrington, Howard and Ash.)
Ashby, Earnest J., Henderson, Ky. Trowel. No. 1,277,026; Aug. 27; v. 253; p. 837.
Ashby, Lena B., Homer, Ky. Sanitary sputum-cup. No. 1,266,758; May 21; v. 250; p. 581.
Ashcraft, Albert C., assignor of one-third to S. C. Bageant and R. H. Morrell, Colfax, Wash. Rotary engine. No. 1,286,900; Dec. 10; v. 257; p. 210.
Ashdown, Herbert H., assignor to W. G. Armstrong, Whitworth and Company, Limited, Newcastle-upon-Tyne, England. Casting steel ingots. No. 1,251,951; Jan. 1; v. 246; p. 150.
Ashe, William B., Hampton, Va. Davit. No. 1,257,664; Feb. 26; v. 247; p. 858.
Ashenfarb, Samuel L. (See Oppenheimer and Ashenfarb.)
Ashinger, Herman H., assignor to George Cutter Company, South Bend, Ind. Lighting socket and holder. No. 1,266,651; May 21; v. 250; p. 551.
Ashinger, Herman H., assignor to George Cutter Company, South Bend, Ind. Film-socket. No. 1,274,495; Aug. 6; v. 253; p. 44.
Ashley, Charles G., and E. T. Byshe, assignors to General Engineering and Construction Company, Limited, Toronto, Ontario, Canada. Perforating device. No. 1,278,089; Sept. 10; v. 254; p. 232.
Ashley, Everett P., Woodstock, Vt. Skee-stirrup. No. 1,260,124; Mar. 19; v. 248; p. 696.
Ashley, Frank M., Brooklyn, N. Y. Inkstand. No. 1,280,365; Oct. 1; v. 255; p. 70.
Ashley, William G., assignor to Standard Ball Player Corporation, New Bedford, Mass. Game-exhibiting device. No. 1,280,630; Oct. 8; v. 255; p. 169.
Ashline, Ira, *et al.* (See Wheeler, Harry J., assignor.)
Ashmore, Walter L., and W. T. Morgan, Jr., Macon; said Morgan assignor of two-sixths of the whole right to H. R. Powell, Bibb county, Ga. Process and device for finishing concrete pavements. No. 1,273,022; July 16; v. 252; p. 698.

Ashmusen, Henry W., assignor to Ashmusen Manufacturing Company, Kings Park, N. Y. Pump. No. 1,252,875; Jan. 8; v. 246; p. 446.
Ashmusen Manufacturing Company. (See Ashmusen, Henry W., assignor.)
Ashton, Amasa T., Butler, N. J. Spring-frame for motorcycles. No. 1,283,030; Oct. 29; v. 255; p. 924.
Ashton, Hannah, executrix. (See Ashton, Orrell.)
Ashton, Orrell, Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over and lasting machine. No. 1,280,613; Oct. 1; v. 255; p. 138.
Ashton, Orrell, deceased; H. Ashton, executrix, Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Tacking mechanism. No. 1,276,000; Aug. 20; v. 253; p. 520.
Ashton, Orrell, deceased; H. Ashton, executrix, Swampscott, Mass., assignor, by mesne assignments to United Shoe Machinery Corporation, Paterson, N. J. Tacking mechanism. No. 1,279,491; Sept. 24; v. 254; p. 661.
Ashton, Orrell, deceased; H. Ashton, executrix, Swampscott, Mass., assignor, by mesne assignmens, to United Shoe Machinery Corporation, Paterson, N. J. Machine for forming and inserting staples. No. 1,287,667; Dec. 17; v. 257; p. 415.
Ashworth, Fred, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Guard for shoe-stitching machines. No. 1,253,331; Jan. 15; v. 246; p. 612.
Ashworth, Fred, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. No. 1,255,498; Feb. 5; v. 247; p. 111.
Ashworth, Fred, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Wax-thread shoe-sewing machine. No. 1,265,986; May 14; v. 250; p. 337.
Ashworth, Fred, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. No. 1,286,901; Dec. 10; v. 257; p. 210.
Ashworth, Fred, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. No. 1,286,902; Dec. 10; v. 257; p. 210.
Ashworth, John, Toronto, Ontario, Canada. Aeroplane. No. 1,284,851; Nov. 12; v. 256; p. 394.
Askeland, Norval, Orland, Cal. Tie-wire for cement-sacks. No. 1,266,902; May 21; v. 250; p. 620.
Aslin, Frederick C., Woodford Green, England. Wallet or case for dollar-bills, passports, or the like. No. 1,269,247; June 11; v. 251; p. 351.
Asprooth, Axel H., assignor to Cotta Transmission Company, Rockford, Ill. Change-speed gearing. No. 1,262,618; Apr. 16; v. 249; p. 516.
Asquith, Stead A., Waterloo, Iowa, assignor to Waltham Watch Company, Waltham, Mass. Speed-indicator. No. 1,282,725; Oct. 29; v. 255; p. 838.
Associated Manufacturers Company. (See Edwards, James M., assignor.)
Associated Manufacturers Company. (See Menges, Theodore C., assignor.)
Astley, William F., assignor to Duquesne Rug Company, Pittsburgh, Pa. Loom. No. 1,284,973; Nov. 19; v. 256; p. 463.
Aston, James, assignor to A. M. Byers Company, Pittsburgh, Pa. Manufacture of wrought-iron. No. 1,255,499; Feb. 5; v. 247; p. 111.
Aston, James, assignor to A. M. Byers Company, Pittsburgh, Pa. Manufacture of wrought-iron. (Reissue.) No. 14,457; Apr. 2; v. 249; p. 216.
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Tilting mechanism for cars. No. 1,266,193; May 14; v. 250; p. 396.
Astrom, Carl P., East Orange, N. J. Ball-bearing. No. 1,283,449; Nov. 5; v. 256; p. 3.
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Machine for straightening rods. No. 1,287,820; Dec. 17; v. 257; p. 471.
Atherton, Charles, assignor to J. Gribbel, Philadelphia, Pa. Plaiting mechanism. No. 1,282,360; Oct. 22; v. 255; p. 712.
Atherton, Emory C., Minneapolis, Minn. Shell-loading machine. No. 1,258,736; Mar. 12; v. 248; p. 267.
Atkins, Andrew A., Mineral, Va. Liquid-elevator. No. 1,254,760; Jan. 29; v. 246; p. 1073.
Atkins, Charles H., Palmer, Mass. Steam-trap. No. 1,287,177; Dec. 10; v. 257; p. 280.
Atkins, Earl F. (See Atkins, Frank K. and E. F.)
Atkins, Frank K., New York, N. Y., and E. F. Atkins, Arlington, N. J. Filter. No. 1,273,127; July 23; v. 252; p. 751.
Atkins, James B., assignor to The Goodyear Tire & Rubber Company, Akron, O. Rim structure. No. 1,278,822; Sept. 17; v. 254; p. 458.
Atkins, Joseph L. (See Eaid, Clayton T., assignor.)
Atkins, Newton S., Charleston, W. Va. Air-exhausting device for steam-heating systems. No. 1,277,820; Sept. 3; v. 254; p. 136.
Atkins, Thomas B., Canutillo, Tex. Apparatus for molding silos and the like. No. 1,272,886; July 16; v. 252; p. 661.
Atkins, William, Auburn, N. Y. Draft appliance. No. 1,262,733; Apr. 16; v. 249; p. 550.
Atkins, Will C. (See Standish, Leo V., assignor.)
Atkinson, Alfred C., Wellington, New Zealand. Device for heating metal-casting molds. No. 1,280,631; Oct. 8; v. 255; p. 169.
Atkinson, Frederick C., Indianapolis, Ind. Food product and producing same. No. 1,264,591; Apr. 30; v. 249; p. 1120.
Atkinson, Frederick C., Indianapolis, Ind. Baking-powder and making same. No. 1,264,592; Apr. 30; v. 249; p. 1120.
Atkinson, Frederick C., Indianapolis, Ind. Reducing fats and mixtures containing the same to powder form. No. 1,286,903; Dec. 10; v. 257; p. 210.
Atkinson, Frederick C., Indianapolis, Ind. Baking-powder and making same. No. 1,286,904; Dec. 10; v. 257; p. 211.
Atkinson, George C., Georgetown, Tex. Waterproof car-door. No. 1,251,855; Jan. 1; v. 246; p. 125.
Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. No. 1,286,905; Dec. 10; v. 257; p. 211.
Atkinson, John P., Houston, Tex. Attachment for internal-combustion-engine carbureters. No. 1,278,560; Sept. 10; v. 254; p. 357.
Atkinson, Joseph M., Baltimore, Md. Garment for men. No. 1,279,822; Sept. 24; v. 254; p. 757.
Atkinson, Percival H., Burns, Oreg. Attachment for the check-chutes of check-operated locks. No. 1,266,759; May 21; v. 250; p. 581.
Atkinson, Percival H., Burns, Oreg. Lock mechanism for public lockers and the like. No. 1,281,266; Oct. 15; v. 255; p. 375.
Atkinson, Thomas N., St. Louis, Mo. Necktie holder and former. No. 1,253,457; Jan. 15; v. 246; p. 651.
Atkinson, William W., Clementon, N. J., assignor to The Dentists' Supply Company. Artificial tooth. No. 1,278,415; Sept. 10; v. 254; p. 318.
Atlantic Bottle Company. (See Stilwell, Richard O., assignor.)
Atlantic Dealers and Development Company. (See Manuel, L. W., assignor.)
Atlantic Lithographic and Printing Company. (See Stranders, Julien, assignor.)
Atlantic Refining Company, The. (See Eager, Albert E., assignor.)
Atlantic Refining Company, The. (See Taveau, René D., assignor.)
Atlantic Terra Cotta Company. (See Abbott, William G., Jr., assignor.)
Atlantic Terra Cotta Company. (See Abbott, William G., Jr., assignor.)
Atlantic Welding Company. (See Jansen, Edward W., assignor.)
Atlantic Welding Corporation. (See Jansen and Wattmann, asignors.)
Atlas Auto Specialties Corporation. (See Magness, John C., assignor.)
Atlas Manufacturing Company. (See Billingsley, Percy L., assignor.)
Atlas Powder Company. (See Fletcher, William E., assignor.)
Atlas Powder Company. (See Given, Guy C., assignor.)
Atlas Powder Company. (See Strane, Archibald J., assignor.)
Atlas Powder Company. (See Mathers, Herbert L., assignor.)
Atlas Tack Company. (See Raiche, Andrew, assignor.)
Atlee, Joshua W., Riverton, N. J. Portable cargo batten-cleat. No. 1,252,533; Jan. 8; v. 246; p. 350.
Atterbury, Grosvenor, New York, N. Y., assignor to Standardized Housing Corporation. Sectional cementitious structure. No. 1,254,109; Jan. 22; v. 246; p. 856.
Atterbury, Grosvenor, New York, N. Y., assignor to Standardized Housing Corporation. Building-block. No. 1,255,573; Feb. 5; v. 247; p. 134.
Atterbury, Grosvenor, New York, N. Y., assignor to Standardized Housing Corporation. Apparatus for molding or casting. No. 1,289,599; Dec. 31; v. 257; p. 958.
Attila, Sulo, assignor to Deutsche-Elektro-Sparlicht-Gesellschaft, Frankfort-on-the-Main, Germany. Transformer and making the same. No. 1,260,743; Mar. 26; v. 248; p. 911.
Attractoscope Corporation. (See Scott and Van Altena, assignors.)
Atwell, George M. (See Stilwill, Fred W., assignor.)
Atwell, Lewis E. (See Zweibel and Atwell.)
Atwood, Earl K., Waterville, Me. Feeding mechanism for conditioning-machines. No. 1,253,923; Jan. 15; v. 246; p. 782.
Atwood, Edwin H. (See Wright and Atwood.)
Atwood, Harry A. (See Hasty and Atwood.)
Atwood, Harry C., assignor to Durkee-Atwood Co., Minneapolis, Minn. Tire-patch. No. 1,268,536; June 4; v. 251; p. 132.
Atwood, Leonard, Boston, Mass. Fishing-reel. No. 1,284,039; Nov. 5; v. 256; p. 157.
Atwood Machine Company, The. (See Bradley, Edward E., assignor.)

Alphabetical list of patentees—Continued.

Atwood, Seth B., Rockford, Ill. Adjustable buffer and antirattler for doors. No. 1,269,575; June 18; v. 251; p. 470.
Atwood, Smith F., Chicago, Ill. Liquid-fuel burner. No. 1,276,160; Aug. 20; v. 253; p. 565.
Atwood, Walter W., assignor of one-half to H. P. Boyce, Tampa, Fla. Clamp. No. 1,281,480; Oct. 15; v. 255; p. 435.
Atwood, Winfield A., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,256,195; Feb. 12; v. 247; p. 357.
Atwood, Winfield A., Schenectady, N. Y., assignor to General Electric Company. Circuit-interrupter. No. 1,261,677; Apr. 2; v. 249; p. 195.
Aubertin, John J., Jr., St. Louis, Mo. Solder for aluminum. No. 1,256,285; Feb. 12; v. 247; p. 383.
Auclair, Napoleon J., Portland, Oreg. Mail-bag delivering means. No. 1,266,760; May 21; v. 250; p. 582.
Audemars, Edmond J. F., Paris, France. Removable coupling-sleeve. No. 1,275,996; Aug. 13; v. 253; p. 488.
Audiffred, Alfred, Virginia City, Mont. Necktie-form. No. 1,265,721; May 14; v. 250; p. 261.
Aue, Carlton W., Granite Falls, Wash. Coupling mechanism for log-carriages. No. 1,252,644; Jan. 8; v. 246; p. 383.
Auel, Carl B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Temperature-regulating device. No. 1,253,201; Jan. 15; v. 246; p. 573.
Auel, Carl B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lamp-guard. No. 1,289,076; Dec. 31; v. 257; p. 827.
Auer, George, White Plains, N. Y. Concrete-fence construction. No. 1,280,632; Oct. 8; v. 255; p. 169.
Auer, George S., Cleveland, Ohio. Floor-register. No. 1,255,848; Feb. 12; v. 247; p. 253.
Auer, John, Portland, Oreg. Fruit and vegetable peeling brush. No. 1,274,663; Aug. 6; v. 253; p. 93.
Auer, John, Portland, Oreg. Drill. No. 1,275,197; Aug. 13; v. 253; p. 266.
Auerbach, Julia H., Los Angeles, Cal. Detachable self-adjusting corset-strap. No. 1,271,259; July 2; v. 252; p. 143.
Aufuldish, John B., Dayton, Ohio. Clamp. No. 1,265,287; May 7; v. 250; p. 114.
Auge, Joseph N., Jr., assignor to Fairbanks, Morse & Co., St. Paul, Minn. Combination truck and wagon dump. No. 1,283,031; Oct. 29; v. 255; p. 924.
Auge, Joseph N., Jr., assignor to Fairbanks, Morse & Co., St. Paul, Minn. Combined truck and wagon dump. No. 1,283,032; Oct. 29; v. 255; p. 924.
Augenbraun, Peter F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 1,278,561; Sept. 10; v. 254; p. 357.
August Goertz & Co. (See Eigen, Benno vom, assignor.)
August Goertz & Co. (See Von Eigen, Benno, assignor.)
Auld, Demas L., Columbus, Ohio. Device for securing name-plates and the like. No. 1,286,199; Dec. 3; v. 257; p. 4.
Auld, Frederick H., Columbus, Ohio. Device for securing name-plates and the like. No. 1,263,994; Apr. 23; v. 249; p. 921.
Auld, Frederick H., Columbus, Ohio. Device for securing name-plates and the like. No. 1,274,497; Aug. 6; v. 253; p. 45.
Auld, John, and J. Graham, Glasgow, Scotland. Automatic controlling-valve. No. 1,261,340; Apr. 2; v. 249; p. 100.
Aull, Jerome J., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Whistle. No. 1,288,798; Dec. 24; v. 257; p. 736.
Aulson, Edward R., Waukegan, Ill., and J. W. Aulson, Lynn, Mass., assignors to J. W. Aulson & Sons, Waukegan, Ill. Hide-working machine. No. 1,279,963; Sept. 24; v. 254; p. 797.
Aulson, John W. (See Aulson, Edward R. and J. W.)
Aulson, John W., Lynn, assignor to Merrow Machine Co., Salem, Mass. Blacking-machine. No. 1,270,684; June 25; v. 251; p. 799.
Aulson & Sons, J. W. (See Aulson, Edward R. and J. W., assignors.)
Ault, Ella A., Craft, Tex. Milk-warmer. No. 1,278,562; Sept. 10; v. 254; p. 357.
Aultman and Taylor Machinery Company, The. (See Pedelty, Walter B., assignor.)
Aumann, Louis A. (See O'Connell, John, assignor.)
Aument, Carroll M., New Brunswick, N. J. Spring suspension. No. 1,289,600; Dec. 31; v. 257; p. 958.
Aurand, Frank E., Oak Park, assignor of one-half to G. W. Lunn, Chicago, Ill. Commutator-slotting device. No. 1,260,125; Mar. 19; v. 248; p. 696.
Aurièma, Louis S., Athens, Greece. Watch. No. 1,259,197; Mar. 12; v. 248; p. 401.
Aurièma, Louis S., Athens, Greece. Watch. No. 1,259,198; Mar. 12; v. 248; p. 401.
Aurora Automatic Machinery Co. (See Anderson, Adolph, assignor.)
Auscher, Léon. (See Rheims and Auscher.)
Austen, Thomas M., Ithaca, N. Y. Torpedo-guard for ships. No. 1,265,161; May 7; v. 250; p. 80.
Auster, Louis, New York, N. Y. Folding suitcase. No. 1,287,821; Dec. 17; v. 257; p. 471.
Austin, Albert L., Cleveland, Ohio. Resilient-tire filler. No. 1,278,416; Sept. 10; v. 254; p. 319.
Austin, Allen C., Syracuse, N. Y. Pressing-machine. No. 1,252,988; Jan. 8; v. 246; p. 482.
Austin, Arthur A., Pittsburgh, Pa. Lighting-fixture. No. 1,253,458; Jan. 15; v. 246; p. 651.
Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Loading-rack. No. 1,281,267; Oct. 15; v. 255; p. 375.
Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. No. 1,281,268; Oct. 15; v. 255; p. 376.
Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Strain-insulator. No. 1,284,974; Nov. 19; v. 256; p. 463.
Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Sanded insulator and making the same. No. 1,284,975; Nov. 19; v. 256; p. 463.
Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. No. 1,284,976; Nov. 19; v. 256; p. 464.
Austin, Atwell. (See Kent and Austin.)
Austin, Basil G., assignor to Austin Organ Company, Hartford, Conn. Pneumatic organ-action. No. 1,277,529; Sept. 3; v. 254; p. 54.
Austin, Francis S., assignor to Carbo-Hydrogen Co. of America, Pittsburgh, Pa. Metal-cutting device. No. 1,260,744; Mar. 26; v. 248; p. 911.
Austin, Frederick C. (See Anderson, Vincent G., assignor.)
Austin, Frederick C. (See Bager, Frederic E., assignor.)
Austin, Frederick C. (See Bentson, Hans J., assignor.)
Austin, Frederick C. (See Bunnell, Morton G., assignor.)
Austin, Frederick C. (See French, James C., assignor.)
Austin, Frederick C. (See Houghton, Orley C., assignor.)
Austin, Frederick C. (See Pierce, John M., assignor.)
Austin, Frederick C. (See Steenrod, Julius L., assignor.)
Austin, Frederick C. (See Woodin, Norman C., assignor.)
Austin, Harry S., Rome, N. Y. Combination seat and table. No. 1,271,830; July 9; v. 252; p. 333.
Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Combination organ-stop action. No. 1,279,492; Sept. 24; v. 254; p. 662.
Austin, Louis W. (See Squier, Austin, and Cohen.)
Austin Organ Company. (See Austin, Basil G., assignor.)
Austin Organ Company. (See Austin, John T., assignor.)
Austin, Raymond C. (See Worthington and Austin.)
Austin, Walter M. (See Mahoney and Austin.)
Austin, Walter M., Swissvale, Pa. Variable-stroke internal-combustion engine. No. 1,278,563; Sept. 10; v. 254; p. 358.
Austin, Walter S., Pittsburgh, Pa. Mechanical toy. No. 1,287,608; Dec. 17; v. 257; p. 416.
Ausubel, Herman, New York, N. Y. Toot-brush holder. No. 1,274,133; July 30; v. 252; p. 1063.
Ausucua, Juan, New York, N. Y. Coffee, tea, and milk urn. No. 1,256,424; Feb. 12; v. 247; p. 425.
Auto Betterment Corporation. (See Kennedy, Guy L., assignor.)
Auto Gas Register Company, The. (See Howden, William N., assignor.)
Auto Indicator Company. (See Cilley, Ithiel J. and V. I., assignors.)
Auto Inspirator Co. (See Brock, John O., assignor.)
Auto Motive Parts Co. (See Schwitzer, Louis, assignor.)
Auto Pneumatic Action Company, The. (See Danquard, Thomas, assignor.)
Auto Pneumatic Action Company. (See Johnson, Oscar, assignor.)
Auto Specialties Manufacturing Co. (See Bair, Clarence L., assignor.)
Auto Specialties Manufacturing Co. (See Seltenreich, John J., assignor.)
Auto Specialties Manufacturing Company. (See Kiehler, Frederick, assignor.)
Auto-Speed Recorder Company, The. (See Jeske, Charles A. and C. P., assignors.)
Auto Strop Company. (See Schumacher, Conrad, assignor.)
Auto Utilities Manufacturing Company. (See Breidert, George C., assignor.)
Autographic Recorder Company. (See Barrett, Thomas J., assignor.)
Autographic Recorder Company. (See Wallbillich, Anthony F., assignor.)
Automatic Arc Welding Company. (See Morton, Harry D., assignor.)
Automatic Bookkeeping Register Company. (See Hayes, Benjamin P., assignor.)
Automatic Bookkeeping Register Company. (See Hayes and Laughlin, assignors.)
Automatic Button Co. (See Kefflo, Albert F., assignor.)
Automatic Carburetor Co. (See Church, Edmund S., assignor.)
Automatic Container Company. (See Read, Frank P., assignor.)
Automatic Controller and Manufacturing Company. (See Redfield, Cleveland, assignor.)
Automatic Electric Company. (See Andersen, Albert, assignor.)
Automatic Electric Company. (See Blessing, John G., assignor.)

Automatic Electric Company. (See Blessing and Willis, assignors.)
Automatic Electric Company. (See Campbell, Wilson L., assignor.)
Automatic Electric Company. (See Clemmer, Charles W., assignor.)
Automatic Electric Company. (See Erickson, John, assignor.)
Automatic Electric Company. (See Fales, Edward D., assignor.)
Automatic Electric Company. (See Fish, Herbert L., assignor.)
Automatic Electric Company. (See Fricke, William A., assignor.)
Automatic Electric Company. (See Gifford, Roy C., assignor.)
Automatic Electric Company. (See Groh, Bernard C., assignor.)
Automatic Electric Company. (See Hershey, Harry E., assignor.)
Automatic Electric Company. (See Hershey and Yanochowski, assignors.)
Automatic Electric Company. (See Hovland, Henry, assignor.) (Reissue.)
Automatic Electric Company. (See Keith, Alexander E., assignor.)
Automatic Electric Company. (See Lamb, Willis E., assignor.)
Automatic Electric Company. (See Lubberger, Fritz, assignor.)
Automatic Electric Company. (See Malmberg, Anders M., assignor.)
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Automatic Electric Company. (See Mellinger, Edward A., assignor.)
Automatic Electric Company. (See Neir and Groh, assignors.)
Automatic Electric Company. (See Newforth, Frank, assignor.)
Automatic Electric Company. (See Piper, Arthur L., assignor.)
Automatic Electric Company. (See Powell, Winfred T., assignor.)
Automatic Electric Company. (See Ray, Arthur J., assignor.)
Automatic Electric Company. (See Smith, Arthur B., assignor.)
Automatic Electric Company. (See Stolp, Samuel S., assignor.)
Automatic Electric Company. (See Stroud, Harold, assignor.)
Automatic Electric Company. (See Willis, Bernard D., assignor.)
Automatic Electric Company. (See Yanochowski, George A., assignor.)
Automatic Electric Company. (See Yanochowski and Hershey, assignors.)
Automobile Electric Equipment Company. (See Wood, James A., assignor.)
Automatic Exploder Company. (See Schraga, Ernest H., assignor.)
Automatic Flagman Company. (See Fitz Gerald, John M., assignor.)
Automatic Gas Radiator Company. (See Schroder, Bernard A., assignor.)
Automatic Irrigating Machinery Corporation. (See Elder, Donald, assignor.)
Automatic Machine Products Co. (See Clark and Browander, assignors.)
Automatic Machinery Company. (See Van Silver and Purcell, assignors.)
Automatic Packing & Labeling Company. (See Gwinn, George W., assignor.)
Automatic Packing & Labeling Company. (See Leary, James W., assignor.)
Automatic Pencil Sharpener Company. (See Spengler, Charles C., assignor.)
Automatic Phono-Stop Company. (See Rider, Herbert E., assignor.)
Automatic Powdered Soap Dispenser Company. (See Beckman, John W., assignor.)
Automatic Railroad Appliances Co. (See Lawn and Ryan, assignors.)
Automatic Railway Control Company. (See Weil, Maximilian, assignor.)
Automatic Reclosing Circuit Breaker Company, The. (See Raney, Estell C., assignor.)
Automatic Refrigerating Company. (See Marshall, Albert T., assignor.)
Automatic Search Light Company. (See Wogenstahl, Leo J., assignor.)
Automatic Sprinkler Company of America. (See Hamilton, John R., assignor.)
Automatic Sprinkler Company of America. (See Thompson, Everett L., assignor.)
Automatic Straight Air Brake Company. (See Pierce, Guy C., assignor.)
Automatic Tool Supply Company. (See Jacoby, William, assignor.)
Automatic Train Control & Signal Company. (See Thurber, Guy P., assignor.)
Automatic Transportation Company, The. (See Carr, William C., assignor.)
Automatic Utilities Co. (See Eddy, Kenneth L., assignor.)
Automatic Vending Machine Co. (See Hartman, Hans, assignor.)
Autopiano Company. (See La Joie, Herbert J., assignor.)
Autopress Company, The. (See Freeman, Rufus A., assignor.)
Autosales Corporation. (See Barber and Grover, assignors.)
Autosales Corporation. (See Grover, Albert D., assignor.)
Autosales Corporation. (See Grover and Barber, assignors.)
Autosales Gum & Chocolate Company. (See Grover, Albert D., assignor.)
Autosales Gum & Chocolate Company. (See Grover and Barber, assignors.)
Autosales Gum and Chocolate Company. (See Webster, John A., assignor.)
Autry, Daniel W., Gainesville, Ga. Wagon-brake. No. 1,278,564; Sept. 10; v. 254; p. 358.
Averill, Georgene, New York, N. Y. Doll. No. 1,269,363; June 11; v. 251; p. 382.
Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Car-coupling anchorage. No. 1,277,355; Sept. 3; v. 254; p. 5.
Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Car signal system. No. 1,284,977; Nov. 19; v. 256; p. 464.
Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Emergency air-brake attachment. No. 1,288,468; Dec. 24; v. 257; p. 655.
Averill, William H., Boston, Mass. Loose-leaf binder. No. 1,275,198; Aug. 13; v. 253; p. 267.
Averitt, Robert W., Fort Worth, Tex. Heater. No. 1,253,118; Jan. 8; v. 246; p. 522.
Averitt, Robert W., Fort Worth, Tex. Combined dimmer and adjuster for headlights. No. 1,262,429; Apr. 9; v. 249; p. 434.
Averitt, Uri V., Hanover, Ind. Combination salt and pepper shaker. No. 1,259,469; Mar. 19; v. 248; p. 509.
Avers, Franklin H., Portage, Wis., assignor to Nicholas Power Company, New York, N. Y. Indicating device for moving-picture films. (Reissue.) No. 14,532; Oct. 8; v. 255; p. 345.
Avery, Arnold, Mallorytown, Leeds, Ontario, Canada. Tire-protector. No. 1,256,763; Feb. 19; v. 247; p. 558.
Avery Company. (See Bartholomew, John B., assignor.)
Avery Company. (See Davis, Frank M., assignor.)
Avery, Courtney C. (See Underhill and Avery.)
Avery, Henry C. (See McCorkindale and Avery.)
Avery, John M., Dallas, Tex. Resilient wheel. No. 1,273,121; July 23; v. 252; p. 750.
Avery, John M., Dallas, Tex. Elastic tire. No. 1,283,033; Oct. 29; v. 255; p. 924.
Avery, True M., Glens Falls, N. Y., assignor to The Union Bag & Paper Company. Mechanism for controlling the running of a web of printed material. No. 1,256,286; Feb. 12; v. 247; p. 383.
Avery, W. & T. (See Howles, Walter R., assignor.)
Avery, Willoughby M., and J. B. Booth, Greensboro, N. C., assignors of two-thirds to said Avery and one-third to said Booth. Train-stop. No. 1,254,645; Jan. 29; v. 246; p. 1038.
Avilla, Philip, San Francisco, Cal. Internal-combustion engine. No. 1,270,585; June 25; v. 251; p. 773.
Avilov, Boris I., assignor to Aksai Machinery Corporation, New York, N. Y. Differential lock for vehicles. No. 1,262,430; Apr. 9; v. 249; p. 435.
Avis, Braxton D., Clarksburg, W. Va. Coloration method. No. 1,277,172; Aug. 27; v. 253; p. 878.
Avis, William C., North Kansas City, assignor of one-fourth to C. F. Schooling and one-fourth to E. R. Bell, Kansas City, Mo. Rail-joint. No. 1,270,768; July 2; v. 252; p. 4.
Avoscan, Tomas, New York, N. Y. Motor-wheel for skaters. No. 1,259,470; Mar. 19; v. 248; p. 509.
Avram, Moïs H., assignor to Slocum, Avram & Slocum, New York, N. Y. Motion-picture apparatus. No. 1,260,280; Mar. 19; v. 248; p. 740.
Avram, Moïs H., assignor to Slocum, Avram & Slocum, Inc., New York, N. Y. Automatic time-switch. No. 1,279,964; Sept. 24; v. 254; p. 797.
Awischus, August, Benson, Nebr. Conveyer. No. 1,256,971; Feb. 19; v. 247; p. 621.
Axe, Roy T., assignor to O. M. Edwards, Syracuse, N. Y. Weather-strip. No. 1,268,420; June 4; v. 251; p. 99.
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Spring-roller. No. 1,284,978; Nov. 19; v. 256; p. 464.
Axelson, Delbert F., Los Angeles, Cal., assignor to Axelson Machine Co. Pump-cylinder. No. 1,271,260; July 2; v. 252; p. 143.
Axelson Machine Co. (See Axelson, Delbert F., assignor.)
Axford, Percy I. (See Putnam and Axford.)
Axilrod, Meyer, New York, N. Y. Supporting and adjusting means for clutch and brake mechanism. No. 1,260,296; Mar. 26; v. 248; p. 779.
Axilrod, Meyer, assignor to Safety Machinery Corporation, New York, N. Y. Adjustable bearing-support. No. 1,281,269; Oct. 15; v. 255; p. 376.

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Ayars, Charles H., assignor to Ayars Machine Co., Salem, N. J. Can-filling machine. No. 1,255,377; Feb. 5; v. 247; p. 76.
Ayars Machine Co. (See Ayars, Charles H., assignor.)
Ayars, Walter F., Bridgeton, N. J. Shade-roller support. No. 1,260,851; Mar. 26; v. 248; p. 941.
Ayars, Walter F., Bridgeton, N. J. Street-cleaning machine. No. 1,274,664; Aug. 6; v. 253; p. 93.
Aydelotte, Gurdy L., Miami, Fla. Land-torpedo. No. 1,276,706; Aug. 27; v. 253; p. 754.
Aydelott, Jacob S., Columbus, assignor of one-fourth to M. M. Davis, Uhrichsville, Ohio. Window-screen. No. 1,289,077; Dec. 31; v. 257; p. 827.
Ayer, Fernando P. (See Ryan and Ayer)
Ayler, Frank, Washtucna, Wash. Vehicle-brake. No. 1,289,078; Dec. 31; v. 257; p. 827.
Ayers, Byron H., Minneapolis, Minn. Work-box. No. 1,284,979; Nov. 19; v. 256; p. 465.
Ayers, Frank W., assignor of one-half to C. C. Felt, Portland, Oreg. Metallic-letter-casting machine. No. 1,272,887; July 16; v. 252; p. 661.
Ayerst, Harry C., assignor to Sanitary Pulp Products Company, Seattle, Wash. Machine for liquid-proofing vessels. No. 1,252,315; Jan. 1; v. 246; p. 252.
Ayerst, Harry C., Seattle, Wash. Process and apparatus for making bottles from paper pulp. No. 1,265,162; May 7; v. 250; p. 80.
Aylard, William C. (See Petty and Aylard.)
Aylard, William C., and J. P. Petty, Reading, England. Machine for knocking up sheets and the like, particularly paper sheets. No. 1,279,493; Sept. 24; v. 254; p. 662.
Aylard, William C., and J. P. Petty, Reading, England. Knocking up sheets and the like, particularly paper sheets. No. 1,279,494; Sept. 24; v. 254; p. 662.
Aylsworth, Jonas W., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Sound-record. No. 1,255,500; Feb. 5; v. 247; p. 111.
Ayling, Alfred A. (See Ayling, William and A. A.)
Ayling, William and A. A., Detroit, Mich. Ignition-lock for automobiles. No. 1,287,604; Dec. 17; v. 257; p. 415.
Aylsworth, Adelaide M., *et al.*, executors. (See Aylsworth, Jonas W.)
Aylsworth, Jonas W., deceased; A. M. Aylsworth and Savings Investment and Trust Company, executors, East Orange, N. J. Production of benzene sulfonic acid and alkali benzene sulfonate. No. 1,260,852; Mar. 26; v. 248; p. 941.
Aylsworth, Jonas W., East Orange, N. J., assignor to Condensite Company of America. Plastic composition. (Reissue.) No. 14,530; Oct. 8; v. 255; p. 344.
Aylsworth, Jonas W., deceased, East Orange, N. J.; Condensite Company of America, assignee. Plastic composition. (Reissue.) No. 14,531; Oct. 8; v. 255; p. 344.
Aylsworth, Jonas W., East Orange, and E. L. Aiken, Orange, assignors, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Production of sound-records. No. 1,282,011; Oct. 15; v. 255; p. 574.
Aylsworth, Jonas W., deceased; A. M. Aylsworth and Savings Investment and Trust Company, executors, East Orange; said Jonas W. Aylsworth assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Sound-record. No. 1,283,450; Nov. 5; v. 256; p. 3.
Ayotte, Joseph R., Chicago, Ill. Spark-plug. No 1,287,822; Dec. 17; v. 257; p. 471.
Ayres, Amos E., and J. J. Donley, Salida, Colo. Cooking utensil. No. 1,288,799; Dec. 24; v. 257; p. 736.
Ayres, Carlos C., Detroit, Mich. Steam, electric, and compressed-air car coupling. No. 1,262,908; Apr. 16; v. 249; p. 599.
Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Drier. No. 1,255,685; Feb. 5; v. 247; p. 165.
Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Drier. No. 1,255,686; Feb. 5; v. 247; p. 165.
Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Machine for dampening leather. No. 1,259,199; Mar. 12; v. 248; p. 401.
Ayres, Harold B., Columbia, S. C. Check-book. No. 1,277,284; Aug. 27; v. 253; p. 905.
Ayres, Levi P., Indianapolis, Ind. Generator-governor. No. 1,282,522; Oct. 22; v. 255; p. 755.
Ayres, Levi P., and S. F. Johnson, assignors to Hendricks Novelty Company, Indianapolis, Ind. Friction transmission mechanism. No. 1,256,425; Feb. 12; v. 247; p. 425.
Ayres, Richard S., Brookline, Mass. Boot or shoe heel. No. 1,270,586; June 25; v. 251; p. 774.
Ayrhart, Frank W., Redfield, S. D. Metallic brush or cleaner for cleaning flues of steam-boilers. No. 1,278,823; Sept. 17; v. 254; p. 459.
Ayrton, Hertha, Hyde Park, London, England. Arc-light carbon. No. 1,261,891; Apr. 9; v. 249; p. 286.
Azadian, Harutun B., Syracuse, N. Y. Gage. No. 1,273,986; July 30; v. 252; p. 1022.
Azadian, Harutun B., Syracuse, N. Y. Gage. No. 1,273,987; July 30; v. 252; p. 1022.
Azevedo, John F., Santa Rosa, Cal. Powder containing and dispensing device. No. 1,261,001; Apr. 2; v. 249; p. 3.
Azoline, Albert J. (See Azoline, Peter M. and A. J.)
Azoline, Peter M. and A. J., Torrington, Conn. Incubator attachment. No. 1,265,717; May 7; v. 250; p. 229.
Azzoni, Cesare. (See Azzoni, Oreste E. S. and C.)
Azzoni, Oreste E. S. and C., New York, N. Y. Reflecting-camera. No. 1,284,980; Nov. 19; v. 256; p. 465.
B. Schultz & Co. (See Schultz, Bernard, assignor.)
B. A. Ballou & Co. (See Ballou, Frederick A., assignor.)
B. A. Ballou & Co. (See Ballou, Frederick A., Jr., assignor.)
B. A. Ballou & Co. (See Goozey, Charles A., assignor.)
B. A. Corbin and Son Company. (See Groat, Joseph E., assignor.)
B. B. Manufacturing Company. (See Beebe, Charles S., assignor.)
B. & B. Photo Co. (See Bergman, Wilhelm, assignor.)
B. B. & B. Trunk Company. (See Boyd, Abram H., assignor.)
B. F. Avery & Sons. (See Ray, Charles T., assignor.)
B. F. Cummins Company, The. (See Swanson, Hjalmar, assignor.)
B. F. Goodrich Company, The. (See Butler, James L., assignor.)
B. F. Goodrich Company, The. (See Converse, Francis B., assignor.)
B. F. Goodrich Company, The. (See Curtis, Henry E., assignor.)
B. F. Goodrich Company, The. (See Evans, Charles R., assignor.)
B. F. Goodrich Company, The. (See Gammeter, John R., assignor.)
B. F. Goodrich Company, The. (See Knowlton and Hoffman, assignors.)
B. F. Goodrich Company, The. (See Kroeger, Edwin J., assignor.)
B. F. Goodrich Company, The. (See Lohmann, Alfred P., assignor.)
B. F. Goodrich Company, The. (See Pearce, William, assignor.)
B. F. Goodrich Company, The. (See Pierson, Robert M., assignor.)
B. F. Goodrich Company, The. (See Renner, Irvin R., assignor.)
B. F. Goodrich Company, The. (See Tew, James D., assignor.)
B. F. Goodrich Company, The. (See Wagenhorst, James H., assignor.)
B. F. Sturtevant Company. (See Allen, George W., assignor.)
B. F. Sturtevant Company. (See Bentley, Oliver D. H., assignor.)
B. F. Sturtevant Company. (See Bergstrom, Carl O., assignor.)
B. F. Sturtevant Company. (See Ross, John O., assignor.)
B. V. D. Company, The. (See Heyn, Edmund C., assignor.)
Baader, Stephan, and A. Rieffel, Philadelphia, Pa. Tire. No. 1,261,341; Apr. 2; v. 249; p. 100.
Baader, Stephan, Philadelphia, Pa. Reversing-gear. No. 1,268,912; June 11; v. 251; p. 257.
Baake, Charles, West Hoboken, N. J. Combined grip-carrier and strap-hanger. No. 1,279,073; Sept. 17; v. 254; p. 527.
Baalsrud, Sigurd, Christiania, Norway. Means for reading off angle measurements in tachymeters and other angle measuring instruments. No. 1,263,353; Apr. 16; v. 249; p. 722.
Baán, Johann, Verbó, Hungary. Liquid-meter. No. 1,271,261; July 2; v. 252; p. 144.
Baars, Ernest S. H. (See Richter and Baars.)
Baars, Fred C., Elkader, Iowa. Gambrel. No. 1,265,722; May 14; v. 250; p. 261.
Baas, John, Milwaukee, Wis. Nut-lock. No. 1,261,002; Apr. 2; v. 249; p. 3.
Baash, Lawrence F., Fillmore, Cal. Casing-perforator No. 1,259,340; Mar. 12; v. 248; p. 440.
Baash, Lawrence F., Fillmore, Cal. Casing-perforator. No. 1,272,597; July 16; v. 252; p. 576.
Babb, John W., Chicago, Ill. Cutting garments. No. 1,274,364; Aug. 6; v. 253; p. 3.
Babb, Maurice J., Ardmore, Pa., assignor to The S. S. White Dental Manufacturing Company. Articulator. No. 1,285,896; Nov. 26; v. 256; p. 736.
Babcock, Elisha W., assignor of one-half to J. E. Kitchen, Lorain, Ohio. Artificial leg. No. 1,259,588; Mar. 19; v. 248; p. 543.
Babcock, Henry W., Onarga, Ill. Dental process. (Reissue.) No. 14,487; June 18; v. 251; p. 655.
Babcock, John, Long Island City, N. Y. Lumber-stacking machine. No. 1,274,839; Aug. 6; v. 253; p. 142.
Babcock, Omar L., Winnebago, Nebr. Demountable-rim tool. No. 1,263,510; Apr. 23; v. 249; p. 789.
Babcock, Omar L., and C. I. Lennen, Winnebago, Nebr. Vehicle-jack and rim-tool. No. 1,261,003; Apr. 2; v. 249; p. 4.
Babcock Printing Press Manufacturing Company, The. (See Fenner, George P., assignor.)
Babcock, Richard E. (See McLaughlin and Babcock.)

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Babcock, Richard E., Barcroft, Va., assignor, by mesne assignments, to C. S. Chase, Hartford, Conn. Fastening means. No. 1,279,217; Sept. 17; v. 254; p. 563.
Babcock, Wade H., assignor of one-half to H. E. Whittle, Cleveland, Ohio. Advertising device. No. 1,272,184; July 9; v. 252; p. 435.
Babcock & Wilcox Company, The. (See Agar, Robert, assignor.)
Babcock & Wilcox Company, The. (See Harter, Isaac, Jr., assignor.)
Babcock & Wilcox Company, The. (See Heaton, Herman C., assignor.)
Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
Babcock & Wilcox Company, The. (See Jacobus and Heaton, assignors.)
Babcock & Wilcox Company, The. (See Peabody, Ernest H., assignor.)
Babcock & Wilcox Company, The. (See Peabody and Stillman, assignors.)
Babcock & Wilcox Company, The. (See Pratt, Arthur D., assignor.)
Babich, George G., New York, N. Y. Grave-lining. No. 1,251,616; Jan. 1; v. 246; p. 52.
Babich, George G., New York, N. Y. Coffin-box. No. 1,259,068; Mar. 12; v. 248; p. 364.
Babich, George G., New York, N. Y. Burial-vault. No. 1,267,495; May 28; v. 250; p. 812.
Babinec, Stephen, Shelby, Mich. Ship-protector. No. 1,256,638; Feb. 19; v. 247; p. 522.
Babitzky, Joseph, assignor of one-half to J. L. Goldman, Cleveland, Ohio. Picture hook or hanger. No. 1,255,274; Feb. 5; v. 247; p. 45.
Bable, Edward M., Sistersville, W. Va., assignor of one-half to T. S. Hanes, Kanauga, Ohio. Nut-lock. No. 1,261,004; Apr. 2; v. 249; p. 4.
Bach, Christopher, Jr., Milwaukee, Wis. Cutting-tool. No. 1,270,254; June 25; v. 251; p. 681.
Bach, Harvey W., Gardena, Cal. Pin-delivering receptacle. No. 1,284,210; Nov. 12; v. 256; p. 231.
Bach, Leopold, and E. Kubler, New York, N. Y. Toy. No. 1,287,178; Dec. 10; v. 257; p. 280.
Bach, Nicholas, Brooklyn, N. Y. Antirattler. No. 1,261,471; Apr. 2; v. 249; p. 135.
Bach, William, and W. A. Cunningham, New York, N. Y. Arc-lamp for moving-picture studios. No. 1,258,519; Mar. 5; v. 248; p. 166.
Bachand, Delmery T., Springfield, assignor of one-half to J. Chevalier, Jr., Chicopee, Mass. Measuring device. No. 1,273,720; July 23; v. 252; p. 909.
Bache, Leigh S., Middlesex borough, N. J., assignor to Bound Brook Oil-Less Bearing Company. Self-lubricating bearing. No. 1,266,381; May 14; v. 250; p. 445.
Bache, Leigh S., Middlesex borough, N. J., assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Top-roll saddle and stirrup. No. 1,276,707; Aug. 27; v. 253; p. 754.
Bache, Leigh S., deceased; M. S. Bache, executrix, assignor to Bound Brook Oil-less Bearing Company, Boundbrook, N. J. Lubricated cock and valve. No. 1,261,469; Apr. 2; v. 249; p. 134.
Bache, Mabel S., executrix. (See Bache, Leigh S.)
Bachelder, Elmer N., Portland, Me. Coffee-urn. No. 1,259,471; Mar. 19; v. 248; p. 510.
Bachelder, Frank H., Orange, Mass. Hemstitching attachment for sewing-machines. No. 1,265,585; May 7; v. 250; p. 194.
Bacheldor, William. (See Holland, Carringer, and Bacheldor.)
Bachem, Maximillian, Detroit, Mich. Metallic vehicle-wheel. No. 1,256,639; Feb. 19; v. 247; p. 522.
Bachem, Maximillian, Detroit, Mich. Metallic wheel. No. 1,256,640; Feb. 19; v. 247; p. 523.
Bacher, Rollin L., assignor to The United States Air Compressor Company, Cleveland, Ohio. Pressure-release. No. 1,255,574; Feb. 5; v. 247; p. 134.
Bachfield, Edward C., Indianapolis, Ind. Railway-switch. No. 1,256,094; Feb. 12; v. 247; p. 325.
Bachfield, Edward C., Indianapolis, Ind. Railway-bed. No. 1,256,095; Feb. 12; v. 247; p. 325.
Bachfield, Edward C., Indianapolis, Ind. Railway cross-tie. No. 1,256,096; Feb. 12; v. 247; p. 326.
Bachfield, Edward C., Indianapolis, Ind. Leveling instrument. No. 1,256,097; Feb. 12; v. 247; p. 326.
Bachman, Robert A., East Orange, N. J., assignor, by mesne assignments, to Industrial Poured Concrete House Co. Concrete-house mold. No. 1,271,262; July 2; v. 252; p. 144.
Bachmann, Siegmund, Chicago, Ill. Coat-hanger. No. 1,251,461; Jan. 1; v. 246; p. 3.
Bacho, Louis, Greenville, Miss. Reclearer device. No. 1,264,750; Apr. 30; v. 249; p. 1162.
Bachtel, J Sidney, Higgins, Tex. Folding stool. No. 1,285,580; Nov. 26; v. 256; p. 657.
Bacigalupo, Giuseppe, San Francisco, Cal. Building-block. No. 1,269,674; June 18; v. 251; p. 499.
Back, Seid G., and B. L. Dolloff, Portland, Oreg. Fraud-preventing device for coin-controlled apparatus. No. 1,276,001; Aug. 20; v. 253; p. 520.
Backermann, Henry G., Westhoff, Tex. Type-writer hood. No. 1,258,520; Mar. 5; v. 248; p. 166.
Backes, Oscar, Crookston, Minn. Railway-tie and rail-fastener. No. 1,256,287; Feb. 12; v. 247; p. 384.
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Liquid fuel. No. 1,271,114; July 2; v. 252; p. 101.
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Liquid fuel. No. 1,271,115; July 2; v. 252; p. 102.
Backlund, Isaac A., assignor to Carrick Engineering Co., Chicago, Ill. Boiler-pressure regulator. No. 1,276,002; Aug. 20; v. 253; p. 520.
Backlund, Isaac A., assignor to Carrick Engineering Co., Chicago, Ill. Boiler-pressure regulator. No. 1,276,003; Aug. 20; v. 253; p. 520.
Backlund, Josef A., New York, N. Y. Propulsion of vessels. No. 1,267,351; May 28; v. 250; p. 773.
Backoff, Theresa, San Francisco, Cal. Clothes-line hanger. No. 1,275,358; Aug. 13; v. 253; p. 311.
Backstrom, Charles A., Crafton, Pa., assignor to Pittsburg Water Heater Company. Induction water-heater. No. 1,261,470; Apr. 2; v. 249; p. 135.
Backstrom, Charles A., Crafton, assignor to Pittsburg Water Heater Company, Pittsburgh, Pa. Instantaneous water-heater. No. 1,263,730; Apr. 23; v. 249; p. 847.
Backstrom, Charles A., deceased, Crafton; M. A. Backstrom, administratrix, assignor to Pittsburg Water Heater Company, Pittsburgh, Pa. Burner. No. 1,262,431; Apr. 9; v. 249; p. 435.
Backstrom, Martha A., administratrix. (See Backstrom, Charles A.)
Backus, John C., Smethport, Pa. Gear-shifting mechanism for motor-vehicles. No. 1,258,521; Mar. 5; v. 248; p. 167.
Bacon, Amos F., assignor to The Fremont Manufacturing Company, Fremont, Mich. Pipe-cutting machine. No. 1,279,965; Sept. 24; v. 254; p. 798.
Bacon, Charles F., Brookline, Mass. Torpedo-protector for boats. No. 1,271,415; July 2; v. 252; p. 184.
Bacon, Chester A., assignor to G. W. Bowen, Auburn, N. Y. Lubricating device. No. 1,278,289; Sept. 10; v. 254; p. 286.
Bacon Heater Manufacturing Company, The. (See Bacon, Joseph H., assignor.)
Bacon, Joseph H., Lakewood, assignor to The Bacon Heater Manufacturing Company, Cleveland, Ohio. Water-heater. No. 1,287,823; Dec. 17; v. 257; p. 471.
Bacon, Joseph H., Lakewood, assignor to The Bacon Heater Manufacturing Company, Cleveland, Ohio. Water-heater. No. 1,288,469; Dec. 24; v. 257; p. 655.
Bacon, Levi E., Estelene, Colo. Shoe for pneumatic tires. No. 1,281,893; Oct. 15; v. 255; p. 545.
Bacon, Nathaniel T., Peace Dale, R. I. Method and apparatus for retting flax and other fibers. No. 1,258,083; Mar. 5; v. 248; p. 39.
Baden, Fredrick W., Sr., Newark, N. J. Box. No. 1,272,185; July 9; v. 252; p. 435.
Bader, Albert F., Evansville, Ind. Deposit-receipt bank-book. No. 1,289,601; Dec. 31; v. 257; p. 958.
Bader, Gustav A., Rochester, N. Y. Knife. No. 1,265,723; May 14; v. 250; p. 262.
Bader, Gustav A., Rochester, N. Y. Front sight for firearms. No. 1,268,537; June 4; v. 251; p. 132.
Bader, Gustav A., Rochester, N. Y. Eyeglass-mounting. No. 1,278,417; Sept. 10; v. 254; p. 319.
Bader, Gustav A., Rochester, N. Y. Eyeglass-mounting. No. 1,278,418; Sept. 10; v. 254; p. 319.
Bader, Gustav A., Rochester, N. Y. Work-clamp. No. 1,278,419; Sept. 10; v. 254; p. 319.
Bader, Louis C., assignor of one-half to M. J. Detmer, Chicago, Ill. Gas-burning heater. No. 1,269,517; June 11; v. 251; p. 423.
Badger, George L., Quincy, Mass. Internal-combustion engine. No. 1,260,297; Mar. 26; v. 248; p. 779.
Badger, Samuel M., St. Paul, Minn. Drum. No. 1,277,285; Aug. 27; v. 253; p. 905.
Badische Anilin & Soda Fabrik. (See Bohn, René, assignor.)
Badische Anilin & Soda Fabrik. (See Bohn, Bally, and Wolff, assignors.)
Badische Anilin & Soda Fabrik. (See Bohn and Nawiasky, assignors.)
Badische Anilin & Soda Fabrik. (See Bosch, Carl, assignor.)
Badische Anilin & Soda Fabrik. (See Bosch and Mittasch, assignors.)
Badische Anilin & Soda Fabrik. (See Bosch, Mittasch, and Krauch, assignors.)
Badische Anilin & Soda Fabrik. (See Brode, Johannes, assignor.)
Badische Anilin & Soda Fabrik. (See Kardos and Nawiasky, assignors.)
Badische Anilin & Soda Fabrik. (See Keller, Hans, assignor.)
Badische Anilin & Soda Fabrik. (See Mittasch, Schneider, and Morawitz, assignors.)
Badische Anilin & Soda Fabrik. (See Schmidt and Andres, assignors.)
Badische Anilin & Soda Fabrik. (See Schmidt and Gunther, assignors.)
Badische Anilin & Soda Fabrik. (See Schwarz and Blangey, assignors.)

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Baechi, Albert A., La Grande, Oreg. Cutter-guard. No. 1,255,687; Feb. 5; v. 247; p. 166.
Baeck, Eugène C., Irvington, N. Y. Marine vessel. No. 1,267,956; May 28; v. 250; p. 943.
Baeck, Eugène C., Irvington, N. Y. Jar-lifter. No. 1,283,034; Oct. 29; v. 255; p. 924.
Baeder, Jaul S., New Rockford, N. D. Wagon-seat. No. 1,284,040; Nov. 5; v. 256; p. 158.
Baehr, George, Pittsburgh, Pa. Composite roll. No. 1,289,602; Dec. 31; v. 257; p. 959.
Baehr, Hermine, Baltimore, Md. Sterilizer. No. 1,270,095; June 18; v. 251; p. 612.
Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Composition containing phenolic condensation products. No. 1,259,472; Mar. 19; v. 248; p. 510.
Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Molding articles. No. 1,259,473; Mar. 19; v. 248; p. 510.
Baer, Berthold A., Philadelphia, Pa. Signaling device. No. 1,256,098; Feb. 12; v. 247; p. 326.
Baer, Charles H., assignor of fifty one-hundredths to J. T. Parker, twenty one-hundredths to A. L. Holmes, and ten one-hundredths to S. Williams, San Francisco, Cal. Collapsible rim for vehicle-tires. No. 1,257,781; Feb. 26; v. 247; p. 892.
Baer, Harry H., Cleveland, Ohio. Carbureter. No. 1,277,173; Aug. 27; v. 253; p. 878.
Bagby, Ralph A., Mentor, S. D. Method and means for branding. No. 1,257,065; Feb. 19; v. 247; p. 648.
Bageant, S. C., *et al.* (See Ashcraft, Albert C., assignor.)
Bager, Frederic E., Winthrop Harbor, assignor to F. C. Austin, Chicago, Ill. Drainage-excavator. No. 1,284,041; Nov. 5; v. 256; p. 158.
Bager, Svante R. W. M. (See Ferris, Bager, and Fykse.)
Bagger, John A., Stockholm, Sweden. Detachable boat-motor. No. 1,283,035; Oct. 29; v. 255; p. 925.
Baggott, Edmund W. (See Dittman and Baggott.)
Bagi, Louis, Granite City, Ill. Automobile-puller. No. 1,260,950; Mar. 26; v. 248; p. 966.
Bagley, Carl E., Welcome, Minn. Tractor attachment for automobile-wheels. No. 1,251,617; Jan. 1; v. 246; p. 52.
Bagley, Edward, Vancouver, British Columbia, Canada Fine-gold-saving machine. No. 1,256,764; Feb. 19; v 247; p. 558.
Bagot, William J., Bridgewater, Mass., assignor to The Stanley Works, New Britain, Conn. Furnace. No. 1,277,356; Sept. 3; v. 254; p. 5.
Baham, Ulysses, Madisonville, La. Nut-lock. No. 1,264,751; Apr. 30; v. 249; p. 1162.
Bahler, Fred, Gilroy, Cal. Tent-support. No. 1,255,688; Feb. 5; v. 247; p. 166.
Bahls, Otto, and T. Siebert, Jr., New York, N. Y. Plug and plug-receptacle for electric conductors. No. 1,265,163; May 7; v. 250; p. 81.
Bahls, Otto, and T. Siebert, Jr., New York, N. Y., assignors of one-half to said Bahls and one-half to said Siebert, Jr. Plug for electric conductors. No. 1,251,618; Jan 1; v. 246; p. 52.
Bahmler, Floyd E., Solon, Iowa. Automatic railway-switch. No. 1,254,018; Jan. 22; v. 246; p. 830.
Bahnik, Emil. (See Pauer and Bahnik.)
Bahnson, Frederic F., Winston-Salem, N. C. Air-moistening device. No. 1,254,189; Jan. 22; v. 246; p. 879.
Bahnson, Frederic F., Winston-Salem, N. C. Humidifier. No. 1,267,166; May 21; v. 250; p. 696.
Bahr, Rudolph, Burlington, Wyo. Wire-grip. No. 1,263,995; Apr. 23; v. 249; p. 921.
Bahr, William F., Glen Ullin, N. D. Gate. No. 1,281,270; Oct. 15; v. 255; p. 376.
Bahrenburg, Henry W., Newark, N. J., and H. Mikkelsen, Brooklyn, N. Y. Ice-cutting machine. No. 1,283,036; Oct. 29; v. 255; p. 925.
Baier, Charles A., and C. E. Merritt, Kansas City, Mo. Reinforced concrete-form. No. 1,252,645; Jan. 8; v. 246; p. 383.
Baier, Henry L. (See Pitkethly and Baier.)
Baier, Ludwig. (See Pitkethly and Baier, assignors.)
Bailer, Otto P., Memphis, Tenn. Link for watch-chains, bracelets, &c. No. 1,270,916; July 2; v. 252; p. 47.
Bailey, Albert W., Jasper, Mich. Pneumatic-tire tool. No. 1,289,603; Dec. 31; v. 257; p. 959.
Bailey, Arthur L., Jamaica Plain, Mass. Gas-stove. No. 1,258,084; Mar. 5; v. 248; p. 39.
Bailey, Arthur L., Jamaica Plain, Mass. Gas-burner. No. 1,286,493; Dec. 3; v. 257; p. 77.
Bailey, Bertram. (See Mather and Bailey.)
Bailey, Charles A., Cromwell, Conn. Toy pistol. No. 1,251,462; Jan. 1; v. 246; p. 4.
Bailey, Charles A., Cromwell, Conn. Toy pistol. No. 1,275,984; Aug. 13; v. 253; p. 485.
Bailey, Charles A., Cromwell, Conn. Toy pistol. No. 1,283,619; Nov. 5; v. 256; p. 47.
Bailey, Charles F., assignor to Keystone Steel & Wire Company, Peoria, Ill. Wire-feeding mechanism. No. 1,285,581; Nov. 26; v. 256; p. 657.
Bailey Charles W. (See Matteson and Bailey.)
Bailey, Clarence A., and L. C. Soileau, Rayne, La. Automobile-crank. No. 1,266,761; May 21; v. 250; p. 582.
Bailey, Clifford E., and F. W. Nanfeldt, assignors to The A. C. Gilbert Company, New Haven, Conn. Wheeled toy. No. 1,255,575; Feb. 5; v. 247; p. 134.
Bailey, Edward L., Morrisville, Pa. Paper receptacle. No. 1,289,359; Dec. 31; v. 257; p. 898.
Bailey, Ervin G., Newton Highlands, Mass., assignor to Bailey Meter Company. Pressure-relation gage. No. 1,257,963; Mar. 5; v. 248; p. 3.
Bailey, Ervin G., Newton Highlands, Mass., assignor to Bailey Meter Company. Obtaining a ready comparison of factors in a power producing or using apparatus. No. 1,257,964; Mar. 5; v. 248; p. 3.
Bailey, Ervin G., Newton Highlands, Mass., assignor to Bailey Meter Company. Relation-indicator. No. 1,257,965; Mar. 5; v. 248; p. 4.
Bailey, Frank P., Pittsburgh, Pa. Attachment for typewriters. No. 1,280,130; Oct. 1; v. 255; p. 3.
Bailey, Fred E., deceased; L. A. Bailey, administratrix, Manchester, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Welt-attaching machine. No. 1,282,726; Oct. 29; v. 255; p. 838.
Bailey, George D., Chicago, Ill., assignor to Geo. D. Bailey Co. Bearing. No. 1,265,871; May 14; v. 250; p. 304.
Bailey, George D., and F. E. Rice, Detroit, Mich., assignors, by mesne assignments, to Bailey Non-Stall Differential Corporation, Chicago, Ill. Positive releasing-clutch. No. 1,266,903; May 21; v. 250; p. 620.
Bailey, George H., New York, N. Y. Game apparatus. No. 1,257,174; Feb. 19; v. 247; p. 678.
Bailey, Gilbert E. (See Kennedy and Bailey.)
Bailey, Glenn M. (See Bailey, Hugh A. and G. M.)
Bailey, Hugh A. and G. M., Davenport, Iowa. Tooth-brush case. No. 1,266,382; May 14; v. 250; p. 445.
Bailey, James B., Knoxville, Tenn. Wrench. No. 1,268,538; June 4; v. 251; p. 133.
Bailey, James B., New York, N. Y. Clothes-pin or garment-hanger. No. 1,284,556; Nov. 12; v. 256; p. 319.
Bailey, John R., *et al.* (See Wiswell, Arthur M., assignor.)
Bailey, Joseph W., Langley, S. C., assignor of one-half to H. W. Smith, West Chester, Pa. Dredging device. No. 1,285,582; Nov. 26; v. 256; p. 657.
Bailey, Laura A., administratrix. (See Bailey, Fred E.)
Bailey Meter Company. (See Bailey, Ervin G., assignor.)
Bailey, Myrl E., Kane, Pa. Nut and bolt lock. No. 1,275,359; Aug. 13; v. 253; p. 311.
Bailey Non-Stall Differential Corporation. (See Bailey and Rice, assignors.)
Bailey, Percy S., Lynn, Mass., assignor to General Electric Company. Floodlight-reflector. No. 1,281,752; Oct. 15; v. 255; p. 506.
Bailey, Samuel, T. V. Lloyd, and E. Jones, Melyncrythan, Neath, Wales; said Lloyd and said Jones assignors to said Bailey. Safety-guard for die-presses. No. 1,256,641; Feb. 19; v. 247; p. 523.
Bailey, Samuel R., deceased, Amesbury, Mass.; M. L. Wood, executrix. Friction-joint for wind-shields. No. 1,284,211; Nov. 12; v. 256; p. 231.
Bailey, Silas E., Elmira Heights, assignor to Elmira Knitting Mills, Elmira, N. Y. Guide and tension device for removing snarls, kinks, &c., from yarn or thread. No. 1,254,761; Jan. 29; v. 246; p. 1074.
Bailey, Walter F., assignor of one-half to G. A. Cadwallader, Los Angeles, Cal. Coaster. No. 1,272,761; July 16; v. 252; p. 624.
Bailey, William, Chicago, Ill. Harvester. No. 1,286,906; Dec. 10; v. 257; p. 211.
Bailey, William J. A., assignor, by mesne assignments, to Non Skid Company of America, Boston, Mass. Cutting wire rope. No. 1,261,892; Apr. 9; v. 249; p. 286.
Baillio, Gervais, assignor to Isco Chemical Company, Niagara Falls, N. Y. Separating carbon tetrachlorid from other compounds. No. 1,260,621; Mar. 26; v. 248; p. 876.
Baillio, Gervais, assignor to Isco Chemical Company, Niagara Falls, N. Y. Making carbon tetrachlorid from carbon bisulfid and chlorin. No. 1,260,622; Mar. 26; v. 248; p. 876.
Bailly, Marie V. (See Perreur-Lloyd, Marcel, assignor.)
Baily, Thaddeus F., assignor to The Electric Furnace Company, Alliance, Ohio. Annealing-furnace. No. 1,286,908; Dec. 10; v. 257; p. 211.
Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Phase distribution for electric furnaces. No. 1,260,298; Mar. 26; v. 248; p. 779.
Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Melting-furnace. No. 1,272,186; July 9; v. 252; p. 435.
Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Sheet-feeding machine. No. 1,276,608; Aug. 20; v. 253; p. 690.
Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Device for quenching steel artillery-shells. No. 1,285,583; Nov. 26; v. 256; p. 657.
Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Regenerative furnace. No. 1,286,907; Dec. 10; v. 257; p. 211.
Bain, Benjamin F. (See Simpson, John H., assignor.) (Reissue.)

Bain, Benjamin F., Pittsburgh, Pa. Mechanical toy. No. 1,264,256; Apr. 30; v. 249; p. 1026.
Bain, Benjamin F., Pittsburgh, Pa. Mechanical movement. No. 1,286,494; Dec. 3; v. 257; p. 77.
Bain, Charles W., Norfolk, Va. Tire-tread protector. No. 1,275,199; Aug. 13; v. 253; p. 267.
Bain, Robert T. C., Pittsburgh, and G. W. MacKenzie, Jr., assignors to Guarantee Liquid Measure Company, Rochester, Pa. Liquid-measuring apparatus. No. 1,255,576; Feb. 5; v. 247; p. 134.
Bain, William H., St. Louis, Mo. Shoe and making the same. No. 1,264,880; May 7; v. 250; p. 3.
Bain, William H., St. Louis, Mo. Shoe. No. 1,264,881; May 7; v. 250; p. 3.
Bain, William H., St. Louis, Mo. Shoe with ankle-brace. No. 1,269,518; June 11; v. 251; p. 423.
Baines, Joseph E., and J. W. Latshaw, Pittsburgh, Pa., assignor to National Tube Company. Machine for handling pipes. No. 1,285,584; Nov. 26; v. 256; p. 657.
Bair, Clarence L., Detroit, assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Bow-top holder for tops with non-detachable rear curtains. No. 1,257,782; Feb. 26; v. 247; p. 893.
Bair, Clarence L., Detroit, assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Bow-top holder for vehicle-tops contracted at rear. No. 1,267,736; May 28; v. 250; p. 879.
Bair, Clarence L., Detroit, assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Removable goose-neck-iron. No. 1,269,364; June 11; v. 251; p. 383.
Bair, Clarence L., St. Joseph, Mich., assignor to Auto Specialties Manufacturing Co., San Francisco, Cal. Expansion-bolt. No. 1,276,708; Aug. 27; v. 253; p. 754.
Bair, Edward E., and J. E. Stout, Hanover, Pa.; said Stout assignor to said Bair. Electromagnetic valve for gas-lighting systems. No. 1,268,913; June 11; v. 251; p. 257.
Bair, George I., Detroit, Mich. Bow-rest for vehicles. No. 1,254,762; Jan. 29; v. 246; p. 1074.
Bair, Joseph H., Philadelphia, Pa. Variable-speed and variable-power gear. No. 1,285,585; Nov. 26; v. 256; p. 658.
Bair, Joseph H., Philadelphia, Pa. Railway-ticket-printing audit-keeping machine. No. 1,288,470; Dec. 24; v. 257; p. 655.
Bair, Lincoln C., Kansas City, Mo. Electric-light fixture. No. 1,260,853; Mar. 26; v. 248; p. 941.
Bair, Phillip W., Kansas City, Kan. Davenport. No. 1,276,859; Aug. 27; v. 253; p. 793.
Baird, Bruce E., *et al.* (See Baird, Robert M., assignor.)
Baird, Clarence D., assignor of one-fourth to I. A. Eaton, Alexandria, Tenn. Gas-generator. No. 1,277,821; Sept. 3; v. 254; p. 136.
Baird, Clarence D., assignor of one-fourth to I. A. Eaton, Alexandria, Tenn. Gas-holder. No. 1,277,822; Sept. 3; v. 254; p. 136.
Baird, Clarence D., assignor of one-fourth to I. A. Eaton, Alexandria, Tenn. Feed-regulator for gas-generators. No. 1,277,823; Sept. 3; v. 254; p. 136.
Baird, Dudley, Berkeley, Cal., assignor to General Chemical Company, New York, N. Y. Shaft for roasting-furnaces. No. 1,262,432; Apr. 9; v. 249; p. 435.
Baird, Edward P., Evanston, Ill., assignor, by mesne assignments, to The King Lock Company, Chicago, Ill. Key-controlled lock. No. 1,280,633; Oct. 8; v. 255; p. 169.
Baird, Frank S., assignor of one-half to G. E. Garner, Phoenix, Ariz. Current-propelled hydroplane. No. 1,279,218; Sept. 17; v. 254; p. 563.
Baird, Frank T., Blue Island, Ill. Electric lantern. No. 1,275,360; Aug. 13; v. 253; p. 311.
Baird, Frank T., Blue Island, Ill. Electric lantern. No. 1,278,824; Sept. 17; v. 254; p. 459.
Baird, Frank T., Blue Island, Ill. Battery-separator. No. 1,279,074; Sept. 17; v. 254; p. 527.
Baird, James B., deceased, (C. D. Robertson, W. Goudy, and M. E. Baird, executors,) assignor to The National Roll and Foundry Company, Avonmore, Pa. Scourer for rolling-mills. No. 1,279,219; Sept. 17; v. 254; p. 564.
Baird, Leon J., and C. G. Lay, Elmira, N. Y. Seal-lock. No. 1,269,248; June 11; v. 251; p. 351.
Baird Motion Picture Machine Co. (See Emory, Robert J., assignor.)
Baird, Robert M., assignor of one-third to B. E. Baird and one-third to W. E. Baird, Salt Lake City, Utah. Demountable rim. No. 1,253,119; Jan. 8; v. 246; p. 522.
Baird, W. Eccles, *et al.* (See Baird, Robert M., assignor.)
Bairs, John, Argenta, Ark. Saw. No. 1,274,231; July 30; v. 252; p. 1091.
Baker, A. (See Myers, Melvin A., assignor.)
Baker, Aimie M., Chicago, Ill. Savings-bank. No. 1,271,416; July 2; v. 252; p. 184.
Baker, Alfred Z., New York, N. Y., assignor to T. B. Toy Company, Newark, N. J. Wheeled reciprocating toy. No. 1,265,586; May 7; v. 250; p. 194.
Baker, Alfred Z., New York, N. Y., assignor to T. B. Toy Company, Newark, N. J. Toy. No. 1,265,587; May 7; v. 250; p. 194.
Baker, Alonzo L., Kerman, Cal. Cultivator. No. 1,285,551; Nov. 19; v. 256; p. 609.
Baker, Andrew, Spring Valley, N. Y. Cleaner attachment for silk-throwing machines. No. 1,275,361; Aug. 13; v. 253; p. 312.
Baker, Andrew J., Golden, Colo. Planetarium. No. 1,286,909; Dec. 10; v. 257; p. 211.
Baker, Arthur C., Oak Park, Ill. Compound rail. No. 1,258,976; Mar. 12; v. 248; p. 337.
Baker Brothers. (See Hallenbeck, George E., assignor.)
Baker, Clarence C., Alameda, and E. A. Chandler, San Francisco, Cal. Changeable sign. No. 1,251,733; Jan. 1; v. 246; p. 87.
Baker & Company, A. T. (See Sohn, John W., assignor.)
Baker, Dickerson G. (See Wells and Baker.)
Baker, Edgar, Doncaster, England. Hand-tool for detaching and removing piston-rings and the like. No 1,283,620; Nov. 5; v. 256; p. 47.
Baker, Edward W., Palmerston North, New Zealand. Floor-polishing and window-cleaning appliance. No. 1,282,361; Oct. 22; v. 255; p. 712.
Baker, Edwin E., and G. H. Snavely, Willows, Cal. Compressed-air oiler. No. 1,260,623; Mar. 26; v. 248; p. 876.
Baker, Erle K., assignor, by mesne assignments, to himself and C. G. Hawley, Chicago, Ill. Pneumatic tire. No. 1,261,754; Apr. 9; v. 249; p. 248.
Baker, Erle K., assignor, by mesne assignments, to Baker Wheel & Rim Company, Chicago, Ill. Rim-demounting wheel for motor-vehicles. No. 1,282,362; Oct. 22; v. 255; p. 712.
Baker, Frank. (See Nathan, Rintoul, and Baker.)
Baker, Frank, Broadview, Saskatchewan, Canada. Torpedo-launching apparatus. No. 1,285,586; Nov. 26; v. 256; p. 658.
Baker, Frederick J., Dayton, Ohio. Differential gearing. No. 1,258,177; Mar. 5; v. 248; p. 66.
Baker, Frederick M. (See Lay and Baker.)
Baker, George A., Miami, Fla. Indicator attachment for water-gages. No. 1,264,752; Apr. 30; v. 249; p. 1162.
Baker, George R. (See White and Baker.)
Baker, George R., London, England. Apparatus for treatment of dough. No. 1,270,096; June 18; v. 251; p. 612.
Baker, George R., London, England. Machine for dividing dough and like plastic substances. No. 1,270,097; June 18; v. 251; p. 613.
Baker, George S. (See White and Baker.)
Baker, Harry H., Philadelphia, Pa. Bracket. No. 1,260,951; Mar. 26; v. 248; p. 967.
Baker, Harry W. (See Davey, Emmett C., assignor.)
Baker, Henry, administrator. (See Nathan, Rintoul, and Baker.)
Baker, Henry C. (See Jones, John D., assignor.)
Baker, Henry T., Norfolk, Va. Increasing the longevity of the cutting edge of steel cutting instruments. No. 1,277,824; Sept. 3; v. 254; p. 137.
Baker, Hinton J., Augusta, Ga. Machine for the automatic development of photographic plates and films. No. 1,254,300; Jan. 22; v. 246; p. 911.
Baker, Howard H., Buffalo, N. Y. Combination-switch. No. 1,264,473; Apr. 30; v. 249; p. 1087.
Baker Ice Machine Company. (See Coesfeld, John H., assignor.)
Baker Ice Machine Company. (See Hoeschen, Henry A. and W. H., assignors.)
Baker Iron Works. (See De Camp, Roy L., assignor.)
Baker, James E., *et al.* (See Hoover, John L., assignor.)
Baker, James H., Saratoga Springs, N. Y. Horizontal centrifugal screen. No. 1,256,507; Feb. 19; v. 247; p. 485.
Baker, James P., Central City, Nebr. Tray attachment for bedsteads. No. 1,256,498; Feb. 12; v. 247; p. 446.
Baker, Jesse O., Steilacoom, Wash. Wood-sawing apparatus. No. 1,289,604; Dec. 31; v. 257; p. 959.
Baker, John E., Sand Springs, Okla. Anticreeping device for track-rails. No. 1,255,849; Feb. 12; v. 247; p. 253.
Baker, John S., Evansville, Wis. Windmill. No. 1,251,619; Jan. 1; v. 246; p. 53.
Baker, John S., Los Angeles, Cal. Apparatus for marking cans and the like. No. 1,267,167; May 21; v. 250; p. 697.
Baker, John S., Los Angeles, assignors to Anderson-Barngrover Manufacturing Company, San Jose, Cal. Cooking apparatus. No. 1,252,217; Jan. 1; v. 246; p. 225.
Baker, John W., Stamford, Conn. Game device. No. 1,286,492; Dec. 3; v. 257; p. 77.
Baker, John W., and G. H. Parker, Stamford, Conn.; said Parker assignor to said Baker. Game apparatus. No. 1,286,491; Dec. 3; v. 257; p. 77.
Baker, Lewis A., Elgin, Ill. Filling-machine. No. 1,254,190; Jan. 22; v. 246; p. 879.
Baker, Lewis E., Hudson, Ill. Spring-seat. No. 1,254,963; Jan. 29; v. 246; p. 1134.
Baker, Linnaeus E., Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company. Indicator for dispensing apparatus. No. 1,270,098; June 18; v. 251; p. 613.
Baker, Linnaeus E., Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Co. Meter. No. 1,278,825; Sept. 17; v. 254; p. 459.
Baker, Linnaeus E., Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company. Counter for dispensing apparatus. No. 1,286,200; Dec. 3; v. 257; p. 4.

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Baker, Linnaeus E., Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company. Stop mechanism for dispensing-pumps. No. 1,286,201; Dec. 3; v. 257; p. 4.
Baker & Lockwood Manufacturing Company. (See Faessler, John W., assignor.)
Baker, Louis R., Swanton, Ohio. Valve for steam-engines. No. 1,286,910; Dec. 10; v. 257; p. 212.
Baker, Lulu A., *et al.* (See Baker, William F., assignor.)
Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
Baird, Mary E., *et al.*, executors. (See Baird, James B.)
Baker, Mary J., Fethard, Ireland. Hand-iron. No. 1,270,587; June 25; v. 251; p. 774.
Baker, Melyn E., Robert, Nebr. Tractor. No. 1,266,904; May 21; v. 250; p. 620.
Baird Motion Picture Machine Co. (See Emory, Robert J., assignor.)
Baker, Nelson M., and H. H. Styll, assignors to American Optical Company, Southbridge, Mass. Lens-slotting machine. No. 1,282,022; Oct. 22; v. 255; p. 618.
Baker, Philip H., Cleveland, Ohio. Refrigerator. No. 1,275,828; Aug. 13; v. 253; p. 441.
Baker R & L Company, The. (See Cookingham and Hertner, assignors.)
Baker, R & L Company, The. (See Gruenfeldt, Emil, assignor.)
Baker, Robert D., Detroit, Mich. Joint for meeting members. No. 1,267,352; May 28; v. 250; p. 773.
Baker, Robert E., Hopewell, Va. Combined trunk, desk, and chair. No. 1,264,474; Apr. 30; v. 249; p. 1087.
Baker, Robert E., Hopewell, Va. Frying-pan. No. 1,264,475; Apr. 30; v. 249; p. 1088.
Baker, Robert L., assignor of one-half to H. Morgan, Aurora, N. Y. Phonograph attachment. No. 1,256,099; Feb. 12; v. 247; p. 327.
Baker, Roy M. (See Sundness and Baker.)
Baker, Samuel G., Lakefield, Ontario, Canada. Non-refillable bottle. No. 1,277,825; Sept. 3; v. 254; p. 137.
Baker, Stanton F., Reydel, Ark. Cap for filling openings of automobile-radiators. No. 1,281,481; Oct. 15; v. 255; p. 435.
Baker Steel Tie Corporation. (See Baker, William F., assignor.)
Baker, Stephen D., New York, N. Y. Wall element. No. 1,255,975; Feb. 12; v. 247; p. 290.
Baker, Stephen D., New York, N. Y. Wall-receptacle. No. 1,267,353; May 28; v. 250; p. 773.
Baker, Stephen D., New York, N. Y. Paper-holder. No. 1,272,598; July 16; v. 252; p. 577.
Baker, Stuart C. (See White and Baker.)
Baker, Thomas, Melbourne, Victoria, Australia, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-roll-film cartridge. No. 1,269,365; June 11; v. 251; p. 383.
Baker, Thomas, and E. Cooke, Horwich, England. Safety catch device to prevent the accidental starting of forging and other machines. No. 1,274,498; Aug. 6; v. 253; p. 45.
Baker, Thomas W., Vancouver, British Columbia, Canada. Shifting hopper for concrete work. No. 1,272,354; July 16; v. 252; p. 510.
Baker, Ulysses G., Indianapolis, Ind. Bending-roll for sheet-glass apparatus. No. 1,273,310; July 23; v. 252; p. 799.
Baker-Vawter Company. (See Hanna, Walter H., assignor.)
Baker-Vawter Company. (See Kuehl, Ludwig T., assignor.)
Baker-Vawter Company. (See Vawter, Frank M., assignor.)
Baker, Virgil R., Ansonia, Ohio. Lock for motor-vehicles. No. 1,263,731; Apr. 23; v. 249; p. 847.
Baker, Walter J., Chicago, Ill. Savings-bank. No. 1,271,417; July 2; v. 252; p. 185.
Baker, Warren L., Pierson, Iowa. Gear-shifter. No 1,285,587; Nov. 26; v. 256; p. 658.
Baker, Webster E. B., York, assignor to H. W. Stokes, Philadelphia, Pa. Bottle-cap. No. 1,269,773; June 18; v. 251; p. 527.
Baker Wheel & Rim Company. (See Baker, Erle K., assignor.)
Baker, William F., Boston, Mass. Rod-fastener for stair-carpets. No. 1,258,853; Mar. 12; v. 248; p. 303.
Baker, William F., Kansas City, Mo., assignor to Baker Steel Tie Corporation, Oklahoma, Okla. Railway-tie and rail-fastener. No. 1,281,894; Oct. 15; v. 255; p. 545.
Baker, William F., assignor of thirty-five one-hundredths to L. A. Baker, thirty one-hundredths to J. A. Keister, and thirty one-hundredths to J. M. Wilson, Kansas City, Mo. Piston and cylinder lubricator. No. 1,288,800; Dec. 24; v. 257; p. 736.
Baker, William H., Cherokee, Okla. Doser. No. 1,266,383; May 14; v. 250; p. 445.
Baker, William H., Boston, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. No. 1,267,168; May 21; v. 250; p. 697
Baker, William H., Boston, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. No. 1,277,357; Sept. 3; v. 254; p. 6.
Baker, William I., assignor to E. B. Belden, Decatur, Ill. Paint-vehicle and process of making same. No. 1,278,290; Sept. 10; v. 254; p. 286.
Baker, William J., Newport, Ky. Combined propelled and drawn vehicle. No. 1,277,358; Sept. 3; v. 254; p. 6.
Baker, William J., Newport, Ky. Skatemobile. No. 1,279,966; Sept. 24; v. 254; p. 798.
Bakka, Lars H., McCallsburg, Iowa. Memorandum and stamp book. No. 1,280,131; Oct. 1; v. 255; p. 3.
Bakke, Olaf, New England, N. D. Grease-cup. No. 1,285,588; Nov. 26; v. 256; p. 659.
Bakken, Andrew H. (See Aalborg and Bakken.)
Bakos, John, Newark, N. J. Aeronautical garment. No. 1,254,110; Jan. 22; v. 246; p. 856.
Bakst, Max, Brooklyn, assignor to United States Bolt Lock Company, Inc., New York, N. Y. Lock. No. 1,277,174; Aug. 27; v. 253; p. 878.
Bakula, Frank A., assignor to Gross Chandelier Company, St. Louis, Mo. Electric-lamp fixture. No. 1,275,362; Aug. 13; v. 253; p. 312.
Bakula, Matthew M., Havre, Mont. Rosary pendant. No. 1,286,911; Dec. 10; v. 257; p. 212.
Balaam, Arthur G., *et al.* (See Olson, Hans M., assignor.)
Balaam, Maurice A., *et al.* (See Olson, Hans M., assignor.)
Balada, Samuel. (See Partmann and Balada.)
Balch, Charles H., Boston, Mass. Safety necklace-clasp. No. 1,270,769; July 2; v. 252; p. 5.
Balch, Eben G., Newburyport, Mass. Pencil eraser attachment. No. 1,267,955; May 28; v. 250; p. 942.
Balcom, Sydney E., Salt Lake City, Utah. Hose-nozzle support. No. 1,267,305; May 21; v. 250; p. 731.
Balcom, William W., Sioux City, Iowa. Liquid-container indicator. No. 1,265,724; May 14; v. 250; p. 262.
Baldoser, John F. (See Hanna, Leon C., assignor.
Baldt, Frederick, Jr., Tarentum, Pa. Apparatus for casting anchors. No. 1,282,012; Oct. 15; v. 255; p. 574.
Baldwin, Carl H., Fellows, Cal. Rod-coupling. No. 1,265,418; May 7; v. 250; p. 150.
Baldwin, Charles. (See Longacre and Baldwin.)
Baldwin, Charles F., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electromagnet. No. 1,271,263; July 2; v. 252; p. 144.
Baldwin, Charles M., Hudson Falls, N. Y. Collapsible cot. No. 1,261,893; Apr. 9; v. 249; p. 286.
Baldwin, Clarence A., and M. Swenson, Bloomfield, Conn. Calk. No. 1,269,897; June 18; v. 251; p. 562.
Baldwin, Clarence K., Chicago, Ill., assignor to Robins Conveying Belt Company. Coke-wharf. No. 1,287,179; Dec. 10; v. 257; p. 280.
Baldwin, Cloise H. (See Whipple and Baldwin.)
Baldwin Company, The. (See Gally, Robert A., assignor.)
Baldwin Company, The. (See Hunter, Charles W., assignor.)
Baldwin Company, The. (See Stanhope, William P., assignor.)
Baldwin Company, The. (See Tower, Herschel E., assignor.)
Baldwin, Dayton A., *et al.* (See Diehm, Lucius N., assignor.)
Baldwin, Edward C., Boston, Mass. Dispensing-carton. No. 1,281,271; Oct. 15; v. 255; p. 377.
Baldwin, Eugene D., East Orange, N. J. Mechanical tally. No. 1,271,992; July 9; v. 252; p. 381.
Baldwin, Frank S., assignor to Monroe Calculating Machine Company, New York, N. Y. Zero-setting mechanism. No. 1,275,119; Aug. 6; v. 253; p. 219.
Baldwin, George D., Hoboken, N. J. Building railways. No. 1,283,621; Nov. 5; v. 256; p. 47.
Baldwin, George D., Hoboken, N. J. Track-laying apparatus. No. 1,286,495; Dec. 3; v. 257; p. 77.
Baldwin, George E., Branford, Conn. Grease-cup. No. 1,273,806; July 30; v. 252; p. 970.
Baldwin, James L., Chicago, Ill. Traveling and elevating parcel-carrier. No. 1,270,099; June 18; v. 251; p. 613.
Baldwin, Leon F. N., Providence, R. I. Tide-water-power apparatus. No. 1,261,472; Apr. 2; v. 249; p. 135.
Baldwin Locomotive Works, The. (See Abbe, George C., assignor.)
Baldwin Locomotive Works, The. (See Deans, Frank B., assignor.)
Baldwin Locomotive Works, The. (See Rushton, Kenneth, assignor.)
Baldwin; Walter A. (See Albrecht and Baldwin.)
Bale, Damon, Louisville, Ky., assignor to Standard Sanitary Manufacturing Co., Pittsburgh, Pa. Pipe-bracket. No. 1,283,451; Nov. 5; v. 256; p. 4.
Balentine, William M., Las Cruces, N. Mex. Blue-print machine. No. 1,282,668; Oct. 22; v. 255; p. 795.
Bales, Earley R., Nadine, N. Mex. Windmill-pump regulator. No. 1,282,168; Oct. 22; v. 255; p. 660.
Bales, Edward R., Centralia, Ill. Piston packing-ring. No. 1,267,169; May 21; v. 250; p. 697.
Bales, Walter S., Des Moines, Iowa. Grading and earth-moving machine. No. 1,254,191; Jan. 22; v. 246; p. 880.
Ball, Philip, Portage, Pa. Convertible pickax. No. 1,279,075; Sept. 17; v. 254; p. 527.
Balke, Clarence W., Highland Park, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Dehydrating chlorids. No. 1,289,079; Dec. 31; v. 257; p. 827.

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Balke, Morris, Peters, Tex. Adjustable electric-light holder. No. 1,285,897; Nov. 26; v. 256; p. 737.
Balkey, George J., Glenshaw, Pa. Thimble. No. 1,260,952; Mar. 26; v. 248; p. 967.
Ball, Albert, Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Electric channeling-machine. No. 1,275,156; Aug. 6; v. 253; p. 229.
Ball & Ball Carburetor Company. (See Ball, Frank H. and F. O., assignors.)
Ball & Ball Carburetor Company. (See Ball, Frederick O., assignor.)
Ball, Bert C., Portland, Oreg. Index. No. 1,284,981; Nov. 19; v. 256; p. 465.
Ball Brothers Glass Manufacturing Company. (See Lud ington, Lawrence L., assignor.)
Ball Brothers Glass Manufacturing Company. (See Wadsworth, Frank L. O., assignor.)
Ball, Charles A., Marion, Ind. Umbrella-lock. No. 1,264,476; Apr. 30; v. 249; p. 1088.
Ball, Charles F., Berkeley, Cal. Pipe-cleaning machine. No. 1,263,836; Apr. 23; v. 249; p. 876.
Ball, Charles F., New York, assignor to Ball & Jewell, Brooklyn, N. Y. Rotary meat-cake cutter. No. 280,100; Sept. 24; v. 254; p. 834.
Ball Engine Company. (See Armstrong, Edwin J., assignor.)
Ball Engine Company. (See Weston, Clarence B., assignor.)
Ball, Ewart M., Eagle Pass, Tex. Cutlery-sharpener. No. 1,269,898; June 18; v. 251; p. 562.
Ball, Francis, Glenside, Pa. Incubator. No. 1,275,829; Aug. 13; v. 253; p. 441.
Ball, Frank H. and F. O., assignors to Ball & Ball Carburetor Company, Detroit, Mich. Carbureter. No. 1,269,576; June 18; v. 251; p. 470.
Ball, Frederick O. (See Ball, Frank H. and F. O.)
Ball, Frederick O., assignor to Ball and Ball Carburetor Company, Detroit, Mich. Dashboard-controlling mechanism for carbureters. No. 1,271,003; July 2; v. 252; p. 72.
Ball, Frederick O., assignor to Ball & Ball Carburetor Company, Detroit, Mich. Measuring device. No. 1,281,242; Oct. 8; v. 255; p. 338.
Ball, Harry, assignor, by mesne assignments, to Worcester Shock Absorber Co., Worcester, Mass. Mechanism for automatically closing fire-doors. No. 1,257,301; Feb. 26; v. 247; p. 752.
Ball, Harry V., Montreal, Quebec, Canada, assignor to R. Hoe and Co., New York, N. Y. Driving mechanism for web-printing machines. No. 1,269,675; June 18; v. 251; p. 499.
Ball, Henry P., assignor, by mesne assignments, to S. Sternau & Co., Inc., Brooklyn, N. Y. Stove for burning solid fuel. No. 1,254,019; Jan. 22; v. 246; p. 830.
Ball, Henry P., assignor to S. Sternau & Co., Brooklyn, N. Y. Stove for burning solid fuel and making same. No. 1,268,786; June 4; v. 251; p. 203.
Ball, Herman F., Bronxville, assignor to Economy Devices Corporation, New York, N. Y. Safety draw-bar. No. 1,252,646; Jan. 8; v. 246; p. 383.
Ball, Herman F., Englewood, N. J., assignor to Franklin Railway Supply Company, Wilmington, Del. Locomotive and tender connection. No. 1,268,539; June 4; v. 251; p. 133.
Ball, Herman F., Bronxville, assignor to Franklin Railway Supply Company, New York, N. Y. Safety draw-bar. No. 1,282,169; Oct. 22; v. 255; p. 660.
Ball, John R. (See Rogers, Homer S., assignor.)
Ball, John R., Durango, Colo. Journal-bearing. No. 1,280,132; Oct. 1; v. 255; p. 4.
Ball and Roller Bearing Company, The. (See Heim, Lewis R., assignor.)
Ballantyne, Homer, Marion, Ohio. Work-bench. No. 1,284,170; Nov. 5; v. 256; p. 193.
Ballard, Frederick F., Davenport, Iowa. Operating-headlight. No. 1,252,989; Jan. 8; v. 246; p. 483.
Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Dog form of circular-knitting machines. No. 1,253,563; Jan. 15; v. 246; p. 681.
Ballard, George L., Norristown, Pa., assignor to Wildman Mfg. Co. Striping mechanism for knitting-machines. No. 1,255,124; Feb. 5; v. 247; p. 4.
Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Yarn-changing mechanism for circular-knitting machines. No. 1,255,125; Feb. 5; v. 247; p. 4.
Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Cloth-cutting machine. No. 1,282,669; Oct. 22; v. 255; p. 796.
Ballenberg, Adolph, New York, N. Y. Combined corner-plate and spring-support for beds. No. 1,271,116; July 2; v. 252; p. 102.
Ballenberg, Adolph, deceased, New York, N. Y.; F. Ballenberg, executrix. Attaching device. No. 1,276,312; Aug. 20; v. 253; p. 606.
Ballenberg, Adolph, deceased; F. Ballenberg, executrix, New York, N. Y. Bedstead. No. 1,287,824; Dec. 17; v. 257; p. 472.
Ballenberg, Adolph, deceased, New York, N. Y.; F. Ballenberg, executrix. Bedstead. No. 1,288,471; Dec. 24; v. 257; p. 656.
Ballenberg, Fanny, executrix. (See Ballenberg, Adolph.)
Ballin, Maurice, Oakland, assignor to Neustadter Bros., San Francisco, Cal. Adjustable hemmer. No. 1,254,875; Jan. 29; v. 246; p. 1110.
Ballman, Edwin C., assignor of one-half to S. A. Whitten, St. Louis, Mo. Method and apparatus for determining the field strength of dynamo-electric machines. No. 1,270,100; June 18; v. 251; p. 614.
Ballman, Edwin C., Kirkwood, and E. P. Evers, St. Louis, Mo. Projecting apparatus. No. 1,275,120; Aug. 6; v. 253; p. 220.
Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass. Weft-thread catcher and holder for automatic weft-replenishing looms. No. 1,272,599; July 16; v. 252; p. 577.
Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass. Spent-weft cutter. No. 1,272,600; July 16; v. 252; p. 577.
Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass. Automatic weft-replenishing loom. No. 1,272,601; July 16; v. 252; p. 578.
Ballou, Frederick A., Nayatt, assignor to B. A. Ballou & Co., Providence, R. I. Clasp. No. 1,287,826; Dec. 17; v. 257; p. 472.
Ballou, Frederick A., Jr., assignor to B. A. Ballou & Co. Inc., Providence, R. I. Safety-catch. No. 1,262,734; Apr. 16; a. 249; p. 550.
Ballou, Frederick A., Jr., assignor to B. A. Ballou & Co. Inc., Providence, R. I. Making swivel-rings. No. 1,262,735; Apr. 16; v. 249; p. 550.
Ballou, Frederick A., Jr., assignor to B. A. Ballou & Co. Inc., Providence, R. I. Swivel-ring. No. 1,262,736; Apr. 16; v. 249; p. 550.
Ballou, Frederick A., Jr., assignor to B. A. Ballou & Co., Providence, R. I. Catch device. No. 1,287,825; Dec. 17; v. 257; p. 472.
Bally, Oscar. (See Bohn, Bally, and Wolff.)
Balmos, Edward J., Devine, Tex. Foot-rail and tonneau truck attachment for passenger-cars. No. 1,268,811; June 11; v. 251; p. 229.
Balough, Charles, Springfield, assignor to The Hercules Motor Manufacturing Company, Canton, Ohio. Pressure-governor. No. 1,268,421; June 4; v. 251; p. 100.
Balshaw, David, Sulphur, La. Safety nut-lock. No. 1,285,898; Nov. 26; v. 256; p. 737.
Balsillie, John G., Melbourne, Victoria, Australia. Process and apparatus for causing precipitation by coalescence of aqueous particles contained in the atmosphere. No. 1,279,823; Sept. 24; v. 254; p. 757.
Balsillie, John G., Melbourne, Victoria, Australia. Means and apparatus for depositing and collecting aqueous particles from the atmosphere and collecting rain and dew. No. 1,284,042; Nov. 5; v. 256; p. 158.
Balsillie, John G., Melbourne, Victoria, Australia. Process and apparatus for procuring and stimulating rainfall. No. 1,284,982; Nov. 19; v. 256; p. 466.
Balsley, Harry W. (See Wendel and Balsley.)
Balthasar, Harry G., assignor to Combination Auto Lock Company, St. Louis, Mo. Combination valve control. No. 1,253,770; Jan. 15; v. 246; p. 740.
Balthasar, Harry G., assignor to Combination Auto Lock Company, St. Louis, Mo. Combination-lock for motor-vehicles. No. 1,289,080; Dec. 31; v. 257; p. 828.
Baltimore Oil Engine Company. (See Wygodsky, Leon, assignor.)
Baltimore Process Company. (See Straus, Alexander L., assignor.)
Baltin, Otto. (See Köhler and Baltin.)
Baltin, Otto, Lipine, Germany. Production of zinc. No. 1,261,342; Apr. 2; v. 249; p. 100.
Baluss, Hamilton, Kennett Square, Pa. Electric regulator. No. 1,270,917; July 2; v. 252; p. 47.
Baluta, Leonard S., Keiser, Pa. Oil-can indicator. No. 1,272,888; July 16; v. 252; p. 662.
Balzer, Fritz. (See Bartholomew and Balzer.)
Balzer, Fritz. (See Simon and Balzer.)
Balzer, Fritz, assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Pneumatically-controlled friction driving mechanism for ironing-machines. No. 1,251,734; Jan. 1; v. 246; p. 88.
Baltzley, Edwin, assignor to L. E. Baltzley, trustee, Weehawken, N. J. Combined filing-binder and binding-clip. No. 1,283,037; Oct. 29; v. 255; p. 925.
Baltzley, Louis E., trustee. (See Baltzley, Edwin, assignor.)
Baltzley, Louis E., Weehawken, N. J. Filing-binder clip. No. 1,256,426; Feb. 12; v. 247; p. 425.
Balwick, Louis H., assignor to Premier Machinery Company, Oakland, Cal. Peach-turning apparatus. No. 1,278,291; Sept. 10; v. 254; p. 286.
Balz, Robert J., assignor of one-half to G. C. Meyer, Syracuse, N. Y. Lubricating device for internal-combustion engines. No. 1,283,622; Nov. 5; v. 256; p. 48.
Bamberg, Joseph H., Toledo, Ohio, and H. H. Doehler, assignors to Doehler Die-Casting Company, Brooklyn, N. Y. Casting apparatus. No. 1,271,993; July 9; v. 252; p. 382.
Bamberg, Theodore, Brooklyn, N. Y. Jig-saw puzzle. No. 1,256,100; Feb. 12; v. 247; p. 327.
Bammer, Pius, Los Angeles, Cal. Heel-cutting apparatus. No. 1,267,306; May 21; v. 250; p. 732.

Alphabetical list of patentees—Continued.

Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. No. 1,279,220; Sept. 17; v. 254; p. 564.

Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. No. 1,279,824; Sept. 24; v. 254; p. 758.

Bancel, Paul A., Nutley, assignor to himself, and G. H. Gibson, Upper Montclair, N. J. Surface condenser and operating same. No. 1,268,074; May 28; v. 250; p. 974.

Bancroft, Francis. (See Hickey, Joseph A., assignor.)

Bancroft, James E., Toledo, assignor to The National Rubber & Specialties Company, Cincinnati, Ohio. Vulcanizer. No. 1,283,038; Oct. 29; v. 255; p. 926.

Bancroft, John S., Philadelphia, Pa., and J. O. Hofberg, Westville, N. J., assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Justification indicating mechanism for composing-machines. No. 1,256,765; Feb. 19; v. 247; p. 559.

Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Justification-space-indicating mechanism. No. 1,283,623; Nov. 5; v. 256; p. 48.

Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Sectional-justification mechanism for composing-machines. No. 1,283,624; Nov. 5; v. 256; p. 49.

Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Belt-shifting mechanism. No. 1,283,625; Nov. 5; v. 256; p. 49.

Bancroft, John S., and A. L. Knight, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Mold for printers' strip material. No. 1,283,626; Nov. 5; v. 256; p. 49.

Bandlow, Henry E., assignor to National Stamping & Electric Works, Chicago, Ill. Lantern. No. 1,257,175; Feb. 19; v. 247; p. 678.

Bandura, Andrew, *et al.* (See Englerth, Anton F., assignor.)

Banes, Walter D., Philadelphia, Pa., assignor to General Pressed Metal Company. Closure for containers. No. 1,260,299; Mar. 26; v. 248; p. 780.

Bangerter, Friedrich, New York, N. Y. Thermal motor. No. 1,260,300; Mar. 26; v. 248; p. 780.

Bangerter, Friedrich, New York, assignor to M. D. Kopple, Far Rockaway, N. Y. Friction-clutch. No. 1,262,909; Apr. 16; v. 249; p. 599.

Bangs, Anson M., New York, N. Y. Wheel-tires. No. 1,258,522; Mar. 5; v. 248; p. 167.

Bangs, Anson M., New York, N. Y. Shock-absorber. No. 1,289,081; Dec. 31; v. 257; p. 828.

Bangs, Anson M., South Bethlehem, Pa. Air-cushioning device. No. 1,289,082; Dec. 31; v. 257; p. 828.

Bangs, Chester T., Hobart, Ind. Traction-wheel. No. 1,274,840; Aug. 6; v. 253; p. 142.

Bangs, Chester T., Hobart, Ind. Traction-wheel. No. 1,274,841; Aug. 6; v. 253; p. 143.

Bangs, Chester T., Chicago, Ill. Traction-wheel. No. 1,282,023; Oct. 22; v. 255; p. 618.

Bangs, Francis M., Deep River, Conn. Mold for ingots, &c. No. 1,276,609; Aug. 20; v. 253; p. 690.

Banker, William C., Chicago, Ill. Tobacco-pipe. No. 1,277,826; Sept. 3; v. 254; p. 137.

Banks, John D., Colwyn, Pa. Thermostatic valve. No. 1,259,589; Mar. 19; v. 248; p. 543.

Banks, John S., Portsmouth, Va. Concrete-wall mold. No. 1,289,083; Dec. 31; v. 257; p. 829.

Banks, Leslie M., Muskogee, Okla. Tire. No. 1,255,689; Feb. 5; v. 247; p. 166.

Banks, William H., Hurtsboro, Ala. Insect-catching pan. No. 1,259,200; Mar. 12; v. 248; p. 401.

Bannan, John P. (See Williams, Frederic W., assignor.)

Bannan, Lewis M. (See Stange and Bannan.)

Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulating mechanism for centrifugal compressors. No. 1,268,079; June 4; v. 251; p. 3.

Banner Specialty Manufacturing Company. (See Jones, Hugh J., assignor.)

Bannon, Joseph B., and N. C. Rhodes, Grawn, Mich. Bean-sorter. No. 1,251,735; Jan. 1; v. 246; p. 88.

Banning, Frederick E. and K. E., Hadlyme, Conn. Anti-skid device. No. 1,267,837; May 28; v. 250; p. 910.

Banning, Keeney E. (See Banning, Frederick E. and K. E.)

Bannon, Martin J. (See Gray, William B., assignor.)

Banschbach, John A., Shelbyville, Ind. Automatic tape-sealing machine. No. 1,273,128; July 23; v. 252; p. 752.

Banta, Edward C., Jr. (See Murray and Banta.)

Banwell, Henry C., London, and F. Phillips, Bromley, England, assignors to The National Cash Register Company, Dayton, Ohio. Ticket-printing mechanism. No. 1,265,725; May 14; v. 250; p. 262.

Bányai, Mór, Tolna, Hungary. Process and device for the manufacture of real oriental carpets. No. 1,251,620; Jan. 1; v. 246; p. 53.

Banzett, William H., Bergenfield, N. J., assignor to Mercantile Corporation, Dayton, Ohio. Machine for making window-envelops. No. 1,265,987; May 14; v. 250; p. 337.

Banzett, William H., Bergenfield, N. J., assignor to Mercantile Corporation, Dayton, Ohio. Machine for making perfected window-envelop blanks. No. 1,289,084; Dec. 31; v. 257; p. 829.

Baptista, Manuel E., New Bedford, Mass. Adjustable staging. No. 1,287,609; Dec. 17; v. 257; p. 416.

Baptiste, George, St. Louis, Mo. Awning-arm. No. 1,258,977; Mar. 12; v. 248; p. 337.

Barab, Jacob, Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating nut-shells from adherent meats. No. 1,280,634; Oct. 8; v. 255; p. 170.

Barab, Jacob, Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating nut-shells from adherent meats. No. 1,280,635; Oct. 8; v. 255; p. 170.

Barager, Christopher F., Honesdale, Pa. Jar-lifter. No. 1,270,685; June 25; v. 251; p. 800.

Barba, Anna E., San Jose, Cal. Egg-turning device for incubators. No. 1,277,530; Sept. 3; v. 254; p. 55.

Barbee, Annie, San Juan, Cal. Camera attachment. No. 1,263,018; Apr. 16; v. 249; p. 631.

Barber, Ada S. (See Barber, William, assignor.)

Barber, Allan J., Woonsocket, R. I. Drawing-frame. No. 1,255,074; Jan. 29; v. 246; p. 1163.

Barber Asphalt Paving Company, The. (See Fraser, William M., assignor.)

Barber Asphalt Paving Company, The. (See Wiederhold, Henry, assignor.)

Barber, Berlan S., Minonk, Ill. Table-cloth support. No. 1,277,827; Sept. 3; v. 254; p. 137.

Barber-Colman Company. (See Colman, Howard D., assignor.)

Barber-Colman Company. (See Peterson, Burt A., assignor.)

Barber, Earl E. (See Grover and Barber.)

Barber, Earl E., Boston, and A. D. Grover, Malden, Mass., assignors, by mesne assignments, to Autosales Corporation. Coin-controlled vending-machine. No. 1,278,826; Sept. 17; v. 254; p. 459.

Barber, George W., assignor of one-half to C. J. Watson, Des Moines, Iowa. Heater for intake-manifolds. No. 1,289,605; Dec. 31; v. 257; p. 959.

Barber-Greene Company. (See Barber, Harry H., assignor.)

Barber, Guy M., assignor of one-third to W. M. Wootten, Los Angeles, Cal. Hydrocarbon-burner. No. 1,251,952; Jan. 1; v. 246; p. 150.

Barber, Harry H., assignor, by mesne assignments, to Barber-Greene Company, Aurora, Ill. Digging-disk feeder. No. 1,256,642; Feb. 19; v. 247; p. 523.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-handling machine. No. 1,252,768; Jan. 8; v. 246; p. 418.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Delivery mechanism for printing-presses. No. 1,253,332; Jan. 15; v. 246; p. 612.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-handling machine. No. 1,254,876; Jan. 29; v. 246; p. 1110.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,263,837; Apr. 23; v. 249; p. 877.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Signature-handling machine. No. 1,264,753; Apr. 30; v. 249; p. 1162.

Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-feeding mechanism for printing-presses. No. 1,265,726; May 14; v. 250; p. 263.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-collecting mechanism. No. 1,267,354; May 28; v. 250; p. 773.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet associating and folding machine. No. 1,269,039; June 11; v. 251; p. 292.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet collecting, associating, and folding machine. No. 1,269,040; June 11; v. 251; p. 292.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet collecting, associating, and folding machine. No. 1,269,041; June 11; v. 251; p. 292.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery mechanism for printing-machines. No. 1,279,825; Sept. 24; v. 254; p. 758.

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,279,826; Sept. 24; v. 254; p. 758.

Alphabetical list of patentees—Continued.

Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Static-electricity dissipator for paper webs or sheets. No. 1,280,366; Oct. 1; v. 255; p. 70.
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Rotary punching mechanism for traveling webs. No. 1,280,367; Oct. 1; v. 255; p. 71.
Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Inking mechanism for printing-presses. No. 1,284,212; Nov. 12; v. 256; p. 232.
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Inking mechanism for rotary printing-machines. No. 1,284,213; Nov. 12; v. 256; p. 232.
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,284,983; Nov. 19; v. 256; p. 466.
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Compensating guide-roll for webs. No. 1,288,801; Dec. 24; v. 257; p. 737.
Barber, Joel D., Bronxville, N. Y. Automaton-fixture. No. 1,263,838; Apr. 23; v. 249; p. 877.
Barber, John W., Newton, Mass. Package. No. 1,253,564; Jan. 15; v. 246; p. 681.
Barber, Solomon, New York, N. Y. Coffee-making urn. No. 1,254,301; Jan. 22; v. 246; p. 912.
Barber, Thomas W., Westminster, London, England. Method for the recovery of fatty and other matters from liquids. No. 1,251,621; Jan. 1; v. 246; p. 53.
Barber, William, assignor to A. S. Barber, Brooklyn, N. Y. Dumping-wagon. No. 1,262,159; Apr. 9; v. 249; p. 360.
Barber, William J., Cleveland, Ohio. Gas-burner. No. 1,267,355; May 28; v. 250; p. 774.
Barber, William M., Somerville, Mass. Machine for drying paper. No. 1,261,343; Apr. 2; v. 249; p. 100.
Barbieri, Cesare, Chicago, Ill. Elevating-machine. No. 1,286,202; Dec. 3; v. 257; p. 40.
Barbieri, Cesare, Chicago, Ill. Automatic measuring device. No. 1,286,496; Dec. 3; v. 257; p. 78.
Barbieri, Cesare, and P. Carpenter, Chicago, Ill. Inverted incandescent mantle. No. 1,263,732; Apr. 23; v. 249; p. 848.
Barbieri, Cesare, and J. S. Thompson, Chicago, Ill., assignors to L. Schlesinger, trustee, Milwaukee, Wis. Printing-machine. No. 1,287,610; Dec. 17; v. 257; p. 416.
Barbieri, Nicola A., Rome, Italy. Physiological fertilizer for seeds and plants. No. 1,282,170; Oct. 22; v. 255; p. 660.
Barbosa, Antonio A., assignor of one-fourth to R. J. Dominguez and one-fourth to W. Andrews, Los Angeles, Cal. Marine munitions and the like. No. 1,278,420, Sept. 10; v. 254; p. 319.
Barbour, George H., Pittsburgh, Pa. Railway-track structure and making same. No. 1,252,647; Jan. 8; v. 246; p. 383.
Barbour, Justin F., Chicago, Ill. Filing-rack for loose-leaf binders. No. 1,286,912; Dec. 10; v. 257; p. 212.
Barcalo Mfg. Co. (See Safford, Lewis A., assignor.)
Barcalo Manufacturing Company. (See Vallone, Charles, assignor.)
Barclay, Benjamin B. (See Sproul and Barclay.)
Barco Brass & Joint Company. (See Point, George M., assignor.)
Bard, Francis N., Chicago, Ill. Flexible joint. No. 1,254,566; Jan. 22; v. 246; p. 986.
Bard, Francis N., Highland Park, Ill. Connection between the engines and tenders of trains. No. 1,278,567; Sept. 10; v. 254; p. 359.
Bard, Jacob W., assignor to Sangamo Electric Company, Springfield, Ill. Electricity-meter. No. 1,266,652; May 21; v. 250; p. 552.
Bardeen Corporation, The. (See Bardeen, Hugh A., assignor.)
Bardeen Corporation, The. (See Harris, Ford W., assignor.)
Bardeen, Hugh A., Venice, assignor to The Bardeen Corporation, Los Angeles, Cal. Apparatus for annealing and straightening pipe. No. 1,260,624; Mar. 26; v. 248; p. 877.
Bardeen, Hugh A., Los Angeles, Cal. Collar and lead ring and process of coupling drill-pipes. No. 1,265,706; May 7; v. 250; p. 226.
Bardeloni, Cesare, Rome, Italy. Telephonic transmission without return-wire. No. 1,287,180; Dec. 10; v. 257; p. 281.
Bardill, Oscar H., Minneapolis, Minn. Storm-sash fastener. No. 1,273,129; July 23; v. 252; p. 752.
Bardin, Hazard, Okahumpka, Fla. Tent-covering. No. 1,283,452; Nov. 5; v. 256; p. 4.
Bardons and Oliver. (See Busch, Frederic C., assignor.)
Bardsley, Edmund C. (See Fulton, Frank, assignor.)
Bardsley, Walter R., Philadelphia, Pa. Film-pack holder and adjuster. No. 1,259,069; Mar. 12; v. 248; p. 365.
Barducci, Pilade, Naples, Italy. Apparatus for arranging macaroni or like alimentary pastes on rods or the like. No. 1,257,966; Mar. 5; v. 248; p. 5.
Barducci, Pilade, Naples, Italy. Drying-chamber. No. 1,282,363; Oct. 22; v. 255; p. 712.
Bardwell, Edwin A., assignor to H. H. Mayhew Company, Shelburne Falls, Mass. Method or process of nurling. No. 1,273,441; July 23; v. 252; p. 834.
Bardwell, Francis N., Passaic, N. J. Wardrobe. No. 1,260,854; Mar. 26; v. 248; p. 941.
Bardy, Samuel, Philadelphia, Pa. Motion-picture apparatus for projectors and cameras. No. 1,258,298; Mar. 5; v. 248; p. 101.
Barfield, Robert C., Salem, Oreg. Automobile-signal. No. 1,277,175; Aug. 27; v. 253; p. 879.
Barfoed, Svend, Oakland, Cal. High-tension suspension-insulator. No. 1,256,643; Feb. 19; v. 247; p. 523.
Barford, Valentine G., Basingstoke, assignor to John I. Thornycroft & Co., Limited, Westminster, England. Apparatus for supplying liquid fuel to internal-combustion engines. No. 1,263,839; Apr. 23; v. 249; p. 877.
Barger, Clyde T., Hayes, Ill. Horse-collar. No. 1,270,588; June 25; v. 251; p. 774.
Barger, Frederick C., assignor to The Nu-Ex Fire Appliance Company, Columbus, Ohio. Fire-extinguisher. No. 1,289,360; Dec. 31; v. 257; p. 898.
Barghausen, John F., Washington, D. C. Intermembering and interlocking device. No. 1,254,636; Jan. 22; v. 246; p. 1006.
Barghausen, John F., Washington, D. C. Machine for gathering crimson-clover seed. No. 1,261,202; Apr. 2; v. 249; p. 59.
Barglebaugh, Charles E., Dallas, Tex. Concrete composition. No. 1,287,827; Dec. 17; v. 257; p. 472.
Barhite, John N., Alden, Iowa. Oil-can. No. 1,263,840; Apr. 23; v. 249; p. 878.
Barker, Charles F., and F. W. Millay, Haverhill, Mass. Last. No. 1,260,301; Mar. 26; v. 248; p. 780.
Barker, Charles L., Norwalk, Conn. Shaft-steadying device. No. 1,282,364; Oct. 22; v. 255; p. 713.
Barker, England J., Chicago, Ill. Paper-supply attachment for type-writing machines. No. 1,260,953; Mar. 26; v. 248; p. 967.
Barker, England J., Chicago, Ill. Measured extractor for autographic registers. No. 1,279,496; Sept. 24; v. 254; p. 663.
Barker, England J., Chicago, Ill. Extracting mechanism for autographic registers. No. 1,279,497; Sept. 24; v. 254; p. 663.
Barker, England J., Chicago, Ill. Extractor mechanism for autographic registers. No. 1,283,039; Oct. 29; v. 255; p. 926.
Barker, England J., Chicago, Ill. Extracting mechanism for autographic registers. No. 1,284,557; Nov. 12; v. 256; p. 319.
Barker, James, Philadelphia, assignor to M. E. Barker, Rydal, Pa. Doffer-roll. No. 1,286,497; Dec. 3; v. 257; p. 78.
Barker, John A., Richmond, Va. Painter's guard. No. 1,287,181; Dec. 10; v. 257; p. 281.
Barker, John H., Carmunnock, by Glasgow, Scotland. Apparatus for the making of bolts, nuts, spindles, or the like from the bar automatically on a machine with two, four, or six spindles. No. 1,281,753; Oct. 15; v. 255; p. 506.
Barker, John J., Cowansville, Quebec, Canada. Sign. No. 1,266,194; May 14; v. 250; p. 396.
Barker, John P., Glendale, assignor, by mesne assignments, to Homer Motors Company, Los Angeles, Cal. Self-lubricating tractor-wheel. No. 1,253,120; Jan. 8; v. 246; p. 522.
Barker, John P., Glendale, assignor, by mesne assignments, to Homer Motors Company, Los Angeles, Cal. Universal driving-joint for tractors, &c. No. 1,254,763; Jan. 29; v. 246; p. 1074.
Barker, John S., Rochester, N. Y. Transmission. No. 1,262,737; Apr. 16; v. 249; p. 550.
Barker, Lester C., Denver, Colo. Gradometer. No. 1,260,126; Mar. 19; v. 248; p. 697.
Barker, Mary E. (See Barker, James, assignor.)
Barker, Orvil P., Wichita, Kans. Bird-trap. No. 1,262,160; Apr. 9; v. 249; p. 360.
Barker, Reuben F., Portland, Oreg. Rotary valve for explosive-engines. No. 1,251,953; Jan. 1; v. 246; p. 151.
Barker, Robert J., Kansas City, Kans. Tobacco-conservator. No. 1,263,189; Apr. 16; v. 249; p. 680.
Barker, Thomas J., and F. L. Miller, Rosedale, Kans. Joist-form. No. 1,253,333; Jan. 15; v. 246; p. 613.
Barker, Walter G., assignor to Manning Bowman & Company, Meriden, Conn. Vacuum-insulated vessel. No. 1,275,830; Aug. 13; v. 253; p. 441.
Barker, Wendell A., Chicago, Ill. Clutch-operating means. No. 1,270,255; June 25; v. 251; p. 681.
Barker, William B., Huntsville, Ala. Label for piece goods. No. 1,281,895; Oct. 15; v. 255; p. 545.
Barker, William J. (See Bigham and Barker.)
Barker, Wyndham E., Fortuna, Cal. Rotary sprinkler. No. 1,266,384; May 14; v. 250; p. 446.
Barkey, Arnold A. (See Ehlers, Richard, assignor.)
Barkey, Arnold A. (See Hueber, Henry, assignor.)
Barkley, William J. (See Ford, Reid G., assignor.)
Barkow, Frank G., Los Angeles, Cal. Game. No. 1,253,202; Jan. 15; v. 246; p. 573.

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Barks, Frank S., St. Louis, Mo. Draft-sill. No. 1,272,355; July 16; v. 252; p. 510.
Barks, Frank S., and J. T. Krieger, assignors to Lincoln Steel & Forge Company, St. Louis, Mo. Bearing for car-wheels. No. 1,282,365; Oct. 22; v. 255; p. 713.
Barler, Eugene M., Houston, Tex. Shadowgraph. No. 1,263,307; Apr. 16; v. 249; p. 710.
Barley, Thomas K., Sedalia, Mo. Metal rake-tooth tip. No. 1,251,622; Jan. 1; v. 246; p. 53.
Barlow, Arthur, assignor of one-half to W. McDougall, Brooklyn, N. Y. Suppporting device for nursing-bottles. No. 1,271,994; July 9; v. 252; p. 382.
Barlow, Bronson, Chicago, Ill. Closure for culture-containers. No. 1,283,040; Oct. 29; v. 255; p. 926.
Barlow, George H., *et al.* (See Seley, Charles C., assignor.)
Barlow, Harry, Seattle, Wash. Elevator. No. 1,279,967; Sept. 24; v. 254; p. 798.
Barlow, J. E., *et al.* (See Christensen, Nels C., assignor.)
Barlow, John B., Walker township, Kent county, Mich. Holder for phonograph-records. No. 1,255,690; Feb. 5; v. 247; p. 166.
Barlow, Peter, Prestwich, near Manchester, England. Dobby used in looms for weaving. No. 1,256,644; Feb. 19; v. 247; p. 524.
Barlow, Theodore H. (See Elters, William S., assignor.)
Barlow, Walter S., Marysville, Tex. Expansion-plug. No. 1,266,653; May 21; v. 250; p. 552.
Barlow, William H., Goldfield, Nev. Gate for bins. No. 1,280,368; Oct 1; v. 255; p. 71.
Barna, Joseph W., Chicago, Ill., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for setting blind eyelets. No. 1,253,121; Jan. 8; v. 246; p. 522.
Barnard, Charles S., assignor to The Bassick Company, Bridgeport, Conn. Latch. No. 1,271,117; July 2; v. 252; p. 102.
Barnard, Charles S., assignor to The Bassick Company, Bridgeport, Conn. Latch. No. 1,275,363; Aug. 13; v. 253; p. 312.
Barnard, Thomas H., Hamilton, Ontario, Canada. Cable-clamp. No. 1,271,264; July 2; v. 252; p. 145.
Barnard, Walter E., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,274,365; Aug. 6; v. 253; p. 4.
Barnard, William L., St. Louis, Mo. Incandescent electric lamp. No. 1,273,130; July 23; v. 252; p. 752.
Barndt, Charles F., Racine, Wis. Buffer. No. 1,263,996; Apr. 23; v. 249; p. 921.
Barnes, Arthur C., Baltimore, Md. Game. No. 1,276,475; Aug. 20; v. 253; p. 653.
Barnes, Charles E., New York, N. Y., assignor of one-half to T. G. Strater, Brookline, Mass. Multiform chair. No. 1,287,828; Dec. 17; v. 257; p. 472.
Barnes, Charles S. (See Dailey, James O., assignor.)
Barnes, Chester A., Blue Grass, Iowa. Feeding-trough No. 1,276,610; Aug. 20; v. 253; p. 691.
Barnes, Chester A., Blue Grass, Iowa. Portable feed-mixing apparatus. No. 1,279,221; Sept. 17; v. 254; p. 564.
Barnes, Chester A., Blue Grass, Iowa. Animal feed-trough. No. 1,283,627; Nov. 5; v. 256; p. 50.
Barnes, Edward A., Giant, Cal. Nitrated product and making same. No. 1,273,568; July 23; v. 252; p. 869.
Barnes, Edward M., assignor, by mesne assignments, to A. E. Johnson, Hastings, Mich. Steering mechanism for motor-vehicles. No. 1,262,619; Apr. 16; v. 249; p. 517.
Barnes, Edward M., Hastings, assignor to American Utilities Company, St. Joseph, Mich. Electric water-purifier. No. 1,264,593; Apr. 30; v. 249; p. 1121.
Barnes, Edward M., Hastings, assignor to American Utilities Company, St. Joseph, Mich. Electric water-purifier. No. 1,267,044; May 21; v. 250; p. 661.
Barnes, Eugene K., Marietta, Ga. Spraying apparatus. No. 1,273,311; July 23; v. 252; p. 799.
Barnes, Everitte K. (See Roberts and Barnes.)
Barnes, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture apparatus. No. 1,269,366; June 11; v. 251; p. 383.
Barnes, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. No. 1,266,385; May 14; v. 250; p. 446.
Barnes, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Lens-grinding machine. No. 1,270,770; July 2; v. 252; p. 5.
Barnes, Frederick W., and G. F. Phillips, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic-dark-room lamp. No. 1,252,383; Jan. 8; v. 246; p. 306.
Barnes, Harold B., Denver, Colo. Audible indicating device. No. 1,287,829; Dec. 17; v. 257; p. 473.
Barnes, Harold M., and D. P. Page, assignors to Grand Rapids Brush Company, Grand Rapids, Mich. Brush. No. 1,256,288; Feb. 12; v. 247; p. 384.
Barnes, Herbert J., Reading, Pa. Headlight. No. 1,287,611; Dec. 17; v. 257; p. 416.
Barnes, Herman L., West Pullman, Ill., assignor to Whitman and Barnes Manufacturing Company, Akron, Ohio. Making drills. No. 1,285,589; Nov. 26; v. 256; p. 659.
Barnes, John L., Los Angeles, Cal. De- and re-capper for shotgun-shells. No. 1,269,249; June 11; v. 251; p. 352.
Barnes, John S., Detroit, Mich. Wire fence. No. 1,269,774; June 18; v. 251; p. 527.
Barnes, John S., Detroit, Mich. Internal-combustion engine. No. 1,276,004; Aug. 20; v. 253; p. 521.
Barnes, John S., Detroit, Mich. Making metallic fabric. No. 1,282,171; Oct. 22; v. 255; p. 660.
Barnes, John S., and E. J. Randall, Detroit, Mich. Gate-hinge. No. 1,261,678; Apr. 2; v. 249; p. 195.
Barnes, John S., and E. J. Randall, Detroit, Mich. Gate-latch. No. 1,261,679; Apr. 2; v. 249; p. 195.
Barnes & Kobert Manufacturing Company, The. (See Benedict, Paul M., assignor.)
Barnes, Lovrick P. (See Jenkins, Samuel H., assignor.)
Barnes, Luther C. (See Hill, Charles, assignor.)
Barnes, Melvin E. (See Barnes, Wilbur E. and M. E.)
Barnes, Pierre. (See Stanley, John, assignor.)
Barnes, Pierre, *et al.* (See Stevenson, John F., assignor.)
Barnes, Richard R., Blanchard, La. Automobile-driven steering-wheel. No. 1,284,984; Nov. 19; v. 256; p. 466.
Barnes, Thomas E. (See Ferguson and Barnes.)
Barnes, Thomas F. (See Dempsey and Barnes.)
Barnes, Thomas P., Manchester, England. Support or holder for detachable wheels of motor-vehicles. No. 1,257,666; Feb. 26; v. 247; p. 858.
Barnes, Tomie F., Hugo, Okla. Skin-stretcher. No. 1,271,418; July 2; v. 252; p. 185.
Barnes, W. Herbert, Pueblo, Colo. Portable lamp-bracket. No. 1,261,894; Apr. 9; v. 249; p. 286.
Barnes, Wilbur E. and M. E., Newark, N. J. Loom. No. 1,253,565; Jan. 15; v. 246; p. 681.
Barnett, Arthur R., Indianapolis, Ind. Means for attaching and removing detachable blades and the like. No. 1,261,680; Apr. 2; v. 249; p. 195.
Barnett, Ernest F., Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Dust-collecting hood. No. 1,255,110; Jan. 29; v. 246; p. 1173.
Barnett, Harry, New York, N. Y., assignor to The Kny-Scheerer Corporation. Conducting-rim X-ray machine. No. 1,287,612; Dec. 17; v. 257; p. 417.
Barnett, Herbert, Kingston, Ontario, Canada. Automobile-switching truck. No. 1,261,681; Apr. 2; v. 249; p. 196.
Barnett, John B., assignor to J. I. Clingman and A. D. Hodgson, Fort Worth, Tex. Advertising-machine. No. 1,256,645; Feb. 19; v. 247; p. 524.
Barnett, Maurice, and L. Burgess, New York, N. Y. Producing alumina. No. 1,252,384; Jan. 8; v. 246; p. 306.
Barnett, Maurice, and L. Burgess, New York, N. Y. Producing aluminum sulfate. No. 1,252,648; Jan. 8; v. 246; p. 384.
Barnett, Maurice, and L. Burgess, New York, N. Y. Producing aluminum nitrid. No. 1,252,649; Jan. 8; v. 246; p. 384.
Barnett, Otto R. (See Laas, Edward, assignor.)
Barnett, Maurice, and L. Burgess, New York, N. Y. Treating alunogen, halotrichite, or the like. No. 1,280,636; Oct. 8; v. 255; p. 170.
Barnett, Stewart R., Belleville, Wis. Superrefining fats. No. 1,271,118; July 2; v. 252; p. 102.
Barnett, Walter, and J. Florendine, Rugby, England. Conveyer adapted to road-sweeping machines. No. 1,255,275; Feb. 5; v. 247; p. 45.
Barnett, Walter, and J. Florendine, Rugby, England. Screw conveyer. No. 1,255,276; Feb. 5; v. 247; p. 46.
Barnett, William, Portland, Oreg. Adjustable sink-bracket. No. 1,253,924; Jan. 15; v. 246; p. 782.
Barnett, William, Portland, Oreg. Ironing-board. No. 1,257,967; Mar. 5; v. 248; p. 5.
Barnett, William A., Lincoln, Nebr. Collar-turning machine. No. 1,273,807; July 30; v. 252; p. 970.
Barnette, Henry C., and R. M. Massey, Bixby, Okla. Jack-plate. No. 1,284,985; Nov. 19; v. 256; p. 467.
Barney, Edwin E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,270,918; July 2; v. 252; p. 47.
Barney, Edwin E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,284,214; Nov. 12; v. 256; p. 232.
Barney, Frank P., Chartley, Mass. Snap-fastener. No. 1,253,566; Jan. 15; v. 246; p. 681.
Barney, John A., *et al.* (See Wade and Billado, assignors.)
Barney, Philip, Dollard, Saskatchewan, Canada. Guard. No. 1,284,558; Nov. 12; v. 256; p. 320.
Barney, William A. and W. J., Detroit, Mich. Time-indicator for mail-boxes. No. 1,268,667; June 4; v. 251; p. 170.
Barney, William J. (See Barney, William A. and W. J.)
Barnhart, Russell E., Huntington, W. Va. Permanent bath-tub seat. No. 1,284,171; Nov. 5; v. 256; p. 193.
Barnhart, Willard E. (See Blair, James A., assignor.)
Barnhouse, Marshall, Hollister, Idaho. Transmission mechanism. No. 1,264,359; Apr. 30; v. 249; p. 1054.
Barnsdale, John G., Superior, Wis. Manifold for internal-combustion engines. No. 1,264,477; Apr. 30; v. 249; p. 1088.

Barnstead, Robert P., Boston, Mass. Electric water-heater. No. 1,286,498; Dec. 3; v. 257; p. 78.
Barnthouse, Homer E., Marion Ohio. Auxiliary valve for internal-combustion engines. No. 1,259,070; Mar. 12; v. 248; p. 365.
Barnum, K. R. (See Savage, Ralph V., assignor.)
Barnum, Paul, San Francisco, Cal. Wall-bed or bed structure. No. 1,258,978; Mar. 12; v. 248; p. 338.
Barnum, Russell S., Chicago, Ill. Self-adjusting guard for hacksaws. No. 1,280,943; Oct. 8; v. 255; p. 254.
Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit-controller. No. 1,265,727; May 14; v. 250; p. 263.
Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,275,200; Aug. 13; v. 253; p. 267.
Barnum, William W., Niagara Falls, N. Y. Milk-pasteurizer. No. 1,260,127; Mar. 19; v. 248; p. 697.
Baron, Michael, Newark, N. J. Life-preserver. No. 1,253,122; Jan. 8; v. 246; p. 523.
Barr, Albert D., McHue, Ark. Ferment and making the same. No. 1,253,334; Jan. 15; v. 246; p. 613.
Barr, Archibald, and W. Stroud, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Optical adjuster for range-finders. No. 1,272,326; July 9; v. 252; p. 475.
Barr, Carl, Chicago, Ill. Electric switch. No. 1,251,856; Jan. 1; v. 246; p. 126.
Barr, Charles R., Philadelphia, Pa. Combined roller and ice skate. No. 1,266,386; May 14; v. 250; p. 446.
Barr Company, The. (See Barr, Samuel C., assignor.)
Barr, David W., Waterloo, assignor to Friction Proof Lubricant Company, Des Moines, Iowa. Lubricating device. No. 1,259,474; Mar. 19; v. 248; p. 511.
Barr, Francis A., Fresno, Cal. Drier. No. 1,252,650; Jan. 8; v. 246; p. 384.
Barr, Harry E., Erie, Pa. Form of press. No. 1,288,472; Dec. 24; v. 257; p. 656.
Barr, John H., New York, and H. A. Carhart, Syracuse, assignors to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,252,218; Jan. 1; v. 246; p. 225.
Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,267,356; May 28; v. 250; p. 774.
Barr, John H., assignor to Kansas City Folding and Marking Machine Co., Kansas City, Mo. Paper-feeding machine. No. 1,285,590; Nov. 26; v. 256; p. 659.
Barr, John L., Gentryville, Ind. Poultry-roost. No. 1,254,964; Jan. 29; v. 246; p. 1134.
Barr, John U., New York, N. Y. Goggles or eye-protectors. No. 1,257,667; Feb. 26; v. 247; p. 859.
Barr, Joseph C., Riverton, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Chain grizzly. No. 1,276,005; Aug. 20; v. 253; p. 521.
Barr, Lester S., Washington, D. C. Airplane. No. 1,287,182; Dec. 10; v. 257; p. 281.
Barr, Mark, London, and R. A. Bell, Wimbledon, assignors of one-third to H. R. Beeton, London, England. Calculating-machine. No. 1,272,889; July 16; v. 252; p. 662.
Barr, Morris A., Ardmore, Pa. Rack. No. 1,268,313; June 4; v. 251; p. 69.
Barr, Robert I., *et al.* (See Cobb, Bayard G., assignor.)
Barr, Samuel C., Chillicothe, Ohio. Eye-testing machine. No. 1,266,090; May 14; v. 250; p. 366.
Barr, Samuel C., Chillicothe, Ohio. Resilient wheel. No. 1,272,602; July 16; v. 252; p. 578.
Barr, Samuel C., Chillicothe, Ohio, assignor to The Barr Company. Vending-machine. No. 1,282,727; Oct. 29; v. 255; p. 838.
Barr and Stroud. (See Barr and Stroud, assignors.)
Barraclough, Abraham, Gallup, N. Mex. Car arresting and holding device. No. 1,281,119; Oct. 8; v. 255; p. 302.
Barrall, George, assignor of one-half to J. E. Bergin, Nanticoke, Pa. Wrench. No. 1,279,827; Sept. 24; v. 254; p. 759.
Barratt, William T., assignor to C. S. Kehoe, A. Cooper, and A. J. Cooper, executors, Bennington, Vt. Circular-knitting machine. No. 1,257,968; Mar. 5; v. 248; p. 6.
Barratt, William T., Bennington, Vt., assignor to C. S. Kehoe, A. Cooper, and A. J. Cooper, executors. Circular-knitting machine. No. 1,286,913; Dec. 10; v. 257; p. 212.
Barrelet, Justin W., Marseille, France. Buckle attachment. No. 1,279,498; Sept. 24; v. 254; p. 664.
Barrell, Charles S., Boston, Mass. Shock-absorber. No. 1,282,712; Oct. 22; v. 255; p. 807.
Barrère, Robert B., Berkeley, Cal. Soap-holding attachment for faucets. No. 1,268,668; June 4; v. 251; p. 170.
Barrett, Arthur, Bellevue, Pa. Wrench. No. 1,285,899; Nov. 26; v. 256; p. 737.
Barrett, Arthur M., Winnetka, Ill. Copying device. No. 1,273,131; July 23; v. 252; p. 752.
Barrett, Arthur M., and W. F. Stone, Chicago, Ill.; said Stone assignor to said Barrett. Time-stamp. No. 1,271,004; July 2; v. 252; p. 72.
Barrett Co., The. (See Downs, Charles R., assignor.)
Barrett Company, The (See Dodge and Rhodes, assignors.)
Barrett Company, The. (See Griffin, Edward G., assignor.)
Barrett Company, The. (See Lee, Ralph A., assignor.)
Barrett Company, The. (See Libby and Logan, assignors.)
Barrett Company, The. (See Mason, Lennox S., assignor.)
Barrett Company, The. (See Perry, Ray P., assignor.)
Barrett Company, The. (See Stewart, Edwin F., assignor.)
Barrett Company, The. (See Swenson, George E., assignor.)
Barrett Company, The. (See Weiss, John M., assignor.)
Barrett Company, The. (See Whiting and Logan, assignors.)
Barrett, Daisy J., Flushing, N. Y. Over-garment. No. 1,277,828; Sept. 3; v. 254; p. 138.
Barrett, Edwin T., Newark, N. J. Concrete-mold. No. 1,262,910; Apr. 16; v. 249; p. 599.
Barrett, Ernest D., New York, N. Y. Starting mechanism for engines. 1,273,808; July 30; v. 252; p. 971.
Barrett, Homer L., Cyril, Okla. Knee-protector. No. 1,271,119; July 2; v. 252; p. 102.
Barrett, James, New York, N. Y. Shaving kit. No. 1,286,167; Nov. 26; v. 256; p. 802.
Barrett, John B. (See Brodstrom, Gustaf A., assignor.)
Barrett, John B., Clifton Station, Va. Means for indicating the position of submarine craft. No. 1,252,876; Jan. 8; v. 246; p. 446.
Barrett, John B., Clifton Station, Va. Means for indicating the position of self-propelled vessels. No. 1,252,877; Jan. 8; v. 246; p. 447.
Barrett, Joseph C., Brooklyn, assignor to American Kron Scale Company, New York, N. Y. Weighing-scale. No. 1,285,591; Nov. 26; v. 256; p. 659.
Barrett, Joseph M., assignor to The "S-C" Regulator Company, Fostoria, Ohio. Valve. No. 1,275,831; Aug. 13; v. 253; p. 441.
Barrett, Thomas C., Haverhill, Iowa. Switch-frog. No. 1,284,559; Nov. 12; v. 256; p. 320.
Barrett, Thomas J., Irvington, assignor, by mesne assignments, to Autographic Recorder Company, Newark, N. J. Distance and speed indicator and recorder. No. 1,277,359; Sept. 3; v. 254; p. 6.
Barrett, William J. (See Lago and Barrett.)
Barrick, Oliver W., and J. E. Speicher, Altoona, Pa. Automobile toy. No. 1,269,250; June 11; v. 251; p. 352.
Barriga, Amelia S. de, Bogota, Colombia. Stamp-moistening device. No. 1,279,289; Sept. 17; v. 254; p. 584.
Barringer, Daniel M., Wayne, Pa. Separation of magnetic iron ore from its associated non-magnetic or feebly-magnetic minerals. No. 1,256,972; Feb. 19; v. 247; p. 621.
Barringer, Worth R., Grand Junction, Colo., assignor to The Submersible Boat Company. Boat. No. 1,259,201; Mar. 12; v. 248; p. 401.
Barringer, Worth R., Denver, Colo., assignor to The Submersible Boat Company. Submersible boat. No. 1,278,090; Sept. 10; v. 254; p. 232.
Barron, Andrew F., Watervliet, N. Y. Horseshoe. No. 1,265,034; May 7; v. 250; p. 46.
Barron, William L., New York, N. Y., assignor to The Singer Manufacturing Company. Tape-cutting mechanism for sewing-machines. No. 1,255,501; Feb. 5; v. 247; p. 111.
Barron, William L., New York, N. Y., and F. E. Osol, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Presser-foot-lifting mechanism for sewing-machines. No. 1,269,775; June 18; v. 251; p. 528.
Barrow, Benjamin D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,279,222; Sept. 17; v. 254; p. 565.
Barrows, Allan S., *et al.* (See Alquist, Sven P., assignor.)
Barrows, Isaac P., Mount Hope, W. Va. Photographic-printing machine. No. 1,276,476; Aug. 20; v. 253; p. 653.
Barrows, Walter B., East Lansing, Mich. Tongs. No. 1,260,302; Mar. 26; v. 248; p. 780.
Barry, Arthur, Liverpool, England. Exhausting air from the presence of food products. No. 1,285,552; Nov. 19; v. 256; p. 609.
Barry Automatic Marker Co. (See Barry, Richard V., assignor.)
Barry, Cornelius J., assignor of two-thirds to F. J. Setchell, Chicago, Ill. Grinding and polishing machine. No. 1,256,646; Feb. 19; v. 247; p. 524.
Barry, Henry, assignor of one-half to C. J. C. Scholpp, Jamestown, N. Y. Gluing-clamp. No. 1,283,393; Oct. 29; v. 255; p. 1019.
Barry, James P., Piedmont, and J. F. Barry, Oakland, Cal. Concrete-structure pile and the like and producing the same. No. 1,265,164; May 7; v. 250; p. 81.
Barry, Jerry, and E. Dion, Blaine Lake, Saskatchewan, Canada. Apparatus for refrigeration. No. 1,262,161; Apr. 9; v. 249; p. 361.
Barry, John F. (See Barry, James P. and J. F.)
Barry, Joseph, and W. J. Thomée, Hewlett, N. Y. Spring-hanger. No. 1,263,637; Apr. 23; v. 249; p. 823.
Barry, Nicholas, Muscatine, Iowa. Safety set-collar. No. 1,264,594; Apr. 30; v. 249; p. 1121.
Barry, Nicholas, Muscatine, Iowa. Button-blank-slitting machine. No. 1,264,595; Apr. 30; v. 249; p. 1121.

Barry, Richard V., assignor to Barry Automatic Marker Co., Davenport, Iowa. Land-marker. No. 1,263,997; Apr. 23; v. 249; p. 922.
Barry, Richard V., assignor of one-fourth to J. F. Schroeder, Davenport, and one-fourth to E. R. Schroeder, Stockton, Iowa. Metal-working machine. No. 1,283,453; Nov. 5; v. 256; p. 4.
Barry, Thomas F., assignor to Rubber & Celluloid Products Company, Newark, N. J. Manufacture of brushes. No. 1,280,944; Oct. 8; v. 255; p. 254.
Barry, Walter F., Orange, N. J. Grinding or polishing apparatus. No. 1,254,111; Jan. 22; v. 246; p. 857.
Barry, Walter F., Orange, N. J. Stopper for bottles, vials, or the like. No. 1,279,223; Sept. 17; v. 254; p. 565.
Barry, Walter H., and T. E. Collins, Chicago, Ill. Rolling shutter. No. 1,268,914; June 11; v. 251; p. 257.
Barry-Wehmiller Machinery Company. (See Gallup and Wachs, assignors.)
Barsby, Thomas F., assignor, by mesne assignments, to University Garage Company, Seattle, Wash. Motor-vehicle. No. 1,276,709; Aug. 27; v. 253; p. 754.
Barsby, Thomas F., assignor, by mesne assignments, to University Garage Company, Seattle, Wash. Extensible driving-shaft for automobiles. No. 1,276,710; Aug. 27; v. 253; p. 755.
Barshaw, Berton G., and D. F. Gettings, Carthage, N. Y. Vehicle-semaphore. No. 1,267,957; May 28; v. 250; p. 943.
Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Treating brine. No. 1,270,589; June 25; v. 251; p. 775.
Barstow, Edwin O., and T. Griswold, Jr., Midland, Mich. Separating volatile constituents. No. 1,261,005; Apr. 2; v. 249; p. 4.
Barstow, Welch, Spokane, assignor to T. F. Ryan, Seattle, Wash. Recording-thermometer. No. 1,264,478; Apr. 30; v. 249; p. 1088.
Bart, Joseph, Arlington, N. J., assignor of one-half to P. Habenschaden, New York, N. Y. Non-refillable bottle. No. 1,251,736; Jan. 1; v. 246; p. 88.
Barta, Otto, Brooklyn, N. Y., assignor to The Prometheus Electric Company. Sterilizer. No. 1,286,914; Dec. 10; v. 257; p. 213.
Bartel, Rudolph F., Bayonne, N. J. Suspenders. No. 1,288,802; Dec. 24; v. 257; p. 737.
Bartels, Arthur, Westgate, Iowa. Wagon-stanchion. No. 1,251,463; Jan. 1; v. 246; p. 4.
Bartels, Charles W., Chicago, Ill. Collapsible rat-trap. No. 1,278,421; Sept. 10; v. 254; p. 320.
Bartels, Henry, Coleman, Wis. Nail-puller. No. 1,271,832; July 9; v. 252; p. 334.
Bartelt, Arthur H., Milwaukee, Wis. Wrench. No. 1,261,006; Apr. 2; v. 249; p. 5.
Bartelt, Friedrich L., Corston Lodge, near Bristol, England. Cleansing of linen, woolen, cotton, and other goods. No. 1,267,737; May 28; v. 250; p. 880.
Barth, Kurt E., Charlottenburg, assignor to Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Recovering the vapors of volatile liquids. No. 1,264,479; Apr. 30; v. 249; p. 1089.
Barthel, Oliver E., Detroit, Mich. Internal-combustion engine. No. 1,289,606; Dec. 31; v. 257; p. 959.
Barthelemy, Walter L., Dayton, Ohio. Internal-combustion engine. No. 1,284,043; Nov. 5; v. 256; p. 159.
Barthelmes, Kurt, Rochester, N. Y. Making aluminum sheet-metal shapes. No. 1,258,854; Mar. 12; v. 248; p. 303.
Bartholomay, Edward, Rochester, N. Y. Connector and hanger for meters. No. 1,282,024; Oct. 22; v. 255; p. 619.
Bartholomew, Charles D. (See Colvin and Bartholomew.)
Bartholomew, Frank, and N. B. Payne, New York, N. Y. Traveling-crane structure. No. 1,283,041; Oct. 29; v. 255; p. 926.
Bartholomew, Gilbert A., assignor to The Noble Heater Company, Kendallville, Ind. Automobile exhaust-heater. No. 1,267,496; May 28; v. 250; p. 812.
Bartholomew, John B., Peoria, Ill., assignor to Avery Company. Gang-plow. No. 1,257,446; Feb. 26; v. 247; p. 792.
Bartholomew, John B., Peoria, Ill., assignor to Avery Company. Plow. No. 1,285,900; Nov. 26; v. 256; p. 737.
Bartholomew, Joseph J., California, Ohio. Arm-supporter. No. 1,263,841; Apr. 23; v. 249; p. 878.
Bartholomew, Phineas L., Aurora, Ill. Paper-bag-making machine. No. 1,283,454; Nov. 5; v. 256; p. 4.
Bartholomew, Wilbur F., Brooklyn, N. Y. Date and rubber-type holder. No. 1,277,027; Aug. 27; v. 253; p. 837.
Bartholomew, William, Chicago, Ill., assignor to Troy Laundry Machinery Company, Ltd. Waste-valve. No. 1,261,895; Apr. 9; v. 249; p. 286.
Bartholomew, William, assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Cover-locking mechanism for cylinder washing-machines. No. 1,287,830; Dec. 17; v. 257; p. 473.
Bartholomew, William, and F. Balzer, assignors to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Time-controlled mechanism for cylinder washing-machines. No. 1,251,737; Jan. 1; v. 246; p. 89.
Bartlett All Steel Scythe Company. (See Kitchen, Samuel M., assignor.)
Bartlett, Charles A., Edwardsville, Ill. Floor-covering. No. 1,271,005; July 2; v. 252; p. 72.
Bartlett, Charles H., Cambridge, Mass. Ledger-holder. No. 1,253,567; Jan. 15; v. 246; p. 681.
Bartlett, Charles H., Cambridge, Mass. Book-holder. No. 1,253,568; Jan. 15; v. 246; p. 682.
Bartlett, Charles H., Boston, Mass. Table or stand for telephones, &c. No. 1,266,905; May 21; v. 250; p. 621.
Bartlett Edge Tool Company. (See Kitchen, Samuel M., assignor.)
Bartlett, Edwin E., Boston, Mass. Slip-sheeting apparatus. No. 1,283,042; Oct. 29; v. 255; p. 927.
Bartlett, Emery G., Boston, assignor of one-half to P. Daudelin, East Somerville, Mass. Locomotive-tender coal-pit. No. 1,267,170; May 21; v. 250; p. 698.
Bartlett, John F., Duluth, Minn. Thread tension and controlling device. No. 1,262,002; Apr. 9; v. 249; p. 316.
Bartlett, John H., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Shoe-holder for trunks. No. 1,262,911; Apr. 16; v. 249; p. 599.
Bartlett, Omar, Culdesac, Idaho. Wheel-moistening attachment. No. 1,281,896; Oct. 15; v. 255; p. 545.
Bartlett, Percy H., Philadelphia, Pa. Meter and instrument support. No. 1,269,996; June 18; v. 251; p. 586.
Bartlett, Walter E., Lowell, and J. H. Taryne, Groton, Mass. Envelop-sealing device. No. 1,275,832; Aug. 13; v. 253; p. 442.
Bartley, Henry L., Philadelphia, Pa. Fire-escape. No. 1,265,165; May 7; v. 250; p. 81.
Bartley, Joseph S., Denver, Colo. Rock-crusher. No. 1,254,192; Jan. 22; v. 246; p. 880.
Barton, Burten L., Wendell, Idaho. Cultivator. No. 1,258,085; Mar. 5; v. 248; p. 40.
Barton, Clarence H., Indianapolis, Ind., assignor to International Harvester Company of New Jersey. Ball-rolling machine. No. 1,264,139; Apr. 30; v. 249; p. 992.
Barton, Elbert W., Binghamton, N. Y. Turbine. No. 1,263,511; Apr. 23; v. 249; p. 790.
Barton, Elbert W., Binghamton, N. Y. Mechanical toy. No. 1,286,915; Dec. 10; v. 257; p. 213.
Barton, Harry O., Bloomfield, Iowa. Safety device for the starting-cranks of motor-vehicles. No. 1,267,497; May 28; v. 250; p. 812.
Barton, Henry L., assignor of one-third to J. B. Green and one-third to G. M. McRoberts, Gary, Ind. Grading-machine. No. 1,268,314; June 4; v. 251; p. 70.
Barton, Louis E., Malta, Ill. Snow-plow. No. 1,269,367; June 11; v. 251; p. 383.
Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Composite titanic-oxid product and producing the same. No. 1,288,473; Dec. 24; v. 257; p. 656.
Barton, Louis E., Niagara Falls, N. Y., and H. A. Gardner, Washington, D. C., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Printers' inks and coloring-matters and procedure whereby the same are producible. No. 1,283,455; Nov. 5; v. 256; p. 5.
Barton, Louis E., Niagara Falls, N. Y., and H. A. Gardner, Washington, D. C., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Lake pigment and the manufacture thereof. No. 1,286,916; Dec. 10; v. 257; p. 213.
Barton, Samuel, Brooklyn, N. Y. Ice-cycle. No. 1,261,203; Apr. 2; v. 249; p. 59.
Barton, Samuel, Brooklyn, N. Y. Ice-cycle. No. 1,261,204; Apr. 2; v. 249; p. 59.
Barton, William P., Salt Lake City, Utah. Steering-wheel heater. No. 1,269,776; June 18; v. 251; p. 528.
Bartow, Harry E. (See Sandmann, Fred A., assignor.)
Baruch Electric Controller Corporation. (See Baruch, Sydney N., assignor.)
Baruch, Sydney N., San Francisco, Cal. Electric-cable-protecting apparatus. No. 1,270,362; June 25; v. 251; p. 711.
Baruch, Sydney N., assignor to Baruch Electric Controller Corporation, San Francisco, Cal. Alternating-current solenoid. No. 1,259,202; Mar. 12; v. 248; p. 402.
Baruch, Sydney N., assignor to Baruch Electric Controller Corporation, Oakland, Cal. Electric-circuit protector. No. 1,281,482; Oct. 15; v. 255; p. 435.
Baruls, Harry G. (See McClure, Roderick, assignor.)
Barva, Bernard R., and F. T. Wichman, Fort Wayne, Ind. Manufacturing rubber balls. No. 1,265,419; May 7; v. 250; p. 150.
Barz, Frederick H., Ventura, Iowa. Hay-distributer. No. 1,259,071; Mar. 12; v. 248; p. 365.
Barzee, Charlie W., Portland, Oreg. Rotary Pump. No. 1,259,460; Mar. 12; v. 248; p. 474.
Basch, David, New York, N. Y. Ear and neck protector. No. 1,274,842; Aug. 6; v. 253; p. 143.
Basch, David, assignor to I. B. Kleinert Rubber Co., New York, N. Y. Child's garment-supporter. No. 1,262,620; Apr. 16; v. 249; p. 517.
Basch, David, assignor to I. B. Kleinert Rubber Co., New York, N. Y. Folding carrying-case. No. 1,266,091; May 14; v. 250; p. 366.

Basch, Evan B., Savannah, Ga. Phonographic dictating-machine. No. 1,278,565; Sept. 10; v. 254; p. 358.
Bascom, Eric W., Alstead, N. H. Stanchion. No. 1,284,560; Nov. 12; v. 256; p. 320.
Bascom, Helen W., Pasadena, Cal. Knife-cleaner. No. 1,252,316; Jan. 1; v. 246; p. 252.
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Means for preventing disturbances in substation telephone sets. No. 1,262,912; Apr. 16; v. 249; p. 600.
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. System for compensating for differences of potentials. No. 1,287,831; Dec. 17; v. 257; p. 473.
Basel, Eli A., Kansas City, Mo. Water-circulator. No. 1,270,101; June 18; v. 251; p. 614.
Baseman, Ernest, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Corporation. Manure-spreader. No. 1,278,091; Sept. 10; v. 254; p. 232.
Basford, Harold R., San Francisco, Cal. Folding camp-table. No. 1,272,187; July 9; v. 252; p. 436.
Bash, John C., Beaver Falls, Pa. Combined coal and gas range. No. 1,284,044; Nov. 5; v. 256; p. 159.
Basham, Adam J. (See Morrow and Basham.)
Bashore, George K. (See Bashore, Samuel R., assignor.)
Bashore, Samuel R., Port Royal, Pa., assignor of one-fourth to G. K. Bashore, Baltimore, Md. Liquid measuring and dispensing apparatus. No. 1,262,595; Apr. 9; v. 249; p. 482.
Basil, Joseph, and E. Stocchi, Detroit, Mich. Automobile-signal. No. 1,264,596; Apr. 30; v. 249; p. 1121.
Basile, Joseph, New York, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. Folding bed. No. 1,259,825; Mar. 19; v. 248; p. 610.
Basile, Joseph, assignor to Greenpoint Metallic Bed Company, New York, N. Y. Folding bed. No. 1,278,568; Sept. 10; v. 254; p. 359.
Basinger, Perry. (See Wilson, Samuel J., assignor.)
Baskerville, Charles. (See Wales and Baskerville.)
Baskerville, Dean E., assignor to Dodge Brothers, Detroit, Mich. Sheet-metal pillar-cover. No. 1,288,371; Dec. 17; v. 257; p. 604.
Baskerville, John W., Bayonne, N. J. Railway-car. No. 1,266,387; May 14; v. 250; p. 446.
Basler, George, Worcester, Mass. Shoe. No. 1,283,456; Nov. 5; v. 256; p. 5.
Basley, Charley. (See Morris, Charles E., assignor.)
Basley, Harvey V., Jersey City, N. J. Holder for ironing boards and the like. No. 1,276,611; Aug. 20; v. 253; p. 691.
Basquin, Olin H., Evanston, Ill., assignor to Haskelite Manufacturing Corporation. Column. No. 1,287,613; Dec. 17; v. 257; p. 417.
Bass, Curtis M. (See Giddens and Bass.)
Bass, Ernest C., New York, N. Y. Focal-plane shutter. No. 1,287,183; Dec. 10; v. 257; p. 281.
Basse Bros. (See Bridgman, Jesse E., assignor.)
Basseches, Joseph L., Washington, D. C. Printer's-roller composition. No. 1,284,172; Nov. 5; v. 256; p. 194.
Basset, Lucien P., Paris France. Manufacture of sodium sulfate. No. 1,279,499; Sept. 24; v. 254; p. 664.
Bassett, Alfred J., Bronxville, N. Y. Sewer-cleaner. No. 1,263,733; Apr. 23; v. 249; p. 848.
Bassett, Anna R. W. (See Bassett, Fenwick H. and A. R. W.)
Bassett, Fenwick H. and A. R. W., Norwood, Pa. Supporting-bracket for window shades and curtains. No. 1,282,728; Oct. 29; v. 255; p. 839.
Bassett, George B. (See Chellew, Walter J., assignor.)
Bassett, George B. (See Ryder, Earl R., assignor.)
Bassett Jewelry Co. (See Bates, Clifford V., assignor.)
Bassett, Linton T., Carthage, Mo. Internal-combustion engine. No. 1,271,833; July 9; v. 252; p. 334.
Bassett, Merritt G., Grand Rapids, Mich. Transmission-gearing. No. 1,281,120; Oct. 8; v. 255; p. 302.
Bassett, Richard W. C. (See Keall, Harrington, and Bassett.)
Bassett, William J. (See McMillen and Bassett.)
Bassick Company, The. (See Barnard, Charles S., assignor.)
Bassick Co., The. (See Burns, Wilbur F., assignor.)
Bassick Co., The. (See Cummins, Norman W., assignor.)
Bassick Co., The. (See Johnson, John A., assignor.)
Bassisty, Michael S., Philadelphia, Pa. Pocket implement. No. 1,275,364; Aug. 13; v. 253; p. 313.
Bastian, Arthur J. (See Wilson, Kempton, and Bastian.)
Bastian, August H., Hillsdale, Oreg. Motion-translating mechanism. No. 1,254,112; Jan. 22; v. 246; p. 857.
Bastian, August H., Hillsdale, Oreg. Portable sawing-machine. No. 1,280,369; Oct. 1; v. 255; p. 71.
Bastian, August H., Hillsdale, Oreg. Tool for setting teeth of crosscut-saws. No. 1,285,592; Nov. 26; v. 256; p. 660.
Bastian Brothers Co. (See Marzahl, Catherine, assignor.)
Bastian-Morley Co. (See Morley and Kite.)
Bastman, George F., Kansas City, Mo. Scooter-car. No. 1,289,361; Dec. 31; v. 257; p. 899.
Bastow, Harry, Crafton, Pa. Manufacture of vacuum vessels. No. 1,256,427; Feb. 12; v. 247; p. 426.
Batchelder, Asa F., Schenectady, N. Y., assignor to General Electric Company. Locomotive or car truck. No. 1,277,360; Sept. 3; v. 254; p. 7.
Batchelder, Frank R., Worcester, Mass., assignor to Universal Patents Company. Woven carrier. No. 1,268,787; June 4; v. 251; p. 203.
Batchelder, Frank R., Worcester, Mass. Building pattern or control chains. No. 1,289,607; Dec. 31; v. 257; p. 960.
Batchelder, John E., Jackson, Cal. Automatic dirigible headlight for motor-vehicles. No. 1,270,363; June 25; v. 251; p. 711.
Batchell, George W., Cincinnati, Ohio, and R. C. Schwenck, Huntington, W. Va. Headlight for automobiles. No. 1,271,265; July 2; v. 252; p. 145.
Batchelor, Jamie H., assignor to C. Espy, Savannah, Ga. Mixing-valve for carbureters. No. 1,262,298; Apr. 9; v. 249; p. 397.
Batcher, John H. (See Cobb, Edward S., assignor.)
Bate, Ira D., West Jefferson, Ohio. Farm-gate. No. 1,265,288; May 7; v. 250; p. 114.
Bateman Manufacturing Company. (See Willis, Leland, assignor.)
Bateman Manufacturing Company. (See Willis and Woodworth, assignors.)
Bateman, Paul, Webster Groves, assignor to American Car and Foundry Company, St. Louis, Mo. Car-roof with interlocking frame. No. 1,276,313; Aug. 20; v. 253; p. 606.
Bateman, William G., Scranton, Pa. Illuminating oil-can. No. 1,285,553; Nov. 19; v. 256; p. 610.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Machine for filling barrels, bags, and packages. No. 1,269,777; June 18; v. 251; p. 528.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Bag-tying machine. No. 1,272,603; July 16; v. 252; p. 579.
Bates, Adelmar M., assignor to Bates Valve Bag Company, Chicago, Ill. Bag-tying machine. No. 1,281,121; Oct. 8; v. 255; p. 303.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Wire-tie-twisting tool. No. 1,284,986; Nov. 19; v. 256; p. 467.
Bates, Albert H. (See Martens, John B., assignor.)
Bates, Albert J., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., Wilmington, Del. Pole-climber. No. 1,260,856; Mar. 26; v. 248; p. 942.
Bates, Albert J., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., Wilmington, Del. Expanding-machine. No. 1,260,857; Mar. 26; v. 248; p. 942.
Bates, Albert J., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., Wilmington, Del. Heating-furnace. No. 1,268,080; June 4; v. 251; p. 3.
Bates, Albert J., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., Wilmington, Del. Shearing metals. No. 1,272,890; July 16; v. 252; p. 662.
Bates, Albert J., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., Wilmington, Del. Rotary shears. No. 1,272,891; July 16; v. 252; p. 662.
Bates, Albert J., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., Wilmington, Del. Shearing-machine. No. 1,286,203; Dec. 3; v. 257; p. 5.
Bates, Charles A., Vernon Hill, Va. Torpedo-fender. No. 1,259,341; Mar. 12; v. 248; p. 441.
Bates, Charles E., Chester, Pa. Armor for pneumatic tires. No. 1,270,482; June 25; v. 251; p. 745.
Bates, Chauncey A., White Plains, N. Y. Sash-balance. No. 1,255,691; Feb. 5; v. 247; p. 167.
Bates, Clarence A., assignor to The Bryant Electric Company, Bridgeport, Conn. Bridging device for fuse-receptacles. No. 1,252,219; Jan. 1; v. 246; p. 225.
Bates, Clarence A., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,255,126; Feb. 5; v. 247; p. 4.
Bates, Clifford V., Chicago, Ill., assignor to Bassett Jewelry Co., Providence, R. I. Cuff-button. No. 1,267,357; May 28; v. 250; p. 774.
Bates, Clifford V., Chicago, Ill. Pilot-lamp mechanism for automobiles. No. 1,280,945; Oct. 8; v. 255; p. 255.
Bates Expanded Steel Truss Co. (See Bates, Albert J., assignor.)
Bates, Fred P., Filer, Idaho. Address-printing machine. No. 1,253,771; Jan. 15; v. 246; p. 740.
Bates, George E., Syracuse, N. Y. Liquid-dispensing device. No. 1,283,457; Nov. 5; v. 256; p. 5.
Bates, Harlen C., Graniteville, Mo. Cattle-guard. No. 1,253,459; Jan. 15; v. 246; p. 652.
Bates, Joseph W., Minneapolis, Minn. Coin-controlled mechanism for turnstiles. No. 1,271,651; July 9; v. 252; p. 285.
Bates, Lewis E., and V. V. Hanks, Houston, Tex. Electric fire and burglar alarm. No. 1,255,277; Feb. 5; v. 247; p. 46.
Bates, Lindell T., New York, N. Y. Apparatus for indicating the course of ships or vessels. No. 1,261,682; Apr. 2; v. 249; p. 196.
Bates, Milner H., South Chicago, Ill. Bottle-holder. No. 1,264,754; Apr. 30; v. 249; p. 1163.
Bates, Russell A., assignor to L. D. Taylor, Grand Rapids, Mich. Vehicle-wheel. No. 1,262,162; Apr. 9; v. 249; p. 362.

Bates, Samuel T., and T. C. Allison, Hohenwald, Tenn. Bomb. No. 1,279,224; Sept. 17; v. 254; p. 565.
Bates, Thomas. (See Fulton, John S. S., assignor.)
Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)
Bates Valve Bag Company. (See Beam, Frank E., assignor.)
Bates, Waldo L., Boston, Mass. Baker's oven. No. 1,263,998; Apr. 23; v. 249; p. 922.
Bates, William E., Denver, Colo. Plastic composition and making same. No. 1,260,625; Mar. 26; v. 248; p. 877.
Bateson, Pierre L., Brooklyn, assignor to The American Ingenuities Corporation, New York, N. Y. Producing edible containers. No. 1,274,349; July 30; v. 252; p. 1121.
Bathurst, Charles, *et al.*, administrators. (See Thomas and Davies.)
Bätjer, Henry B. (See Maimin and Bätjer.)
Bätjer, Henry B., New York, N. Y., assignor to H. Maimin Co., Inc. Knife-sharpener. No. 1,275,833; Aug. 13; v. 253; p. 442.
Bätjer, Henry B. (See Maimin and Bätjer.)
Batley, Robert O., Kansas City, Mo. Window-platform. No. 1,259,342; Mar. 12; v. 248; p. 441.
Batlouney, Shoukry S., Portland, Me. Direction-signal for vehicles. No. 1,276,711; Aug. 27; v. 253; p. 755.
Batsner, Arthur M., Cincinnati, Ohio, assignor to Lalley Electric Shifter Co., Detroit, Mich. Clutch control and gear-shifting device. No. 1,282,366; Oct. 22; v. 255; p. 713.
Battaglino, Joseph, El Paso, Tex. Automatic stop and adviser for locomotives. No. 1,284,987; Nov. 19; v. 256; p. 467.
Battelle, George I., San Francisco, Cal. Carbureter. No. 1,283,043; Oct. 29; v. 255; p. 927.
Battey, Paul L., Glencoe, Ill. Power generation. No. 1,253,203; Jan. 15; v. 246; p. 574.
Battey, Richard, Nanaimo, British Columbia, Canada. Toy submarine boat. No. 1,287,832; Dec. 17; v. 257; p. 474.
Battin, Grover C., Alma, Nebr. Canner. No. 1,289,608; Dec. 31; v. 257; p. 960.
Battin, Robert G., Kansas City, Mo. Air compressor or motor. No. 1,255,278; Feb. 5; v. 247; p. 46.
Batting, Harold L. (See Gross and Batting.)
Battista, John N., New York, N. Y. Shoe. No. 1,286,499; Dec. 3; v. 257; p. 79.
Batton, Seaborn M. (See Langhorne, Jacob V., assignor.)
Bauch, William, Blue Island, Ill. Game-board. No. 1,252,534; Jan. 8; v. 246; p. 350.
Bauchet, Henry, Sens, France. Motor plow or tiller. No. 1,282,025; Oct. 22; v. 255; p. 619.
Bauder, Will H., *et al.* (See King, Joseph, assignor.)
Baudot, Joseph, Tourcoing, France. Rotary explosion-motor. No. 1,256,647; Feb. 19; v. 247; p. 524.
Baudry, Paul L., Paris, France. Bottling mineral waters. No. 1,252,535; Jan. 8; v. 246; p. 350.
Bauer & Black. (See Doran, Charles A., assignor.)
Bauer & Black. (See Shaw, Herbert C., assignor.)
Bauer, Carl E., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake-beam-balancing mechanism. No. 1,286,500; Dec. 3; v. 257; p. 79.
Bauer, Carl H., Corning, Iowa. Wrench. No. 1,282,523; Oct. 22; v. 255; p. 755.
Bauer, Charles G., assignor to Triangle Conduit Company, Inc., Brooklyn, N. Y. Conduit-knitting machine. No. 1,260,954; Mar. 26; v. 248; p. 967.
Bauer, Ernst, assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. System of electrical distribution. No. 1,289,362; Dec. 31; v. 257; p. 899.
Bauer, Eugen. (See Kazenmaier and Bauer.)
Bauer, Frederick H., Fort Worth, Tex. Resilient wheel. No. 1,287,184; Dec. 10; v. 257; p. 282.
Bauer, Frederick H., Fort Worth, Tex. Resilient wheel. No. 1,287,185; Dec. 10; v. 257; p. 282.
Bauer, Gus, *et al.* (See Myers, Charles E., assignor.)
Bauer, Irwin O., Cincinnati, Ohio. Upholstery-binding. No. 1,263,734; Apr. 23; v. 249; p. 848.
Bauer, John, Omega, Ohio. Fodder-tie. No. 1,278,092; Sept. 10; v. 254; p. 233.
Bauer, John G., Warsaw, N. Y. Forming boxes. No. 1,277,176; Aug. 27; v. 253; p. 879.
Bauer, Joseph. (See Kugler and Bauer.)
Bauer, Perry S., Chicago, Ill. Fumigator. No. 1,265,166; May 7; v. 250; p. 81.
Bauer, Theodor von, Tautenburg, in Thuringia, Germany, assignor to B. Zwillinger, New York, N. Y. Coke-oven. No. 1,253,445; Jan. 15; v. 246; p. 648.
Bauer, Wilhelm, and A. Herre, Opladen, near Cologne, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Yellowish-brown vat dyes. No. 1,266,092; May 14; v. 250; p. 367.
Bauer, William, New York, N. Y. Shovel. No. 1,281,483; Oct. 15; v. 255; p. 435.
Bauer, William C., Evanston, Ill. Electric battery. No. 1,289,609; Dec. 31; v. 257; p. 960.
Bauer, William E., Trinidad, Colo. Lap ring or link. No. 1,286,501; Dec. 3; v. 257; p. 79.
Bauer, William J., New York, N. Y. Baking utensil. No. 1,278,422; Sept. 10; v. 254; p. 320.

Baughman, George H., Chicago, Ill. Manifolding sales-book. No. 1,284,561; Nov. 12; v. 256; p. 320.
Baughman, George H., Chicago, Ill. Manifolding sales-book. No. 1,289,085. Dec. 31; v. 257; p. 830.
Baughman, William H., Bay City, Mich. Receptacle. No. 1,272,762; July 16; v. 252; p. 625.
Baughn, Samuel C., assignor of one-half to J. M. Jones, Canalou, Mo. Nut-lock. No. 1,272,763; July 16; v. 252; p. 625.
Baukat, John G., Toronto, Ontario, Canada. Contour-indicating device. No. 1,255,127; Feb. 5; v. 247; p. 5.
Baum, Benjamin J., and C. W. Odermatt, San Francisco, Cal. Nested-paper-cup separator. No. 1,271,834; July 9; v. 252; p. 334.
Baum, Calman, Sweetsers, Ind. Building-block. No. 1,277,829; Sept. 3; v. 254; p. 138.
Baum, Frank G., Piedmont, Cal. Portable loader and elevator. No. 1,273,312; July 23; v. 252; p. 799.
Baum, Shular, assignor to The Century Cabinet Company, Utica, N. Y. Talking-machine. No. 1,284,988; Nov. 19; v. 256; p. 468.
Bauman, Ferdinand P., Küsnacht, Switzerland. Dry battery. No. 1,267,620; May 28; v. 250; p. 848.
Bauman, Frank J., assignor of one-third to H. M. Lau and one-third to D. M. White, Detroit, Mich. Auxiliary propeller control for airplanes. No. 1,287,614; Dec. 17; v. 257; p. 417.
Bauman, Walter P., Elloam, Mont. Baby-carriage. No. 1,277,361; Sept. 3; v. 254; p. 7.
Baumann, Carl J., Niles, Mich. Tooth-brush and tumbler rack. No. 1,289,086; Dec. 31; v. 257; p. 830.
Baumann, Emil, assignor to Aktiengesellschaft Chocolat Tobler, Berne, Switzerland. Wrapping-machine for round tablets. No. 1,259,475; Mar. 19; v. 248; p. 511.
Baumann, Gottfried, assignor to Hans Renold Limited, Manchester, England. Driving-chain. No. 1,269,997; June 18; v. 251; p. 587.
Baumann, Karl, Urmston, assignor to The British Westinghouse Electric & Manufacturing Company, Limited, London, England. Feed-water heater. No. 1,276,860; Aug. 27; v. 253; p. 793.
Baumann, Karl, Urmston, England, assignor to The British Westinghouse Electric and Manufacturing Company, Limited. Support for condensers. No. 1,277,830; Sept. 3; v. 254; p. 138.
Baumann, Karl, Urmston, England, assignor, by mesne assignments, to The Westinghouse Electric & Manufacturing Company. Steam-turbine. No. 1,269,998; June 18; v. 251; p. 587.
Baumann, Karl, Urmston, England, assignor to The British Westinghouse Electric and Manufacturing Company Limited. Steam-turbine. No. 1,286,204; Dec. 3; v. 257; p. 5.
Baumann, Robert, and C. P. Butz, St. Louis, Mo. Round-cornering machine for bookbinding. No. 1,285,593; Nov. 26; v. 256; p. 660.
Baumann, William J., Rapid City, S. D. Hot-water bottle. No. 1,256,428; Feb. 12; v. 247; p. 426.
Baumberger, Walter E., Sacramento, Cal. Armored pneumatic tire. No. 1,277,831; Sept. 3; v. 254; p. 138.
Baumeister, John J., and J. M. Munning, Michigan City, Ind. Music-leaf turner. No. 1,264,480; Apr. 30; v. 249; p. 1089.
Baumgardner, Frank J., assignor of one-fourth to F. L. Phipps and one-fourth to C. R. Gibson, Cleveland, Ohio. Printing-ink and making same. No. 1,259,713; Mar. 19; v. 248; p. 578.
Baumgardner, Frank J., assignor of four-tenths to W. Hoyt and one-tenth to A. J. Hudson, Cleveland, Ohio. Color. No. 1,276,861; Aug. 27; v. 253; p. 794.
Baumgartel, Henry D., Chicago, Ill. Liquid coating composition and making same. No. 1,257,783; Feb. 26; v. 247; p. 893.
Baumgarten, Gustav A., Schulenburg, Tex. Cotton-seed flour and making the same. No. 1,276,477; Aug. 20; v. 253; p. 653.
Baumgartner, Charles B., Manchester, Iowa. Gate. No. 1,273,132; July 23; v. 252; p. 753.
Baumgartner, Joseph P., Philadelphia, Pa. Garter attachment. No. 1,278,292; Sept. 10; v. 254; p. 287.
Baumohl, Samuel. (See Budin, David B., assignor.)
Baur, Hugo J., Chicago, assignor, by mesne assignments, to W. P. Butler, Berwyn, Ill. Fare-register. No. 1,268,669; June 4; v. 251; p. 170.
Baur, Phillip J., Philadelphia, Pa. Confectionery machinery. No. 1,272,892; July 16; v. 252; p. 663.
Baurens, Jean M., Jr., Port Arthur, Tex. Valve-operating mechanism. No. 1,278,423; Sept. 10; v. 254; p. 320.
Bausch, Edward, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Telescope. No. 1,270,771; July 2; v. 252; p. 5.
Bausch, John J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Making eyepiece-caps. No. 1,254,646; Jan. 29; v. 246; p. 1038.
Bausch, John J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reinforced eyepiece cap and similar article. No. 1,270,772; July 2; v. 252; p. 5.
Bausch & Lomb Optical Co. (See Patterson and Kellner, assignors.)
Bausch & Lomb Optical Company. (See Bausch, Edward, assignor.)

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Bausch & Lomb Optical Company. (See Bausch, John J., assignor.)
Bausch & Lomb Optical Company. (See Bausch and Haering, assignors.)
Bausch & Lomb Optical Company. (See Flad, Gottlieb H., assignor.)
Bausch & Lomb Optical Company. (See Ives, Herbert E., assignor.)
Bausch & Lomb Optical Company. (See Kandler, Edmund, assignor.)
Bausch & Lomb Optical Company. (See Kandler and Sachse, assignors.)
Bausch & Lomb Optical Company. (See Kellner, Gustav A. H., assignor.)
Bausch & Lomb Optical Company. (See Paterson, William L., assignor.)
Bausch & Lomb Optical Company. (See Saegmuller and Kellner, assignors.)
Bausch & Lomb Optical Company. (See Simpson, Leon G., assignor.)
Bausch, William, Rochester, N. Y. Photographic-film-feeding device. No. 1,258,387; Mar. 5; v. 248; p. 127.
Bausch, William, Rochester, and C. G. Haering, Brighton, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Reflector and making same. No. 1,285,901; Nov. 26; v. 256; p. 738.
Bauser, Adolph, New York, assignor to Bauser Fleshing and Fur Dressing Machine Company, Brooklyn, N. Y. Fleshing and fur-dressing machine. No. 1,278,093; Sept. 10; v. 254; p. 233.
Bauser Fleshing and Fur Dressing Machine Company. (See Bauser, Adolph, assignor.)
Baush Machine Tool Company. (See Calkins, Charles H., assignor.)
Baush Machine Tool Company. (See Cannell, William, assignor.)
Baush Machine Tool Company. (See Eden, James A., Jr., assignor.)
Bausman, Alonzo L., Chicopee, assignor to National Equipment Company, Springfield, Mass. Feeding apparatus for coating machines and the like. No. 1,263,638; Apr. 23; v. 249; p. 823.
Bausman, Alonzo L., Chicopee, assignor to National Equipment Company, Springfield, Mass. Feeding mechanism for depositors. No. 1,273,988; July 30; v. 252; p. 1022.
Bausman, Alonzo L., Chicopee, assignor to National Equipment Company, Springfield, Mass. Plaque-cleaning machine. No. 1,275,365; Aug. 13; v. 253; p. 313.
Bausman, Alonzo L., Chicopee, assignor to National Equipment Company, Springfield, Mass. Packing-table. No. 1,276,007; Aug. 20; v. 253; p. 522.
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Apparatus for making confections. No. 1,276,006; Aug. 20; v. 253; p. 522.
Bausman, Karl H., Dayton, Ohio. Means for locating faults on alternating-current circuits. No. 1,255,853; Feb. 12; v. 247; p. 254.
Baverey, François, Oullins, assignor to Societe du Carburateur Zenith, Lyon, France. Carbureter. No. 1,251,623; Jan. 1; v. 246; p. 54.
Baverey, François, Ouillins, assignor to Societe du Carburateur Zenith, Lyon, France. Carbureter. No. 1,259,072; Mar. 12; v. 248; p. 365.
Baverey, François, assignor to Societe du Carburateur Zenith, Lyon, France. Carbureter for explosive-motors. No. 1,265,588; May 7; v. 250; p. 194.
Bawden, Fred M., Toronto, Ontario, Canada. Turret. No. 1,272,188; July 9; v. 252; p. 436.
Bawtinheimer, Harvey E., Red Deer, Alberta, Canada. Headlight-switch for automobiles. No. 1,272,893; July 16; v. 252; p. 663.
Bawtree, Alfred E. (See Hadfield and Bawtree.)
Bawtree, Alfred E., Sutton, assignor of one-fifth to S. E. Page, London, England. Photographic type-composing machine. No. 1,283,394; Oct. 29; v. 255; p. 1020.
Baxter, Avery B., Frederick, Okla. Playing-cards. No. 1,261,473; Apr. 2; v. 249; p. 135.
Baxter, Edward B., St. Louis, Mo. Caster. No. 1,284,215; Nov. 12; v. 256; p. 233.
Baxter, Ernest W., Van Wert, Ohio. Tractor-wheel. No. 1,285,594; Nov. 26; v. 256; p. 660.
Baxter, Harold G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Inclosed fuse. No. 1,279,968; Sept. 24; v. 254; p. 799.
Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Snap-hook. No. 1,256,101; Feb. 12; v. 247; p. 327.
Baxter, John B., assignor to Covert Manufacturing Co., Watervliet, N. Y. Snap-hook. No. 1,276,008; Aug. 20; v. 253; p. 522.
Baxter, John B., assignor to Covert Manufacturing Co., Watervliet, N. Y. Snap-hook. No. 1,276,009; Aug. 20; v. 253; p. 523.
Baxter, John B., assignor to Covert Manufacturing Co., Watervliet, N. Y. Snap-hook. No. 1,276,010; Aug. 20; v. 253; p. 523.
Baxter, John B., assignor to Covert Manufacturing Co., Troy, N. Y. Thimble. No. 1,276,011; Aug. 20; v. 253; p. 523.
Baxter, John B., assignor to Covert Manufacturing Co., Troy, N. Y. Snap-hook. No. 1,276,012; Aug. 20; v. 253; p. 523.
Baxter, Oscar L., assignor to The Solar Metal Products Company, Columbus, Ohio. Door and window structure. No. 1,266,546; May 21; v. 250; p. 520.
Baxter, Oscar L., assignor to The Solar Metal Products Company, Columbus, Ohio. Door or window casing. No. 1,266,547; May 21; v. 250; p. 520.
Baxter, Oscar L., assignor to Solar Metal Products Company, Columbus, Ohio. Door or window construction. No. 1,278,827; Sept. 17; v. 254; p. 460.
Baxter, Oscar L., assignor to The Solar Metal Products Company, Columbus, Ohio. Metal frame construction. No. 1,287,615; Dec. 17; v. 257; p. 418.
Baxter, William C., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-leveling machine. No. 1,263,361; Apr. 23; v. 249; p. 746.
Baxter, William G. (See Goold and Baxter.)
Bay City, Mich., Dredge Works. (See Billington and Burnett, assignors.)
Bay State Metal Wheel Company. (See Siebert and Hadley, assignors.)
Bayard, Theophile, Chicago, Ill. Convertible bench. No. 1,268,540; June 4; v. 251; p. 133.
Bayer, Charles H., Great Neck, N. Y. Apparatus for containing and consuming fuel. No. 1,277,362; Sept. 3; v. 254; p. 7.
Bayer, Harry, assignor to Koth-Bayer, Poughkeepsie, N. Y. Bushing for piano tuning-pins. No. 1,264,140; Apr. 30; v. 249; p. 992.
Bayer, Herman K., and H. J. Epstein, St. Louis, Mo. Adjustable cutting-tool. No. 1,284,989; Nov. 19; v. 256; p. 468.
Baylay, Frank, Newton, British Columbia, Canada, assignor of one-third to A. T. Downing, Boston, Mass. Stock-indicator. No. 1,269,151; June 11; v. 251; p. 325.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-operated percussive tool. No. 1,258,855; Mar. 12; v. 248; p. 303.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-operated percussive tool. No. 1,268,081; June 4; v. 251; p. 3.
Bayley, Richard W., Riverside, Ill. Wheelbarrow. No. 1,255,128; Feb. 5; v. 247; p. 5.
Bayley, William, Springfield, Ohio. Apparatus for laying street and road paving material. No. 1,258,299; Mar. 5; v. 248; p. 101.
Bayley, William, Springfield, Ohio. Window-sash. No. 1,258,300; Mar. 5; v. 248; p. 102.
Bayley, William, Springfield, Ohio. Balanced window-sash. No. 1,258,388; Mar. 5; v. 248; p. 127.
Bayley, William, Springfield, Ohio. Window-screen for swinging sashes. No. 1,273,133; July 23; v. 252; p. 753.
Bayliff, George J., Augusta, Ark. Band-saw machine. No. 1,260,128; Mar. 19; v. 248; p. 697.
Baynard, William H., Braintree, Mass. Shoe and making the same. No. 1,274,665; Aug. 6; v. 253; p. 93.
Bayne, George G. (See James, Perry C., assignor.)
Bayne, George G., Bushnell, Ill. Pulley attachment for automobiles. No. 1,262,003; Apr. 9; v. 249; p. 317.
Baynes, Bernard C., Excelsior Springs, Mo. Price-ticket holder. No. 1,279,225; Sept. 17; v. 254; p. 565.
Baynes, Bernard C., Excelsior Springs, Mo. Drawer-pull and ticket-holder. No. 1,289,363; Dec. 31; v. 257; p. 899.
Baynes, James B., Cincinnati, Ohio. Internal-combustion engine. No. 1,257,447; Feb. 26; v. 247; p. 793.
Bayonne Steel Casting Company. (See Cook, Erben, assignor.)
Bayrer, William J., Hartford, Conn. Belt-gearing. No. 1,259,343; Mar. 12; v. 248; p. 441.
Bayton, Arthur, Manila, Philippine Islands. Gold-saving device. No. 1,268,670; June 4; v. 251; p. 170.
Bazaine, Léon, assignor to Société Anonyme Des Etablissements Nieuport, Issy-les-Moulineaux, France. Construction of hulls for hydroplanes. No. 1,265,035; May 7; v. 250; p. 46.
Bazant, John. (See Stowers and Bazant.)
Bazata, Joseph F. (See Jagemann and Bazata.)
Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,278,828; Sept. 17; v. 254; p. 460.
Bazet, Louis. (See Chodzko, Adam E., assignor.)
Bazzill, James R., Columbia, S. C. Locomotive fire-door. No. 1,278,293; Sept. 10; v. 254; p. 287.
Bazzoni, Lewis J., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Buttoning-machine. No. 1,273,442; July 23; v. 252; p. 835.
Bazzoni, Lewis J., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Buttoning-machine. No. 1,273,443; July 23; v. 252; p. 835.
Bazzoni, Lewis J., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Buffing-machine. No. 1,274,366; Aug. 6; v. 253; p. 4.
Bazzoni, Lewis J., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Inking-machine. No. 1,285,902; Nov. 26; v. 256; p. 738.

Bazzoni, Lewis J., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Inking parts of uppers of boots and shoes. No. 1,285,903; Nov. 26; v. 256; p. 738.
Beach, Charles E. (See Newson and Beach.)
Beach, Charles P., Littleton, N. H. Rendering worn bushings usable. No. 1,276,013; Aug. 20; v. 253; p. 523.
Beach, Chester H., assignor to Wisconsin Electric Company, Racine, Wis. Sewing-machine motor. No. 1,252,317; Jan. 1; v. 246; p. 253.
Beach, Chester H., assignor to Wisconsin Electric Company, Racine, Wis. Antifriction-bearing. No. 1,255,378; Feb. 5; v. 247; p. 77.
Beach, Chester H., assignor to Wisconsin Electric Company, Racine, Wis. Supporting-clamp for sewing-machine motors. No. 1,272,189; July 9; v. 252; p. 436.
Beach, Clarence E., Binghamton, N. Y., assignor, by mesne assignments, to The Gamewell Fire Alarm Telegraph Company. Auxiliary alarm system. No. 1,253,335; Jan. 15; v. 246; p. 613.
Beach, Clarence E., Binghamton, N. Y., assignor, by mesne assignments, to The Gamewell Fire Alarm Telegraph Company, Newton Upper Falls, Mass. Signal system. No. 1,274,367; Aug. 6; v. 253; p. 5.
Beach, E. J., *et al.* (See Lambeth, Acey L., assignor.)
Beach, Edward S., Ridgefield, Conn., assignor to Multicolor Intaglio Press Company, Dover, Del. Lay-out and transfer machine. No. 1,264,882; May 7; v. 250; p. 3.
Beach, Edward S., Ridgefield, Conn., assignor to Multicolor Intaglio Press Company, Dover, Del. Machine for guide-marking a plurality of etchable surfaces. No. 1,265,988; May 14; v. 250; p. 338.
Beach, Edward T., Freeport, Pa. Talking spin-top. No. 1,285,595; Nov. 26; v. 256; p. 660.
Beach, George E., Glenrock, Wyo. Automatic alarm. No. 1,268,422; June 4; v. 251; p. 100.
Beach, George W. (See Von Culin and Beach.)
Beach, George W., Saybrook, Conn. Submarine. No. 1,277,028; Aug. 27; v. 253; p. 837.
Beach, George W., Saybrook, Conn., and C. Von Culin, New York, N. Y. Combined poultry feeder and drinking-fountain. No. 1,254,193; Jan. 22; v. 246; p. 880.
Beach, Howard L. (See Varney and Beach.)
Beach, John C., assignor to Lachman Wall Bed Company, San Francisco, Cal. Folding bed. No. 1,267,045; May 21; v. 250; p. 661.
Beach, Maude E. (See Beach, Ralph H., assignor.)
Beach, Ralph H., New York, N. Y. Grease-cup. No. 1,283,628; Nov. 5; v. 256; p. 50.
Beach, Ralph H., assignor to M. E. Beach, New York, N. Y. Self-propelled vehicle. No. 1,275,201; Aug. 6; v. 253; p. 268.
Beach, Sidney C., Jr., Huntington, W. Va. Gas-burner. No. 1,283,629; Nov. 5; v. 256; p. 50.
Beacham, Charles M., Milano, Tex. Blacksmith's tongs. No. 1,262,621; Apr. 16; v. 249; p. 517.
Beachy, Walter F., Chicago, Ill. Pneumatic gun. No. 1,262,004; Apr. 9; v. 249; p. 317.
Beacom, John W., Neville, Saskatchewan, Canada. Scoop. No. 1,289,087; Dec. 31; v. 257; p. 830.
Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
Beadle, Alexander C., Calumet, La. Wrench. No. 1,273,989; July 30; v. 252; p. 1022.
Beadle, Clayton, London, England. Treatment of certain plants for paper-making. No. 1,286,502; Dec. 3; v. 257; p. 79.
Beadle, George W., New Rochelle, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Lid-support. No. 1,280,637; Oct. 8; v. 255; p. 170.
Beadle, George W., New Rochelle, N. Y., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Correction device for dictation-machines. No. 1,285,904; Nov. 26; v. 256; p. 739.
Beaird, David M., Columbus, Ohio. Writing-desk. No. 1,267,046; May 21; v. 250; p. 661.
Beal, Will R. (See Jordan and Beal.)
Beale, James C., and J. Hayes, Kansas City, Kans. Vehicle-wheel. No. 1,266,654; May 21; v. 250; p. 552.
Beale, Newton S., Tama, Iowa. Non-skid device. No. 1,274,232; July 30; v. 252; p. 1091.
Beale, Samuel C., and A. B. Knight, Los Angeles, assignors to American Beet Harvester Company, Santa Ana, Cal. Beet-harvester. No. 1,272,604; July 16; v. 252; p. 579.
Bealin, John, New York, N. Y. Window-shade support. No. 1,264,755; Apr. 30; v. 249; p. 1163.
Beall, Benjamin L., Lexington, Ky. Type-writer ribbon. No. 1,263,019; Apr. 16; v. 249; p. 631.
Beall, Hiram A., Kansas City, Mo. Burglar-alarm for automobiles. No. 1,268,915; June 11; v. 251; p. 258.
Beall, John S. (See Jarmin, James B., assignor.)
Bealle, John S., Waldorf, Md. Safety rein-catch. No. 1,259,073; Mar. 12; v. 248; p. 366.
Bealle, John S., Waldorf, Md. Trap. No. 1,259,074; Mar. 12; v. 248; p. 366.
Beals, Edward C., San Mateo, Cal. Disappearing window. No. 1,282,367; Oct. 22; v. 255; p. 713.
Beals, Eugene M., Chicago, Ill., assignor, by mesne assignments, to W. R. Pierce, Detroit, Mich. Calculating device. No. 1,286,797; Dec. 3; v. 257; p. 146.
Beam, Frank E., Toledo, Ohio, assignor to Bates Valve Bag Company, Chicago, Ill. Wire-twisting tool. No. 1,284,990; Nov. 19; v. 256; p. 468.
Beaman, Lora E. (See Thompson, Alfred, assignor.)
Beamless Car Truck Self-Adjusting Brake Company. (See Hartill-Law, William, assignor.)
Bean, Edgar V., Danville, Ill., assignor of one-half to J. Peery, Guymon, Okla. Vending-machine. No. 1,272,894; July 16; v. 252; p. 663.
Bean, Louis A., Denver, Colo. Signaling device for motor-vehicles. No. 1,255,976; Feb. 12; v. 247; p. 291.
Bean, Thomas W., and T. J. Hennessy, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus and method of curing articles of rubber and fabric. No. 1,283,630; Nov. 5; v. 256; p. 51.
Beane, Earle S., Waldoboro, Me. Means for adjusting headlights. No. 1,259,476; Mar. 19; v. 248; p. 511.
Bear, John W., and J. F. Thomas, Clifton Forge, Va. Aluminum-soldering flux. No. 1,259,590; Mar. 19; v. 248; p. 543.
Beard, Clement E., Columbiana, Ohio. Vegetable-slicer. No. 1,259,477; Mar. 19; v. 248; p. 511.
Beard, Eli D., Soda Springs, Idaho. Tent. No. 1,253,123; Jan. 8; v. 246; p. 523.
Beard, Harry L., Quincy, Ill. Apparatus for use in the treatment of piles. No. 1,258,979; Mar. 12; v. 248; p. 338.
Beard, James, Pasadena, Cal. Gas-heater. No. 1,279,226; Sept. 17; v. 254; p. 566.
Beard, James C., Binghamton, N. Y., assignor to Lewis M. Weed Co. Inc. Legging. No. 1,270,364; June 25; v. 251; p. 711.
Beard, Lawrence O., Lancaster, Pa. Secondary clock. No. 1,285,905; Nov. 26; v. 256; p. 739.
Beard, Oscar C., Los Angeles, Cal., assignor of one-fourth to R. P. Beard, Union, W. Va. Internal-combustion engine. No. 1,270,245; June 18; v. 251; p. 652.
Beard, Percy M., Hardinsburg, Ky. Foldable extension-step for railway-cars. No. 1,253,569; Jan. 15; v. 246; p. 682.
Beard, Percy M., Hardinsburg, Ky. Flash-light. No. 1,287,186; Dec. 10; v. 257; p. 282.
Beard, Richard P. (See Beard, Oscar C., assignor.)
Beard, Robert N., Omaha, Nebr. Wall-paper-display rack. No. 1,276,161; Aug. 20; v. 253; p. 566.
Beard, Wesley D., Des Moines, Iowa. Multiplying-machine. No. 1,289,610; Dec. 31; v. 257; p. 960.
Beard, William G., assignor to H. C. Burnstine, New York, N. Y. Talking-machine. No. 1,264,883; May 7; v. 250; p. 3.
Bearden, Daniel B., Pekin, Ill. Roofing-bracket. No. 1,255,692; Feb. 5; v. 247; p. 167.
Beardmore, William. (See Pullinger, Thomas W., assignor.)
Beardslee, Frederick W., assignor to M. T. Beardslee, San Francisco, Cal. Separating and dewatering device. No. 1,262,738; Apr. 16; v. 249; p. 551.
Beardslee, Mary T. (See Beardslee, Frederick W., assignor.)
Beardsley, Asa F., Buckingham, Ill. Sawhorse. No. 1,261,007; Apr. 2; v. 249; p. 5.
Beardsley, Chester H., Arlington, Oreg. Vehicle-signal. No. 1,254,113; Jan. 22; v. 246; p. 857.
Beardsley, Edwin W. (See Muckey, Earle A., assignor.)
Beardsley, Edwin W., trustee. (See Eagelston, Frank W., assignor.)
Beardsley, Edwin W., trustee. (See Quill, Charles J., assignor.)
Beardsley, Edwin W., San Francisco and P. W. Ham, Oakland, Cal. Submarine cable. No. 1,259,344; Mar. 12; v. 248; p. 442.
Beardsley, Joseph P., Little Rock, Ark. Combined envelop and letter-sheet. No. 1,261,474; Apr. 2; v. 249; p. 135.
Beardsley, Porter, *et al.* (See Hulbert, Clarence, assignor.)
Beardsley, Robert F., assignor to Kalamazoo Corset Company, Kalamazoo, Mich. Ventilating-section for corsets. No. 1,252,990; Jan. 8; v. 246; p. 483.
Beardsley, Robert F., assignor to Kalamazoo Corset Company, Kalamazoo, Mich. Ventilating-section for corsets. No. 1,252,991; Jan. 8; v. 246; p. 483.
Beardsley, Robert F., assignor to Kalamazoo Corset Company, Kalamazoo, Mich. Machine for the manufacture of ventilating-inserts for garments. No. 1,261,205; Apr. 2; v. 249; p. 60.
Beardsley, Robert F., assignor to Kalamazoo Corset Company, Kalamazoo, Mich. Strip-cutting machine. No. 1,269,368; June 11; v. 251; p. 384.
Beardsley, Robert F., assignor to Kalamazoo Corset Company, Kalamazoo, Mich. Edge-folding attachment for sewing-machines. No. 1,282,026; Oct. 22; v. 255; p. 619.
Bearg, Frank W., Fairfield, Nebr. Pulley-lagger. No. 1,283,458; Nov. 5; v. 256; p. 5.
Bearkle, Henry. (See Myers, Melvin A., assignor.)
Bearmore, Albert D., Providence, R. I., assignor to The National Marking Machine Company, Cincinnati, Ohio. Device for shaking out laundry articles. No. 1,271,266; July 2; v. 252; p. 145.

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Beasley, John L., Memphis, Tenn. Automobile mower. No. 1,274,499; Aug. 6; v. 253; p. 45.
Beasley, John T., Blakely, Ga. Peanut-digger. No. 1,269,550; June 11; v. 251; p. 431.
Beasley, Thomas, Centralia, Fla. Marlinespike cable-splicer. No. 1,283,044; Oct. 29; v. 255; p. 927.
Beaton, Allan J., New Britain, Conn. Air-valve device. No. 1,264,597; Apr. 30; v. 249; p. 1122.
Beaton, Allan J., New Britain, Conn. Copy-holder. No. 1,264,598; Apr. 30; v. 249; p. 1122.
Beatrice Steel Tank Manufacturing Company. (See Adams, Thomas E., assignor.)
Beattey, Earle J. R., assignor to Universal Optical Corporation, Providence, R. I. Eyeglass-mounting. No. 1,270,590; June 25; v. 251; p. 775.
Beattey, Earle J. R., assignor to Universal Optical Corporation, Providence, R. I. Eyeglass-mounting. No. 1,272,356; July 16; v. 252; p. 511.
Beattey, Earle J. R., assignor to Universal Optical Corporation, Providence, R. I. Spectacle-temple. No. 1,282,524; Oct. 22; v. 255; p. 756.
Beatty, Ross J. (See Snyder, Parke T., assignor.)
Beatty, Thomas W., Carey, Ohio. Insulator. No. 1,273,313; July 23; v. 252; p. 800.
Beaty, John J., Lake City, Minn. Automatic weigher. No. 1,279,227; Sept. 17; v. 254; p. 566.
Beaty, Lawrence N. (See Haggerty and Beaty.)
Beauchamp, Fannon F., Kansas City, Kans., assignor to Westinghouse Electric & Manufacturing Company, Vapor-converter. No. 1,284,216; Nov. 12; v. 256; p. 233.
Beauchemin, Arthur J., and A. J. Laroche, Hartford, Conn. Latch. No. 1,273,314; July 23; v. 252; p. 800.
Beaudet, Telesphore J., San Francisco, assignor of one-half to H. B. Thornberry, Stockton, Cal. Auxiliary drive for locomotives. No. 1,287,187; Dec. 10; v. 257; p. 283.
Beaudette, Henry G., Worcester, Mass. Door-check. No. 1,258,856; Mar. 12; v. 248; p. 303.
Beaudry, Henri. (See Samuel, John, assignor.)
Beaudry, Henri, Montreal, Quebec, Canada. Belt-buckle. No. 1,253,336; Jan. 15; v. 246; p. 614.
Beaudry, Joseph, Waterville, Me. Drilling-machine. No. 1,272,345; July 9; v. 252; p. 480.
Beaulieu, Alfred F., Chicago, Ill. Measuring instrument. No. 1,255,850; Feb. 12; v. 247; p. 253.
Beaulieu, Alfred F., Chicago, Ill. Welding high-speed steel to other steel or iron. No. 1,256,429; Feb. 12; v. 247; p. 426.
Beaulieu, Charles A. (See Cox, Carlos, assignor.)
Beaumont, Orpheus, Puketeraki, New Zealand. Life-saving jacket. No. 1,270,686; June 25; v. 251; p. 800.
Beauprie, Arthur W., Atlanta, Ga. Telegraph-sounder. No. 1,265,589; May 7; v. 250; p. 195.
Beaushene, Peter, Renton, Wash. Lawn-mower. No. 1,278,569; Sept. 10; v. 254; p. 359.
Beaver, Charles J., Hale, and E. A. Claremont, High Leigh, England. Electric conductor. No. 1,256,863; Feb. 19; v. 247; p. 589.
Beaver Company, The. (See Sidwell, Benjamin W., assignor.)
Beaver, Earl B., Detroit, Mich. Golf-ball marker. No. 1,286,205; Dec. 3; v. 257; p. 5.
Beaver, William A. (See Bingen and Beaver.)
Beavers, Robert S., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Circular-knitting machine. No. 1,255,851; Feb. 12; v. 247; p. 254.
Beaverstock, Elisha F., Holyoke, assignor to Draper Corporation, Hopedale, Mass. Weft clamping and parting mechanism for looms. No. 1,265,590; May 7; v. 250; p. 195.
Beaverstock, Elisha F., Holyoke, assignor to Draper Corporation, Hopedale, Mass. Weft clamping and parting mechanism for looms. No. 1,265,591; May 7 v. 250; p. 195.
Beazell, Frank E., Speers, Pa. Wire-clamp. No. 1,273,809; July 30; v. 252; p. 971.
Beberfeld, Morris. (See Leopold and Beberfeld.)
Bebis, Zisso D., Paris, France. Sheet of paper for commercial correspondence. No. 1,278,424; Sept. 10; v. 254; p. 320.
Bechberger, Earl H., Cleveland, Ohio. Nut-lock. No. 1,281,122; Oct. 8; v. 255; p. 303.
Becher, Otto G., Omaha, Nebr. Stencil for sand-blast etching. No. 1,265,989; May 14; v. 250; p. 338.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-plate-finishing apparatus. No. 1,255,279; Feb. 5; v. 247; p. 47.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Metal-pump. No. 1,270,483; June 25; v. 251; p. 745.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Ink-fountain-adjusting device. No. 1,275,642; Aug. 13; v. 253; p. 389.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Plate-clamping means for rotary cylinders. No. 1,275,643; Aug. 13; v. 253; p. 389.
Bechoff, Ferdinand, New York, N. Y. Lens for indicating-lamps. No. 1,289,032; Dec. 24; v. 257; p. 792.
Becht, Louis A., Paris, France. Valve-gear for motors. No. 1,277,363; Sept. 3; v. 254; p. 8.
Bechtel, Arthur W., Reading, Pa. Take-up device for knitting-machines. No. 1,259,478; Mar. 19; v. 248; p. 512.
Bechtel, John, Sr., Earlham, Iowa. Fan. No. 1,268,423; June 4; v. 251; p. 100.
Bechtold, Reuben E., Fort Wayne, Ind., assignor to The Guardian Frigerator Company, Detroit, Mich. Flap-valve for two-cylinder compressors. No. 1,276,478; Aug. 20; v. 253; p. 653.
Bechtold, Reuben E., Fort Wayne, and A. W. Mellowes, assignors to The Guardian Frigerator Company, Detroit, Mich. Cooling apparatus. No. 1,276,612; Aug. 20; v. 253; p. 691.
Bechtolt, Clarence E., assignor to The Recording and Computing Machines Company, Dayton, Ohio. Fare-box. No. 1,252,651; Jan. 8; v. 246; p. 384.
Beck, Alwin, assignor of one-half to H. H. Simms, Rochester, N. Y. Photographic film. No. 1,258,523; Mar. 5; v. 248; p. 167.
Beck, Bernhardt, Cut Bank, Mont. Electric burglar-alarm. No. 1,285,596; Nov. 26; v. 256; p. 661.
Beck, Charles W., Detroit, Mich., assignor to The Beck-Frost Corporation. Forming rims for steering-wheels. No. 1,262,797; Apr. 16; v. 249; p. 568.
Beck, Charles W., Detroit, Mich., assignor to The Beck-Frost Corporation. Terminal. No. 1,268,812; June 11; v. 251; p. 229.
Beck, Charles W., Detroit, Mich. Forming handles for wind-shields or the like. No. 1,283,459; Nov. 5; v. 256; p. 5.
Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to The Beck-Frost Corporation, Detroit, Mich. Tool-box for automobile. No. 1,263,343; Apr. 16; v. 249; p. 720.
Beck Company, Charles. (See Roessling, Otto H., assignor.)
Beck Duplicator Company. (See Saliger, Alois B., assignor.)
Beck, Friedrich C., Seuzach, near Winterthur, Switzerland. Apparatus for fastening artificial legs on the body. No. 1,288,803; Dec. 24; v. 257; p. 737.
Beck-Frost Corporation, The. (See Beck, Charles W., assignor.)
Beck, George C., Spokane, Wash. Boring-tool. No. 1,278,570; Sept. 10; v. 254; p. 360.
Beck, Harry L., Pittsburgh, J. Weible, Coraopolis, and J. J. Houlahen, Millvale, Pa. Fuse. No. 1,274,368; Aug. 6; v. 253; p. 5.
Beck, Heinrich, Schenectady, N. Y. Toy gun. No. 1,266,533; May 14; v. 250; p. 487.
Beck, Heinrich, Schenectady, N. Y. Toy mine. No. 1,283,631; Nov. 5; v. 256; p. 51.
Beck, Heinrich, Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for ventilating search-light casings. No. 1,281,754; Oct. 15; v. 255; p. 506.
Beck, Heinrich, Schenectady, N. Y., assignor to General Electric Company. Thermostat. No. 1,287,188; Dec. 10; v. 257; p. 283.
Beck, Henry J., Toledo, Ohio. Bottle-capping machine. No. 1,278,829; Sept. 17; v. 254; p. 460.
Beck, John C., assignor to The Diddridge-Beck Co., Milton, Ind. Canopy device for burial-caskets. No. 1,270,773; July 2; v. 252; p. 6.
Beck, John H., Salt Lake City, Utah. Shoe-polishing machine. No. 1,254,965; Jan. 29; v. 246; p. 1134.
Beck, Joseph, New York, N. Y., assignor of one-half to W. Edelstein, South Boston, Mass. Catamenial sack. No. 1,283,632; Nov. 5; v. 256; p. 51.
Becker, Joseph, Washington, D. C., assignor to Eastman Kodak Company, Rochester, N. Y. Finder. No. 1,289,088; Dec. 31; v. 257; p. 830.
Beck, Joseph W., El Rito, N. Mex. Mud-chain hook. No. 1,285,597; Nov. 26; v. 256; p. 661.
Beck, Michael, Minneapolis, Minn. Carbureter. No. 1,264,141; Apr. 30; v. 249; p. 992.
Beck, Nels A., Ortonville, Minn. Snow-plow. No. 1,284,562; Nov. 12; v. 256; p. 321.
Beck, Roy C., E. A. Owens, and J. H. Steinman, assignors to Selectasine System, San Francisco, Cal. Delineating or reproducing pictures and designs. No. 1,254,764; Jan. 29; v. 246; p. 1075.
Beck, William P., assignor of one-half to A. C. Burns, Birmingham, Ala. Roofing-tile. No. 1,255,280; Feb. 5; v. 247; p. 47.
Becker, Albert S., Jersey City, N. J., assignor to The Palm Brothers Company, New York, N. Y. Printing and transferring decalcomanias to china, metal, wood, &c. No. 1,271,006; July 2; v. 252; p. 73.
Becker, Anton, assignor to The Ralston Steel Car Company, Columbus, Ohio. Underframe construction for railway-cars. No. 1,264,884; May 7; v. 250; p. 4.
Becker, Benjamin, St. Louis, Mo. Door-opener. No. 1,267,307; May 21; v. 250; p. 732.
Becker, Caspar A., San Mateo, Cal. String-bean slicer. No. 1,260,129; Mar. 19; v. 248; p. 697.
Becker, Charles A., Newark, N. J. Making chain. No. 1,273,810; July 30; v. 252; p. 971.
Becker, Christopher A., West Nutley, N. J., assignor to The Torsion Balance Company, New York, N. Y. Specific-gravity scale. No. 1,272,605; July 16; v. 252; p. 579.

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Becker, Donald B., Watervliet, assignor to Geo. P. Ide & Co., Troy, N. Y. Soft turn-down collar. No. 1,276,479; Aug. 20; v. 253; p. 654.
Becker, Donald B., Watervliet, assignor to Geo. P. Ide & Co., Troy, N. Y. Soft collar. No. 1,276,480; Aug. 20; v. 253; p. 654.
Becker, Edmund H., Washington, D. C. Battery. No. 1,257,969; Mar. 5; v. 248; p. 6.
Becker, Frederick W., New York, N. Y. Skate. No. 1,275,519; Aug. 13; v. 253; p. 354.
Becker, Harry J., Northampton, assignor to W. Arbogast, Allentown, Pa. Heating system for incubators and brooders. No. 1,283,045; Oct. 29; v. 255; p. 927.
Becker, Herman W., *et al.* (See Olson, Hans M., assignor.)
Becker, Johannes P., Berkeley, Cal. Automobile turning-signal light. No. 1,253,337; Jan. 15; v. 246; p. 614.
Becker, John H., Hazleton, Pa., assignor to Anthracite Separator Company. Adjustable spiral separator. No. 1,270,365; June 25; v. 251; p. 711.
Becker, Joseph, Washington, D. C., assignor to Eastman Kodak Company, Rochester, N. Y. Finder. No. 1,280,133; Oct. 1; v. 255; p. 4.
Becker, Joseph, Washington, D. C., assignor to Eastman Kodak Company, Rochester, N. Y. Copying and enlarging camera. No. 1,280,638; Oct. 8; v. 255; p. 171.
Becker, Joseph, Washington, D. C., assignor to Eastman Kodak Company, Rochester, N. Y. Finder. No. 1,283,633; Nov. 5; v. 256; p. 51.
Becker, Julius, Chicago, Ill. Composition of matter. No. 1,256,864; Feb. 19; v. 247; p. 589.
Becker, Julius, assignor to J. P. Mentzer, Chicago, Ill. Storage battery. No. 1,269,778; June 18; v. 251; p. 528.
Becker, Julius, Chicago, Ill. Dry secondary cell. No. 1,273,447; July 23; v. 252; p. 836.
Becker, Julius, Racine, Wis. Single-phase motor. No. 1,269,152; June 11; v. 251; p. 325.
Becker, Karl A., Los Angeles, Cal. Violinist's practice device. No. 1,275,202; Aug. 13; v. 253; p. 268.
Becker, Kerman, Baltimore, Md. Display-sign. No. 1,278,094; Sept. 10; v. 254; p. 236.
Becker, Mathias B., Chicago, Ill. Asphaltic shingle. No. 1,256,508; Feb. 19; v. 247; p. 485.
Becker, Oliver E., Oak Park, Ill. Brush for electrical machinery. No. 1,282,027; Oct. 22; v. 255; p. 620.
Becker, Oliver E., Oak Park, Ill. Electrical-brush connection and making the same. No. 1,288,474; Dec. 24; v. 257; p. 656.
Becker, Pawel, New York, N. Y. Projectile. No. 1,278,830; Sept. 17; v. 254; p. 461.
Becker, Peter. (See Lustig, Maxwell, assignor.)
Becker, Philip A., Brooklyn, N. Y. Supplemental box-lid. No. 1,287,833; Dec. 17; v. 257; p. 474.
Becker, Raymond A., and T. E. Maddex, Hillsboro, Ill. Insulator-thimble. No. 1,268,315; June 4; v. 251; p. 70.
Becker, Robert A., assignor to C. Tremain, Poughkeepsie, N. Y. Transmission-line connector. No. 1,251,464; Jan. 1; v. 246; p. 4.
Becker, Robert A., assignor to C. Tremain, Poughkeepsie, N. Y. Cable-grip. No. 1,263,020; Apr. 16; v. 249; p. 631.
Becker, Robert A., assignor to C. Tremain, Poughkeepsie, N. Y. Connector. No. 1,267,959; May 28; v. 250; p. 943.
Becker, Rudolph, Roselle Park, N. J., assignor to The Singer Manufacturing Company. Hat-sweat and attachment. No. 1,280,946; Oct. 8; v. 255; p. 255.
Becker, Rudolph, Roselle Park, N. J., assignor to The Singer Manufacturing Company. Hat-sweat and attachment. No. 1,281,123; Oct. 8; v. 255; p. 304.
Becker, William H., Garald, Mo. Lid-clamp for cases or crates. No. 1,286,503; Dec. 3; v. 257; p. 79.
Beckerleg, James C., Chicago, Ill. Means to prevent chattering in valves and the like. No. 1,273,445; July 23; v. 252; p. 836.
Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Abrasive. No. 1,279,828; Sept. 24; v. 254; p. 759.
Beckett, William A., Kingsville, Ontario, Canada. Cooker. No. 1,275,203; Aug. 13; v. 253; p. 268.
Beckett, William N., Savannah, Ga. Combined priming and vaporizing device. No. 1,265,872; May 14; v. 250; p. 305.
Beckham, J. J. (See East, Arthur R., assignor.).
Beckley, Walter R., assignor to General Filtration Company, Inc., Rochester, N. Y. Chemical filter. No. 1,277,832; Sept. 3; v. 254; p. 139.
Beckman, Adolph G., Baltimore, Md. Water-gage. No. 1,278,831; Sept. 17; v. 254; p. 461.
Beckman, Frank E., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-edge-molding machine. No. 1,255,281; Feb. 5; v. 247; p. 47.
Beckman, Fritz S., Grundy Center, Iowa. Automobile-signal. No. 1,253,124; Jan. 8; v. 246; p. 523.
Beckman, Herbert S. (See Teague, George J., assignor.)
Beckman, Jacob H., Seattle, Wash. Car-repairing device. No. 1,266,093; May 14; v. 250; p. 367.
Beckman, Jacob H., Seattle, Wash. Automobile-turning device. No. 1,266,094; May 14; v. 250; p. 367.
Beckman, Jacob H., Seattle, Wash. Automobile-turning apparatus. No. 1,286,504; Dec. 3; v. 257; p. 80.
Beckman, John W. (See Dolbear and Beckman.)
Beckman, Knut A., Stockholm, Sweden. Automatic slack-adjuster for railway-brakes. No. 1,283,634; Nov. 5; v. 256; p. 51.
Beckmann, Ernest, Dahlem, near Berlin, assignor to Otwi-Werke mit beschrankter Haftung, Delmenhorst, near Bremen, Germany. Flexible tube. No. 1,259,952; Mar. 19; v. 248; p. 649.
Beckmann, John W., assignor to Automatic Powdered Soap Dispenser Company, Inc., New York, N. Y. Soap-powder dispenser. No. 1,266,195; May 14; v. 250; p. 397.
Beckmann, Josef, assignor to the Corporation of Dr-ing, Schneider & Co., Elektrizitats-Ges. m. b. H., of Frankfort-on-the-Main, Germany. Electric pocket-lamp. No. 1,280,370; Oct. 1; v. 255; p. 72.
Beckmann, Wilhelm, Berlin, Germany. Arrangement for driving tachometers on locomotives. No. 1,254,567; Jan. 22; v. 246; p. 987.
Beckner, Matthew O., Roanoke, Va. Fly-catcher. No. 1,280,371; Oct. 1; v. 255; p. 72.
Beckner, Matthew O., Roanoke, Va. Silo. No. 1,280,372; Oct. 1; v. 255; p. 72.
Beckner, Matthew O., Roanoke, Va. Mower attachment. No. 1,280,373; Oct. 1; v. 255; p. 72.
Beckner, Noah J. (See Morrison and Beckner.)
Beckner, Noah J., North Yakima, assignor to Safety Patent Co., Yakima, Wash. Collapsible step. No. 1,266,762; May 21; v. 250; p. 582.
Beckner, Noah J., and J. A. Morrison, North Yakima, Wash., assignors to Safety Patent Co. Switch-lock. No. 1,261,206; Apr. 2; v. 249; p. 60.
Beckstrom, William, Rice Lake, Wis. Automatic coupling. No. 1,263,999; Apr. 23; v. 249; p. 922.
Beckwith, Harry, New Castle, Pa. Horn or bell attachment. No. 1,278,095; Sept. 10; v. 254; p. 233.
Beckwith, Harry W., assignor of one-half to S. Horowitz, Los Angeles, Cal. Sewing-machine attachment. No. 1,280,947; Oct. 8; v. 255; p. 255.
Beckwith, Henry C., assignor to The John F. Byers Machine Company, Ravenna, Ohio. Portable power-shovel. No. 1,255,282; Feb. 5; v. 247; p. 48.
Beckwith, Sidney F. (See Spainhour, James S., assignor.)
Beckwith, Walter, Los Angeles, Cal. Motion-picture reel. No. 1,269,999; June 18; v. 251; p. 587.
Beckwith, Walter C., Fostoria, Ohio. Apparatus for raising sunken vessels. No. 1,264,257; Apr. 30; v. 249; p. 1026.
Beckwith, Walter C., Fostoria, Ohio. Apparatus for raising sunken vessels. No. 1,268,082; June 4; v. 251; p. 4.
Beckwith, William E., assignor to The A. S. Kratz Company, Inc., Richmond, Va. Box. No. 1,277,833; Sept. 3; v. 254; p. 139.
Bécotte, Armand. (See Bécotte, William, assignor.)
Bécotte, William, assignor to A. Bécotte, New Bedford, Mass. Antiskidding device. No. 1,278,832; Sept. 17; v. 254; p. 461.
Becton Dickinson & Co. (See Schwidetzky, Oscar O. R., assignor.)
Becton, Dickinson & Co. (See Shull, Ivan R., assignor.)
Bedard, Leon, Jr., and S. Boiteau, Jr., St. Sauveur, Quebec, Canada. Animal-trap. No. 1,256,973; Feb. 19; v. 247; p. 621.
Bedaux, Charles E., Grand Rapids, Mich. Call-recording apparatus for telephones. No. 1,259,591; Mar. 19; v. 248; p. 544.
Beddard, Edgar B., Wolverhampton, England. Ball-bearing extractor. No. 1,289,611; Dec. 31; v. 257; p. 961.
Bedecs, Louis. (See Losoncy, Jozsef, assignor.)
Bedient, John W., Sacramento, Cal. Gate. No. 1,288,804; Dec. 24; v. 257; p. 737.
Bedortha, Alfred C., assignor of four-tenths to L. L. Bedortha, Windsor, Conn. Treating tobacco. No. 1,262,622; Apr. 16; v. 249; p. 518.
Bedortha, Alfred C., assignor of four-tenths to L. L. Bedortha, Windsor, Conn. Treating tobacco. No. 1,262,623; Apr. 16; v. 249; p. 518.
Bedortha, Lawrence L. (See Bedortha, Alfred C., assignor.)
Bee, Harlen L., Salem, W. Va. Dust-collector. No. 1,267,171; May 21; v. 250; p. 698.
Beebe, Charles S., assignor to B. B. Manufacturing Company, Racine, Wis. Sled. No. 1,253,338; Jan. 15; v. 246; p. 614.
Beebe, Charles S., assignor to B. B. Manufacturing Company, Racine, Wis. Vehicle. No. 1,258,857; Mar. 12; v. 248; p. 303.
Beebe, Gaylord W., Clayton, Ga. Check-protector. No. 1,252,536; Jan. 8; v. 246; p. 350.
Beebe, Norman H., Davenport, Iowa, assignor to Lee Broom & Duster Company, Lincoln, Nebr. Broom-clamping machine. No. 1,252,992; Jan. 8; v. 246; p. 483.
Beech-Nut Packing Company *et al.* (See Peller, Karl E., assignor.)
Beecham, Oscar, Deerfield, Ill. Record-cabinet. No. 1,259,345; Mar. 12; v. 248; p. 442.
Beecher, Louis A., West Barrington, R. I. Process and machine for treating wool. No. 1,287,834; Dec. 17; v. 257; p. 474.

Beechlyn, John T. (See Halvorson and Beechlyn.)
Beeck, William E., Wilkinsburg, Pa. Scriber-gage. No. 1,262,433; Apr. 9; v. 249; p. 436.
Beeck, William E., Wilkinsburg, Pa. Scriber attachment. No. 1,262,434; Apr. 9; v. 249; p. 436.
Beecroft, Albert J., Victoria, British Columbia, Canada. Beveling-planer. No. 1,284,563; Nov. 12; v. 256; p. 321.
Beecroft, Edgar C., New York, N. Y. Crutch and like article. No. 1,284,991; Nov. 19; v. 256; p. 469.
Beede, Herbert G., Pawtucket, assignor to E. Dixon, Bristol, R. I. Top-roll saddle. No. 1,259,203; Mar. 12; v. 248; p. 402.
Beede, Theodatus G., Youngstown, Ohio. Carbureter for gas-engines. No. 1,272,895; July 16; v. 252; p. 664.
Beedham, Albert, assignor of forty-five one-hundredths to Ideal Well Casing Company, Calgary, Alberta, Canada. Lock-joint for well-casings. No. 1,287,835; Dec. 17; v. 257; p. 474.
Beedy, Daniel, Colby, Kans. Deep-well pump. No. 1,271,995; July 9; v. 252; p. 383.
Beeghley, Leonard, Kingsley, Iowa. Vine-cutter. No. 1,269,042; June 11; v. 251; p. 293.
Beek, Max, New York, N. Y. Cushion-tire and making the same. No. 1,270,591; June 25; v. 251; p. 775.
Beeman, Cornelius J., Akron, Ohio. Door. No. 1,260,858; Mar. 26; v. 248; p. 942.
Beeman, Edwin R., and C. A. Peters, assignors to Beeman Garden Tractor Co., Minneapolis, Minn. Agricultural implement. No. 1,288,805; Dec. 24; v. 257; p. 738.
Beeman, Edwin S., assignor of one-half to W. F. Pusch, Laporte, Ind. Wheel-rim. No. 1,286,206; Dec. 3; v. 257; p. 6.
Beeman Garden Tractor Co. (See Beeman and Peters, assignors.)
Beeman Garden Tractor Company. (See Hicks, Rex P., assignor.)
Beemer, Frank, Philadelphia, Pa. Annular ball-bearing. No. 1,286,505; Dec. 3; v. 257; p. 80.
Beer, Owen F., St. Johnsbury, Vt. Stringed musical instrument. No. 1,272,257; July 16; v. 252; p. 511.
Beere, William J. E., assignor to Rushmores Limited, London, England. Starting device for explosion and other engines. No. 1,283,046; Oct. 29; v. 255; p. 928.
Beers, Floyd J., and C. E. Stamp, Lowman, N. Y. Automatic draft-regulator for heaters. No. 1,268,424; June 4; v. 251; p. 101.
Beery, Bernard W., Portsmouth, Ohio. Combined boring-tool and countersink. No. 1,256,865; Feb. 19; v. 247; p. 589.
Beery, Samuel M., Eagle Creek township, Boone county, Ind. Adjustable angle-wrench. No. 1,286,506; Dec. 3; v. 257; p. 80.
Beery, Samuel M., Eagle township, Boone county, assignor to T. A. and E. E. Merriman, Brown township, Ind. Reversible wheel-rim. No. 1,252,077; Jan. 1; v. 246; p. 187.
Beery, Samuel M., Eagle township, Boone county, assignor to T. A. and E. E. Merriman, Brown township, Morgan county, Ind. Automobile-wheel. No. 1,260,253; Mar. 19; v. 248; p. 733.
Beethoven, Julian B., New York, N. Y. Musical-instrument holder. No. 1,262,163; Apr. 9; v. 249; p. 361.
Beeton, Henry R. (See Barr and Bell, assignors.)
Beezley, Ernest L., and F. Lane, Mount Pleasant, Iowa. Fertilizer-distributing machine. No. 1,271,007; July 2; v. 252; p. 73.
Begemann, Heinrich G., Perth Amboy, N. J. Treating refuse. No. 1,263,512; Apr. 23; v. 249; p. 790.
Begg, Alexander L. W., New York, N. Y. Street-car. No. 1,277,680; Sept. 3; v. 254; p. 97.
Begg, Alexander L. W., New York, N. Y. System of locomotion. No. 1,277,681; Sept. 3; v. 254; p. 97.
Begg, Jonathan, Oakland, Cal. Floating breakwater. No. 1,264,756; Apr. 30; v. 249; p. 1163.
Beggs, Thomas R., New York, N. Y. Method and apparatus for cooling beer. No. 1,289,364; Dec. 31; v. 257; p. 899.
Begle, Ned G., Saginaw, Mich. Thread-gage. No. 1,289,089; Dec. 31; v. 257; p. 831.
Bégot, Louis H. E., Paris, France, assignor, by mesne assignments, to Steynis Ozone Company. Apparatus for sterilizing water by means of ozone. No. 1,264,360; Apr. 30; v. 249; p. 1054.
Behan, Thomas, Aliquippa, Pa. Train-pipe coupling. No. 1,258,980; Mar. 12; v. 248; p. 338.
Behl, Arthur F., Watertown, Wis. Farm-gate. No. 1,282,368; Oct. 22; v. 255; p. 714.
Behn, Walter J., Detroit, Mich. Universal joint. No. 1,261,683; Apr. 2; v. 249; p. 196.
Behr, Ernst, Saratoga Springs, N. Y. Insect trapping and killing machine. No. 1,277,531; Sept. 3; v. 254; p. 55.
Behrend, Bernard A. (See Field and Behrend.)
Behrend & Rothschild. (See Lee, John J., assignor.)
Behrendt, Jacob W., and F. A. Weise, San Francisco, Cal. Filter. No. 1,256,766; Feb. 19; v. 247; p. 559.
Behringer, Emil, Brooklyn, N. Y. Internal regenerative cooler. No. 1,261,476; Apr. 2; v. 249; p. 136.
Behrman, Marcus B., New York, N. Y. Seal-tag. No. 1,254,021; Jan. 22; v. 246; p. 831.
Beidler, George C., Rochester, N. Y. Copy-holder. No. 1,254,195; Jan. 22; v. 246; p. 881.
Beidler, George C., Rochester, N. Y. Copy-holder. No. 1,267,358; May 28; v. 250; p. 774.
Beidler, George C., Rochester, N. Y. Photographing apparatus. No. 1,272,190; July 9; v. 252; p. 437.
Beidler, George C., Rochester, N. Y. Photographic and developing apparatus. No. 1,285,906; Nov. 26; v. 256; p. 739.
Beier, Paul T., Rodelheim, Frankfort-on-the-Rhine, and F. Bock, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Buffing-machine. No. 1,280,639; Oct. 8; v. 255; p. 171.
Beier, Robert, *et al.* (See Chambers, Frank A., assignor.)
Beierschmitt, John A., Fairbank, Iowa. Automobile-rest. No. 1,271,421; July 2; v. 252; p. 186.
Beilke, Richard H., Granton, Wis. Rocking-chair-operated device. No. 1,254,387; Jan. 22; v. 246; p. 935.
Beinhart, Ernest G. (See Garner and Beinhart.)
Beirns, John A., Detroit, Mich. Starter for internal-combustion engines. No. 1,257,784; Feb. 26; v. 247; p. 894.
Beirns, John A., Detroit, Mich. Engine-starter. No. 1,282,172; Oct. 22; v. 255; p. 660.
Beisel, William J., Brooklyn, N. Y. Spinning-machine. No. 1,264,599; Apr. 30; v. 249; p. 1122.
Beisel, William J., Brooklyn, N. Y. Non-refillable bottle. No. 1,278,294; Sept. 10; v. 254; p. 287.
Beisner, August H., Hebron, Nebr. Straw conveyer and spreader. No. 1,256,196; Feb. 12; v. 247; p. 358.
Beisswenger, John H. C., Newark, N. J. Oval compass. No. 1,286,507; Dec. 3; v. 257; p. 80.
Beistle, Martin L., Shippensburg, Pa. Toy. No. 1,280,948; Oct. 8; v. 255; p. 255.
Beistle, Martin L., Shippensburg, Pa. Apparatus for stemming artificial leaves and the like. No. 1,289,090; Dec. 31; v. 257; p. 831.
Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Baking-dish. (Reissue.) No. 14,558; Dec. 10; v. 257; p. 384.
Beitman, Albert B., East Cleveland, Ohio. Combined tire-carrier and luggage-receptacle. No. 1,253,339; Jan. 15; v. 246; p. 615.
Bekkedahl, Ole. (See Aller and Bekkedahl.)
Bekkering, Earl H., assignor to Duluth Show Case Company, Duluth, Minn. Rocking bin. No. 1,264,258; Apr. 30; v. 249; p. 1027.
Bekkering, Earl H., assignor to Duluth Show Case Company, Duluth, Minn. Display-drawer. No. 1,274,843; Aug. 6; v. 253; p. 143.
Belanger, John D., Chicago, Ill. Combination-chair. No. 1,277,682; Sept. 3; v. 254; p. 97.
Belanger, Victor, Marshfield, assignor to New Era Spinning Co., Boston, Mass. Device for spinning and twisting textile fiber. No. 1,285,598; Nov. 26; v. 256; p. 661.
Belcher, Leon K., New York, N. Y. Oil-burner. No. 1,272,896; July 16; v. 252; p. 664.
Belcher, Leon K., New York, N. Y. Oil-burner. No. 1,272,897; July 16; v. 252; p. 664.
Belcher, Ralph R., Bainbridge, Ga. Store-shelving. No. 1,282,369; Oct. 22; v. 255; p. 714.
Belco Sanitary Mfg. Co. (See Vient, Benjamin A., assignor.)
Beldam, George W., Ealing, England. Elastic wheel-tire. No. 1,267,738; May 28; v. 250; p. 880.
Belden, Edward H., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,268,083; June 4; v. 251; p. 4.
Belden, Edward H., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,270,774; July 2; v. 252; p. 6.
Belden, Edward H., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,276,014; Aug. 20; v. 253; p. 523.
Belden, Erle B. (See Baker, William I., assignor.)
Belden, George B., Spokane, Wash. Float-operated indicator. No. 1,271,008; July 2; v. 252; p. 73.
Belden, Herbert F., Detroit, Mich. Automobile-wheel. No. 1,284,217; Nov. 12; v. 256; p. 233.
Beldon, Ralph B., Jefferson, Ohio. Vaporizer and mixer for internal-combustion engines. No. 1,272,898; July 16; v. 252; p. 664.
Beler, Adolf, Pittsburgh, Pa. Water-heater. No. 1,265,592; May 7; v. 250; p. 196.
Beler, Adolf, Pittsburgh, Pa. Regulating-valve for water-heaters. No. 1,265,593; May 7; v. 250; p. 196.
Belfils, Georges, Paris, France. Alternating-current generator and group-converter. No. 1,270,687; June 25; v. 251; p. 800.
Belgard, William B., Boyce, assignor of one-half to C. A. Copenhaver, Alexandria, La. Wire-stretcher. No. 1,267,308; May 21; v. 250; p. 732.
Belin, Edouard, Paris, France. Wireless time-signaling. No. 1,260,303; Mar. 26; v. 248; p. 781.
Beling, Leopold, assignor to Certipure Company, Brooklyn, N. Y. Moisture-proof package for tea and the like. No. 1,262,299; Apr. 9; v. 249; p. 397.
Belitz, Paul H., Chicago, Ill. Rotary engine. No. 1,259,714; Mar. 19; v. 248; p. 578.
Belk, James B., Charlottesville, Va. Display-cabinet. No. 1,253,125; Jan. 8; v. 246; p. 523.

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Belknap, Charles H., Brooklyn, N. Y. Game. No. 1,276,015; Aug. 20; v. 253; p. 524.
Belknap, Edwin D., East Orange, N. J. Addressing-machine. No. 1,256,509; Feb. 19; v. 247; p. 485.
Belknap, Edwin D., East Orange, N. J. Structure for use in making stencil-cards. No. 1,256,510; Feb. 19; v. 247; p. 486.
Belknap, Henry H., Philadelphia, Pa. Base-board and molding brush. No. 1,284,992; Nov. 19; v. 256; p. 469.
Belknapp, Seba E. (See Martin, William H., assignor.)
Bell, Alfred B., assignor to Hale and Kilburn Company, Philadelphia, Pa. Hinge and casing therefor. No. 1,254,020; Jan. 22; v. 246; p. 830.
Bell, Arthur, Nyack, N. Y. Adjustable crutch. No. 1,270,102; June 18; v. 251; p. 614.
Bell, Arthur M., Belleville, Ill., assignor, by mesne assignments, to National Carbon Company, Inc., Cleveland, Ohio. Machine for pointing carbons. No. 1,255,693; Feb. 5; v. 247; p. 167.
Bell, Arthur L., Vancouver, British Columbia, Canada. Proportioning-scale. No. 1,279,829; Sept. 24; v. 254; p. 759.
Bell, Charles E. (See Clayton, Washington I., assignor.)
Bell, Daniel L., Pollok Settlement, Auckland, New Zealand. Recoil apparatus for ordnance. No. 1,288,372; Dec. 17; v. 257; p. 604.
Bell, David, assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Power-hammer. No. 1,260,745; Mar. 26; v. 248; p. 912.
Bell, Dillwyn M., Oak Park, Ill., assignor to J. J. Dauch, Sandusky, Ohio. Dust-guard. No. 1,284,173; Nov. 5; v. 256; p. 194.
Bell, Dillwyn M., Oak Park, Ill., assignor to J. J. Dauch, Sandusky, Ohio. Dust-guard. No. 1,289,612; Dec. 31; v. 257; p. 961.
Bell, Earl R., Covington, Ky., assignor of one-half to J. Neyer, Jr., Cincinnati, Ohio. Self-locking adjustable shore. No. 1,273,811; July 30; v. 252; p. 971.
Bell, Edward R., *et al.* (See Avis, William C., assignor.)
Bell, George F., Tulsa, Okla. Sand-baler for wells. No. 1,257,176; Feb. 19; v. 247; p. 679.
Bell, George G., Providence, R. I. Key-chain reel. No. 1,262,005; Apr. 9; v. 249; p. 317.
Bell, George W., Detroit, Mich. Antivibration device for automobiles. No. 1,288,475; Dec. 24; v. 257; p. 657.
Bell, George W., Liverpool, England. Means for controling pneumatic antivibration devices for automobiles. No. 1,289,039; Dec. 24; v. 257; p. 793.
Bell, George W., Liverpool, England. Means for lubricating pneumatic antivibration devices for automobiles. No. 1,289,040; Dec. 24; v. 257; p. 793.
Bell, George W., Liverpool, England. Antivibration device for automobiles and like vehicles. No. 1,289,041; Dec. 24; v. 257; p. 794.
Bell, Harmon. (See Loftus, Thomas J., assignor.)
Bell & Howell Company. (See Howell, Albert S., assignor.)
Bell, James D., Seattle, Wash. Centrifugal pump. No. 1,272,606; July 16; v. 252; p. 580.
Bell, James H., Philadelphia, Pa. Timing device for pigeons. No. 1,266,907; May 21; v. 250; p. 622.
Bell, John E., Brooklyn, N. Y. Boiler-baffling. No. 1,257,302; Feb. 26; v. 247; p. 752.
Bell, John E., Brooklyn, N. Y. Furnace. No. 1,283,047; Oct. 29; v. 255; p. 928.
Bell, John E., New York, N. Y. Vertical water-tube boiler. No. 1,266,906; May 21; v. 250; p. 621.
Bell, John E., New York, N. Y. Water-tube boiler. No. 1,275,366; Aug. 13; v. 253; p. 313.
Bell, John E., New York, N. Y. Soot-blower for water-tube boilers. No. 1,283,048; Oct. 29; v. 255; p. 928.
Bell, John H., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Repeater system. No. 1,257,303; Feb. 26; v. 247; p. 752.
Bell, John H., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. No. 1,265,728; May 14; v. 250; p. 263.
Bell, John H., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. No. 1,272,191; July 9; v. 252; p. 437.
Bell, John H., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. No. 1,286,917; Dec. 10; v. 257; p. 213.
Bell, John M., Chester, S. C. Portable soldering device. No. 1,272,358; July 16; v. 252; p. 511.
Bell, John M., Portsmouth, Ohio. Crane-hook. No. 1,272,359; July 16; v. 252; p. 511.
Bell, John T., deceased; J. T. Bell, administratrix, San Francisco, Cal. Davit tackle-block. No. 1,273,315; July 23; v. 252; p. 800.
Bell, Joseph D., San Francisco, Cal., assignor to Joseph D. Bell Company. Combined bed and seat. (Reissue.) No. 14,549; Nov. 12; v. 256; p. 423.
Bell, Joseph M., and G. S. Brown, Mount Gilead, Ohio. Reinforced-concrete pipe. No. 1,254,302; Jan. 22; v. 246; p. 912.
Bell, Josephine T., administratrix. (See Bell, John T.)
Bell, Landon C., Columbus, Ohio. Folding bootjack. No. 1,274,500; Aug. 6; v. 253; p. 45.
Bell, Louis, Newton, Mass. Endotoroidal lens. No. 1,275,204; Aug. 13; v. 253; p. 269.
Bell, Louis, Newton, assignor of one-half to himself, and one-half to W. G. Wolfe, Wakefield, Mass. Ophthalmic lens. No. 1,253,998; Jan. 15; v. 246; p. 803.
Bell, Louis, Newton, assignor of one-half to himself and one-half to W. G. Wolfe, Greenwood, Mass. Headlight-lens. No. 1,277,364; Sept. 3; v. 254; p. 8.
Bell, Morris F., Fulton, Mo. Foot-rest. No. 1,270,103; June 18; v. 251; p. 615.
Bell, Robert A. (See Barr and Bell.)
Bell, Robert D., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Straw-stacker for threshing-machines. No. 1,258,858; Mar. 12; v. 248; p. 304.
Bell, Rollo R., Pasadena, Cal. Internal-combustion engine. No. 1,278,571; Sept. 10; v. 254; p. 360.
Bell, Samuel R., Beaumont, Tex. Refrigerating-machine. No. 1,289,613; Dec. 31; v. 257; p. 961.
Bell, Schuyler C., Santa Fe, assignor of one-half to S. C. Bell, Belen, N. Mex. Fish-screen for irrigating-ditches. No. 1,269,779; June 18; v. 251; p. 529.
Bell, Silas D., Childress, assignor to J. H. Mowery, Childress county, Tex. Mouse-guard for pianos. No. 1,267,047; May 21; v. 250; p. 662.
Bell, Stella C. (See Bell, Schuyler C., assignor.)
Bell, Thomas, Sibbald, Alberta, Canada. Rotary oil-pump. No. 1,259,204; Mar. 12; v. 248; p. 402.
Bell, Thomas W., Sistersville, W. Va. Well-jar. No. 1,277,683; Sept. 3; v. 254; p. 98.
Bell, Walter G. (See Russell, Charles A., assignor.)
Bell, William, London, England. Ventilating apparatus. No. 1,264,361; Apr. 20; v. 249; p. 1054.
Bell, William A. (See Watson, Harry W., assignor.)
Bell, William E. (See Woodward, Benjamin F., assignor.)
Bell, William I. (See Brueggeman, Frank, assignor.)
Bell, William J. (See Pierce, William L., assignor.)
Bell, William L., Santa Cruz, Cal. Gauze-dam surgical instrument. No. 1,275,520; Aug. 13; v. 253; p. 335.
Bell, William M., Charlotte, N. C. Lock for motor-vehicles. No. 1,272,192; July 9; v. 252; p. 437.
Bell, William R., Dunham, Ala. Railway construction-car. No. 1,254,303; Jan. 22; v. 246; p. 912.
Bell, William R., Dunham, Ala. Rail-holding device. No. 1,267,960; May 28; v. 250; p. 943.
Bell, William T., Vivian, La. Oil-saver. No. 1,252,652; Jan. 8; v. 246; p. 384.
Bellamy, Harry T., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making colored glass. No. 1,271,652; July 9; v. 252; p. 286.
Bellamy, Louis W., Madison, Ind. Pencil and the like. No. 1,253,126; Jan. 8; v. 246; p. 524.
Bellard, Paul, Paris, France. Apparatus for assembling ball-bearings. No. 1,259,346; Mar. 12; v. 248; p. 442.
Bellingham, Benjamin. (See Richards and Bellingham.)
Bellion, William E., Brooklyn, assignor of one-half to H. W. Christman, Jamaica, N. Y. Steam-generator. No. 1,274,233; July 30; v. 252; p. 1091.
Bellman, Frank W., Los Angeles, Cal. Crimping-tongs. No. 1,284,993; Nov. 19; v. 256; p. 469.
Bellman, William C. H., Bird City, Kans. Head-gear for animals. No. 1,288,806; Dec. 24; v. 257; p. 738.
Bellonby, Leonard A., Haldeman, Ky. Apparatus for curing concrete products. No. 1,264,142; Apr. 30; v. 249; p. 993.
Bellows, Lottie A. (See Pierce, Ernest C., assignor.)
Bellows, Warren S., Worcester, Mass. Ratchet-wrench. No. 1,281,484; Oct. 15; v. 255; p. 436.
Bellows, Warren S., Worcester, Mass. Wrench-socket. No. 1,282,028; Oct. 22; v. 255; p. 620.
Belmont, Ralph A. (See Both, Trumbull, and Schoenberg.)
Belmont, Ralph A. (See Pape, Herman G., assignor.) (Reissue.)
Belmont, Ralph A. (See Schoenberg, Ralph A.)
Beltner, Henry H., Overton, Nebr. Engine work-stand. No. 1,277,532; Sept. 3; v. 254; p. 55.
Belto Manufacturing Company, The. (See String, Benjamin T., assignor.)
Belton, John D., Crowley, La. Sounding toy. No. 1,257,448; Feb. 26; v. 247; p. 793.
Belton, Robert L., Dayton, Ohio. Protective liner for pneumatic tires. No. 1,273,446; July 23; v. 252; p. 836.
Beltz, Grace C., Seattle, Wash. Skirt-marker. No. 1,257,573; Feb. 26; v. 247; p. 831.
Beltz, Lewis F., Carnegie, Pa. Rail-tire for vehicles. No. 1,286,918; Dec. 10; v. 257; p. 214.
Belvel, Elijah R., Minneapolis, Minn., assignor to The Hill Pump Valve Company, Chicago, Ill. Truck attachment for automobiles. No. 1,279,635; Sept. 24; v. 254; p. 702.
Belway, Joseph, Rosswood, British Columbia, Canada. Hame-fastener. No. 1,289,091; Dec. 31; v. 257; p. 831.
Bem, Joseph P., Berkeley, assignor to Bem Shock Absorbing Wheel Company, San Francisco, Cal. Resilient wheel. No. 1,263,513; Apr. 23; v. 249; p. 790.
Bem Shock Absorbing Wheel Company. (See Bem, Joseph P., assignor.)
Bemelmans, Lampert. (See Bruckner and Bemelmans.)
Bemis, Arthur S., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company. Making resister-plates. No. 1,282,029; Oct. 22; v. 255; p. 620.

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Bemis, Bently A., Minneapolis, Minn. Dish-washing machine. No. 1,280,640; Oct. 8; v. 255; p. 171.
Bemis, Edgar W., Worcester, Mass. Work-holding device. No. 1,260,130; Mar. 19; v. 248; p. 697.
Bemis, Gilbert C., assignor to Worcester Brush and Scraper Company, Worcester, Mass. Brush for cleaning guns and the like. No. 1,258,737; Mar. 12; v. 248; p. 267.
Bemis, Richard A., San Bernardino, Cal. Air and gas pump. No. 1,278,572; Sept. 10; v. 254; p. 360.
Bemis, Thomas, Sr. (See Bright, Martin C., assignor.)
Bemis, Thomas, Sr., Indianapolis, Ind., assignor to The Lamson Company, Boston, Mass. Sanitary conveyer. No. 1,255,977; Feb. 12; v. 247; p. 291.
Ben Day Inc. (See Cowan, Fletcher, assignor.)
Benbow, Burtis W., Eureka, Cal. Recording-compass. No. 1,256,430; Feb. 12; v. 247; p. 426.
Benbow, James D. (See Burner, Benbow, and Greene.)
Bencze, Joseph, and J. Romberger, Detroit, Mich. Rail-joint. No. 1,272,607; July 16; v. 252; p. 580.
Bend, Charles M., St. Paul, assignor to Minnesota Manufacturing Association, North St. Paul, Minn. Spiral chute. No. 1,270,366; June 25; v. 251; p. 712.
Bendelow, Tom, assignor to Thomas E. Wilson & Company, Chicago, Ill. Golf-ball. No. 1,265,036; May 7; v. 250; p. 46.
Bender, Alexander C., Chicago, Ill. Heating device. No. 1,263,021; Apr. 16; v. 249; p. 631.
Bender, Allan P., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Protective system for transformers. No. 1,251,738; Jan. 1; v. 246; p. 89.
Bender, David G., Blue Island, Ill. Concrete-forming apparatus. No. 1,275,121; Aug. 6; v. 253; p. 220.
Bender, Frederic H., assignor to American Steel Foundries, Chicago, Ill. Truck-pedestal. No. 1,275,644; Aug. 13; v. 253; p. 389.
Bender, George, Evansville, Ind. Submarine life-boat. No. 1,260,955; Mar. 26; v. 248; p. 968.
Bender, George E., assignor of one-third to F. G. Rapp, Chicago, Ill. Disk-record-filing device. No. 1,252,078; Jan. 1; v. 246; p. 187.
Bender, Henry W., Brooklyn, N. Y. Starting interal-combustion engines. No. 1,279,636; Sept. 24; v. 254; p. 703.
Bender, Robert C., St. Louis, Mo. Invoice-holder. No. 1,256,866; Feb. 19; v. 247; p. 589.
Bender, Robert C., St. Louis, Mo. Invoice-holder. No. 1,256,867; Feb. 19; v. 247; p. 590.
Bender, Robert C., St. Louis, Mo. Invoice-holder. No. 1,275,367; Aug. 13; v. 253; p. 314.
Bender, Robert C., St. Louis, Mo. Account or index cabinet. No. 1,279,969; Sept. 24; v. 254; p. 799.
Bender, Robert C., St. Louis, Mo. Invoice-holder. No. 1,279,970; Sept. 24; v. 254; p. 799.
Bender, Robert C., St. Louis, Mo. Invoice-holder. No. 1,279,971; Sept. 24; v. 254; p. 800.
Bender, Robert C., St. Louis, Mo. Manifolding invoice-sheets, packer's order and express receipt. No. 1,281,897; Oct. 15; v. 255; p. 546.
Bender, William, assignor to Ajax Forge Company, Chicago, Ill. Switch-stand. No. 1,273,134; July 23; v. 252; p. 753.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,256,102; Feb. 12; v. 247; p. 328.
Bendix, Vincent, Chicago, Ill. Starter for engines. No. 1,258,301; Mar. 5; v. 248; p. 102.
Bendix, Vincent, Chicago, Ill. Starter. No. 1,258,302; Mar. 5; v. 248; p. 103.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,258,303; Mar. 5; v. 248; p. 103.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,274,369; Aug. 6; v. 253; p. 5.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,274,370; Aug. 6; v. 253; p. 6.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,274,371; Aug. 6; v. 253; p. 6.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,274,373; Aug. 6; v. 253; p. 7.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,276,862; Aug. 27; v. 253; p. 794.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,287,616; Dec. 17; v. 257; p. 418.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,288,373; Dec. 17; v. 257; p. 604.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,288,477; Dec. 24; v. 257; p. 657.
Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,288,478; Dec. 24; v. 257; p. 657.
Bendix, Vincent, Chicago, Ill., and H. E. Van Ness; said Van Ness assignor of his right to Eclipse Machine Company, Elmira, N. Y. Engine-starter. No. 1,274,372; Aug. 6; v. 253; p. 7.
Bendix, Vincent, Chicago, Ill., and F. S. Ellett; said Ellett assignor to Eclipse Machine Company, Elmira, N. Y. Engine-starter. No. 1,288,476; Dec. 24; v. 257; p. 657.
Bendixen, Kristian, assignor to Skindfabriken Unicum Kr. Bendixen, P. Bendixen and Company, Copenhagen, Denmark. Tanning fish-skins. No. 1,256,974; Feb. 19; v. 247; p. 621.
Bendheim, Edmund M., New York, N. Y. Apparatus for repairing motion-picture films. No. 1,264,362; Apr. 30; v. 249; p. 1055.
Benecke, Adelbert O., Boston, Mass., assignor to General Electric Company. Dash-pot for measuring instruments. No. 1,269,519; June 11; v. 251; p. 423.
Benecke, Adelbert O., Boston, Mass., assignor to General Electric Company. Dash-pot for measuring instruments. (Reissue.) No. 14,545; Nov. 5; v. 256; p. 203.
Benedetti, Vincenzo, Palisade, N. J. Shoe-retainer. No. 1,277,177; Aug. 27; v. 253; p. 879.
Benedict, Adelbert R., South Tacoma, Wash. Punch-press for removing ax and hammer handles. No. 1,268,541; June 4; v. 251; p. 134.
Benedict, Adelbert R., South Tacoma, Wash. Combined burglar lock and alarm. No. 1,283,635; Nov. 5; v. 256; p. 52.
Benedict, Bernard, assignor to National Carbon Company, New York, N. Y. Portable electric light. No. 1,254,114; Jan. 22; v. 246; p. 857.
Benedict, Henry I., assignor of one-half to A. F. Wagner, New York, N. Y. Lifting-jack. (Reissue.) No. 14,465; Apr. 23; v. 249; p. 965.
Benedict, Mattie, Memphis, Tenn. Sanitary container-cap. No. 1,264,481; Apr. 30; v. 249; p. 1089.
Benedict, Paul M., New Haven, assignor to The Barnes & Kobert Manufacturing Company, Milldale, Conn. Insulator-bracket. No. 1,286,207; Dec. 3; v. 257; p. 6.
Benedict, William L., New York, N. Y. Puzzle. No. 1,271,997; July 9; v. 252; p. 383.
Benemelis, Lorenzo M., Pittsfield, Mass. Measuring-gage. No. 1,282,030; Oct. 22; v. 255; p. 620.
Benensohn, Samuel. (See La Chapelle and Benensohn.)
Bengough, James, Niagara Falls, N. Y., and J. F. Gaynor, Bridgeport, Conn. Autographic register. No. 1,252,385; Jan. 8; v. 246; p. 306.
Bengtson, Adolf, Holdrege, Nebr. Sickle-bar-holding device. No. 1,261,475; Apr. 2; v. 249; p. 136.
Bengtson, Martin E., Springfield, Mass. Gas-turbine. No. 1,255,852; Feb. 12; v. 247; p. 254.
Benham, Elijah B., New London, Conn., assignor to Hydrocarbon Converter Company, New York, N. Y. Gas-making apparatus. No. 1,262,576; Apr. 9; v. 249; p. 476.
Benham & Sons. (See Allensby, Charles R., assignor.)
Benitoa, Felix J., Tampa, Fla., assignor to New York Signal Co., Inc., New York, N. Y. Vehicle-signal. 1,273,990; July 30; v. 252; p. 1023.
Benitoa, Felix J., Tampa, Fla., assignor to New York Signal Company, New York, N. Y. Vehicle-signal. No. 1,281,755; Oct. 15; v. 255; p. 507.
Benjamin, Bert R. (See Raney and Benjamin.)
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Adjusting mechanism for grain-shocking machines. No. 1,257,304; Feb. 26; v. 247; p. 753.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Automatic trip for shocking-machines. No. 1,272,360; July 16; v. 252; p. 512.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester of New Jersey. Corn-harvester. No. 1,282,031; Oct. 22; v. 255; p. 621.
Benjamin, Bert R., Oak Park, Ill., assignor, by mesne assignments, to International Harvester Company. Elevating mechanism for harvesters. No. 1,288,479; Dec. 24; v. 257; p. 658.
Benjamin, Dana H., assignor to S. D. Guggenheim, Cleveland, Ohio. Gearing for washing-machines. No. 1,265,289; May 7; v. 250; p. 115.
Benjamin Eastwood Company, The. (See Adsit, George, assignor.)
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin Electric Manufacturing Company. (See Dean, William W., assignor.)
Benjamin Electric Manufacturing Company. (See Duffy, Thomas I., assignor.
Benjamin Electric Manufacturing Company. (See Harlow, Clarence B., assignor.)
Benjamin Electric Manufacturing Company. (See Norgate, George W., assignor.)
Benjamin Electric Manufacturing Company. (See Ruth, Robert H., assignor.)
Benjamin Electric Mfg. Company. (See Aldrich, Ralph J., assignor.)
Benjamin, George H., New York, N. Y. Evaporator. No. 1,255,502; Feb. 5; v. 247; p. 112.
Benjamin, George H., New York, N. Y. Extruding-machine. No. 1,258,738; Mar. 12; v. 248; p. 268.
Benjamin, George H., New York, N. Y. Method of and apparatus for dehydrating fruits, vegetables, and similar articles. No. 1,264,600; Apr. 30; v. 249; p. 1123.
Benjamin, George H., New York, N. Y. Continuous tunnel-kiln. No. 1,268,204; June 4; v. 251; p. 38.
Benjamin, George H., New York, N. Y. Blocking attachment for strip-mills. No. 1,277,029; Aug. 27; v. 253; p. 837.
Benjamin, George H., New York, N. Y. Evaporator. No. 1,280,641; Oct. 8; v. 255; p. 172.

Benjamin, George H., New York, N. Y. Tunnel-drier. No. 1,280,642; Oct. 8; v. 255; p. 172.
Benjamin, George H., New York, N. Y. Method of and apparatus for dehydrating vegetable and other substances. No. 1,284,218; Nov. 12; v. 256; p. 233.
Benjamin, George H., New York, N. Y. Evaporator. No. 1,288,480; Dec. 24; v. 257; p. 658.
Benjamin, George R., Jersey City, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Starting device for La Cour motors. No. 1,284,219; Nov. 12; v. 256; p. 233.
Benjamin, Reuben B. (See Leland, Benjamin, and Sellar.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-lamp socket. No. 1,251,739; Jan. 1; v. 246; p. 90.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Safety device for presses. No. 1,257,449; Feb. 26; v. 247; p. 793.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Carbureter. No. 1,260,956; Mar. 26; v. 248; p. 968.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Show-case-lighting device. No. 1,266,908; May 21; v. 250; p. 622.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Lamp-socket. No. 1,271,835; July 9; v. 252; p. 335.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Lamp lock-socket. No. 1,277,533; Sept. 3; v. 254; p. 55.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Gripping device. No. 1,277,534; Sept. 3; v. 254; p. 55.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Humidifier for gas-engines. No. 1,280,643; Oct. 8; v. 255; p. 172.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Humidifier for gas-engines. No. 1,281,124; Oct. 8; v. 255; p. 304.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Binding-terminal. No. 1,282,525; Oct. 22; v. 255; p. 756.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical receptacle. No. 1,284,564; Nov. 12; v. 256; p. 321.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shade-holding device. No. 1,284,994; Nov. 19; v. 256; p. 470.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Separable attachment-plug. No. 1,286,919; Dec. 10; v. 257; p. 214.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Lamp-shade. No. 1,286,920; Dec. 10; v. 257; p. 214.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric switch. No. 1,287,617; Dec. 17; v. 257; p. 418.
Benjamin, Reuben B., assignor to Benjamin-Sellar Manufacturing Company, Chicago, Ill. Aerial top. No. 1,260,957; Mar. 26; v. 248; p. 968.
Benjamin-Sellar Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin-Sellar Manufacturing Company. (See Leland, Benjamin, and Sellar, assignors.)
Benjamin, Walter R., Chinook, Mont. Check-valve. No. 1,287,618; Dec. 17; v. 257; p. 418.
Benjamin, Walter R., Chinook, Mont. Claw-hammer. No. 1,287,619; Dec. 17; v. 257; p. 419.
Benjamins, Israel, Bathbeach, assignor to A. A. Strauss, New York, N. Y. Machine for mixing flour and other materials. No. 1,268,813; June 11; v. 251; p. 230.
Benke, Charles A., assignor to National Pin Co., Detroit, Mich. Rolling device for pin-machines. No. 1,278,833; Sept. 17; v. 254; p. 461.
Benn, Alonzo N., Chicago, Ill. Combination meat-smoking trolley. No. 1,284,854; Nov. 12; v. 256; p. 395.
Benn, Alonzo N., Chicago, Ill. Combination smoking-trolley. No. 1,284,855; Nov. 12; v. 256; p. 395.
Benneche, Jens C., Christiania, Norway. Paint. No. 1,287,836; Dec. 17; v. 257; p. 474.
Benner, Edward, Los Angeles, Cal. Irrigating-valve. No. 1,287,189; Dec. 10; v. 257; p. 283.
Benner, Harvey F., and H. H. Harvey, Kenton, Ohio. Supplemental spring for vehicles. No. 1,260,131; Mar. 19; v. 248; p. 698.
Benner, Herbert P., Blaine, Wash. Saw-set. No. 1,263,191; Apr. 16; v. 249; p. 680.
Benner, Joseph C., Toledo, Ohio. Transportation system. No. 1,280,142; Oct. 1; v. 255; p. 6.
Benner, Louis C., Toledo, Ohio. Kerosene-burner. No. 1,288,807; Dec. 24; v. 257; p. 738.
Benner, Raymond C. (See French and Benner.)
Benner, Raymond C., Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company. Electric battery. No. 1,276,714; Aug. 27; v. 253; p. 756.
Benner, Raymond C., and H. F. French, Fremont, Ohio, assignors to National Carbon Company. Electric battery. No. 1,255,283; Feb. 5; v. 247; p. 48.
Benner, Raymond C., and H. F. French, Fremont, Ohio, assignors, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,289,365; Dec. 31; v. 257; p. 900.
Benner, Raymond C., and H. F. French, Fremont, Ohio, assignors, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,289,366; Dec. 31; v. 257; p. 900.
Benner, Samuel A., Pittsburgh, Pa. Car part. No. 1,265,990; May 14; v. 250; p. 338.
Benner, Samuel A., Pittsburgh, Pa. Car part. No. 1,267,498; May 28; v. 250; p. 813.
Benner, Samuel A., Pittsburgh, Pa. Truck side pedestal. No. 1,271,120; July 2; v. 252; p. 103.
Benner, Samuel A., Pittsburgh, Pa. Built-up truck side frame. No. 1,283,049; Oct. 29; v. 255; p. 928.
Bennet, Archibald, Dunedin, and T. H. Reid, South Dunedin, New Zealand. Roller-blind. No. 1,257,668; Feb. 26; v. 247; p. 859.
Bennett, Alan M. (See Florandin and Bennett.)
Bennett, Albert I., Fort Atkinson, Wis. Thermostatic circuit-closer. No. 1,263,190; Apr. 16; v. 249; p. 680.
Bennett, Albert L., Wausau, Wis. Cushioned wheel. No. 1,261,896; Apr. 9; v. 249; p. 287.
Bennett, Alfred B., and F. N. Stokes, Stokesville, Ga. Seed-planter. No. 1,278,573; Sept. 10; v. 254; p. 361.
Bennett, Arthur E., assignor to The Motor Cycle Car Corporation, Buffalo, N. Y. Car attachment for motorcycles. No. 1,283,636; Nov. 5; v. 256; p. 52.
Bennett, Arthur J., Cambridge, Ohio. Glass condiment-holder. No. 1,267,961; May 28; v. 250; p. 943.
Bennett, Ashey C., Minneapolis, Minn. Air-cleaner. No. 1,276,016; Aug. 20; v. 253; p. 524.
Bennett, Ashley C., Minneapolis, Minn. Carbureter. No. 1,260,504; Mar. 26; v. 248; p. 841.
Bennett, Charles N., Pacific Grove, Cal. Projectile. No. 1,285,599; Nov. 26; v. 256; p. 661.
Bennett, Charles S., Los Angeles, Cal. Towel-dispenser. No. 1,281,125; Oct. 8; v. 255; p. 304.
Bennett, Clarence D., Goose Creek, Tex. Hose-clamp. No. 1,266,655; May 21; v. 250; p. 553.
Bennett, Dwight W., Philadelphia, Pa. Expansion-bolt. No. 1,281,272; Oct. 15; v. 255; p. 377.
Bennett, Edward D., Pulaski, N. Y. Felt-cleaner for paper-making machines. No. 1,267,359; May 28; v. 250; p. 775.
Bennett, Elbert R., Oakland, Cal. Plow. No. 1,278,574; Sept. 10; v. 254; p. 361.
Bennett, Elbert R., assignor of one-half to H. K. Welch, Oakland, Cal. Combined heavy-oil container and pump. No. 1,288,481; Dec. 24; v. 257; p. 658.
Bennett, Erastus B., Denver, Colo. Amalgamating-pocket. No. 1,290,016; Dec. 31; v. 257; p. 1060.
Bennett, Erastus S. (See Jarmuth, Adolph J., assignor.)
Bennett, Erastus S., New York, N. Y. Screw-pump. No. 1,271,836; July 9; v. 252; p. 335.
Bennett, Eugene H. (See Logan, Charles H., assignor.)
Bennett, Frederick, Ravenswood, assignor to Walker & Bennett Manufacturing Company, New York, N. Y. Car-seat. No. 1,267,499; May 28; v. 250; p. 813.
Bennett, Frederick, Ravenswood, assignor to Walker & Bennett Manufacturing Company, New York, N. Y. Car-seat. No. 1,267,500; May 28; v. 250; p. 813.
Bennett, Howard J., Opportunity, Wash. Toy house. No. 1,258,086; Mar. 5; v. 248; p. 40.
Bennett, James E., Momence, Ill. Spring-cushion-tired wheel. No. 1,260,284; Mar. 19; v. 248; p. 741.
Bennett, Jerrell, Grapevine, Tex. Pencil-lighting attachment. No. 1,280,374; Oct. 1; v. 255; p. 73.
Bennett, John, Jr., assignor, by mesne assignments, to Economy Seat Company, Chicago, Ill. Chair. No. 1,264,259; Apr. 30; v. 249; p. 1027.
Bennett, John H., Worcester, Mass. Annealing metal. No. 1,289,092; Dec. 31; v. 257; p. 831.
Bennett, Joseph P., Duluth, Minn., assignor to Union Match Company. Match-packing machine. No. 1,280,949; Oct. 8; v. 255; p. 256.
Bennett, Joseph S., Hammondsport, N. Y. Automatic ignition-cut-out switch for aeroplanes. No. 1,267,962; May 28; v. 250; p. 944.
Bennett, Louis B., assignor to F. M. Eckman, Detroit, Mich. Multiple fuse. No. 1,266,095; May 14; v. 250; p. 368.
Bennett, Robert M. (See Crawford and Bennett.)
Bennett, Samuel L., assignor to The Vermont Farm Machine Company, Bellows Falls, Vt. Speed-indicator. No. 1,266,763; May 21; v. 250; p. 582.
Bennett, Walter R., Fort Worth, Tex. Building-tile. No. 1,289,367; Dec. 31; v. 257; p. 900.
Bennett & White. (See Edwards, Bruce V., assignor.)
Bennett, William, assignor to Caldwell Manufacturing Company, Rochester, N. Y. Sash-balance. No. 1,254,647; Jan. 29; v. 246; p. 1038.
Bennett, William G., North Ridgeville, Ohio. Tank-gage. No. 1,264,143; Apr. 30; v. 249; p. 993.
Bennett, William H., Victoria, British Columbia, Canada. Hat-block. No. 1,283,637; Nov. 5; v. 256; p. 52.
Bennett, William H., assignor of one-eigth to J. A. Carter, Calvin, Okla. Controlling mechanism for railway-trains. No. 1,258,739; Mar. 12; v. 248; p. 268.
Bennett, William T., Jr., Cope, Colo. Fence-post base. No. 1,284,565; Nov. 12; v. 256; p. 321.
Benningfield, Thomas, Alva, Okla. Device to facilitate the teaching of sight-reading. No. 1,278,425; Sept. 10; v. 254; p. 321.

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Bennis, Alfred W., Little Hulton, Bolton, England. Furnace-grate. No. 1,267,172; May 21; v. 250; p. 698.
Benoit, Ida V., Brooklyn, N. Y. Separable fastener. No. 1,254,648; Jan. 29; v. 246; p. 1039.
Benoit, Mark K., Hillhurst, Quebec, Canada. Safety door-fastener. No. 1,288,808; Dec. 24; v. 257; p. 738.
Benoit, Oliver A., Lawrence, Mass. Stretch-roll. No. 1,275,368; Aug. 13; v. 253; p. 314.
Bens, Samuel J., Herkimer, N. Y. Package-container. No. 1,254,966; Jan. 29; v. 246; p. 1134.
Bens, Samuel J., Berkeley, Cal. Link belt or chain. No. 1,259,715; Mar. 19; v. 248; p. 578.
Bens, Samuel J., Berkeley, Cal. Link belt or chain. No. 1,259,716; Mar. 19; v. 248; p. 579.
Bensinger, Norman E., Chicago, Ill. Spark-plug. No. 1,273,316; July 23; v. 252; p. 800.
Benson, Andrew, assignor to Benson Gear Company, Chicago, Ill. Gear-cutter. No. 1,258,859; Mar. 12; v. 248; p. 304.
Benson, Andrew, Chicago, Ill., assignor, by mesne assignments, to Janesville Products Company, Janesville, Wis. Vehicle. No. 1,259,592; Mar. 19; v. 248; p. 544.
Benson, Andrew, Chicago, Ill., assignor to Janesville Products Company, Janesville, Wis. Combined velocipede and go-cart. No. 1,288,809; Dec. 24; v. 257; p. 738.
Benson, Axle, and E. C. Shaw, assignors to The Crane Manufacturing Company, Galesburg, Ill. Baling-press. No. 1,251,740; Jan. 1; v. 246; p. 90.
Benson, Edward, Miami, Ariz. Check-valve. No. 1,256,648; Feb. 19; v. 247; p. 525.
Benson, Edward, Miami, Ariz. Pump. No. 1,280,134; Oct. 1; v. 255; p. 4.
Benson, Edwin P., New York, N. Y. Combined blank-check and paid-voucher holder. No. 1,271,998; July 9; v. 252; p. 383.
Benson, Emil, Jasper, Minn. Dish-drainer. No. 1,252,220; Jan. 1; v. 246; p. 225.
Benson Gear Company. (See Benson, Andrew, assignor.)
Benson, Henry M., assignor of one-half to L. G. Fixen, Los Angeles, Cal. Tire-tread. No. 1,254,464; Jan. 22; v. 246; p. 957.
Benson, Jarome F., Lorenzo, Tex. Holder for sliding doors and windows. No. 1,268,671; June 4; v. 251; p. 171.
Benson, Otis H. (See Johnson and Benson.)
Benson, Otto E., White Cloud, Kans. Combination vehicle lift and stand. No. 1,253,127; Jan. 8; v. 246; p. 524.
Benson, Robert L., Chicago, Ill. Gas-burner. No. 1,269,676; June 18; v. 251; p. 499.
Benson, Sherman S., York, Nebr. Aerial bomb-dropper. No. 1,274,501; Aug. 6; v. 253; p. 46.
Benson, Sherman S., York, Nebr. Launching apparatus for aerial torpedoes. No. 1,281,898; Oct. 15; v. 255; p. 546.
Benson, Truman H., Elliott, Ill. Attachment for automobiles. No. 1,287,620; Dec. 17; v. 257; p. 419.
Benson, Victor A., Washington, D. C. Cigar-perforator. No. 1,284,566; Nov. 12; v. 256; p. 322.
Benson, Virginia B., River Forest, Ill. Flat-iron. No. 1,269,677; June 18; v. 251; p. 499.
Benson, William J., Philadelphia, Pa. Carbureter. No. 1,260,132; Mar. 19; v. 248; p. 698.
Benthall, Jesse T., Suffolk, Va. Piston for internal-combustion engines. No. 1,267,963; May 28; v. 250; p. 944.
Bente, Henry K., Sedalia, Mo. Internal-combustion engine. No. 1,261,207; Apr. 2; v. 249; p. 60.
Bentivegna, Filippo, Boston, Mass. Coffee-pot. No. 1,279,830; Sept. 24; v. 254; p. 759.
Bentley, Charles E., New York, N. Y. Fagot stitch-seam. No. 1,262,913; Apr. 16; v. 249; p. 600.
Bentley, Edward M., Lawrence, N. Y., Gearing. No. 1,287,837; Dec. 17; v. 257; p. 474.
Bentley, Frederic W., Chicago, Ill. Protective armor for ships. No. 1,266,196; May 14; v. 250; p. 397.
Bentley, James W., Wise, Va. Bottle-neck. No. 1,271,996; July 9; v. 252; p. 383.
Bentley, Oliver D. H., West Roxbury, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Governer mechanism. No. 1,252,769; Jan. 8; v. 246; p. 418.
Bentley, Oliver D. H., assignor to B. F. Sturtevant Company, Boston, Mass. Elastic-fluid turbine. No. 1,254,465; Jan. 22; v. 246; p. 957.
Benton, D. C. (See Heath, Frank, assignor.) (Reissue.)
Benton, Earl M., assignor of one-fourth to E. J. Lippard and one-fourth to W. H. Andrew, Cheyenne, Wyo. Meat-cutting machine. No. 1,255,978; Feb. 12; v. 247; p. 291.
Benton, George W., Conneaut, Ohio. Machine for forming shovel-blades and spreading-tangs. No. 1,262,624; Apr. 16; v. 249; p. 518.
Benton, Henry C., and J. R. Vest, Huntington, W. Va. Automobile-puller. No. 1,270,104; June 18; v. 251; p. 615.
Benton, Morris F., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Automatic metal-feed for type-casting machines. No. 1,272,193; July 9; v. 252; p. 437.
Bentson, Hans J., Winthrop Harbor, assignor to F. C. Austin, Chicago, Ill. Excavating-machine; No. 1,283,460; Nov. 5; v. 256; p. 6.
Benway, Fredrick M., Montpelier, Vt., assignor to Parker Wire Goods Company, Worcester, Mass. Fruit-marker. No. 1,273,721; July 23; v. 252; p. 909.
Benzinger, Albert, assignor of one-half to W. M. Schoenle, Cincinnati, Ohio. Hose or pipe coupling. No. 1,257,785; Feb. 26; v. 247; p. 894.
Benzion, Joseph, New York, N. Y. Safety device for charged soda-water tanks. No. 1,287,838; Dec. 17; v. 257; p. 475.
Beranek, Joseph. (See Beranek, Ludwig and J.)
Beranek, Ludwig and J., Chicago, Ill. Window-seat. No. 1,252,386; Jan. 8; v. 246; p. 306.
Berbecker & Rowland Mfg. Co., The. (See Nicol, Norman C., assignor.)
Berberich, Charles, Waterbury, Conn. Pocket-lighter. No. 1,289,614; Dec. 31; v. 257; p. 961.
Berberich, Frank J., Woodhaven, N. Y. Making thermometers. No. 1,255,979; Feb. 12; v. 247; p. 292.
Berchtold, Gustave, Milwaukee, Wis. Culinary utensil. No. 1,287,839; Dec. 17; v. 257; p. 475.
Berck, Alvin R., and F. Tjaden, Hastings, Nebr. Air-compressor. No. 1,255,694; Feb. 5; v. 247; p. 167.
Berdar, Peter, New York, N. Y. Automatic door-mat. No. 1,277,834; Sept. 3; v. 254; p. 139.
Beremand, Preston G., Bay City, Mich. Vehicle-wheel hub. No. 1,288,374; Dec. 17; v. 257; p. 604.
Berend, Ludwig, Amöneburg, Germany. Manufacturing permanently fusible and soluble synthetic resins from non-fusible phenolaldehyderesins. No. 1,259,347; Mar. 12; v. 248; p. 442.
Berenstein, Frank, Chelsea, Mass. Rubber tread for boots and shoes. No. 1,281,273; Oct. 15; v. 255; p. 377.
Berenstein, Frank, Chelsea, Mass. Rubber heel. No. 1,284,995; Nov. 19; v. 256; p. 470.
Berent, Adam. (See Ehrenhardt and Berent.)
Beresford, Ignacio. (See Hutzelman and Beresford.)
Berg, Anton C., White Bear, Minn. Lawn-trimmer. No. 1,287,840; Dec. 17; v. 257; p. 475.
Berg, Christian T., Minneapolis, Minn. Candle-holder. No. 1,289,368; Dec. 31; v. 257; p. 900.
Berg, Frank H., Jr., New York, N. Y. Dispersion-gasket. No. 1,281,899; Oct. 15; v. 255; p. 546.
Berg, Frederick O., Spokane, Wash. Tent. No. 1,270,919; July 2; v. 252; p. 48.
Berg, Gorden G., Chicago, Ill. Electrically-controlled lock. No. 1,262,435; Apr. 9; v. 249; p. 436.
Berg, Hart O., Paris, France. Combined closure and delivery-controlling mechanism for deformable vessels. No. 1,283,050; Oct. 29; v. 255; p. 929.
Berg, Hart O., Paris, France. Sterilized medicinal candle and making same. No. 1,289,093; Dec. 31; v. 257; p. 831.
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric reel. No. 1,260,626; Mar. 26; v. 248; p. 877.
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric connector for dash-lamps, &c. No. 1,264,482; Apr. 30; v. 249; p. 1089.
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Sealing-strip machine. No. 1,266,197; May 14; v. 250; p. 397.
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric connector. No. 1,271,999; July 9; v. 252; p. 384.
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric connector. No. 1,274,844; Aug. 6; v. 253; p. 143.
Berg, John, and L. W. Golder, assignors to Metal Specialties Manufacturing Company, Chicago, Ill. Electric heater. No. 1,258,641; Mar. 12; v. 248; p. 241.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Pump. No. 1,264,144; Apr. 30; v. 249; p. 993.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Brush-mount for electric motors. No. 1,265,879; May 14; v. 250; p. 305.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument-board for automobiles. No. 1,273,448; July 23; v. 252; p. 837.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument-board. No. 1,273,449; July 23; v. 252; p. 837.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Automobile-bumper support. No. 1,273,450; July 23; v. 252; p. 837.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Support for light-diffusers. No. 1,281,485; Oct. 15; v. 255; p. 436.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Mounting device for instrument-boards. No. 1,283,638; Nov. 5; v. 256; p. 53.
Berg, Louis, Taylor Falls, Minn., assignor to H. Rose, Rosemont, Nebr. Traction device for vehicle-wheels. No. 1,275,369; Aug. 13; v. 253; p. 314.
Berg, Louis, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum fuel-feed device. No. 1,277,684; Sept. 3; v. 254; p. 98.
Berg, Louis, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum fuel-feed device. No. 1,277,685; Sept. 3; v. 254; p. 98.

Berg, Louis, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum fuel-feed device. No. 1,277,686; Sept. 3; v. 254; p. 98.
Berg, Oscar E., assignor to J. R. Robinson, New York, N. Y. Gasket-scraper. No. 1,289,615; Dec. 31; v. 257; p. 961.
Berg, Reuben N., Turlock, Cal. Landscape-gardener's instrument. No. 1,278,575; Sept. 10; v. 254; p. 361.
Berg, Richard O., assignor to Michigan Steel Tube Products Co., Detroit, Mich. Machine for sawing metal tubing and steel molding. No. 1,262,436; Apr. 9; v. 249; p. 437.
Berg, Sigard E. (See Rightmire and Berg.)
Berg, Sigvart C. O., Kansas City, Mo. Switch-lock. No. 1,256,767; Feb. 19; v. 247; p. 560.
Bergdoll, Louis J., Philadelphia, Pa. Internal-combustion engine. No. 1,271,419; July 2; v. 252; p. 185.
Bergen, Abram S., Huntington, N. Y. Carbureter. No. 1,258,389; Mar. 5; v. 248; p. 127.
Bergen, George B., Springfield, Ohio. Tent-peg. No. 1,252,387; Jan. 8; v. 246; p. 307.
Bergen, Harry S. (See Emig, Walter R., assignor.)
Bergen, Paul, Richwood, Wis. Life-belt. No. 1,284,220. Nov. 12; v. 256; p. 234.
Bergen Point Iron Works. (See Smith, Augustus, assignor.)
Bergendahl, Sven J. F., Gottenborg, Sweden. Manifold recording book or pad. No. 1,256,868; Feb. 19; v. 247; p. 590.
Bergendorf, Ferdinand. (See Anderson and Bergendorf.)
Bergens, William J., assignor to Universal Faucet Company, Muskegon, Mich. Universal faucet. No. 1,268,316; June 4; v. 251; p. 70.
Berger, Arthur. (See Remy and Berger.)
Berger, August, *et al.* (See Layman, William, assignor.)
Berger Bros. Co., The. (See Berger, Darwin S., assignor.)
Berger, Charles V., Ravenna, Tex. Plowing-machine. No. 1,289,094; Dec. 31; v. 257; p. 832.
Berger, Christian, assignor to Submarine Wireless Company, New York, N. Y. Sound-operated toy or instrument. No. 1,279,831; Sept. 24; v. 254; p. 760.
Berger, Darwin S., assignor to The Berger Bros. Co., New Haven, Conn. Corset. No. 1,257,066; Feb. 19; v. 247; p. 648.
Berger, Frederick J. (See Ketch and Berger.)
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Machine for flattening seams. No. 1,279,832; Sept. 24; v. 254; p. 760.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,281,900; Oct. 15; v. 255; p. 547.
Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,264,885; May 7; v. 250; p. 4.
Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,267,621; May 28; v. 250; p. 848.
Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,274,666; Aug. 6; v. 253; p. 94.
Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine for covering seams. No. 1,277,535; Sept. 3; v. 254; p. 56.
Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Throat-plate for sewing-machines. No. 1,283,639; Nov. 5; v. 256; p. 53.
Berger, Joseph G. (See Hauser, John A., assignor.)
Berger, Knute, Seattle, Wash. Hook. No. 1,289,616; Dec. 31; v. 257; p. 962.
Berger Manufacturing Company, The. (See Haines Charles, assignor.)
Berger Manufacturing Company, The. (See Stroebe, Ernest C., assignor.)
Berger, Ole L., Port Edwards, Wis., and H. Guettler, Escanaba, Mich., assignors to American Barking Drum Company, Chicago, Ill. Apparatus for removing and recovering bark. No. 1,253,340; Jan. 15; v. 246; p. 615.
Berger, Ole L., Port Edwards, Wis., and H. Guettler, assignors to Fiber Making Processes, Chicago, Ill. Wood-soaking tower. No. 1,283,051; Oct. 29; v. 255; p. 929.
Berger, Simon, New York, N. Y. Window-shade. No. 1,277,030; Aug. 27; v. 253; p. 838.
Bergeron, Edward F., Snohomish, Wash. Cabinet for phonograph-records. No. 1,257,970; Mar. 5; v. 248; p. 6.
Bergeron, Jasmin P., Pasadena, Cal. Rotary internal-combustion engine. No. 1,272,698; July 16; v. 252; p. 607.
Bergeron, Louis E. (See Brinck, Hans, assignor.)
Bergeron, Napoléon, assignor of twenty-eight one-hundredths to J. U. Gervais, twenty one-hundredths to D. Valiquette, and sixteen one-hundredths to A. A. Lortie, Montreal, Quebec, Canada. Combined electric heater and boiler. No. 1,258,642; Mar. 12; v. 248; p. 241.
Bergers, Martin, assignor, by mesne assignments, of one-half to P. Hoek, Grand Rapids, Mich. Direction-indicating device. No. 1,259,953; Mar. 19; v. 248; p. 649.
Bergevin, George P., Utica, N. Y. Line-reel. No. 1,272,361; July 16; v. 252; p. 512.
Berggren, Gustaf, Brooklyn, N. Y. Expansible annular packing. No. 1,283,461; Nov. 5; v. 256; p. 6.
Bergin, James E. (See Barrall, George, assignor.)
Bergius, Friedrich, and J. Billwiller, Hanover, Germany. Producing liquid or soluble organic combinations from hard coal and the like. No. 1,251,954; Jan. 1; v. 246; p. 151.
Bergkvist, Gustaf, Mosquero, N. Mex. Tire-shoe. No. 1,273,135; July 23; v. 252; p. 754.
Bergland, Carl, assignor to Gulbransen-Dickinson Company, Chicago, Ill. Tempo-lever mechanism for automatic playing-pianos. No. 1,276,314; Aug. 20; v. 253; p. 607.
Berglund, Edward S., Trollhättan, Sweden. Electrothermic extraction of zinc. No. 1,271,267; July 2; v. 252; p. 145.
Berglund, Nils G., Vedeväg, Sweden. Drill-chuck. No. 1,265,707; May 7; v. 250; p. 226.
Berglund, Sven A:son, Stockholm, Sweden. Increasing the capacity of photosensitive electrical cells. No. 1,289,369; Dec. 31; v. 257; p. 900.
Bergman, Frederick H., Newton, Iowa. Washing-machine. No. 1,287,621; Dec. 17; v. 257; p. 419.
Bergman, Guy H., Tanana, Alaska. Combined shaft-log, stuffing-box, and adjustable bearing. No. 1,276,613; Aug. 20; v. 253; p. 691.
Bergman, Johan O., Stockholm, Sweden. Rotary engine and the like. No. 1,262,437; Apr. 9; v. 249; p. 437.
Bergman, John, Des Moines, Iowa. Gasolene-stove shield attachment. No. 1,273,317; July 23; v. 252; p. 801.
Bergman, Julius G., El Paso, Tex. Tube-mill. No. 1,280,375; Oct. 1; v. 255; p. 73.
Bergman, Justus S., Stockholm, Sweden. Method of printing. No. 1,277,835; Sept. 3; v. 254; p. 139.
Bergman, Otto M., Rochester, N. Y. Hydroaeroplane. No. 1,263,192; Apr. 16; v. 249; p. 680.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,257,177; Feb. 19; v. 247; p. 679.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,257,178; Feb. 19; v. 247; p. 679.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,265,594; May 7; v. 250; p. 196.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,266,388; May 14; v. 250; p. 446.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,287,190; Dec. 10; v. 257; p. 283.
Bergman, Sven R., Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,267,838; May 28; v. 250; p. 910.
Bergman, Wilhelm, Arlington, N. J., assignor to B. & B. Photo Co. Photographic washing apparatus or tank. No. 1,265,291; May 7; v. 250; p. 115.
Bergmann, Carl, Jr., West Hoboken, N. J. Automatic clutching or starting device. No. 1,254,196; Jan. 22; v. 246; p. 881.
Bergmann, Frederich H. D., St. Louis, Mo. Locking mechanism. No. 1,264,757; Apr. 30; v. 249; p. 1163.
Bergmann, John. (See Bredel and Bergmann.)
Bergmann, John A., St. Louis, Mo. Combined dispensing and applying device. No. 1,260,627; Mar. 26; v. 248; p. 877.
Bergner, Adolf, Berne, Switzerland. Wire-cutter. No. 1,252,537; Jan. 8; v. 246; p. 351.
Bergquist, Carl, assignor to F. W. Tunnell & Co., Inc., Philadelphia, Pa. Vegetable glue or adhesive. No. 1,287,841; Dec. 17; v. 257; p. 475.
Bergren, Charles H. (See McKinnon and Bergren.)
Bergstrom, Carl G. G., St. Paul, Minn. Bag-holder. No. 1,271,653; July 9; v. 252; p. 286.
Bergstrom, Carl O., assignor to B. F. Sturtevant Company, Boston, Mass. Lubrication. No. 1,265,991; May 14; v. 250; p. 339.
Bergstrom, Edwin N., East Lynn, Mass. Automobile-wheel. No. 1,274,974; Aug. 6; v. 253; p. 179.
Bergstrom, Frank S. (See Hamil, Vensel and Bergstrom.)
Bergström, Hilding O. V., Stockholm, Sweden. Distilling pyroligneous acid. No. 1,261,344; Apr. 2; v. 249; p. 100.
Bergström, Hilding O. V., Stockholm, Sweden. Distilling liquid mixtures or solutions. No. 1,271,654; July 9; v. 252; p. 286.
Bergstrom, Oscar, assignor to Handy Manufacturing Company, Chicago, Ill. Clamping-machine. No. 1,273,136; July 23; v. 252; p. 754.
Bergve, Einar, Notodden, assignor to Norsk Hydro-elektrisk Kvaelstofaktieselskab, Christiania, Norway. Manufacture of nitric acid. No. 1,273,991; July 30; v. 252; p. 1023.
Bergve, Einar, and J. Sundby, assignors to Norsk Hydro-elektrisk Kvaelstofaktieselskab, Christiania, Norway. Treatment of nitrate of ammonia. No. 1,263,363; Apr. 23; v. 249; p. 747.

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Bergwardt, Max A., Elizabeth, N. J. Picot-edging attachment. No. 1,264,886; May 7; v. 250; p. 4.
Berk, Louis, Alstown, Wash. Wheel-pulling jack. No. 1,257,786; Feb. 26; v. 247; p. 894.
Berkenkamp, Russell. (See Briggs and Jenkins, assignors.)
Berkey, Harvey C., Claremont, N. H., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,284,174; Nov. 5; v. 256; p. 194.
Berklite, Alonzo H., assignor of one-half to J. B. Eader, Waynesboro, Pa. Metallic railway-tie. No. 1,251,624; Jan. 1; v. 246; p. 54.
Berklite, Alonzo H., assignor of one-half to J. B. Eader, Waynesboro, Pa. Metallic tie for railways. No. 1,261,095; Apr. 2; v. 249; p. 30.
Berkner, Edward F. (See Mangel, Wallie C., assignor.)
Berko, Emile, assignor to C. Jaeger, Brooklyn, N. Y. Bath-room fixture. No. 1,272,899; July 16; v. 252; p. 664.
Berkovec, James H., Chicago, Ill. Mop-head. No 1,280,135; Oct. 1; v. 255; p. 4.
Berkstresser, Robert H., York, Pa. Moistener for cigar-boxes. No. 1,283,052; Oct. 29; v. 255; p. 929.
Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft. (See Barth, Kurt E., assignor.)
Berlin, David W., Stockholm, and O. E. Hultberg, Guldsmedshyttan, Sweden. Steering device for motor-propelled plows. No. 1,262,625; Apr. 16; v. 249; p. 518.
Berlin, Frank E., assignor to R. L. Miller, Spokane, Wash. Briquet-making machine. No. 1,282,370; Oct. 22; v. 255; p. 714.
Berlin, George C., and C. H. Sebree, Caldwell, Idaho Vehicle-wheel. No. 1,274,667; Aug. 6; v. 253; p. 94.
Berlin, John A., Tripoli, Iowa. Portable power plant. No. 1,282,526; Oct. 22; v. 255; p. 756.
Berlin Mills Company. (See Parker, Howard, assignor.)
Berlin, Paul, Hoboken, N. J., assignor to The Kny-Scheerer Corporation. Cross-bridge X-ray machine. No. 1,273,812; July 30; v. 252; p. 972.
Berman, Harry, Brooklyn, N. Y. Automatic sash-lock. No. 1,272,900; July 16; v. 252; p. 665.
Berman, Lottie T. (See Berman, Nathan, assignor.)
Berman, Nathan, assignor to L. T. Berman, Philadelphia, Pa. Track-liner. No. 1,273,569; July 23; v. 252; p. 870.
Berman, Oscar A., Cincinnati, Ohio. Overall and suspenders. No. 1,252,221; Jan. 1; v. 246; p. 226.
Berman, Oscar A., Cincinnati, Ohio. Overall and suspenders. No. 1,256,768; Feb. 19; v. 247; p. 560.
Bermingham, John C., Kansas City, Mo. Paper-roll protector. No. 1,253,128; Jan. 8; v. 246; p. 524.
Bernal, D. F. (See Rios, Thomas, assignor.)
Bernard, Barney, Detroit, Mich. Hood. No. 1,263,362; Apr. 23; v. 249; p. 746.
Bernard, Barney, Detroit, Mich. Hood. No. 1,263,514; Apr. 23; v. 249; p. 790.
Bernard, Joseph, *et al.* (See Bisaillon, Zenophile, assignor.)
Bernard and Leas Manufacturing Company. (See Churchill, Edwin P., assignor.)
Bernard, Philip, Sioux City, Iowa. Skylight-window for hog-houses. No. 1,286,508; Dec. 3; v. 257; p. 81.
Bernard, Thomas T., St. Louis, Mo. Piston-ring. No. 1,261,897; Apr. 9; v. 249; p. 287.
Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Means for applying fasteners. No. 1,274,234; July 30; v. 252; p. 1092.
Bernardin, Alfred L., Evansville, Ind. Sealing bottles. No. 1,278,576; Sept. 10; v. 254; p. 362.
Bernardin, Alfred L., Evansville, Ind. Bottle-cap. No. 1,287,191; Dec. 10; v. 257; p. 284.
Bernat, Raoul, Bordeaux, France. Pneumatic spring system. No. 1,273,813; July 30; v. 252; p. 972.
Bernau, Arthur C., Kadoka, S. D. Blotter and scratch-pad holder. No. 1,286,208; Dec. 3; v. 257; p. 6.
Bernert, George, Milwaukee, Wis. Pneumatic grain-elevator. No. 1,263,364; Apr. 23; v. 249; p. 747.
Bernert, George, Milwaukee, Wis. Conveyer. No. 1,264,601; Apr. 30; v. 249; p. 1123.
Bernet, John. (See Miller, Ephraim, assignor.)
Bernhard, Charles F. and H. J., Pasadena, Cal. Lubricating system for internal-combustion engines. No. 1,277,178; Aug. 27; v. 253; p. 879.
Bernhard, Harry H., Oakland, Cal. Helicopter. No. 1,278,295; Sept. 10; v. 254; p. 288.
Bernhard, Harry J. (See Bernhard, Charles F. and H. J.)
Bernhard, Richard, Milwaukee, Wis., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, New York, N. Y. Crusher. No. 1,256,289; Feb. 12; v. 247; p. 384.
Bernhardt, Charles, Fitchburg, Mass. Signal device for fishing-lines. No. 1,264,000; Apr. 23; v. 249; p. 923.
Bernhardt, Henry L., Milwaukee, Wis. Direction-signal. No. 1,286,509; Dec. 3; v. 257; p. 81.
Bernheim, Elbridge P., Oakley, assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Movable chute. No. 1,267,839; May 28; v. 250; p. 910.
Bernheim, Morris U., Cincinnati, assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Conveying system. No. 1,278,426; Sept. 10; v. 254; p. 321.
Bernheim, Morris U., assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Conveying mechanism. No. 1,278,577; Sept. 10; v. 254; p. 362.
Bernheim, Morris U., Louisville, Ky., assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Conveyer. No. 1,280,950; Oct. 8; v. 255; p. 256.
Berns, Charles H., assignor to J. W. Surbrug, New York, N. Y. Vending-machine. No. 1,284,045; Nov. 5; v. 256; p. 159.
Berns, Edward H., and [illegible]. Danz, Monroe, Mich. Toaster. No. 1,270,592; June 25; v. 251; p. 776.
Bernson, Charles W., Habana, Cuba. Sugar-cane cultivator. No. 1,260,746; Mar. 26; v. 248; p. 912.
Bernson, Victor E., Salem, Mass. Ladder-rigging. No. 1,269,369; June 11; v. 251; p. 384.
Bernstein, Barnet, Toronto, Ontario, Canada. Eye for dolls. No. 1,261,208; Apr. 2; v. 249; p. 61.
Bernstein, Bernard J. (See Crandon and Bernstein.)
Bernstein Manufacturing Company. (See Weaver, William A., assignor.)
Bernstein, Marks M. (See Crandon and Bernstein.)
Berold, Frederick H., Wyoming, Ohio. Sheet-delivery mechanism. No. 1,272,362; July 16; v. 252; p. 512.
Berriex, Jean F. (See Chiron and Berriex.)
Berrill, Thomas F. (See Gogay and Berrill.)
Berrill, Thomas F., and H. R. Gogay, Columbus, Ohio. Door and window construction. No. 1,287,622; Dec. 17; v. 257; p. 419.
Berriman, Edward C., Chicago, Ill. Measuring instrument. No. 1,254,197; Jan. 22; v. 246; p. 881.
Berriman, Edward C., Chicago, Ill. Shoulder-yoke. No. 1,268,084; June 4; v. 251; p. 4.
Berry, Arthur F., Ealing, England, assignor to General Electric Company. Electric heating device. No. 1,267,173; May 21; v. 250; p. 698.
Berry, Arthur F., London, England, assignor to General Electric Company. Electric heating device. No. 1,287,192; Dec. 10; v. 257; p. 284.
Berry, Arthur F., Ealing, England, assignor to General Electric Company. Heating system. No. 1,289,617; Dec. 31; v. 257; p. 962.
Berry, Benjamin F., assignor to The Berry Machine Company, St. Louis, Mo. Clamping device. No. 1,279,972; Sept. 24; v. 254; p. 800.
Berry Brothers. (See Griem, Otto C., assignor.)
Berry, Charles A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door check and closer. No. 1,254,877; Jan. 29; v. 246; p. 1111.
Berry, Edward F., New Orleans, La. Flexible pipe-coupling or flexible pipe. No. 1,255,577; Feb. 5; v. 247; p. 135.
Berry, Elmer F., Marion, Ohio. Mold for applying rubber soles to boots and shoes. No. 1,256,649; Feb. 19; v. 247; p. 525.
Berry, Frank E., *et al.* (See Berry, James E., assignor.)
Berry, George W., Lorna Doone, New South Wales, Australia. Opener and closure for cans. No. 1,271,533; July 9; v. 252; p. 251.
Berry, George W., Bangor, Me. Heel attachment. No. 1,286,209; Dec. 3; v. 257; p. 6.
Berry, Harry J., assignor of one-fourth to W. W. George, Portland, Oreg. Spark-plug. No. 1,253,570; Jan. 15; v. 246; p. 682.
Berry, James E., assignor of one-third to F. E. Berry and one-third to R. C. Berry, Indinanapolis, Ind. Foot and leg rest. No. 1,262,006; Apr. 9; v. 249; p. 317.
Berry, James W. (See McKnight and Berry.)
Berry, John F., Lufkin, Tex. Folding coach-step. No. 1,252,993; Jan. 8; v. 246; p. 484.
Berry, John F., Lewis, Iowa. Internal-combustion engine. No. 1,258,524; Mar. 5; v. 248; p. 168.
Berry, Louis H., Minneapolis, Minn. Automobile jack and lock. No. 1,279,500; Sept. 24; v. 254; p. 664.
Berry, Louis H., Minneapolis, Minn. Tire-signal. No. 1,281,274; Oct. 15; v. 255; p. 377.
Berry, Louis H., Minneapolis, Minn. Automobile-jack. No. 1,281,275; Oct. 15; v. 255; p. 377.
Berry, Louis J., Forney, Tex. Cotton-harvester. No. 1,273,814; July 30; v. 252; p. 973.
Berry Machine Company, The. (See Berry, Benjamin F., assignor.)
Berry, Robert C., *et al.* (See Berry, James E., assignor.)
Berry, Robert C., Indianapolis, Ind. Band-saw. No. 1,287,193; Dec. 10; v. 257; p. 284.
Berry, William D., New Brighton, Pa. Bearing alloy. No. 1,286,921; Dec. 10; v. 257; p. 214.
Berry, Zeb V., Norfolk, Va. Gate-latch. No. 1,267,309; May 21; v. 250; p. 732.
Berryman, Grover C., assignor of forty-five one-hundredths to C. A. Jones, Los Angeles, Cal. Inner tube for automobile-tires. No. 1,279,228; Sept. 17; v. 254; p. 566.
Berryman, Joseph W., assignor of one-half to M. A. Simons, Gardena, Cal. Saw-handle. No. 1,264,145; Apr. 30; v. 249; p. 994.
Berschert, John G. (See Kaempf, Ludwig W., assignor.)
Berson, Nathan, New York, assignor to Irving Iron Works Co., Long Island City, N. Y. Grating for structural purposes. No. 1,264,758; Apr. 30; v. 249; p. 1164.
Berson & Schloss. (See Adler, Herman, assignor.)
Berst, Charles, Chicago, Ill. Razor-blade holder. No. 1,257,179; Feb. 19; v. 247; p. 680.

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Bersted, Martin, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Cover-support for phonographs. No. 1,265,874; May 14; v. 250; p. 305.
Bert, Celest O., Winooski, Vt. Hand-operated drill. No. 1,267,174; May 21; v. 250; p. 699.
Berthold, Mart, Olex, Oreg. Portable detachable tongue for harvesters. No. 1,284,567; Nov. 12; v. 256; p. 322.
Bertin, Isaac, New York, N. Y. Vegetable-grater. No. 1,255,379; Feb. 5; v. 247; p. 77.
Bertin, Isaac, New York, N. Y. Starting mechanism for power-shafts. No. 1,281,486; Oct. 15; v. 255; p. 436.
Bertocchi, Salvatore, Newark, N. J. Wind musical instrument. No. 1,252,653; Jan. 8; v. 246; p. 385.
Bertolini, Giuseppe, and T. Cappelletti, assignors of one-eighth to F. De Luca, one-eighth to P. Manna, one-eighth to G. Manna, one-eighth to R. Capocci, one-eighth to V. Potuto, and one-eighth to C. Ippolito, Chicago, Ill. Window-washing device. No. 1,259,479; Mar. 19; v. 248; p. 512.
Bertram, Anton, Westfield, N. J. Guard for tires. No. 1,267,360; May 28; v. 250; p. 775.
Bertram, Francis C., Portland, N. Y. Basket-handle. No. 1,254,967; Jan. 29; v. 246; p. 1135.
Bertram, Henry W. (See Carnahan, Williams, and Bertram.)
Bertrand, Frederic E., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on insoles. No. 1,272,901; July 16; v. 252; p. 665.
Bertrand, Frederic E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making reinforced insoles. No. 1,272,902; July 16; v. 252; p. 665.
Bertrand, Joseph T., Isle Verte, Quebec, Canada. Knock-down isothermal shipping-box. No. 1,267,840; May 28; v. 250; p. 941.
Bertrom, Griscom & Co. (See Thompson, Uldric, Jr., assignor.)
Bertsch, George A., Providence, R. I. Rotary reversible motor. No. 1,262,164; Apr. 9; v. 249; p. 361.
Bertsch, George A., Providence, R. I. Reversible rotary motor. No. 1,263,639; Apr. 23; v. 249; p. 824.
Bertsch, John C., Edgewood Park, Pa. Process of and apparatus for refrigeration. No. 1,265,037; May 7; v. 250; p. 47.
Bertucci, Peter J., Cliffside, N. J. Toy. No. 1,253,772; Jan. 15; v. 246; p. 741.
Bertwell, Elgin B., Beaver City, Okla. Clothes-line stretcher and support. No. 1,262,914; Apr. 16; v. 249; p. 601.
Berwick, John W., (See Shaw and Berwick.)
Bery, Henry J., Detroit, Mich. Air-compressor. No. 1,259,593; Mar. 19; v. 248; p. 544.
Besaw, Willie O., and A. E. McClanahan, Reedley, Cal. Hand-stamp. No. 1,282,173; Oct. 22; v. 255; p. 661.
Bescher, John C., *et al.* (See Hoover, John L., assignor.)
Bescher, Kenneth A., Fort Dodge, Iowa. Hanging bracket. No. 1,282,174; Oct. 22; v. 255; p. 661.
Beshgeturian, Puzant, Cambridge, Mass. Massage device. No. 1,281,487; Oct. 15; v. 255; p. 436.
Bess, Elijah, Dean, Mont. Automatic train-stop. No. 1,286,510; Dec. 3; v. 257; p. 81.
Besse, Edward L., Fairhaven, Mass. Warping-beam. No. 1,265,292; May 7; v. 250; p. 116.
Bessemer Gas Engine Company. (See Ellis, Lewis M., assignor.)
Bessemer Gas Engine Company. (See Shepherd, Harold F., assignor.)
Bessesen, Alfred N., Minneapolis, Minn. Draft appliance. No. 1,259,205; Mar. 12; v. 248; p. 402.
Bessette, Francis P., Wichita, Kans. Illuminated changeable exhibitor. No. 1,289,095; Dec. 31; v. 257; p. 832.
Bessiére, Gustave. (See Viven and Bessiére.)
Best, Arthur T. (See Wadhams and Best.)
Best, Harry A. (See Wiedenhoeft, Arthur E., assignor.)
Best, James E. R., Boyceville, Wis. Lumber-measuring instrument. No. 1,275,370; Aug. 13; v. 253; p. 314.
Best, John A., Augusta, Ga. Card for indexes. No. 1,278,834; Sept. 17; v. 254; p. 462.
Best, Otto, San Francisco, Cal. Feed device for water-softeners. No. 1,276,315; Aug. 20; v. 253; p. 607.
Best, William N., Brooklyn, N. Y. Incinerator. No. 1,281,488; Oct. 15; v. 255; p. 436.
Best, William N., Brooklyn, N. Y. Furnace for annealing or heat treating. No. 1,281,489; Oct. 15; v. 255; p. 437.
Best, William N., assignor of one-fourth to C. Wupper, Brooklyn, and one-fourth to C. W. Fairbank, New York, N. Y. Safety-signal for vehicles. (Reissue.) No. 14,505; Aug. 20; v. 253; p. 714.
Bestwell Manufacturing Company. (See Armstrong, Morgan K., assignor.)
Bet, Maxim M., West Moose Jaw, Saskatchewan, Canada. Weapon. No. 1,268,205; June 4; v. 251; p. 38.
Betham, William R., Chicago, Ill. Resilient pneumatic inner-tube tire. No. 1,260,304; Mar. 26; v. 248; p. 781.
Bethel, Lem M., Mountainair, N. Mex. Insect-trap. No. 1,283,053; Oct. 29; v. 255; p. 930.
Bethenod, Joseph. (See Latour and Bethenod.)
Bethenod, Joseph, Paris, France. Generator of sustained electric oscillations. No. 1,257,971; Mar. 5; v. 248; p. 6.
Betheuser, Fredrick E., Yonkers, N. Y. Comb attachment. No. 1,286,870; Dec. 3; v. 257; p. 162.
Bethke, John P., assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic pulley-separator. No. 1,286,511; Dec. 3; v. 257; p. 81.
Bethke, Leo, assignor to Luther Grinder Manufacturing Company, Milwaukee, Wis. Clamping-vise. No. 1,271,009; July 2; v. 252; p. 73.
Bethlehem Shipbuilding Corporation. (See Warriner, Robert, assignor.)
Bethlehem Steel Company. (See Fleckenstein, Joseph P., assignor.)
Bethlehem Steel Company. (See Lewis, Shimer, and Thomas, assignors.)
Bethlehem Steel Company. (See Lewis and Thomas, assignors.)
Bethlehem Steel Company. (See Paris, Percy G., assignor.)
Bethune, Walton K., Lumberton, N. C. Traction device. No. 1,284,221; Nov. 12; v. 256; p. 234.
Betson Plastic Fire Brick Co. (See Jewell, Frank J., assignor.)
Bettendorf Company, The. (See Reading, Arthur K., assignor.)
Bettendorf Company, The. (See Yerk, Henry H., assignor.)
Bettger, Carl J., Gravelbourg, Saskatchewan, Canada. Gate-latch. No. 1,271,655; July 9; v. 252; p. 286.
Bettinardi, Anton, Hoboken, N. J. Collapsible ironing-table. No. 1,256,197; Feb. 12; v. 247; p. 358.
Bettinardi, Isidoro, and A. Talpo, Chicago, Ill. Automatic electrically-operated railway-gate. No. 1,269,043; June 11; v. 251; p. 291.
Betts, Anson G., Asheville, N. C. Electrodeposition of metals. No. 1,252,654; Jan. 8; v. 246; p. 385.
Betts, Anson G., Asheville, N. C. Treatment of zinc-bearing material containing iron. No. 1,259,594; Mar. 19; v. 248; p. 544.
Betts, Anson G., Stockhouse, N. C. Separating minerals by flotation. No. 1,286,922; Dec. 10; v. 257; p. 214.
Betts, Arthur L. (See Davis and Betts.)
Betts, Benjamin B., St. Louis, Mo. Switch-point rail. No. 1,252,538; Jan. 8; v. 246; p. 351.
Betts, Benjamin B., St. Louis, Mo. Railway-switch. No. 1,254,304; Jan. 22; v. 246; p. 912.
Betts, Edgar H., assignor to Earl & Wilson, Troy, N. Y. Collar. No. 1,282,729; Oct. 29; v. 255; p. 839.
Betts, Farron S., New York, N. Y., assignor to Victor Talking Machine Company. Album for holding talking-machine records. No. 1,287,842; Dec. 17; v. 257; p. 475.
Betts, George, and E. C. Corey, assignors of sixty-five one-dredths to said Betts, fifteen one-hundredths to J. P. Arnold, and twenty one-hundredths to J. F. Brooks, Richmond, Cal. Folding stand for motor-cycles. No. 1,254,624; Jan. 22; v. 246; p. 1003.
Betts, Norman D. (See Tiemann and Betts.)
Betulander, Gotthilf A., Södertörns Villastad, Sweden. Impulse-transmitter for automatic telephone systems. No. 1,257,180; Feb. 19; v. 247; p. 680.
Betulander, Gotthilf A., Södertörns Villastad, Sweden, and N. G. Palmgren, assignors to The Relay Automatic Telephone Company, Limited, London, England. Automatic or semi-automatic telephone-exchange system. No. 1,251,955; Jan. 1; v. 246; p. 151.
Betz, Harry D., Kansas City, Mo. Automatic wireless apparatus for preventing collisions. No. 1,266,389; May 14; v. 250; p. 447.
Beugler, Edwin F., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y. Machine for locking metal hoops. No. 1,286,210; Dec. 3; v. 257; p. 6.
Beum, Stephen D., Detroit, Mich. Truck. No. 1,257,787; Feb. 26; v. 247; p. 894.
Beusch, Hermann, Lübeck, Germany. Bearing-shell or bearing-box. No. 1,276,614; Aug. 20; v. 253; p. 692.
Beutlich, Richard F., assignor to The 20th Century Machinery Company, Chicago, Ill. Pasteurizing apparatus. No. 1,251,465; Jan. 1; v. 246; p. 4.
Bevan, Alexander P., Tavistock, England. Solder or the like and preparing the same. No. 1,281,126; Oct. 8; v. 255; p. 304.
Bevan, John T. (See Bevan, Thomas C. and J. T.)
Bevan, Thomas C. and J. T., Utica, N. Y. Gage. No. 1,272,363; July 16; v. 252; p. 513.
Bever, Hobart A. (See Weidman and Bever.)
Bever, Roy, Centralia, Wash. Swivel-hook. No. 1,252,222; Jan. 1; v. 246; p. 226.
Beveridge, George P., *et al.* (See Henning, Bruno W., assignor.)
Bevington, Edward, Hamilton, Ohio. Automobile-carried signal mechanism. No. 1,251,625; Jan. 1; v. 246; p. 54.
Bevis, Lonnie A., Roanoke, Ala. Boll-weevil exterminator. No. 1,254,649; Jan. 29; v. 246; p. 1039.
Bewan, James O., Onley, Va. Carbid-feed for acetylene-generators. No. 1,271,420; July 2; v. 252; p. 186.
Bewan, James O., Onley, Va. Pull-rod attachment. No. 1,287,843; Dec. 17; v. 257; p. 476.

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Bewley, Claude G., Spokane, Wash., assignor to Spokane Concrete Flower Pot Machine Co., Inc. Tamping mechanism. No. 1,278,835; Sept. 17; v. 254; p. 462.
Bewsic, William W., Little Silver, N. J. Assembling-machine. No. 1,279,833; Sept. 24; v. 254; p. 760.
Bewsic, William W., Red Bank, N. J. Preliminary assembling of garter-pads. No. 1,281,276; Oct. 15; v. 255; p. 378.
Bewyer, Frank E. (See Orvold, Oluf L., assignor.)
Bey, George, Jersey City, N. J. Rotary pump. No. 1,276,615; Aug. 20; v. 253; p. 692.
Bey, George, Jersey City, N. J. Rotary pump. No. 1,287,844; Dec. 17; v. 257; p. 476.
Beydler, Omar L., St. Augustine, Fla. Sighting attachment for squares. No. 1,264,146; Apr. 30; v. 249; p. 994.
Beyer, Albert F., and A. C. Roth, Philadelphia, Pa. Toy. No. 1,258,643; Mar. 12; v. 248; p. 242.
Beyer, Bertrand E., Hoboken, N. J. Safety attachment and locking device for power-presses. No. 1,258,525; Mar. 5; v. 248; p. 168.
Beyer, Walter F. J. (See Brusch and Beyer.)
Beyerle, Gottlob W., Skiatook, Okla. Pencil-sharpener. No. 1,256,198; Feb. 12; v. 247; p. 358.
Beyle, Erwin T., Colorado Springs, Colo. Embalming-stand. No. 1,261,755; Apr. 9; v. 249; p. 248.
Beymer, Adelbert S., Kansas City, Mo. Cultivator. No. 1,276,017; Aug. 20; v. 253; p. 524.
Beynon, Rees, Chicago, Ill., assignor to The Mechanical Rubber Company. Method and apparatus for making hollow rubber articles. No. 1,277,179; Aug. 27; v. 253; p. 880.
Bezoier, Alexis E., Minneapolis Minn. Display-cabinet. No. 1,264,602; Apr. 30; v. 249; p. 1123.
Bhisey, Shanker A., assignor to R. Tata, London, England. Loom-shuttle. No. 1,284,568; Nov. 12; v. 256; p. 322.
Bianchi, Attilio, New York, N. Y. Submarine. No. 1,276,863; Aug. 27; v. 253; p. 794.
Bianchi, Zaverio C., San Jose, Cal. Chalking device for billiard-tables. No. 1,270,775; July 2; v. 252; p. 6.
Bianchin, Giuseppe, Treviso, Italy. Sulfur-spray apparatus. No. 1,254,968; Jan. 29; v. 246; p. 1135.
Bianco, Guy M. A., Denver, Colo. Hood-holder. No. 1,271,121; July 2; v. 252; p. 103.
Biava, Louis, West Hoboken, N. J. Transmission-gear for motor-vehicles. No. 1,287,194; Dec. 10; v. 257; p. 284.
Bibbee, Walter, Spokane, Wash. Internal-combustion engine. No. 1,278,836; Sept. 17; v. 254; p. 462.
Bibby, Thomas H., Denver, Colo. Acetylene-gas lamp. No. 1,277,286; Aug. 27; v. 253; p. 906.
Bickel, Carl B., Buffalo, N. Y. Fastening device. No. 1,257,788; Feb. 26; v. 247; p. 895.
Bickel, Henry F., Plainfield, N. J. Triple valve. No. 1,267,362; May 28, v. 250; p. 775.
Bickel, James T., Mountain View, Mo. Dispensing device. No. 1,282,731; Oct. 29; v. 255; p. 839.
Bicker, Edgar B., St. Louis, Mo. Self-closing container. No. 1,274,374; Aug. 6; v. 253; p. 7.
Bickerton, Spencer, Honolulu, Hawaii. Stamp-book holder. No. 1,257,789; Feb. 26; v. 247; p. 895.
Bickerton, Spencer, Honolulu, Hawaii. Tag-holder. No. 1,257,790; Feb. 26; v. 247; p. 895.
Bickerton, Spencer, Honolulu, Hawaii. Soapsuds-mixer. No. 1,272,194; July 9; v. 252; p. 438.
Bickford, Charles A., Chicago, Ill. Elevator. No. 1,271,534; July 9; v. 252; p. 251.
Bickford, Charles A., Chicago, Ill. Flooring. No. 1,282,732; Oct. 29; v. 255; p. 839.
Bickford, Ernest J. (See Rose and Bickford.)
Bickford, Oramel S., Greenfield, Mass. Machine for fluting twist-drill blanks. No. 1,274,502; Aug. 6; v. 253; p. 46.
Bickle, Benjamin H. (See Stewart and Bickle.)
Bickley, Ralph N., Minneapolis, Minn. Differential-transmission mechanism. No. 1,252,388; Jan. 8; v. 246; p. 307.
Bickley, Ross M., assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Apparatus for handling coal. No. 1,251,626; Jan. 1; v. 246; p. 54.
Bickley, Ross M., assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Apparatus for handling coal. No. 1,288,375; Dec. 17; v. 257; p. 605.
Bickley, William P. (See Hudson and Bickley.)
Bickmore, Oliver J., Oldtown, Me. Single-use powder-box. No. 1,262,165; Apr. 9; v. 249; p. 362.
Bicknell, Frank A. (See Whelpley and Bicknell.)
Bicknell, George J., Boston, Mass. Fabric and making the same. No. 1,273,815; July 30; v. 252; p. 973.
Bicksler, Grant S. (See Davis, James D., assignor.)
Bicsi, Gabor, Gary, W. Va. Signal-alarm for switches. No. 1,254,198; Jan. 22; v. 246; p. 882.
Biddle, Walter H., Eastbourne, England. Compensating device. No. 1,263,193; Apr. 16; v. 249; p. 681.
Bidonde, Gratien, New York, N. Y. Life-preserver. No. 1,282,527; Oct. 22; v. 255; p. 756.
Bidwell, Harold, Ottawa, Ontario, Canada. Means for moving heavy loads. No. 1,287,845; Dec. 17; v. 257; p. 476.
Bie, Albert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine-cylinder. No. 1,251,627; Jan. 1; v. 246; p. 55.
Bie, Albert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine-cylinder. No. 1,260,859; Mar. 26; v. 248; p. 942.
Bie, Albert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Cylinder-cover for combustion-engines. No. 1,260,860; Mar. 26; v. 248; p. 943.
Bie, Albert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine construction. No. 1,260,861; Mar. 26; v. 248; p. 943.
Bieber, Albert I. (See Bieber, Alexander R., assignor.)
Bieber, Alexander R., assignor of one-half to A. I. Bieber, Swiss, Mo. Weather-vane. No. 1,265,420; May 7; v. 250; p. 150.
Biedenmeister, Frederick, assignor to Good Manufacturing Company, New York, N. Y. Split pipe-collar. No. 1,260,628; Mar. 26; v. 248; p. 878.
Biedma, Carlos M., Buenos Aires, Argentina. School-bench. No. 1,276,713; Aug. 27; v. 253; p. 756.
Biegel, William J., assignor of one-third to A. J. Dittenhoefer, New York, N. Y. Carbureter-heating device. No. 1,283,054; Oct. 29; v. 255; p. 930.
Biehler, Joseph G. (See Knopp and Biehler.)
Biehler, Joseph G., and R. Knopp, Rochester, N. Y. Labeling-machine. No. 1,263,515; Apr. 23; v. 249; p. 791.
Biel, William S., Los Angeles, Cal. Bedstead. (Reissue.) No. 14,566; Dec. 17; v. 257; p. 625.
Bielhen, Fredrick. (See Fay and Bielhen.)
Bieman, Philip H., St. Louis Park, Minn. Fishing-reel. No. 1,265,038; May 7; v. 250; p. 47.
Bienhoff, Benjamin B., Minneapolis, Minn. Display apparatus. No. 1,256,431; Feb. 12; v. 247; p. 427.
Bienvaux, Paul, Paris, France. Telegraphic-code apparatus. No. 1,276,616; Aug. 20; v. 253; p. 692.
Bierce, Edward B., *et al.* (See Humason, Granville A., assignor.)
Bierer, Everhart. (See Bierer and Zern, assignors.)
Bierer, Joseph, and E. N. Zern, assignors of one-third to E. Bierer, Morgantown, W. Va. Rotary dump for cars. No. 1,277,836; Sept. 3; v. 254; p. 140.
Biernat, Carl, assignor of one-fourth to H. Griggs, Glasford, Ill. Railway-tie and rail-fastener. No. 1,280,644; Oct. 8; v. 255; p. 172.
Biernat, Carl, assignor of one-fourth to H. Griggs, Glasford, Ill. Wire-cutter. No. 1,280,645; Oct. 8; v. 255; p. 173.
Biersdorf, Mathew F., Los Angeles, Cal. Combined lock and butt gage. No. 1,282,670; Oct. 22; v. 255; p. 796.
Biesel, Charles, El Paso, Tex. Extracting metals from ores. No. 1,276,162; Aug. 20; v. 253; p. 566.
Biesel, Charles, El Paso, Tex. Continuous vacuum-dehydrator. No. 1,276,163; Aug. 20; v. 253; p. 566.
Bieser, Carl W., Dayton, Ohio. Border-line-ruling pen. No. 1,287,623; Dec. 17; v. 257; p. 420.
Biesmeyer, Lorenz F., Chamois, Mo. Automobile-tire. No. 1,261,684; Apr. 2; v. 249; p. 196.
Big Indian Copper Co. *et al.* (See Christensen, Niels C., assignor.)
Bigelow, Myron J., C. C. Cadden, and J. Rehak, assignors to The Mechanical Efficiency Company, Akron, Ohio. Mail-feeding device. No. 1,256,975; Feb. 19; v. 247; p. 622.
Biggar, Leroy A. and R. H., Oneida, N. Y. Lubricator. No. 1,274,975; Aug. 6; v. 253; p. 180.
Biggar, Rutherford H. (See Biggar, Leroy A. and R. H.)
Bigger, Harry N., Oneida, N. Y. Fruit-picker. No. 1,257,791; Feb. 26; v. 247; p. 895.
Biggers, Edward S., *et al.* (See Biggers, Lee P., assignor.)
Biggers, Lee P., assignor of forty one-hundredths to E. S. Biggers and ten one-hundredths to W. G. McWherter, Palmersville, Tenn. Power-driven steering-wheel for motor-vehicles. No. 1,264,147; Apr. 30; v. 249; p. 994.
Biggers, Lee P., Palmersville, Tenn., assignor of one-twelfth to J. M. Palmer, one-twelfth to B. J. Byars, one-twelfth to C. N. Killgore, one-twelfth to L. C. Braun, one-twelfth to C. H. Rawls, one-twelfth to W. G. McWherter, one-twelfth to W. L. Lafon, one-twelfth to W. M. Pentecost, one-twelfth to L. L. Olds, and one-twelfth to J. M. Buckley. Propeller. No. 1,267,048; May 21; v. 250; p. 662.
Biggert, Florence C., Jr., Pittsburgh, Pa. Clutch. No. 1,265,595; May 7; v. 250; p. 196.
Biggins, James E., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Distilling oil. No. 1,274,976; Aug. 6; v. 253; p. 180.
Biggs, Benjamin, Mabton, Wash. Molding concrete silos. No. 1,286,211; Dec. 3; v. 257; p. 7.
Biggs, Florence B., New York, N. Y. Wrist-mitt. No. 1,275,837; Aug. 13; v. 253; p. 443.
Biggs, Florence B., New York, N. Y. Helmet-cap. No. 1,275,838; Aug. 13; v. 253; p. 443.
Biggs, Florence B., New York, N. Y. Sweater. No. 1,282,528; Oct. 22; v. 255; p. 757.
Biggs, Thomas J., Oak Creek, Colo. Nut-lock. No. 1,288,482; Dec. 24; v. 257; p. 658.
Biggs, William O., Detroit, Mich. Heater. No. 1,255,503; Feb. 5; v. 247; p. 112.

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Bigham, James W., and W. J. Barker, Jacksonville, Fla. Sanitary pillow-covering. No. 1,275,205; Aug. 13; v. 253; p. 269.
Bigler, Oscar A., Wyoming, assignor to The Philip Carey Manufacturing Company, Cincinnati, Ohio. Roofing. No. 1,284,997; Nov. 19; v. 256; p. 470.
Bignell, Edward, *et al.* (See Fowler, Herbert F., assignor.)
Bignell, George L., assignor to The Rose Patch and Label Company, Grand Rapids, Mich. Label cutting and folding machine. No. 1,283,055; Oct. 29; v. 255; p. 930.
Bignell, James R., assignor to The Rose Patch and Label Company, Grand Rapids, Mich. Cutting and folding machine. No. 1,283,056; Oct. 29; v. 255; p. 930.
Bigos, Andrzej, Lorain, Ohio. Wire-cutting attachment for rifles. No. 1,277,031; Aug. 27; v. 253; p. 838.
Bijll Nachenius, Henri A. J. de, assignor to Naamlooze Vennootschap "Werf," "Conrad," Haarlem, Netherlands. Centrifugal pump. No. 1,278,721; Sept. 10; v. 254; p. 401.
Bijur, Joseph, New York, N. Y. Ignition apparatus for internal-combustion engines. No. 1,261,345; Apr. 2; v. 249; p. 101.
Bijur, Joseph, assignor to The Safety Car Heating & Lighting Company, New York, N. Y. Electric regulator. No. 1,260,994; Mar. 26; v. 248; p. 978.
Bijur, Joseph, New York, N. Y., assignor to The Safety Car Heating & Lighting Company, New York, N. Y. Electric regulator. No. 1,260,995; Mar. 26; v. 248; p. 978.
Bijur, Joseph, assignor to The Safety Car Heating and Lighting Co., New York, N. Y. System of distribution. No. 1,262,915; Apr. 16; v. 249; p. 601.
Bijur, Joseph, New York, N. Y., assignor to Bijur Motor Lighting Company, Hoboken, N. J. Electric-circuit-changing apparatus. No. 1,271,535; July 9; v. 252; p. 252.
Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Bijur Motor Appliance Company. Motor construction. No. 1,278,096; Sept. 10; v. 254; p. 234.
Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Bijur Motor Appliance Company. Gearing. No. 1,279,501; Sept. 24; v. 254; p. 664.
Bijur Motor Appliance Company. (See Bijur, Joseph, assignor.)
Bijur Motor Appliance Company. (See Marcus, Charles, assignor.)
Bijur Motor Appliance Company. (See Soans, Cyril A., assignor.)
Bijur Motor Appliance Company. (See Wolffsohn, Lionel, assignor.)
Bijur Motor Lighting Company. (See Wolffsohn, Lionel M., assignor.)
Bikowski, Waclaw, Cambridge, Mass. Portable farm-fence. No. 1,284,569; Nov. 12; v. 256; p. 322.
Bilan, John, Flint, Mich. Soldier's protector. No. 1,279,229; Sept. 17; v. 254; p. 567.
Bilan, John, Flint, Mich. Soldier's armor. No. 1,279,230; Sept. 17; v. 254; p. 567.
Bilderback, Eddy R., Buffalo, Tex. Hame attachment. No. 1,275,646; Aug. 13; v. 253; p. 390.
Bilgram, Hugo, Philadelphia, Pa. Automatic braking device for compensation-gears of automobiles and other similar vehicles. No. 1,251,466; Jan. 1; v. 246; p. 4.
Bilgram, Hugo, Philadelphia, Pa. Automatic braking device for compensation-gears of automobiles and other similar vehicles. No. 1,277,837; Sept. 3; v. 254; p. 140.
Billek, John, Chicago, Ill. Mail-conveyer. No. 1,256,432; Feb. 12; v. 247; p. 427.
Billado, Jason A. (See Wade and Billado.)
Billado, Milo R., Jericho, Vt. Compressed-air engine. No. 1,281,490; Oct. 15; v. 255; p. 437.
Billard, Herbert W., New York, N. Y. Liquid-container support. No. 1,277,838; Sept. 3; v. 254; p. 140.
Billé, Léon, Nogent-sur-Marne, France. Machine for grinding the interiors of hollow bodies. No. 1,271,837; July 9; v. 252; p. 335.
Billenstein, John F., Cleveland, Ohio. Flying-machine. No. 1,279,231; Sept. 17; v. 254; p. 567.
Billhartz, Frederick H., New Baden, Ill. Spoke remover and tightener. No. 1,280,646; Oct. 8; v. 255; p. 173.
Billingham, Benjamin. (See Richards and Billingham.)
Billingham, Milton C. J., assignor of one-half to H. Vander Horst, Kalamazoo, Mich. Paper-stock-treating machine. No. 1,276,864; Aug. 27; v. 253; p. 794.
Billinghurst, Charles B., Pierre, S. D. Device for controlling shock. No. 1,253,129; Jan. 8; v. 246; p. 524.
Billinghurst, Charles B., Pierre, S. D. Device for controlling shock. No. 1,284,998; Nov. 19; v. 256; p. 470.
Billings, Edwin G., Olean, N. Y. Measuring device. No. 1,289,618; Dec. 31; v. 257; p. 962.
Billings, Frank, Cleveland, Ohio. Loading-machine. No. 1,265,729; May 14; v. 250; p. 264.
Billings, Frank, Cleveland, Ohio. Loading or mining and loading machine. No. 1,265,730; May 14; v. 250; p. 264.
Billings, Frank, Cleveland, Ohio. Loading or mining and loading machine. No. 1,265,731; May 14; v. 250; p. 264.
Billings, Frank, and R. P. Greenleaf, Cleveland, Ohio; said Greenleaf assignor to said Billings. Loading-machine. No. 1,277,687; Sept. 3; v. 254; p. 99.
Billings, Frank, and R. P. Greenleaf, Cleveland, Ohio; said Greenleaf assignor to said Billings. Loading apparatus. No. 1,286,168; Nov. 26; v. 256; p. 803.
Billings, Frederick C., Milwaukee, Wis. Music-roll. No. 1,263,022; Apr. 16; v. 249; p. 631.
Billings, Frederick C., Milwaukee, Wis. Printing-press for music-rolls. No. 1,263,023; Apr. 16; v. 249; p. 632.
Billings, Frederick C., Milwaukee, Wis. Music-roll for player-pianos. No. 1,277,180; Aug. 27; v. 253; p. 880.
Billings, Heywood Y. (See Campbell and Billings, assignors.)
Billings, William R., Brooklyn, N. Y. Measuring-faucet. No. 1,271,838; July 9; v. 252; p. 336.
Billings, William R., Brooklyn, N. Y. Measuring-faucet. No. 1,271,839; July 9; v. 252; p. 336.
Billings, William R., Brooklyn, N. Y. Measuring-faucet. No. 1,271,840; July 9; v. 252; p. 336.
Billingsley, Percy L., assignor to Atlas Manufacturing Company of Orlando, Orlando, Fla. Lifting-jack. No. 1,269,153; June 11; v. 251; p. 323.
Billington, William W., and W. Burnett, assignors to Bay City, Mich., Dredge Works. Ditch-dredging machine. No. 1,271,010; July 2; v. 252; p. 74.
Billman, Obed C. (See Stump, Ira E., assignor.)
Billstein, Aaron M., Riderwood, assignor to The Lord Baltimore Press, Baltimore, Md. Box. No. 1,257,067; Feb. 19; v. 247; p. 648.
Billwiller, John. (See Bergius and Billwiller.)
Bilton, Ernest C., New York, N. Y. Composition of matter for cleaning. No. 1,270,105; June 18; v. 251; p. 615.
Bimson, Alfred G., Berthoud, Colo. Beet-harvester. No. 1,268,085; June 4; v. 251; p. 4.
Binckley, George S., assignor to Hydrometric Company, Los Angeles, Cal. Fluid-meter. No. 1,279,232; Sept. 17; v. 254; p. 567.
Binder, Andrew, Blakeslee, Mont., assignor of one-half to J. Boyer, La Crosse, Wis. Explosive-engine. No. 1,289,619; Dec. 31; v. 257; p. 962.
Binder, Gottlob. (See Mertens and Binder.)
Binder, Gottlob, Philadelphia, Pa. Indicator for automatically controlling clothes washing and drying. No. 1,260,862; Mar. 26; v. 248; p. 943.
Binder, John, *et al.* (See Mrakitsch, Anton, assignor.)
Binder, Louis, Newark, N. J. Box. No. 1,277,536; Sept. 3; v. 254; p. 56.
Binder, Richard L., Philadelphia, Pa. Baling device. No. 1,254,878; Jan. 29; v. 246; p. 1111.
Binder, Russell T. (See Sprung, Abraham, assignor.)
Binet, Edward C., *et al.* (See Blair, John H., assignor.)
Bingen, John, and W. A. Beaver, Marshfield, Wis. Cow-tail holder. No. 1,255,284; Feb. 5; v. 247; p. 48.
Bingham, Jeremiah, assignor to The Bock Bearing Company, Toledo, Ohio. Roll-housing for roller-bearings and forming the same. No. 1,275,371; Aug. 13; v. 253; p. 315.
Bingham, John D., assignor of one-half to A. C. Dane, Alpena, Mich. Stem for impact-pulverizers. No. 1,282,671; Oct. 22; v. 255; p. 796.
Bingham, Robert O., assignor to The Wagner Manufacturing Company, Sidney, Ohio. Percolator. No. 1,271,011; July 2; v. 252; p. 74.
Binghamton Washing Machine Co., The. (See Davis, George L., assignor.)
Binkle, Peter. (See Heiser and Binkle.)
Binks, Harry D., River Forest, Ill. Spray-nozzle. No. 1,282,175; Oct. 22; v. 255; p. 661.
Binks, Harry D., River Forest, Ill. Spray-nozzle. No. 1,282,176; Oct. 22; v. 255; p. 661.
Binn, Franklin, Trenton, N. J. Fire-poker and clinker-picker. No. 1,254,765; Jan. 29; v. 246; p. 1075.
Binnie, Alexander, New Plymouth, New Zealand. Life-saving pillow. No. 1,270,367; June 25; v. 251; p. 712.
Binnie, Alexander, New Plymouth, New Zealand. Life-saving mattress. No. 1,270,368; June 25; v. 251; p. 712.
Binns, Albert. (See Mitchell and Binns.)
Bint, George F., Moseley, Birmingham, England. Plug for shell or projectile cases. No. 1,253,773; Jan. 15; v. 246; p. 741.
Bintliff, Wilbert T., assignor of one-half to A. B. Laing, Plainfield, N. J. Gas-engine primer. No. 1,286,512; Dec. 3; v. 257; p. 82.
Bio-Chemic Fertilizer Company, The. (See Wallace and Prescott, assignors.)
Biondi, Angelo F., Niagara Falls, N. Y. Automatic signal for automobiles and other vehicles. No. 1,282,733; Oct. 29; v. 255; p. 840.
Birch, Charles. (See Price, Frederick, assignor.)
Birch, Gustaf B. (See Cameron and Birch.)
Birch, Gustaf B., and J. A. Cameron, assignors to Cameron Machine Company, Brooklyn, N. Y. Rewinding-machine. No. 1,258,644; Mar. 12; v. 248; p. 242.
Birch, James H. (See Phelps and Birch.)
Birchbauer, Ferdinand, assignor to Federal Tin Company, Incorporated, Baltimore, Md. Drying-oven for sheet materials. No. 1,288,810; Dec. 24; v. 257; p. 739.
Bircher Co., The. (See Bircher, Eugene A., assignor.)

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Bircher, Eugene A., assignor to The Bircher Co. Inc., Rochester, N. Y. Machine for opening envelops. No. 1,273,318; July 23; v. 252; p. 801.
Bird, Charles E., Minneapolis, Minn. Scale. No. 1,274,977; Aug. 6; v. 253; p. 180.
Bird, Charles S. (See Wyman, George R., assignor.)
Bird, Charles S. (See Wyman and Currier, assignors.)
Bird, Charles W. (See Schroeder and Bird.)
Bird, George B., Hillisburg, assignor of one-half to N. V. Boulden, Sheridan, Ind. Adjustable fence-guard. No. 1,269,551; June 11; v. 251; p. 431.
Bird, Herbert, Reading, England. Apparatus for charging gas-retorts. No. 1,256,650; Feb. 19; v. 247; p. 525.
Bird, John. (See Lamb, Elden P., assignor.)
Bird, John, Kansas City, Mo. Bottle-siphon. No. 1,289,620; Dec. 31; v. 257; p. 963.
Bird, Reginald W. (See Clapp, Albert L., assignor.)
Bird, Thomas, Sawtelle, Cal. Combination water and weight power machine. No. 1,264,759; Apr. 30; v. 249; p. 1164.
Bird, William F., Bruceton Mills, W. Va. Automatic feed-dropper. No. 1,274,845; Aug. 6; v. 253; p. 144.
Birdsall, Arthur M., Manasquan, N. J. Picture toy. No. 1,260,133; Mar. 19; v. 248; p. 698.
Birdsall, Wilfred T., Montclair, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Vapor apparatus. No. 1,251,628; Jan. 1; v. 246; p. 55.
Birdsall, Wilfred T., Montclair, N. J., assignor to Westinghouse Electric and Manufacturing Company. Vacuum type-converter. No. 1,277,365; Sept. 3; v. 254; p. 8.
Birgbauer, Conrad, Detroit, Mich. Diamond-mounting. No. 1,273,992; July 30; v. 252; p. 1023.
Birk, George. (See Fries and Birk.)
Birkenfeld, Benjamin, Deal, N. J. Woman's undergarment. No. 1,277,839; Sept. 3; v. 254; p. 140.
Birkenmaier, Theodore, St. Louis, Mo. Water-controlling mechanism for laundry-tubs. No. 1,252,079; Jan. 1; v. 246; p. 187.
Birkes, Elijah M., St. Joseph, Mo. Window-ventilator. No. 1,252,770; Jan. 8; v. 246; p. 419.
Birkett, Edward J., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Excavating and loading machine. No. 1,287,195; Dec. 10; v. 257; p. 285.
Birmingham Iron Foundry. (See Banbury, Fernley H., assignor.)
Birmingham Iron Foundry. (See Welton, Park E., assignor.)
Birmingham Key Hook Company. (See Waid, Calvin R., assignor.)
Birney, George J., Toronto, Ontario, Canada. Combination shirt and suspenders. No. 1,257,450; Feb. 26; v. 247; p. 794.
Birney, George J., Toronto, Ontario, Canada. Collapsible top for motor-cars. No. 1,278,837; Sept. 17; v. 254; p. 462.
Birney, Wilbur R., Dayton, Ohio. Check-printing machine. No. 1,263,024; Apr. 16; v. 249; p. 632.
Birnstock, William W., and C. W. Vogel, assignors to Hench & Dromgold Company, York, Pa. Bottle-crate. No. 1,259,348; Mar. 12; v. 248; p. 442.
Birnstock, William W., and C. W. Vogel, assignors to Hench & Dromgold Company, York, Pa. Bottle-crate. No. 1,259,349; Mar. 12; v. 248; p. 443.
Birnzweig, Jacob S., New York, N. Y. Button. No. 1,262,166; Apr. 9; v. 249; p. 362.
Biro, Ernest, assignor of one-half to W. Blau, New York, N. Y. Fur-cutting machine. No. 1,263,842; Apr. 23; v. 249; p. 878.
Birrell, James. (See Birrell, William and J.)
Birrell Silent Motor Co. (See Birrell, William and J., assignors.)
Birrell, William and J., assignors to Birrell Silent Motor Co., Inc., Chicago, Ill. Valve. No. 1,288,811; Dec. 24; v. 257; p. 739.
Bisaillon, Zenophile, assignor to himself, J. M. and H. A. Longtin, J. Bernard, and J. A. Dulude, Laprairie, Quebec, Canada. Keyless lock. No. 1,272,327; July 9; v. 252; p. 475.
Bisbee, De Witt, W., Los Angeles, and P. A. Cressey, Long Beach, Cal. Trolley-collector device. No. 1,290,012; Dec. 31; v. 257; p. 1059.
Biscayart, Jules D., assignor of one-half to F. Cailleteau, Atlanta, Ga. Can-opener. No. 1,270,593; June 25; v. 251; p. 776.
Biscayart, Jules D., and F. Cailleteau, Atlanta, Ga. Attachment for operating switch-buttons. No. 1,264,760; Apr. 30; v. 249; p. 1164.
Biscayart, Jules D., and F. Cailleteau, Atlanta, Ga. Device for operating snap-switches. No. 1,264,761; Apr. 30; v. 249; p. 1165.
Biscayart, Jules D., and F. Cailleteau, Atlanta, Ga. Attachment for operating snap-switches. No. 1,264,762; Apr. 30; v. 249; p. 1165.
Biscayart, Jules D., and F. Cailleteau, Atlanta, Ga. Means for operating electric-lamp switch-buttons. No. 1,264,763; Apr. 30; v. 249; p. 1165.
Bisceglia, Alphonse F., San Jose, Cal. Device for washing fruit. No. 1,257,574; Feb. 26; v. 247; p. 831.
Bischof, Frank J., Detroit, Mich. Curtain-pole. No. 1,261,685; Apr. 2; v. 249; p. 197.
Bishop-Babcock-Becker Company, The. (See Sebring, James A., assignor.)
Bishop, Charles F., assignor to North East Electric Company, Rochester, N. Y. Illustrating phenomena. No. 1,270,369; June 25; v. 251; p. 713.
Bishop, Clair L., Cedar Rapids, Iowa. Feed-bag. No. 1,254,466; Jan. 22; v. 246; p. 958.
Bishop, Clarence A., Brooklyn, N. Y. Calculating record-card. No. 1,263,365; Apr. 23; v. 249; p. 747.
Bishop, Clifford M., Brooklyn, N. Y. Mechanism for the control of automobiles. No. 1,274,978; Aug. 6; v. 253; p. 181.
Bishop, Columbus H., El Reno, Okla. Railway-tie. No. 1,280,376; Oct. 1; v. 255; p. 73.
Bishop Company, The. (See Bishop, Frederick R., assignor.)
Bishop, Ernest F., Winnipeg, Manitoba, Canada. Traction-mat for motor-vehicles. No. 1,261,898; Apr. 9; v. 249; p. 287.
Bishop, Fern S. (See Cole and Bishop.)
Bishop, Fred M. (See Tillyer and Bishop.)
Bishop, Frederick R., assignor to The Bishop Company, Inc., North Attleboro, Mass. Eyeglass-holder. No. 1,270,106; June 18; v. 251; p. 615.
Bishop, George E., Cleveland, Ohio. Automobile-curtain. No. 1,253,341; Jan. 15; v. 246; p. 615.
Bishop, James A., Mascoutah, Ill. Lock-nut and the like. No. 1,288,812; Dec. 24; v. 257; p. 739.
Bishop, Joseph W., assignor to Utah Power & Light Company, Salt Lake City, Utah. Cable-terminal. No. 1,258,304; Mar. 5; v. 248; p. 103.
Bishop, McKendree F., Elgin, Ill. Thill-coupling. No. 1,267,501; May 28; v. 250; p. 813.
Bishop-Purcell Manufacturing & Sales Company, The. (See Brandenburg and Purcell, assignors.)
Bishop, Thomas H., assignor to Lineatime Mfg. Co., Inc., Rochester, N. Y. Copy-holder. No. 1,262,626; Apr. 16; v. 249; p. 519.
Bishop, William A., New London, assignor to The Wisconsin Chair Company, Port Washington, Wis. Theater-chair hinge. No. 1,262,596; Apr. 9; v. 249; p. 482.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Pipe connection. No. 1,265,875; May 14; v. 250; p. 305.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Casing for electrical appliances. No. 1,268,425; June 4; v. 251; p. 101.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Automatic switch. No. 1,268,426; June 4; v. 251; p. 102.
Bissell, Carl H., and H. P. Hastings, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electric service-box. No. 1,265,293; May 7; v. 250; p. 116.
Bissell, Carl H., and E. G. Smith, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical appliance. No. 1,265,294; May 7; v. 250; p. 116.
Bissell Carpet Sweeper Company. (See Mason, Francis C., assignor.)
Bissell Carpet Sweeper Company. (See Shanahan and Bouwmeester, assignors.)
Bissell Carpet Sweeper Company. (See Shanahan and Mason, assignors.)
Bisson, Theodore E., Bellingham, Wash. Calipers. No. 1,267,964; May 28; v. 250; p. 944.
Bittlestone, John J., and H. T. Johnson, Sunderland, England. Ship. No. 1,282,371; Oct. 22; v. 255; p. 715.
Bittner, Charles, Stafford, Kans. Doubletree. No. 1,252,223; Jan. 1; v. 246; p. 226.
Bittner, Walter E., Beckley, Conn. Ladder-hook. No. 1,252,224; Jan. 1; v. 246; p. 226.
Bitzenburger, Frank C., Los Angeles, Cal. Tire-guard. No. 1,257,305; Feb. 26; v. 247; p. 753.
Bivert, Eugene, Chicago, Ill. Marine motor. No. 1,261,346; Apr. 2; v. 249; p. 101.
Bixby, Allan S., Indianapolis, Ind., assignor to The National Malleable Castings Company, Cleveland, Ohio. Molding-machine. No. 1,252,771; Jan. 8; v. 246; p. 419.
Bixby, Gordon C. (See Judd, Charles W., assignor.)
Bixby, Milo P., and J. B. Taylor, Butte, Mont. Keyhole-illuminator. No. 1,284,570; Nov. 12; v. 256; p. 323.
Bixby, Walter, Dorchester, assignor to The Lamson Company, Boston, Mass. Selectively-actuated mechanism. No. 1,252,080; Jan. 1; v. 246; p. 188.
Bizon, John, Wyandotte, Mich. Bayonet and wire-cutter. No. 1,287,569; Dec. 10; v. 257; p. 375.
Bjercke, Alf, Christiania, Norway. Producing coffee-like or tea-like beverages and products. No. 1,257,451; Feb. 26; v. 247; p. 794.
Bjerre, Swan P., Chicago, Ill. Life-belt. No. 1,275,647; Aug. 13; v. 253; p. 390.
Bjorneby, George O., Kalispell, Mont. Shock-absorber. No. 1,280,377; Oct. 1; v. 255; p. 74.
Bjornlie, Julius, Watertown, S. D., assignor of one-half to T. Bjornlie, Madison, Minn. Tire-tool. No. 1,279,076; Sept. 17; v. 254; p. 527.
Bjornlie, Thorwald. (See Bjornlie, Julius, assignor.)
Bjornsson, Carl A., assignor to McEwen Bros., Wellsville, N. Y. Atomizer for oil-engines. No. 1,255,380; Feb. 5; v. 247; p. 77.

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Blache, Hans H., Copenhagen, Denmark. Reversing-gear for four-cycle internal-combustion engines. No. 1,258,178; Mar. 5; v. 248; p. 66.
Blachly, Frederick A., Council Bluffs, Iowa. Cylinder boring and grinding machine. No. 1,252,994; Jan. 8; v. 246; p. 484.
Black, Arthur O. (See Plaisted and Black.)
Black, Charles F., assignor to D. P. Clark, Dayton, Ohio. Toy. No. 1,272,195; July 9; v. 252; p. 438.
Black Diamond Mfg. Co. (See Franklin, John R., assignor.)
Black, Ernest C., Selma, Ohio. Hay-cutter. No. 1,262,739; Apr. 16; v. 249; p. 551.
Black, Hugh A., Vancouver, British Columbia, Canada. Dispensing-machine. No. 1,264,603; Apr. 30; v. 249; p. 1124.
Black, James. (See Meredith, Baumann, and Black.)
Black, James, Strawn, Tex. Automobile-jack. No. 1,281,491; Oct. 15; v. 255; p. 437.
Black, James H. (See Whale and Black.)
Black, John C., Los Angeles, assignor to Standard Oil Company, Richmond, Cal. Producing gasolene. No. 1,275,648; Aug. 13; v. 253; p. 390.
Black, Joseph A., Charleston, S. C. Street-sign. No. 1,287,196; Dec. 10; v. 257; p. 285.
Black, Paul, Algona, Iowa. Power device. No. 1,276,164; Aug. 20; v. 253; p. 566.
Black, Paul, Algona, Iowa. Potato-digger. No. 1,279,502; Sept. 24; v. 254; p. 665.
Black, Paul, Algona, Iowa. Calf-weaner. No. 1,279,503; Sept. 24; v. 254; p. 665.
Black, Paul H., Algona, Iowa. Pail-holder. No. 1,268,916; June 11; v. 251; p. 258.
Black, R. L. (See Carr, Samuel B., assignor.)
Black, Robert, Scarsdale, N. Y., assignor to The Dressel Railway Lamp Works. Focusing device for electric headlights. No. 1,260,998; Mar. 26; v. 248; p. 979.
Black, Walter G. (See York and Black.)
Black, William. (See Kinghan, Fredrick A., assignor.)
Black, William A., Spokane, Wash. Resilient wheel. No. 1,277,537; Sept. 3; v. 254; p. 56.
Black, William L., Fort McKavett, Tex. Antifriction hollow-tube sucker-rod for deep wells. No. 1,281,756; Oct. 15; v. 255; p. 507.
Black, Wilson I., Marion, Ohio. Steel tie and rail-fastener. No. 1,264,001; Apr. 23; v. 249; p. 923.
Blackall, Robert H., Lake Mahopac, assignor to Ratchet Brake Company, New York, N. Y. Ratchet-brake mechanism. No. 1,252,539; Jan. 8; v. 246; p. 351.
Blackburn, Alvah, Alum Bank, Pa. Stock-punch. No. 1,288,483; Dec. 24; v. 257; p. 659.
Blackburn, Cearnel M., Cavendish, assignor of one-third to L. G. Peterson, Kendrick, Idaho. Drag wood-sawing machine. No. 1,263,025; Apr. 16; v. 249; p. 632.
Blackburn, Felix, Feeding Hills, assignor to Cowan Truck Company, trustee, Holyoke, Mass. Elevating-truck. (Reissue.) No. 14,575; Dec. 24; v. 257; p. 800.
Blackburn, Guy W., Elgin, Ill. Speedometer. No. 1,289,370; Dec. 31; v. 257; p. 901.
Blackburn, Jasper, Webster Groves, Mo. Hinged guy-clamp. No. 1,252,540; Jan. 8; v. 246; p. 352.
Blackburn, Jasper, Webster Groves, Mo. Earth-anchor. No. 1,272,364; July 16; v. 252; p. 513.
Blackburn, Jasper, Webster Groves, Mo. Combined insulator and guy-clamp. No. 1,288,484; Dec. 24; v. 257; p. 659.
Blackburn, Jasper, Webster Groves, Mo. Cable-hanger. No. 1,288,485; Dec. 24; v. 257; p. 659.
Blackburn, Juditha, Los Angeles, Cal. Dress-pattern. No. 1,276,316; Aug. 20; v. 253; p. 607.
Blackburn, Wayne W., St. Petersburg, Fla. Pump. No. 1,282,734; Oct. 29; v. 255; p. 840.
Blackburn, Wilmuth E., Summit, N. J. Game apparatus. No. 1,279,637; Sept. 24; v. 254; p. 703.
Blackman, Fred L. (See Jackson, Joseph H., assignor.)
Blackman, John H. (See Moody and Blackman.)
Blackmarr, Frederick S., assignor to Blackmarr Machine Company, Bayfield, Wis. Stump puller and stacker. No. 1,280,951; Oct. 8; v. 255; p. 256.
Blackmarr Machine Company. (See Blackmarr, Frederick S., assignor.)
Blackmer Rotary Pump Co. (See Klise, Albert B., assignor.)
Blackmore, Bernard J. D., Oconomowoc, Wis., assignor of one-third to P. S. Brukaker, Chicago, Ill. Metallic joint. No. 1,272,000; July 9; v. 252; p. 384.
Blackmore, Charles C., Dayton, Ohio. Airplane-bomb. No. 1,278,578; Sept. 10; v. 254; p. 362.
Blackmore, Henry J., Indianapolis, Ind. Rain-signal. No. 1,280,136; Oct. 1; v. 255; p. 5.
Blackmore, Henry J., Indianapolis, Ind. Rain-indicator. No. 1,280,137; Oct. 1; v. 255; p. 5.
Blackmore, Henry S., Mount Vernon, N. Y. Finishing, cleaning, or polishing composition and making same. No. 1,276,481; Aug. 20; v. 253; p. 654.
Blackmore, John E., Detroit, Mich. Valve and retainer therefor. No. 1,288,486; Dec. 24; v. 257; p. 659.
Blackmore, William, assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-pocket for radial-draft gears. No. 1,278,838; Sept. 17; v. 254; p. 462.
Blackshear, James B., Honolulu, Hawaii. Toy machine-gun. No. 1,287,197; Dec. 10; v. 257; p. 285.
Blackshear, James B., Honolulu, Hawaii. Toy torpedo. No. 1,288,813; Dec. 24; v. 257; p. 739.
Blackshear, James B., Honolulu, Hawaii. Toy projectile. No. 1,288,814; Dec. 24; v. 257; p. 739.
Blackshear, James B., Honolulu, Hawaii. Toy automobile and rapid-fire gun. No. 1,289,621; Dec. 31; v. 257; p. 963.
Blackshear, James B., Honolulu, Hawaii. Toy cannon. No. 1,289,622; Dec. 31; v. 259; p. 963.
Blackstone, Clarence W., Chicago, Ill., assignor to The Fred H. Knapp Company, Westminster, Md. Boxing-machine for cans. No. 1,286,212; Dec. 3; v. 257; p. 7.
Blackstone Manufacturing Company, The. (See More, Glenn, assignor.)
Blackstone, William E., Buchtel, Ohio. Pumping apparatus. No. 1,268,917; June 11; v. 251; p. 258.
Blackwell, Grant. (See Thomas and Blackwell.)
Blackwell, Harry T., Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Trimming-machine. No. 1,286,889; Dec. 3; v. 257; p. 167.
Blackwell, Henry F., assignor of one-half to M. E. Jutte and one-half to M. A. Blackwell, New York, N. Y. Photographic inscription-camera. No. 1,256,769; Feb. 19; v. 247; p. 560.
Blackwell, Maude A., *et al.* (See Blackwell, Henry F., assignor.)
Blackwell, Otto B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Testing apparatus. No. 1,261,096; Apr. 2; v. 249; p. 30.
Blades, Charles H. (See Lauer, Carl H., assignor.)
Blades, Le Roy, assignor of one-third to E. G. Mollohan and one-third to E. T. Mollohan, Chicago, Ill. Sign. No. 1,289,371; Dec. 31; v. 257; p. 901.
Blades, Leonard J., Jr., Chicago, Ill. Case or rack for displaying pamphlets, printed forms, and like matter. No. 1,254,766; Jan. 29; v. 246; p. 1076.
Blaetus, Evangelos, Scranton, Pa. Spoon-holder for cups, &c. No. 1,276,018; Aug. 20; v. 253; p. 524.
Blagen, Frank N., Hoquiam, Wash. Electric incubator. No. 1,276,317; Aug. 20; v. 253; p. 608.
Blaha, Ludwig. (See Neu and Blaha.) (Reissue.)
Blaine, Joseph R. (See Lane, Blaine, and Henderson.)
Blair, Benjamin L., Indianapolis, Ind. Projectile-rotator. No. 1,266,764; May 21; v. 250; p. 583.
Blair Engineering Company. (See Blair, Thomas S., Jr., assignor.)
Blair Engineering Company. (See Davison, Orin H., assignor.)
Blair, Frank R., Glen Ridge, N. J., assignor to F. R. Blair & Co., Inc., New York, N. Y. Flexible coupling. No. 1,271,122; July 2; v. 252; p. 103.
Blair, Guy C., Hillyard, Wash. Gage. No. 1,280,138; Oct. 1; v. 255; p. 5.
Blair, Harley L., Lewiston, Nebr. Road-grading machine. No. 1,260,134; Mar. 19; v. 248; p. 698.
Blair, Henry W., *et al.* (See McGregor, Charles, assignor.)
Blair, James A., assignor of forty-nine one-hundredths to W. E. Barnhart, Spokane, Wash. Train-order-delivering apparatus. No. 1,252,389; Jan. 8; v. 246; p. 307.
Blair, Joe. (See McClearen, William M., assignor.)
Blair, John, Jr., Rock Springs, Wyo. Combined pneumatic and steel tire. No. 1,252,081; Jan. 1; v. 246; p. 188.
Blair, John H., Chico, assignor of one-sixth to E. C. Binet, Oroville, one-sixth to C. W. Eastin, San Francisco, one-sixth to T. W. Ringland, Oakland, and one-half to J. W. Charge, Butte, Cal. Pitman-wheel. No. 1,264,260; Apr. 30; v. 249; p. 1027.
Blair, Robert S., South Orange, N. J. Mechanical gun. No. 1,284,999; Nov. 19; v. 256; p. 471.
Blair, Samuel, Trenton, N. J. Valve-operating mechanism for engines. No. 1,254,467; Jan. 22; v. 246; p. 958.
Blair, Stuart B., Marquez, Tex. Automobile seal-holder. No. 1,274,668; Aug. 6; v. 253; p. 94.
Blair, Thomas S., Jr., assignor to Blair Engineering Company, Chicago, Ill. Reversing apparatus for regenerative furnaces. No. 1,269,154; June 11; v. 251; p. 324.
Blair, Wiley A., *et al.* (See Hulsey and Herrington, assignors.)
Blair, William R., assignor to Landis Machine Company, St. Louis, Mo. Wax-pot for sewing-machines. No. 1,275,372; Aug. 13; v. 253; p. 315.
Blaisdell Machinery Company. (See Titus, Frank M., assignor.)
Blake, Alfred E. (See Kohman, Hoffman, and Blake.)
Blake, Almon C., assignor to F. J. Wood, Bellingham, Wash. Hollow building-tile. No. 1,263,194; Apr. 16; v. 249; p. 681.
Blake, Alva D., Los Angeles, Cal. Military button. No. 1,267,841; May 28; v. 250; p. 911.
Blake, Charles C., Brookline, assignor to C. C. Blake, Inc., Boston, Mass. Lasted welt-shoe and lasting it. No. 1,261,741; Apr. 2; v. 249; p. 210.

Alphabetical list of patentees—Continued.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Machine for operating upon casting patterns. No. 1,267,842; May 28; v. 250; p. 911.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Welt-slitting machine. No. 1,267,843; May 28; v. 250; p. 911.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Sewing-machine. No. 1,284,856; Nov. 12; v. 256; p. 396.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Shoe. No. 1,284,857; Nov. 12; v. 256; p. 396.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Machine for operating upon casting-patterns. No. 1,284,858; Nov. 12; v. 256; p. 396.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Adhesive joint. No. 1,284,859; Nov. 12; v. 256; p. 397.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Adhesive joint. No. 1,284,860; Nov. 12; v. 256; p. 397.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Making adhesive joints. No. 1,284,861; Nov. 12; v. 256; p. 397.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Adhesive joint. No. 1,284,862; Nov. 12; v. 256; p. 397.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Making shoes. No. 1,284,863; Nov. 12; v. 256; p. 397.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Work-support. No. 1,284,864; Nov. 12; v. 256; p. 398.

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Mechanical movement. No. 1,284,865; Nov. 12; v. 256; p. 398.

Blake, Charles O., El Reno [illegible] Wind-motor. No. 1,277,181; Aug. 27; v. 25[illegible] 880.

Blake, Edmund M., and W. Tipler, Sydenham, Christchurch, New Zealand. Turning-indicator for vehicles. No. 1,280,952; Oct. 8; v. 255; p. 257.

Blake, Eli J., Buffalo, N. Y., assignor to Hall Switch & Signal Co. Light-signal. No. 1,279,638; Sept. 24; v. 254; p. 703.

Blake, George A., Storrs, Conn. Wind-shield attachment. No. 1,287,846; Dec. 17; v. 257; p. 476.

Blake, George W., Wyandotte, Mich. Can-filling machine. No. 1,278,097; Sept. 10; v. 254; p. 234.

Blake, Jesse E., Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Embossing-press. No. 1,285,600; Nov. 26; v. 256; p. 662.

Blake, Lincoln, Hayward, Cal. Single-delivery match-safe. No. 1,268,317; June 4; v. 251; p. 71.

Blake, Ludwig L., South Bend, Ind. Clamp. No. 1,262,300; Apr. 9; v. 249; p. 398.

Blake William H., Boston, Mass. Condenser-pump. No. 1,271,841; July 8; v. 252; p. 337.

Blake, William H., Jersey City, N. J. Razor. No. 1,273,137; July 23; v. 252; p. 754.

Blake, William R., Tonawanda, assignor to Buffalo Bolt Company, Buffalo, N. Y. Method of making nuts. No. 1,277,366; Sept. 3; v. 254; p. 8.

Blakely, Charles A., Plano, Ill. Vise. No. 1,273,319; July 23; v. 252; p. 801.

Blakely, Edward B., assignor to R. M. Hvid Company, Chicago, Ill. Fuel-valve. No. 1,285,907; Nov. 26; v. 256; p. 739.

Blakeslee, Clyde W., assignor of twenty-four and one-half one-hundredths to I. J. McDowell and twenty-four and one-half one-hundredths to W. H. Westbrook, Chicago, Ill. Street-traffic signal. No. 1,254,305; Jan. 22; v. 246; p. 913.

Blakeslee, Frank H., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Feed mechanism. No. 1,260,305; Mar. 26; v. 248; p. 781.

Blakeslee, George S., Chicago, Ill. Dish-holding basket. No. 1,285,000; Nov. 19; v. 256; p. 471.

Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Manufacture of bolts and the like. No. 1,255,504; Feb. 5; v. 247; p. 112.

Blakoe, Robert, London, England. Disk wheel for vehicles. No. 1,276,165; Aug. 20; v. 253; p. 566.

Blalock, Clovis C., El Paso, Tex. Pie-carrier cabinet. No. 1,264,002; Apr. 23; v. 249; p. 923.

Blamfield, Charles, Boston, Mass. Toy pistol. No. 1,260,306; Mar. 26; v. 248; p. 782.

Blamfield, Charles, Boston, Mass. Fire-lighter. No. 1,274,235; July 30; v. 252; p. 1092.

Blamfield, Charles, Boston, Mass. Toy. No. 1,281,492; Oct. 15; v. 255; p. 437.

Blanc, Aimé, Aspen, Colo. Breathing and face-protecting apparatus for rock-drills. No. 1,271,012; July 2; v. 252; p. 74.

Blanc, Louis. (See Schlaepfer and Blanc.)

Blanchard, E. Paine. (See Parker, John O., assignor.)

Blanchard, Frank E., Toledo, assignor of one-third to I. P. Miller, Homeville, Toledo, and one-third to H. L. Rakestraw, Toledo, Ohio. Internal-combustion motor. No. 1,261,097; Apr. 2; v. 249; p. 30.

Blanchard, George L., Pomona, Cal. Blue-flame gas or oil burner. No. 1,271,498; July 2; v. 252; p. 208.

Blanchard, Jean, Bordeaux, France. Velocipede. No. 1,268,918; June 11; v. 251; p. 259.

Blandford, Glen G., Grand Rapids, Mich. Vehicle-spring. No. 1,264,148; Apr. 30; v. 249; p. 995.

Blando, Frank, New York, N. Y. Folding chair. No. 1,275,649; Aug. 13; v. 253; p. 390.

Blangey, Louis. (See Swartz and Blangey.)

Blank, Arthur M. (See Blank, Charles A., assignor.)

Blank, Charles A., assignor of one-half to A. M. Blank, Miller, Ind. Vending-machine. No. 1,267,965; May 28; v. 250; p. 944.

Blankenberger, Joseph, Poseyville, Ind. Fodder-shocker. No. 1,280,378; Oct. 1; v. 255; p. 74.

Blankenhorn, George S., Milwaukee, Wis. Method of and apparatus for making panoramic pictures. No. 1,282,177; Oct. 22; v. 255; p. 662.

Blankenhorn, George W., and T. Castberg, San Francisco, Cal. Can-end separator and feeder. No. 1,272,764; July 16; v. 252; p. 625.

Blankenship, Richard, assignor of one-half to A. A. Irvine, Washington, D. C. Shore. No. 1,264,261; Apr. 30; v. 249; p. 1027.

Blankenship, William B., Chip, Ky. Switch-lock. No. 1,281,127; Oct. 8; v. 255; p. 305.

Blanks, James L., Beresford, S. D. Dish-washing machine. No. 1,281,493; Oct. 15; v. 255; p. 438.

Blann, Jesse A., Phoenix, N. Y. Machine for forming paper tubes or cores. No. 1,280,647; Oct. 8; v. 255; p. 173.

Blansett, John E., assignor of one-fourth to H. E. Bowles, Teton, Idaho. Swivel-hook. No. 1,266,390; May 14; v. 250; p. 447.

Blanton, John R., Fort Worth, Tex. Belt. No. 1,260,307; Mar. 26; v. 248; p. 782.

Blasier, George F., North Tonawanda, assignor to Buffalo Bolt Company, Buffalo, N. Y. Machine for square-trimming metal articles. No. 1,277,367; Sept. 3; v. 254; p. 8.

Blasier, Mortimer W., Auburn, N. Y. Combined gear-shifting and brake-applying device. No. 1,285,601; Nov. 26; v. 256; p. 662.

Blasinsky, Anton, *et al.* (See Cheselka, Peter, assignor.)

Blasius, Michael, Union Hill, N. J. Vehicle-signal. No. 1,263,195; Apr. 16; v. 249; p. 681.

Blatt, Alfred W., Centerport, Pa. Nut-shelling machine. No. 1,257,306; Feb. 26; v. 247; p. 753.

Blatt, Anna. (See Blatt, Max, assignor.)

Blatt, Max, assignor to A. Blatt, Detroit, Mich. Rolling telephone-directory. No. 1,273,722; July 23; v. 252; p. 909.

Blatt, William J., Hollidaysburg, Pa. Internal-combustion engine. No. 1,265,596; May 7; v. 250; p. 197.

Blatz, Albert, Jr. (See Bobroff, Bornett L., assignor.)

Blatzer, Charles L., North Birmingham, Ala. Truck-ladder. No. 1,283,640; Nov. 5; v. 256; p. 53.

Blau, Fritz, Charlottenburg, Germany, assignor to General Electric Company. Manufacture of incandescent lamps. No. 1,269,520; June 11; v. 251; p. 423.

Blau, Minnie, New York, N. Y. Educational device. No. 1,279,504; Sept. 24; v. 254; p. 665.

Blau, William. (See Biro, Ernest, assignor.)

Blauvelt, Thomas E., and J. J. Fooshee, Hurley, N. Mex. Flue-cleaner. No. 1,271,656; July 9; v. 252; p. 287.

Blaw-Knox Company. (See Knox, Luther L., assignor.)

Blaw-Knox Company. (See Knox and Danforth, Jr., assignors.)

Blaw-Knox Company. (See Rawley and Venable, assignors.)

Blaw-Knox Company. (See Venable, William M., assignor.)

Blaw Steel Construction Company. (See Brynoldt, Christian, assignor.)

Blaw Steel Construction Company. (See Desson, Herbert J., assignor.)

Blaw Steel Construction Company. (See Loxterman, Howard B., assignor.)

Blaw Steel Construction Company. (See McArthur, Charles D., assignor.)

Blaylock, Gifford E., Baltimore, Md. Tire-repair method. No. 1,281,757; Oct. 15; v. 255; p. 507.

Blaylock, Gifford E., Baltimore, Md. Tire-valve deflator. No. 1,288,815; Dec. 24; v. 257; p. 740.

Blaylock, John, South Benwell, Newcastle-upon-Tyne, England. Valve-controlling gear for fluid-pressure engines. No. 1,258,860; Mar. 12; v. 248; p. 304.

Blayney, Lillian, Oakdale, Iowa. Reading-table. No. 1,254,969; Jan. 29; v. 246; p. 1135.

Bleach Process Company. (See Wheeler, Frank G., assignor.)

Blease, Herbert F. H. (See Mercer and Blease.)

Blease, Mary, and F. White, Liverpool, England. Apparatus for holding skeins while being wound into balls. No. 1,282,529; Oct. 22; v. 255; p. 757.

Blecher, Carl, Berlin-Dahlem, Germany, assignor to Rotophot Akt. Ges. für Graphische Industrie, Berlin, Germany. Printing-plate for multicolor photo-engraving. No. 1,273,993; July 30; v. 252; p. 1023.

Bledsoe, George, Clinton, N. C. Plow. No. 1,267,502; May 28; v. 250; p. 814.

Bleecker, George C., *et al.*, trustees. (See Ferris, William W., assignor.)

Alphabetical list of patentees—Continued.

Bleichrode, Jacob B., Brooklyn, assignor to Crystal Percolator Company, Inc., New York, N. Y. Coffee-percolator with flexible coupling. No. 1,288,376; Dec. 17; v. 257; p. 605.
Bleile, Albert, Dayton, Ohio. Device for handling crackers and the like. No. 1,268,919; June 11; v. 251; p. 259.
Bleile, Albert, Dayton, Ohio. Device for feeding cakes and the like. No. 1,272,608; July 16; v. 252; p. 580.
Bleile, Albert, Dayton, Ohio. Device for removing cakes from carrier-sheets. No. 1,273,796; July 23; v. 252; p. 929.
Blessing, Charles A., Jr., Philadelphia, Pa. Elevator-gate-locking apparatus. No. 1,273,570; July 23; v. 252; p. 870.
Blessing, Charles B., Oakland, Cal. Fruit-juice extractor. No. 1,258,981; Mar. 12; v. 248; p. 339.
Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Substation switch-hook. No. 1,256,512; Feb. 19; v. 247; p. 486.
Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone calling device. No. 1,277,840; Sept. 3; v. 254; p. 141.
Blessing, John G., and B. D. Willis, assignors to Automatic Electric Company, Chicago, Ill. Automatic telephone-switch. No. 1,256,511; Feb. 19; v. 247; p. 486.
Blest, Minot C., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Bracing for cars. No. 1,262,301; Apr. 9; v. 249; p. 398.
Blest, Minot C., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Discharge-door-operating mechanism. No. 1,267,363; May 28; v. 250; p. 775.
Blest, Minot C., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Bracing and door-stop for cars. No. 1,267,364; May 28; v. 250; p. 776.
Bletcher, Ralph E., Spokane, Wash. Silencer. No. 1,251,956; Jan. 1; v. 246; p. 152.
Blevins, Alonzo. (See Body, Johnson, Kilgore, and Blevins.)
Blevins, Emory L., Whitlash, Mont. Can. No. 1,284,571; Nov. 12; v. 256; p. 323.
Blevins, Wade H. (See Helms and Blevins.)
Blewett, Arthur R., Pendleton, Oreg. Motor-vehicle. No. 1,282,033; Oct. 22; v. 255; p. 621.
Blieberger, Gustav, assignor to Anthony-Hammond Chemical Works, Inc., New York, N. Y. Making beta-naphthol benzoate. No. 1,254,970; Jan. 29; v. 246; p. 1135.
Bliesener, Willis J. (See Park, James M., assignor.)
Bliley, George B., Richmond, Va. Toy. No. 1,274,979; Aug. 6; v. 253; p. 181.
Bliss Bros., Co. (See Eklund, Alexander, assignor.)
Bliss, Charles F., *et al.* (See Nagel, George W., assignor.)
Bliss, Dave, *et al.* (See Brown, Theodore H., assignor.)
Bliss, Donald M., West Orange, N. J. Diaphragm. No. 1,277,538; Sept. 3; v. 254; p. 56.
Bliss, Donald M., West Orange, N. J. Sound-reproducer and diaphragm therefor. No. 1,284,222; Nov. 12; v. 256; p. 234.
Bliss & Drake. (See Mecker, Charles C., assignor.)
Bliss, Elmer J., assignor to Regal Shoe Company, Boston, Mass. Shoe. No. 1,258,629; Mar. 5; v. 248; p. 200.
Bliss, William L., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Insulated electric conductor. No. 1,257,669; Feb. 26; v. 247; p. 859.
Bliss, William L., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Carbon-pile support. No. 1,259,206; Mar. 12; v. 248; p. 403.
Bliss, William L., Niagara Falls, N. Y., assignor, by mesne assignments, to U. S. Light & Heat Corporation. Electric-lighting system. No. 1,261,347; Apr. 2; v. 249; p. 101.
Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Regulating means for battery-charging. No. 1,284,223; Nov. 12; v. 256; p. 235.
Bliss, William L., New York, assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. System of electrical distribution. No. 1,272,328; July 9; v. 252; p. 476.
Blist, Albert, San Francisco, Cal. Ventilator. No. 1,285,908; Nov. 26; v. 256; p. 740.
Blixt, Terry, and E. E. Frozeth, Minneapolis, Minn.; said Blixt assignor to N. E. Frozeth, Chicago, Ill. Door-wedging mechanism. No. 1,251,467; Jan. 1; v. 246; p. 5.
Blixt, Terry, and E. E. Frozeth, Minneapolis, Minn.; said Blixt assignor to N. E. Frozeth, Chicago, Ill. Safety-vault. No. 1,256,869; Feb. 19; v. 247; p. 590.
Bloch, A. D., *et al.* (See Mershon, Arthur U., assignor.)
Bloch, Aaron, Brooklyn, N. Y. Lamp-shade holder. No. 1,265,167; May 7; v. 250; p. 82.
Bloch, Adolph, Portland, Oreg. Parliamentary guide. No. 1,258,861; Mar. 12; v. 248; p. 304.
Bloch, Charles F., Rocky Ford, Colo. Wrench. No. 1,260,505; Mar. 26; v. 248; p. 841.
Bloch, Richard, and F. Suess, assignors to The Kursheedt Manufacturing Company, New York, N. Y. Embroidery-frame. No. 1,257,271; Feb. 19; v. 247; p. 708.
Blocher, Solomon L., Packerton, Ind. Farm-tractor. No. 1,267,503; May 28; v. 250; p. 814.
Block, Benjamin B., Los Angeles, Cal. Water-supply means for internal-combustion engines. No. 1,264,764; Apr. 30; v. 249; p. 1165.
Block, Emmert C. (See Mann, George W., assignor.)
Block, John. (See Myers, Melvin A., assignor.)
Block, Louis, Mamaroneck, N. Y. Condenser. No. 1,271,268; July 2; v. 252; p. 146.
Block, Louis, Mamaroneck, N. Y. Manufacture of non-alcoholic malt beer. No. 1,271,269; July 2; v. 252; p. 146.
Block, Paul J., Ballinger, Tex. Tongue-supporting attachment for cultivators and planters. No. 1,252,225; Jan. 1; v. 246; p. 226.
Blocki, Frank A., Sheboygan, Wis. Lifter-guard for lodged grain. No. 1,258,740; Mar. 12; v. 248; p. 269.
Blocksom, Berget H., assignor to Wilson & Co., Inc., Chicago, Ill. Game-ball and making same. No. 1,277,368; Sept. 3; v. 254; p. 9.
Blocksom, Berget H., assignor to Wilson & Co., Chicago, Ill. Combined sleeping-bag and mattress. No. 1,284,046; Nov. 5; v. 256; p. 159.
Bloede, Victor G., Catonsville, Md. Manufacturing vegetable glue. No. 1,257,307; Feb. 26; v. 247; p. 753.
Bloede, Victor G., Baltimore, Md. Composition of matter to be used for the manufacture of envelops and the gumming of paper. No. 1,268,672; June 4; v. 251; p. 171.
Bloede, Victor G., Catonsville, Md. Process of manufacturing vegetable glue. No. 1,269,678; June 18; v. 251; p. 500.
Bloede, Victor G., Catonsville, Md. Manufacturing vegetable glue. No. 1,273,571; July 23; v. 252; p. 870.
Bloemker, Henry W., assignor to J. Hancock, Philadelphia, Pa. Wire bending and forming machine. No. 1,282,530; Oct. 22; v. 255; p. 757.
Blogg, John K., Albany Crescent, Surrey Hills, Victoria, Australia. Process and apparatus for the oxygenation and polymerization of oils. No. 1,284,572; Nov. 12; v. 256; p. 323.
Blohm, George, El Centro, Cal. Cotton-cultivator. No. 1,257,792; Feb. 26; v. 247; p. 895.
Blom, Reidar, Rjukan, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Manufacturing ammonium nitrate. No. 1,256,513; Feb. 19; v. 247; p. 487.
Blomberg, Charles J. U., Bridgewater, S. D. Means for repairing horse-collars. No. 1,286,213; Dec. 3; v. 257; p. 7.
Blomberg, William T., assignor to The Palm Brothers Company, New York, N. Y. Process of transferring decalcomania designs and insignia. No. 1,256,433; Feb. 12; v. 247; p. 427.
Blomfield, Alfred L., Denver, Colo., assignor to The Dorr Company. Classifier. No. 1,260,135; Mar. 19; v. 248; p. 699.
Blomquist, August, Chicago, Ill. Hot-water attachment for gas-stoves. No. 1,285,001; Nov. 19; v. 256; p. 471.
Blomster, Joel, and J. Schaben, Algona, Iowa. Auxiliary attachment for engines. No. 1,279,973; Sept. 24; v. 254; p. 800.
Blomster, Joel, and J. Schaben, Algona, Iowa. Spark-plug. No. 1,279,974; Sept. 24; c. 254; p. 800.
Blomstrom, Lowell C., Detroit, Mich. Taper-gage. No. 1,268,814; June 11; v. 251; p. 230.
Blondes, Harry L., Cleveland, Ohio. Print-developing machine. No. 1,256,290; Feb. 12; v. 247; p. 384.
Blood, Mattie E., Hillsboro Upper Village, N. H. Sewing-machine gage. No. 1,278,296; Sept. 10; v. 254; p. 288.
Bloodgood, James H., South Jacksonville, assignor of one-half to E. C. Broward, Jacksonville, Fla. Portable hand-planer. No. 1,272,196; July 9; v. 252; p. 438.
Bloom, Camdon L. (See Hough, Frank A., assignor.)
Bloom, Edgar J., Tiffin, Ohio. Accelerator auxiliary pedal. No. 1,269,780; June 18; v. 251; p. 529.
Bloom, Ira I., New York, N. Y. Toy. No. 1,258,862; Mar. 12; v. 248; p. 305.
Bloom, James L., Jr., Lock Haven, Pa. Joint for driving mechanism. No. 1,284,047; Nov. 5; v. 256; p. 159.
Bloom, Joel W., Mascot, Nebr. Press-wheel attachment for listers. No. 1,259,826; Mar. 19; v. 248; p. 610.
Bloom, Orvis D. (See Stitt and Bloom.)
Bloom, Tillie, Brooklyn, N. Y. Convertible bed No. 1,285,909; Nov. 26; v. 256; p. 740.
Bloomberg, Casper, assignor to Crown Suspender Company, New York, N. Y. Cigarette-case. No. 1,285,602; Nov. 26; v. 256; p. 662.
Bloomer, Reuben H., Council Bluffs, Iowa. Stock-watering tank. No. 1,277,688; Sept. 3; v. 254; p. 99.
Bloomer, Reubin H., Council Bluffs, Iowa. Stock-watering device. No. 1,281,758; Oct. 15; v. 255; p. 507.
Bloomdahl, Albin G. (See Dick and Bloomdahl.)
Bloomfield, John C., East Columbus, Ohio. Combined drag and harrow. No. 1,254,568; Jan. 22; v. 246; p. 987.
Blossfeld, Emil, San Francisco, Cal. Leather belt. No. 1,263,196; Apr. 16; v. 249; p. 681.
Blount Plow Works. (See Phelps, Spencer H., assignor.)
Blows, Wilbur L., Waukegan, Ill. Feed-hopper. No. 1,274,375; Aug. 6; v. 253; p. 8.
Bludworth, William D., Sacramento, Cal. Fish-screen. No. 1,262,007; Apr. 9; v. 249; p. 317.
Blue, John, Orosi, Cal. Detachable hay-rack. No. 1,257,575; Feb. 26; v. 247; p. 832.
Blum, Charles, Suresnes, France. Motor-car. No. 1,263,641; Apr. 23; v. 249; p. 824.

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Blum, Harry, Johnstown, Pa. Comb-cleaning device. No. 1,285,910; Nov. 26; v. 256; p. 740.
Blumberg, Hamilton G., San Antonio, assignor to Blumberg Motor Manufacturing Company, Orange, Tex. Cylinder-head. No. 1,282,531; Oct. 22; v. 255; p. 758.
Blumberg, Hamilton G., San Antonio, assignor to Blumberg Motor Manufacturing Company, Orange, Tex. Bearing for crank-shafts. No. 1,282,672; Oct. 22; v. 255; p. 797.
Blumberg Motor Manufacturing Company. (See Blumberg, Hamilton G., assignor.)
Blumberg, Paul. (See Melli and Blumberg.)
Blumenberg, Frieda, *et al.* (See Blumenberg, Henry, Jr., assignor.)
Blumenberg, Henry, assignor, by mesne assignments, to C. I. Hinman, Los Angeles, Cal. Treating borax ores. No. 1,259,717; Mar. 19; v. 248; p. 579.
Blumenberg, Henry, assignor to C. I. Hinman, Los Angeles, Cal. Treating borax ores. No. 1,259,718; Mar. 19; v. 248; p. 579.
Blumenberg, Henry, assignor to C. I. Hinman, Los Angeles, Cal. Treating borax ores. No. 1,259,719; Mar. 19; v. 248; p. 579.
Blumenberg, Henry, Jr., assignor to C. Allen, Los Angeles, Cal. Treating phosphate materials. No. 1,251,741; Jan. 1; v. 246; p. 90.
Blumenberg, Henry, Jr., assignor to C. Allen, Los Angeles, Cal. Treating phosphate material. No. 1,251,742; Jan. 1; v. 246; p. 91.
Blumenberg, Henry, Jr., assignor to C. Allen, Los Angeles, Cal. Making acid calcium phosphates. No. 1,252,318; Jan. 1; v. 246; p. 253.
Blumenberg, Henry, Jr., Los Angeles, Cal., assignor to F. Blumenberg, New York, N. Y. Fertilizer and process of making same. No. 1,266,199; May 14; v. 250; p. 398.
Blumenberg, Henry, Jr., Los Angeles, Cal., assignor to F. Blumenberg, New York, N. Y. Plaster composition. No. 1,266,200; May 14; v. 250; p. 398.
Blumenberg, Henry, Jr., assignor to Chemical Construction Company, Los Angeles, Cal. Extracting soluble potassium salt from feldspar, &c. No. 1,286,513; Dec. 3; v. 257; p. 82.
Blumenberg, Henry, Jr., Oro Grande, assignor to Golden State Portland Cement Company, Los Angeles, Cal. Fertilizer. No. 1,270,688; June 25; v. 251; p. 800.
Blumenberg, Henry, Jr., assignor of one-half to F. Blumenberg, New York, N. Y., and one-half to J. J. Seeman, Los Angeles, Cal. Making a fertilizer. No. 1,266,198; May 14; v. 250; p. 398.
Blumenberg, Henry, Jr., Los Angeles, assignor of one-third to H. F. Stewart, South Pasadena, Cal., one-third to F. Blumenberg, New York, N. Y., and one-third to G. D. Robertson, Los Angeles, Cal. Making superphosphate. No. 1,255,829; Feb. 5; v. 247; p. 207.
Blumenberg, Moxley, Portland, Me., by judicial change of name to M. Hill. Motion-picture screen. No. 1,269,552; June 11; v. 251; p. 431.
Blumenstein, John H., La Grande, Oreg. Blasting-cartridge. No. 1,263,366; Apr. 23; v. 249; p. 747.
Blumenthal, Alfred, New York, N. Y. Wall cleaning and sizing apparatus. No. 1,255,695; Feb. 5; v. 247; p. 167.
Blumenthal, Ferdinand, Cologne-Braunsfeld, Germany. Manufacturing a water-softening reagent. No. 1,285,603; Nov. 26; v. 256; p. 662.
Blumenthal, Louis, Brooklyn, N. Y. Knife-sharpener for cloth-cutting machines. No. 1,282,735; Oct. 29; v. 255; p. 840.
Blumenthal, Maurice, Brooklyn, N. Y. Method of and apparatus for making foundations. No. 1,279,834; Sept. 24; v. 254; p. 761.
Blumrick, Howard G., Auburn, N. Y. Display-form. No. 1,251,957; Jan. 1; v. 246; p. 152.
Blundell, Mary R. (See Blundell, William C., assignor.)
Blundell, William C., Los Angeles, Cal. Low-water alarm. No. 1,259,720; Mar. 19; v. 248; p. 579.
Blundell, William C., assignor of one-half to M. R. Blundell, Los Angeles, Cal. Water-indicating means for steam-boilers. No. 1,267,622; May 28. v. 250; p. 849.
Blunt, Arthur E., Wendell, Idaho. Gate. No. 1,268,427; June 4; v. 251; p. 102.
Blunt, Laurien E., Wilmette, Ill. Hame-fastener. No. 1,281,277; Oct. 15; v. 255; p. 378.
Blynt, Herbert S., Gallipolis, Ohio. Inner-tube protector for pneumatic tires. No. 1,285,604; Nov. 26; v. 256; p. 662.
Blythe, Herbert K., *et al.* (See Ladwig, Frank O., assignor.)
Boal, Charles L., Zanesville, Ohio. Book-holder. No. 1,254,569; Jan. 22; v. 246; p. 987.
Board, Charles W., Akron, Ohio. Cutter attachment for calenders. No. 1,283,462; Nov. 5; v. 256; p. 6.
Board, Robert V. (See Redecker, Charles, assignor.)
Boardman, Frank. (See Boardman, Frederick R., R. V., and F.)
Boardman, Frederick R., R. V., and F., Upton Park, England. Electric-arc lamp. No. 1,260,747; Mar. 26; v. 248; p. 912.
Boardman, John L., Butte, Mont. Stretcher. No. 1,270,107; June 18; v. 251; p. 615.
Boardman, Richard V. (See Boardman, Frederick R., R. V., and F.)
Boardman, Robert O., Springfield, Ill., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,271,123; July 2; v. 252; p. 104.
Boast, William F., Casper, Wyo. Type-bar holder. No. 1,263,026; Apr. 16; v. 249; p. 633.
Boatright, Jacob, Joplin, Mo. Safety-hook. No. 1,289,096; Dec. 31; v. 257; p. 832.
Bobe, Charles, St. Louis, Mo. Incandescent electric lamp. No. 1,286,514; Dec. 3; v. 257; p. 82.
Bober Auto Parts Corporation. (See Bober, Frank J., assignor.)
Bober, Frank J., assignor to Bober Auto Parts Corporation, St. Louis, Mo. Fender. No. 1,285,002; Nov. 19; v. 256; p. 472.
Bober, John, Hamtramck, Mich. Wheel. No. 1,285,003; Nov. 19; v. 256; p. 472.
Boberg, Teofron. (See Söderlund and Boberg.)
Bobichon, Paul, and A. Faure, Paris, France. Signal device for motor-cars and other vehicles. No. 1,258,741; Mar. 12; v. 248; p. 269.
Bobroff, Bornett L., Milwaukee, Wis. Quick-break switch. No. 1,289,623; Dec. 31; v. 257; p. 963.
Bobroff, Bornett L., assignor to Universal Indicator Co., Milwaukee, Wis. Rotary switch. No. 1,258,305; Mar. 5; v. 248; p. 103.
Bobroff, Bornett L., assignor to Universal Indicator Co., Milwaukee, Wis. Electrically-controlled voting-machine. No. 1,267,504; May 28; v. 250; p. 814.
Bobroff, Bornett L., assignor, by mesne assignments, to A. Blatz, Jr., Milwaukee, Wis. Registering apparatus for voting or the like. No. 1,281,901; Oct. 15; v. 255; p. 547.
Bochard, Ferdinand D., Rocky Ford, Colo. Bucket-supporting bracket. No. 1,255,696; Feb. 5; v. 247; p. 168.
Boche, Otto W., Meriden, Conn. Pin-tumbler vehicle-lock. No. 1,287,198; Dec. 10; v. 257; p. 286.
Bochenek, Paul, New York, N. Y. Combined clamp and wrench. No. 1,282,532; Oct. 22; v. 255; p. 758.
Bock, Adam, Brooklyn, N. Y. Cutting-tool. No. 1,252,082; Jan. 1; v. 246; p. 188.
Bock Bearing Company, The. (See Bingham, Jeremiah, assignor.)
Bock Bearing Company, The. (See Bock, William E., assignor.)
Bock, Edward S., Ellinwood, Kans. Air-brake mechanism. No. 1,253,130; Jan. 8; v. 246; p. 525.
Bock, Ferdinand. (See Beier and Bock.)
Bock, Henry L. (See Bock, William E. and H. L.)
Bock, Joseph, Sr., Cincinnati, Ohio. Soap cooler and compressor. No. 1,271,657; July 8; v. 252; p. 287.
Bock, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing. No. 1,283,057; Oct. 29; v. 255; p. 931.
Bock, William E., Toledo, assignor to The Bock Worm Gear Company, Cleveland, Ohio. Machine for cutting worms. No. 1,275,985; Aug. 13; v. 253; p. 485.
Bock, William E., Toledo, Ohio, assignor to The Bock Bearing Company. Roller-grinding machine. No. 1,286,871; Dec. 3; v. 257; p. 162.
Bock, William E. and H. L., Toledo, Ohio; said H. L. Bock assignor to said William E. Bock. Running-gear for vehicles. No. 1,272,765; July 16; v. 252; p. 625.
Bock Worm Gear Company, The. (See Bock, William E., assignor.)
Bockisch, Heinrich, Poughkeepsie, assignor to M. Welte & Sons, New York, N. Y. Mechanism for synchronizing the operations of moving parts. No. 1,279,639; Sept. 24; v. 254; p. 704.
Bockisch, Heinrich, Poughkeepsie, assignor to M. Welte & Sons, New York, N. Y. Mechanism for synchronizing the operations of moving parts. No. 1,279,640; Sept. 24; v. 254; p. 704.
Böckman, Oulf C., Notodden, Norway. Electrical induction-furnace. No. 1,275,206; Aug. 13; v. 253; p. 269.
Bockmann, Henry D., *et al.* (See Manofsky, Herman E., assignor.)
Bockmier, Paul, Jr., Palouse, Wash. Sanitary drinking-fountain. No. 1,279,233; Sept. 17; v. 254; p. 567.
Bockoven, George A., Whitehall, Mont. Burial-casket. No. 1,275,207; Aug. 13; v. 253; p. 269.
Bockshe, Ely, assignor to Modern Grinder Manufacturing Co., Milwaukee, Wis. Tool-support for grinders. No. 1,275,208; Aug. 13; v. 253; p. 269.
Bocorselski, Frank E., Richmond, Va. Drill-chuck. No. 1,278,427; Sept. 10; v. 254; p. 321.
Bocorselski, Frank E., Richmond, Va. Drill-socket. No. 1,278,428; Sept. 10; v. 254; p. 321.
Boda, William J., Dayton, Ohio. Machine for making propeller-blades. No. 1,277,689; Sept. 3; v. 254; p. 99.
Bodde, Theodore, Lynn, Mass. Alarm-signal. No. 1,274,846; Aug. 6; v. 253; p. 144.
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of regulation for dynamo-electric machines. No. 1,284,224; Nov. 12; v. 256; p. 235.
Boddie, Clarence A., Pitsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulator for dynamo-electric machines. No. 1,284,573; Nov. 12; v. 256; p. 323.

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Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulating system. No. 1,284,574; Nov. 12; v. 256; p. 324.
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulating system for dynamo-electric machines. No. 1,284,866; Nov. 12; v. 256; p. 398.
Boddie, Clarence A., Pittsburgh, and W. M. Bradshaw, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,285,911; Nov. 26; v. 256; p. 740.
Boddington, Henry D., Los Angeles, Cal. Food compound for making custard. No. 1,266,201; May 14; v. 250; p. 398.
Boddington, Henry D., Los Angeles, Cal. Food composition for making cakes and the like. No. 1,266,202; May 14; v. 250; p. 398.
Bode, Harry A., Denver, Colo. Collar-hook. No. 1,281,278; Oct. 15; v. 255; p. 378.
Bodge, William, Nutley, N. J. Rotary pump. No. 1,253,460; Jan. 15; v. 246; p. 652.
Bodimer, Leroy H., Chicago Heights, Ill. Car-door lock. No. 1,281,279; Oct. 15; v. 255; p. 378.
Bodinson, Lars W., assignor to The American Well Works, Aurora, Ill. Centrifugal pump. No. 1,257,793; Feb. 26; v. 247; p. 896.
Bodinson, Lars W., assignor to The American Well Works, Aurora, Ill. Deep-well pump. No. 1,289,624; Dec. 31; v. 257; p. 963.
Bodinson, Lars W., assignor to The American Well Works, Aurora, Ill. Deep-well pump. No. 1,289,625; Dec. 31; v. 257; p. 964.
Bodkin, Irving S. (See Haigh and Bodkin.)
Bodman, John W., Western Springs, Ill. Soap and making the same. No. 1,285,004; Nov. 19; v. 256; p. 472.
Bodri, Christian, assignor of one-half to H. J. Kahrs, New York, N. Y. Clothes-pin. No. 1,274,236; July 30; v. 252; p. 1092.
Body, Joseph J., M. L. Johnson, Dante, C. F. Kilgore, and A. Blevins, Coeburn, assignors of one-fifth to L. Long, Dante, Va. Mine-door. No. 1,255,697; Feb. 5; v. 247; p. 168.
Boeck, Percy A., New York, N. Y., assignor to Celite Products Company, Los Angeles, Cal. Decolorizer. No. 1,272,197; July 9; v. 252; p. 439.
Boeck, Percy A., New York, N. Y., and W. L. Jordan, Glendale, Cal. Heat-insulating material and manufacturing same. No. 1,279,975; Sept. 24; v. 254; p. 801.
Boecking, Ottokar, Hamburg, Germany. Oil-varnish and manufacturing same. No. 1,262,302; Apr. 9; v. 249; p. 398.
Boedicker, Herman C., Minneapolis, Minn. Printing-plate device. No. 1,258,982; Mar. 12; v. 248; p. 339.
Boehck, William E., assignor to New York Revolving Portable Elevator Company, Jersey City, N. J. Manually-operated windlass mechanism for portable elevators. No. 1,257,576; Feb. 26; v. 247; p. 832.
Boehck, William E., Jersey City, and H. S. Germond, Jr., Bayonne, assignors to Revolvator Company, Jersey City, N. J. Portable elevator. No. 1,282,736; Oct. 29; v. 255; p. 841.
Boehm, Arthur R., Hartford, Conn. Attachment for try-squares. No. 1,285,554; Nov. 19; v. 256; p. 610.
Boehringer, Rudolph, Newark, N. J. Oil composition and making the same. No. 1,289,097; Dec. 31; v. 257; p. 833.
Boeing Airplane Company. (See Foley, James C., assignor.)
Boeing Airplane Company. (See Miller, John W., assignor.)
Boekenkamp, Edward. (See Parpert, Boekenkamp and Stockstrom.)
Boeker, Carl H. (See Jaeger, Roth, and Boeker.)
Boelio, Louis N., Chicago, assignor of one-half to L. Johns, Oak Park, Ill. Treating hams to prevent souring. No. 1,271,501; July 2; v. 252; p. 208.
Boericke, John J., Merion, Pa. Recovering values from by-products and ores. No. 1,259,595; Mar. 19; v. 248; p. 545.
Boericke, John J., Merion, Pa. Crucible. No. 1,277,032; Aug. 27; v. 253; p. 838.
Boericke, John J., Merion, Pa. Apparatus for carrying on metallurgical operations. No. 1,277,033; Aug. 27; v. 253; p. 838.
Boericke, John J., Merion, Pa. Producing metals. No. 1,277,034; Aug. 27; v. 253; p. 839.
Boericke, John J., Merion, Pa. Producing metals. No. 1,277,035; Aug. 27; v. 253; p. 839.
Boerner, Arno, Scheveningen, Netherlands. Resilient tire for vehicle-wheels. No. 1,285,605; Nov. 26; v. 256; p. 662.
Boerner, Gustav A. A., Amsterdam, Netherlands. Resilient tire for vehicle-wheels. No. 1,267,505; May 28; v. 250; p. 815.
Boersma, Hendrik F. (See Hambloch, Anton H., assignor.)
Bogard, John H. (See Shannon and Bogard.)
Bogart Company, The. (See Bogart, Fred H., assignor.)
Bogart, Fred H., assignor to The Bogart Company, Philadelphia, Pa. Fluid-operated device. No. 1,284,225; Nov. 12; v. 256; p. 235.
Bogart, Henry W., Cleveland, assignor to The McMyler Interstate Company, Bedford, Ohio. Rotary steam-engine. No. 1,275,373; Aug. 13; v. 253; p. 315.
Bogaty, Herman. (See Kerst and Bogaty.)
Bogert, Eugene. (See Carlough and Bogert.)
Bogdánffy, Alexander, Brooklyn, N. Y. Feeding attachment for crown-cork-making machines. No. 1,273,723; July 23; v. 252; p. 909.
Boggess, William N. (See Fisher, Frank L., assignor.)
Boggs, Henry C., Depew, Okla. Valve-lock. No. 1,258,306; Mar. 5; v. 248; p. 104.
Bogstrand, Ole K., Brooklyn, N. Y. Ship's engine-room signal. No. 1,268,086; June 4; v. 251; p. 5.
Bohaczyk, Edward, Salem, Mass. Horse-collar. No. 1,265,992; May 14; v. 250; p. 339.
Bohan, William J. (See Miller, Clifford O., assignor.)
Bohan, William J., St. Paul, Minn. Lamp. No. 1,273,994; July 30; v. 252; p. 1023.
Bohan, William J., St. Paul, Minn. Lamp. No. 1,273,995; July 30; v. 252; p. 1024.
Bohan, William J., St. Paul, Minn. Locomotive. No. 1,274,376; Aug. 6; v. 253; p. 8.
Bohan, William J., St. Paul, Minn. Car-ladder. No. 1,274,377; Aug. 6; v. 253; p. 8.
Bohan, William J., St. Paul, Minn. Combined steam and electric locomotive. No. 1,282,034; Oct. 22; v. 255; p. 622.
Bohan, William J., St. Paul, Minn. Metal car-roof. No. 1,285,912; Nov. 26; v. 256; p. 740.
Bohan, William J., St. Paul, Minn. Door-locking mechanism. No. 1,288,487; Dec. 24; v. 257; p. 659.
Bohannan, Robert S., Ensley, Ala., assignor to National Steel Products Company. Guard-rail structure. No. 1,268,087; June 4; v. 251; p. 5.
Bohlinger, Afred P., St. Louis, Mo. Antifriction device. No. 1,252,541; Jan. 8; v. 246; p. 352.
Bohlman, George J., Medford, Mass. Bottle-lock. No. 1,279,077; Sept. 17; v. 254; p. 528.
Bohlmann, Eduard C., Adell, Wis. Power transmission. No. 1,254,468; Jan. 22; v. 246; p. 958.
Bohm, Charles, Du Bois, Nebr. Corn-harvester. No. 1,257,972; Mar. 5; v. 248; p. 7.
Bohm, Charles, Du Bois, Nebr. Corn-harvester. No. 1,285,005; Nov. 19; v. 256; p. 473.
Bohmker, John C., Bradley, assignor to Sears, Roebuck and Company, Chicago, Ill. Mower. No. 1,254,879; Jan. 29; v. 246; p. 1111.
Bohmker, John C., Bradley, assignor to Sears, Roebuck and Company, Chicago, Ill. Tractor. No. 1,256,651; Feb. 19; v. 247; p. 526.
Bohmker, John C., and J. Geistwhite, Kankakee, assignors to Sears, Roebuck and Company, Chicago, Ill. Plow. No. 1,275,209; Aug. 13; v. 253; p. 270.
Bohn, Frank, Baltimore, Md. Surgical instrument. No. 1,274,669; Aug. 6; v. 253; p. 94.
Bohn, Gebhard C., St. Paul, Minn. Refrigerator-door. No. 1,263,843; Apr. 23; v. 249; p. 878.
Bohn, René, Mannheim, Germany, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. New anthracene dyes and making same. No. 1,280,648; Oct. 8; v. 255; p. 174.
Bohn, René, Mannheim, and P. Nawiasky, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Chromium compound of azo dyes. No. 1,264,604; Apr. 30; v. 249; p. 1124.
Bohn, René, O. Bally, and H. Wolff, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Tanning. No. 1,281,494; Oct. 15; v. 255; p. 438.
Bohne, Henry, Dodge, Nebr. Resilient wheel. No. 1,279,234; Sept. 17; v. 254; p. 568.
Bohnenkemper, George C., Denver, Colo. Lawn-sprinkler. No. 1,272,609; July 16; v. 252; p. 581.
Bohnstengel, Arthur H. (See Ralya, William S., assignor.)
Bohy, Alfred, Albia, Iowa. Agitator for washing-machines. No. 1,286,923; Dec. 10; v. 257; p. 215.
Boies, David, Scranton, Pa. Car-bumper. No. 1,284,226; Nov. 12; v. 256; p. 235.
Boig, James H. C., Los Angeles, Cal. Cotton-picker device. No. 1,253,774; Jan. 15; v. 246; p. 741.
Boissier, Edgar. (See Henry, George W., assignor.)
Boisvert, Philippe, Lowell, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler-motion for looms. No. 1,289,626; Dec. 31; v. 257; p. 964.
Boiteau, Simeon, Jr. (See Bedard and Boiteau.)
Boitout, Victor, San Francisco, Cal. Circular dado and molding plane. No. 1,261,348; Apr. 2; v. 249; p. 102.
Boivin, Arcade G., Cohoes, and F. J. Davignon, Troy, N. Y. Tire-protector and auxiliary tread. No. 1,260,506; Mar. 26; v. 248; p. 841.
Bojko, Emil, Meacham, Saskatchewan, Canada. Tool. No. 1,284,575; Nov. 12; v. 256; p. 324.
Boker, Carl F. (See Neff, Robert C., assignor.)
Boker Cutlery & Hardware Co. (See Grossmann, Henry, assignor.)
Bokum, William F. (See Booth, Miller, and Bokum.)
Boland Aeroplane & Motor Company. (See Boland, Francis E., assignor.)

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Boland, Francis E., Rahway, N. J., assignor to Boland Aeroplane & Motor Company, New York, N. Y. Aeronautic apparatus. No. 1,277,036; Aug. 27; v. 253; p. 839.
Bolander, Jacob, Toronto, Ontario, Canada. Bag-holder. No. 1,269,577; June 18; v. 251; p. 471.
Bold, Herbert, Detroit, Mich. Oil-cup. No. 1,288,488; Dec. 24; v. 257; p. 660.
Bolen, Charles C. (See Robertson and Bolen.)
Bolens, Harry W., Port Washington, Wis. Chair-iron. No. 1,272,365; July 16; v. 252; p. 513.
Bolens, Harry W., Port Washington, Wis. Chair-iron. No. 1,282,935; Oct. 22; v. 255; p. 622.
Bolger, Hattie, Richmond Hill, N. Y. Sanitary belt. No. 1,285,913; Nov. 26; v. 256; p. 741.
Bolin, Richard H., Rochester, N. Y. Glass manufacture. No. 1,280,139; Oct. 1; v. 255; p. 5.
Bolinder, Erik A., Stockholm, Sweden. Making barrels and casks. No. 1,286,214; Dec. 3; v. 257; p. 7.
Bollo, Armando E., Merida, Mexico. Torpedo-guard. No. 1,261,349; Apr. 2; v. 249; p. 102.
Bollbuck, Emil H. A., Los Angeles, Cal. Brick-kiln. No. 1,277,539; Sept. 3; v. 254; p. 57.
Bolles, William B., Milwaukee, Wis. Door-lock-operating mechanism. No. 1,280,649; Oct. 8; v. 255; p. 174.
Bolles, William B., Milwaukee, Wis. Antipanic-lock-operating mechanism. No. 1,288,816; Dec. 24; v. 257; p. 740.
Bolliger, Joachim, Monroe, Wis. Saw-clamp. No. 1,288,817; Dec. 24; v. 257; p. 740.
Bölling, Georg H. H., Christiania, Norway. Apparatus for burning pitch. No. 1,272,198; July 9; v. 252; p. 439.
Bollinger, Charles, Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Recirculation system. No. 1,254,650; Jan. 29; v. 246; p. 1039.
Bollinger, Frederick A., Akron, Ohio. Train-controlling apparatus. No. 1,257,794; Feb. 26; v. 247; p. 896.
Bollinger, Simon G., Bayard, Nebr. Sugar-beet harvester. No. 1,283,641; Nov. 5; v. 256; p. 54.
Bollmann, Hermann, Hamburg, Germany. Manufacture of foodstuffs. No. 1,260,656; Mar. 26; v. 248; p. 886.
Bolser, Archibald T., Dayton, Ohio. Signal device for automobiles. No. 1,273,816; July 30; v. 252; p. 973.
Bolser, Benjamin M., Centerville, Wash. Steering device. No. 1,276,318; Aug. 20; v. 253; p. 608.
Bolstad, Hans D. (See Erickson and Bolstad.)
Bolt, Rufus R., Canton, Ohio. Nut-lock. No. 1,270,108; June 18; v. 251; p. 616.
Bolton, Frederick J. E., Loraine, N. D. Binder attachment. No. 1,269,781; June 18; v. 251; p. 529.
Bolton, George J., Sayre, Pa. Game apparatus. No. 1,254,767; Jan. 29; v. 246; p. 1076.
Bolton, George W., Nashville, Tenn. Combined fuel-economizer and carbon-eliminator for gas-engines. No. 1,263,735; Apr. 23; v. 249; p. 848.
Bolton, Ida E., *et al.*, executors. (See Boxley, George.)
Bolton, John T., assignor to The Forsyth Dyeing Co., New Haven, Conn. Web stretching and guiding device. No. 1,262,740; Apr. 16; v. 249; p. 551.
Bolton, William, *et al.*, executors. (See Boxley, George.)
Boltz, Maud I., Pottsville, Pa. Undergarment. No. 1,277,841; Sept. 3; v. 254; p. 141.
Boltz, Solomon H., assignor of one-fourth to G. H. Smith, Philadelphia, Pa. Container for cakes, crackers, &c. No. 1,272,903; July 16; v. 252; p. 665.
Bolus, Glenn H., assignor to The Ohio Brass Company, Mansfield, Ohio. Section-insulator. No. 1,285,006; Nov. 19; v. 256; p. 473.
Bolus, William G., Corliss, assignor to J. T. Webers, Racine Junction, Wis. Manually-wielded seeder. No. 1,252,542; Jan. 8; v. 246; p. 352.
Bolyki, John, Bruceville, Ind. Carousel. No. 1,275,834; Aug. 13; v. 253; p. 442.
Boman, Carl W., Medford, Mass. Boring apparatus. No. 1,286,515; Dec. 3; v. 257; p. 82.
Boman, Claes W., assignor to Eagle Pencil Company, New York, N. Y. Fountain-pen. No. 1,262,438; Apr. 9; v. 249; p. 437.
Bombach, Andrew A., Lorain, Ohio. Ship-protector. No. 1,262,439; Apr. 9; v. 249; p. 437.
Bomberger, Moses, Cumru township, Berks county, assignor to Orr & Sembower, Inc., Reading, Pa. Explosive-engine. No. 1,263,367; Apr. 23; v. 249; p. 747.
Bomberger, Moses, Cumru township, Berks county, assignor to Orr & Sembower, Inc., Reading, Pa. Spark and exhaust mechanism for explosive-engines. No. 1,265,876; May 14; v. 250; p. 306.
Bomeisler, Carl, New York, N. Y. Bottle-stopper. No. 1,260,629; Mar. 26; v. 248; p. 878.
Bommer, Emil, Brooklyn, N. Y. Housing for spring-hinges. No. 1,265,597; May 7; v. 250; p. 197.
Boncher, Daniel J. and W. E. Draeb, Kewaunee, Wis. File-case-handling device. No. 1,258,309; Mar. 5; v. 248; p. 104.
Bond, Austin, New York, N. Y. Slicing-machine. No. 1,273,138; July 23; v. 252; p. 755.
Bond, Edgar M., Worcester, Mass. Ice-harvesting machinery. No. 1,268,088; June 4; v. 251; p. 6.
Bond, George T., Huntington, W. Va. Brake-shoe. No. 1,282,737; Oct. 29; v. 255; p. 841.
Bond, George T., Huntington, W. Va. Brake-shoe. No. 1,282,738; Oct. 29; v. 255; p. 841.
Bond, George T., Huntington, W. Va. Brake-shoe. No. 1,282,739; Oct. 29; v. 255; p. 842.
Bond, George T., Huntington, W. Va. Brake-shoe. No. 1,282,740; Oct. 29; v. 255; p. 842.
Bond, John, Brooklyn, N. Y. Signaling device. No. 1,287,847; Dec. 17; v. 257; p. 477.
Bond, Joseph D., Chicago, Ill. Broom. No. 1,284,576; Nov. 12; v. 256; p. 324.
Bond, Peter M., San Francisco, Cal. Metal sign. No. 1,284,048; Nov. 5; v. 256; p. 160.
Bond, William A., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,261,749; Apr. 2; v. 249; p. 212.
Bonderson, John, Emerson, Nebr. Hydrant. No. 1,269,044; June 11; v. 251; p. 291.
Bonds, William F., Tucumcari, N. Mex. Crutch. No. 1,265,993; May 14; v. 250; p. 339.
Bone, David R., Oglesby, Tex. Heat-producing process. No. 1,281,902; Oct. 15; v. 255; p. 547.
Bone, Evan P., New Richmond, Ohio. Headlight. No. 1,280,953; Oct. 8; v. 255; p. 257.
Bone, Robert B., New Haven, Conn. Paper-padding apparatus. No. 1,285,914; Nov. 26; v. 256; p. 741.
Bone, Russell G., Milledgeville, Ga. Hollow clay-tile building-block. No. 1,263,027; Apr. 16; v. 249; p. 633.
Bone, William A., J. W. Wilson, Leeds, and C. D. McCourt, assignors to Radiant Heating Limited, London, England. Heat-developing apparatus. No. 1,253,342; Jan. 15; v. 246; p. 616.
Bonelli, Liborio C., San Antonio, Tex. Wrench. No. 1,258,526; Mar. 5; v. 248; p. 168.
Bonelli, Liborio C., San Antonio, Tex. Resilient wheel. No. 1,264,765; Apr. 30; v. 249; p. 1166.
Boner, William W., Estacada, Oreg. Automobile jack and rest. No. 1,266,909; May 21; v. 250; p. 622.
Bongartz, Benno J., Brooklyn, assignor to United States Air Craft Corporation Inc., New York, N. Y. Aviator's instruction-machine. No. 1,272,766; July 16; v. 252; p. 626.
Bonham, Frank E., St. Paul, Minn. Razor-blade sharpener. No. 1,262,008; Apr. 9; v. 249; p. 318.
Bonham, Guy L., West Hartford, Conn. Safety-razor. No. 1,264,605; Apr. 30; v. 249; p. 1124.
Bonichou, J. Ernest. (See Hall, William D., assignor.)
Bonine, Charles E., Melrose Park, assignor to H. Hess, Philadelphia, Pa. Soldering compound. No. 1,261,209; Apr. 2; v. 249; p. 61.
Boning, Augustus, London, England. Mounting of pictures. No. 1,270,370; June 25; v. 251; p. 713.
Bonk, Edward, and M. Plotka, Chilton, Wis. Can-handling device. No. 1,252,226; Jan. 1; v. 246; p. 227.
Bonneau, Louis C., St. Denis, and V. E. Hasenfratz, Levallois-Perret, France. Treatment of the residue from gas purification known as crude ammoniac. No 1,253,571; Jan. 15; v. 246; p. 683.
Bonner, Joseph C., Toledo, Ohio. Transportation system. No. 1,280,140; Oct. 1; v. 255; p. 6.
Bonner, Joseph C., Toledo, Ohio. Transportation system. No. 1,280,141; Oct. 1; v. 255; p. 6.
Bonner, Joseph C., Toledo, Ohio. Vehicle alining and storing means. No. 1,280,143; Oct. 1; v. 255; p. 7.
Bonner, Joseph C., Toledo, Ohio. Railway freight terminal and system. No. 1,280,144; Oct. 1; v. 255; p. 7.
Bonney, Albert E., Milwaukie, Oreg. Centering gage. No. 1,280,379; Oct. 1; v. 255; p. 74.
Bonney, Bick R., Omaha, assignor of forty one-hundredths to V. F. Hofman and fifteen one-hundredths to C. O. Johnson, Havelock, Nebr. Road-grading machine. No. 1,255,285; Feb. 5; v. 247; p. 48.
Bonney-Floyd Company, The. (See Dorsey, Walter A., assignor.)
Bonney-Floyd Company, The. (See Floyd, Walter B., assignor.)
Bonney, Harold H., Louisville, Ill. Lock for automobiles. No. 1,266,391; May 14; v. 250; p. 447.
Bonney, Henry G., Philadelphia, Pa. Wrench. No. 1,270,484; June 25; v. 251; p. 746.
Bono, Michelangelo, New York, N. Y. Brake for phonographs. No. 1,259,596; Mar. 19; v. 248; p. 545.
Bonora, Menotti, Turin, Italy. Primary battery. No. 1,269,679; June 18; v. 251; p. 500.
Bonsall, Charles D., assignor to P. H. Murphy Company, Parnassus, Pa. Metal carline for freight-car roofs. No. 1,260,507; Mar. 26; v. 248; p. 842.
Bonsieur, Le, assignor to The Garford Manufacturing Company, Elyria, Ohio. Phonograph. No. 1,265,295; May 7; v. 250; p. 116.
Bontya, John, Trenton, N. J. Condiment-holder. No. 1,279,235; Sept. 17; v. 254; p. 568.
Bonwed, Incorporated. (See Farnworth and Jackson, assignors.)
Boode, Magnus, Lacombe, Alberta, Canada. Feed-grinding machine. No. 1,269,899; June 18; v. 251; p. 562.
Boogaard, Johannes, Grangeville, Idaho. Handy oil-can. No. 1,285,606; Nov. 26; v. 256; p. 663.
Bookman, Seymour. (See Manahan, Joseph A., assignor.) (Reissue.)
Boomer, Elliott J. (See Sperry and Boomer.)

Boomer, Frank S., assignor to H. E. Kuhn, Farmland, Ind. Rope-end clip. No. 1,283,438; Oct. 29; v. 255; p. 1031.
Boomer, George A., assignor to The Plume & Atwood Mfg. Co., Waterbury, Conn. Bowl-hanger for semi-indirect-lighting fixtures. No. 1,260,863; Mar. 26; v. 248; p. 944.
Boomer, George A., assignor to The Plume & Atwood Mfg. Co., Waterbury, Conn. Electric-lighting fixture. No. 1,261,477; Apr. 2; v. 249; p. 136.
Boomershine, Adam, Dayton, Ohio. Oil-protector for brake-drums. No. 1,270,776; July 2; v. 252; p. 6.
Boone, Millard F., Pensacola, Fla. Belt-tightener for power transmission. No. 1,252,227; Jan. 1; v. 246; p. 227.
Boos, August N. E., New York, N. Y. Universal service protecting and recording check and receipt. No. 1,257,795; Feb. 26; v. 247; p. 897.
Boos, Edward H., Missoula, Mont. Type-composing apparatus. No. 1,252,083; Jan. 1; v. 246; p. 189.
Boos, Henry. (See Boos, Orlando J., H., and H.)
Boos, Horace. (See Boos, Orlando J., H., and H.)
Boos, Orlando J., Los Angeles, Cal. Inclination-indicator No. 1,267,049; May 21; v. 250; p. 662.
Boos, Orlando J., H., and H., Los Angeles, Cal. Tray-discharge for conveyers. No. 1,270,000; June 18; v. 251; p. 587.
Boos, Orlando J., H., and H., Los Angeles, Cal. Conveyer mechanism. No. 1,270,001; June 18; v. 251; p. 588.
Boose, James F., Westville, Ill. Cultivator-shovel. No. 1,260,958; Mar. 26; v. 248; p. 969.
Boosey, Edward W. N., Detroit, Mich. Floor-drain. No. 1,283,642; Nov. 5; v. 256; p. 54.
Booth, Arthur, Chicago, Ill. Advertising-sign for vehicles No. 1,258,645; Mar. 12; v. 248; p. 242.
Booth, Christopher S., Camp Point, Ill. Door-latch. No. 1,285,915; Nov. 26; v. 256; p. 741.
Booth, Clement, Narberth, Pa. Locking device for demountable wheels. No. 1,273,320; July 23; v. 252; p. 802.
Booth, Edwin F., Milwaukee, Wis. Shirt. No. 1,269,251; June 11; v. 251; p. 352.
Booth-Hall Company. (See Booth, William K., assignor.)
Booth-Hall Company. (See Hall, Julius R., assignor.)
Booth, Irving E. (See Brice and Booth.)
Booth, James, A. J. Miller, and W. F. Bokum, assignors to Smith and Furbush Machine Company, Philadelphia, Pa. Machine for making cotton felt. No. 1,287,848; Dec. 17; v. 257; p. 477.
Booth, John B. (See Avery and Booth.)
Booth, John T., Solihull, England. Fastening device. No. 1,261,098; Apr. 2; v. 249; p. 31.
Booth, Walker, Collingswood, N. J. Stylus-holder. No. 1,287,199; Dec. 10; v. 257; p. 286.
Booth, William K., assignor to Booth-Hall Company, Chicago, Ill. Electric furnace. No. 1,287,849; Dec. 17; v. 257; p. 477.
Booth, William N., assignor to Kelsey Wheel Company, Inc., Detroit, Mich. Demountable rim. No. 1,280,145; Oct. 1; v. 255; p. 7.
Booth, William T., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. No. 1,271,124; July 2; v. 252; p. 104.
Boothman, Lawrence. (See Olmsted and Boothman.)
Booz, William C., Vanburen, Ind. Brake mechanism for oil-well drilling and pulling machines. No. 1,278,098; Sept. 10; v. 254; p. 234.
Boozer, Peter C., Mayport, Pa. Nut-lock. No. 1,277,037; Aug. 27; v. 253; p. 839.
Borah, Dee, Grand Prairie, Tex. Catch. No. 1,258,307; Mar. 5; v. 248; p. 104.
Borba, William S. (See Peterson, Fred S., assignor.)
Borbeck, Martin, assignor of one-half to H. A. Meyer and E. A. Burgess, Sioux City, Iowa. Self-filling fountain-pen. No. 1,268,206; June 4; v. 251; p. 39.
Borbley, John, Athens, Ohio. Wire-twisting tool. No. 1,272,904; July 16; v. 252; p. 666.
Borchert, Charles A., and M. G. O'Neil, Woodlawn, Pa. Valve. No. 1,267,365; May 28; v. 250; p. 776.
Borchert, Lester W., Cleveland, Ohio. Flash-light. No. 1,280,380; Oct. 1; v. 255; p. 74.
Borcherts, Henry, Dahlgren, Ill. Shoe-closure. No. 1,260,864; Mar. 26; v. 248; p. 944.
Borcherts, Henry, Dahlgren, Ill. Nailless horseshoe. No. 1,262,627; Apr. 16; v. 249; p. 519.
Borcyk, Anthony W., Rochester, assignor to American Piano Company, New York, N. Y. Treadle and lower-door operating mechanism. No. 1,251,958; Jan. 1; v. 246; p. 152.
Bordeleau, Donat. (See McLaughlin and Bordeleau.)
Bordeleau, Henry, Argusville, N. D. Adjustable engine-bed. No. 1,275,122; Aug. 6; v. 253; p. 220.
Borden Company, The. (See Koehler, Frederick G., assignor.)
Borden Company, The. (See Nonneman, Ira W., assignor.)
Borden Company. (See Phelps, James A., assignor.) (Reissue.)
Borden, William H., Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-support. No. 1,253,461; Jan. 15; v. 246; p. 652.
Borden, William H., Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. No. 1,276,019; Aug. 20; v. 253; p. 525.
Borden's Condensed Milk Company. (See Campbell, Charles H., assignor.)
Bore, Johan. (See Skoglund and Bore.)
Borer, Frank J., Elizabeth, N. J. Bell-cord hanger. No. 1,281,128; Oct. 8; v. 255; p. 305.
Borg, Emil J., Emerson, Iowa. Saddle. No. 1,267,310; May 21; v. 250; p. 733.
Borgan, Peter. (See Lamar and Borgan.)
Borge Incinerator Corporation. (See Borge, John, assignor.)
Borge, John, assignor to Borge Incinerator Corporation, New York, N. Y. Furnace-door. No. 1,275,650; Aug. 13; v. 253; p. 391.
Borge, John, assignor to Borge Incinerator Corporation, New York, N. Y. Incinerator. No. 1,275,651; Aug. 13; v. 253; p. 391.
Borge, John, assignor to Borge Incinerator Corporation, New York, N. Y. Incinerator. No. 1,275,652; Aug. 13; v. 253; p. 391.
Borge, John, assignor to Borge Incinerator Corporation, New York, N. Y. Incinerator. No. 1,275,653; Aug. 13; v. 253; p. 391.
Borgenicht, Louis, New York, N. Y. Child's dress. No. 1,283,643; Nov. 5; v. 256; p. 55.
Borger, Leo, New York, N. Y. Economic automatic stripper for steam-laundry purposes. No. 1,282,741; Oct. 29; v. 255; p. 842.
Borgeson, Charles J. B., Syracuse, N. Y. Lubricating attachment for metal-working machines. No. 1,273,996; July 30; v. 252; p. 1024.
Borghesani, Guido, and G. Stampa, Rome, Italy. Preparation of new fertilizer. No. 1,272,001; July 9; v. 252; p. 384.
Bork, Charley A., Paynesville, Minn. Hay-rack. No. 1,279,236; Sept. 17; v. 254; p. 568.
Borkman, Julius A. (See Wagner, George, assignor.)
Borland, Lewis R., Frazee, Minn. Collapsible household screen. No. 1,278,579; Sept. 10; v. 254; p. 363.
Borland, William E. (See Thomas, William S., assignor.)
Borman, Emil, Chicago, Ill. Filling holes in metal parts. No. 1,270,757; June 25; v. 251; p. 818.
Borner, Elmo L. (See Mulvaney and Borner.)
Bornhauser, Otto E., assignor of one-third to J. E. Herman and one-third to C. L. Wagner, Sandusky, Ohio. Refrigerating apparatus. No. 1,255,286; Feb. 5; v. 247; p. 49.
Bornhauser, Otto E., and J. E. Herman, assignors to The Wagner Refrigeration Company, Sandusky, Ohio. Refrigerating apparatus. No. 1,255,505; Feb. 5; v. 247; p. 113.
Bornmann, Carl. (See Topliff, Bornmann, and Clark.)
Boros, Alexsander, and E. Hemestray, Beaver, Pa. Horseshoe. No. 1,282,742; Oct. 29; v. 255; p. 843.
Borough, Wilbert C. (See Titus and Borough.)
Borresen, Helge A., Marquette, Mich. Watch. No. 1,265,598; May 7; v. 250; p. 197.
Borsse, Anton A., Sheboygan, Wis. Detachable utensil-handle. No. 1,277,182; Aug. 27; v. 253; p. 881.
Borsse, Anton A., assignor of one-half to G. Pirc, Sheboygan, Wis. Detachable utensil-handle. No. 1,268,089; June 4; v. 251; p. 6.
Borsse, Anton A., and G. Pirc, Sheboygan, Wis. Dirigible headlight. No. 1,270,256; June 25; v. 251; p. 682.
Borst, Andrew J., Jr., Buffalo, N. Y. Non-skidding traction device. No. 1,276,319; Aug. 20; v. 253; p. 608.
Borstad, Hans, Christiania, Norway. Berry-gathering apparatus. No. 1,276,320; Aug. 20; v. 253; p. 608.
Borszcz, Peter, Chicago, Ill. Animal-trap. No. 1,261,899; Apr. 9; v. 249; p. 287.
Bortman, Emanuel W., assignor to Wildman Mfg. Co., Norristown, Pa. Cloth-cutting machine. No. 1,271,522; July 2; v. 252; p. 214.
Borucz, Feliks, Wilkes-Barre, Pa. Ship-protector. No. 1,277,369; Sept. 3; v. 254; p. 9.
Borum, David J., *et al.* (See Cohen, Meyer D., assignor.)
Boryszewski, Joseph, Forks, N. Y. Tire and fastening means therefor. No. 1,274,237; July 30; v. 252; p. 1093.
Borzykowski, Benno, Cleveland, Ohio. Process for the production of articles from viscose. No. 1,260,508; Mar. 26; v. 248; p. 842.
Bosart, Oscar M., Indianapolis, Ind. Piston-ring. No. 1,251,743; Jan. 1; v. 246; p. 91.
Boscavilla, Vittorio, San Francisco, Cal. Submersible apparatus. No. 1,260,959; Mar. 26; v. 248; p. 969.
Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Purifying ammonia. No. 1,261,900; Apr. 9; v. 249; p. 287.
Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Fertilizer and fertilizing. No. 1,280,650; Oct. 8; v. 255; p. 174.

Alphabetical list of patentees—Continued.

Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing compounds containing tungsten and nitrogen. No. 1,278,580; Sept. 10; v. 254; p. 363.
Bosch, Carl, A. Mittasch, and C. Krauch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Hydrogenization and dehydrogenization of carbon compounds. No. 1,271,013; July 2; v. 252; p. 74.
Bosch, Carl, A. Mittasch, and C. Neresheimer, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture of urea. No. 1,274,503; Aug. 6; v. 253; p. 46.
Bosch Magneto Company. (See Heins, Otto, assignor.)
Bosch Magneto Company. (See Heins and Wild, assignors.)
Bosch Magneto Company. (See Schwarzmann and Wild, assignors.)
Bosch, Firm of Robert. (See Fischer, Otto, assignor.)
Bosch, Firm of Robert. (See Honold, Gottlob, assignor.)
Bosch, Firm of Robert. (See Kazenmaier and Bauer, assignors.)
Bosch, Firm of Robert. (See Kratz, Franz, assignor.)
Bosch, Firm of Robert. (See Kratz and Honold, assignors.)
Bosio, Giacomo, and A. Peradotto, Turin, Italy. Tanning hides. No. 1,266,203; May 14; v. 250; p. 398.
Bosler, George A., Chicago, Ill. Folding car-step. No. 1,273,321; July 23; v. 252; p. 802.
Bosler, George N. (See Schuhmann, Richard J., assignor.)
Boss, John C., Elkhart, Ind. Apparatus for drying of brick. No. 1,253,925; Jan. 15; v. 246; p. 783.
Boss, William, St. Paul, Minn. Hose-reel. No. 1,255,854; Feb. 12; v. 247; p. 255.
Boss, William, St. Paul, Minn. Display device. No. 1,258,308; Mar. 5; v. 248; p. 104.
Bossert, Charles T. (See Bossert, Fred J. and C. T.)
Bossert, Fred J. and C. T., Selma, Cal. Vine-cutter. No. 1,265,296; May 7; v. 250; p. 116.
Bosshard, Rudolph, Mount Wilson Solar Observatory, Cal. Pressure grease-cup. No. 1,255,075; Jan. 29; v. 246; p. 1164.
Bossu, Pierre, Paris, France. Explosion-engine with dynamomagnetic ignition. No. 1,272,199; July 9; v. 252; p. 439.
Bostian, Homer C., Lyons, N. Y. Rule-holder. No. 1,275,835; Aug. 13; v. 253; p. 442.
Bostock & Sons, Thomas. (See Hatch, Jacob D., assignor.)
Boston Auto Gage Company. (See Gregory, George P., assignor.)
Boston Auto Gage Company. (See Horton, Albert F., assignor.)
Boston Auto Gage Company, The. (See Scrannage and Gregory, assignors.)
Boston Fastener Company. (See Jackson, Samuel B., assignor.)
Boston Last Company. (See Heath, Oscar, assignor.)
Boston Pencil Pointer Company. (See Wilson, Robert A. and A. P., assignors.)
Boston Pressed Metal Co. (See Needham, William H., assignor.)
Boston Scale Machine Company. (See Emery and Adams, assignors.)
Boston Superior Petticoat Company. (See Aronson, Harry, assignor.)
Boston Wire Stitcher Company. (See Briggs, Thomas A., assignor.)
Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Bostwick Steel Lath Company, The, *et al.* (See Gorton, John C., assignor.)
Boswell, Fletcher O., Philadelphia, Pa. Automobile-lock. No. 1,263,516; Apr. 23; v. 249; p. 791.
Boswell, Fletcher O., Philadelphia, Pa. Automobile-lock. No. 1,265,732; May 14; v. 250; p. 265.
Boswell, Fletcher O., Philadelphia, Pa. Vehicle suspension and shock-absorber. No. 1,266,656; May 21; v. 250; p. 553.
Boswell, Fletcher O., assignor to F. O. B. Manufacturing Company, Philadelphia, Pa. Vehicle suspension and shock-absorber. No. 1,261,099; Apr. 2; v. 249; p. 31.
Boswell, Fletcher O., assignor to F. O. B. Manufacturing Company, Philadelphia, Pa. Vehicle suspension and shock-absorber. No. 1,261,350; Apr. 2; v. 249; p. 102.
Boswell, Francis G., assignor to R. A. Boswell, Washington, D. C. Stamp and check canceling and postmarking machine. No. 1,274,847; Aug. 6; v. 253; p. 144.
Boswell, George G. F., assignor to Universal Coin Lock Company, Indianapolis, Ind. Reversible lock-casing and keeper for coin-controlled locks. No. 1,271,536; July 9; v. 252; p. 252.
Boswell, George G. F., assignor of one-fourth to N. H. Elmore, one-fourth to G. W. Infield, and one-fourth to A. H. Boulden, Indianapolis, Ind. Shock-absorber. No. 1,287,850; Dec. 17; v. 257; p. 477.
Boswell, Robert A. (See Boswell, Francis A., assignor.)
Bosworth, Allie F., Munday, Tex. Wagon and buggy tap extension. No. 1,266,392; May 14; v. 250; p. 448.
Bosworth, Birney B., New York, N. Y. Rope-grip. No. 1,254,570; Jan. 22; v. 246; p. 988.
Bosworth, Birney B., New York, N. Y. Combined rope-coupling and traveler. No. 1,254,571; Jan. 22; v. 246; p. 988.
Bosworth, Wendell P., assignor to Brockton Heel Company, Brockton, Mass. Cushion-mat. No. 1,276,865; Aug. 27; v. 253; p. 795.
Bosworth, Wilbur M., Norfolk, Va. Steel reinforcement for freight-cars. No. 1,253,131; Jan. 8; v. 246; p. 525.
Bot, William H., assignor to Ghent Manufacturing Company, Ghent, Minn. Separator. No. 1,287,624; Dec. 17; v. 257; p. 420.
Botenstein, Charles E., Chicago, Ill. Screw-slotting machine. No. 1,269,370; June 11; v. 251; p. 384.
Both, Tonjes A. (See Haynes and Both.)
Both, Tonjes A. C., and A. H. Trumbull, Stratford, Conn., and R. A. Schoenberg, (now by judicial change of name R. A. Belmont,) New York, N. Y., assignors to The Connecticut Electric Mfg. Co., Bridgeport, Conn. Fuse-plug. No. 1,277,540; Sept. 3; v. 254; p. 57.
Bothwell, George W., Ontario, Cal. Fuel-feeding means. No. 1,254,768; Jan. 29; v. 246; p. 1076.
Botkin, Edgar T. (See Rhody, Elza, assignor.)
Botnen, Knudt, Marshalltown, Iowa. Cement interlocking railway-tie. No. 1,264,262; Apr. 30; v. 249; p. 1027.
Bots, Paul, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Box for holding ampullæ, phials, and the like. No. 1,268,920; June 11; v. 251; p. 259.
Botsford, Archie C., Pomona, Cal. Folding go-cart. No. 1,287,200; Dec. 10; v. 257; p. 286.
Botsko, John, East Akron, Ohio. Portable car-bumper. No. 1,268,090; June 4; v. 251; p. 6.
Bottger, Lorenzo. (See Tombyll and Bottger.)
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding sales-book. No. 1,289,627; Dec. 31; v. 257; p. 965.
Botz, Konrad, New York, N. Y. Transmitter or receiver. No. 1,270,920; July 2; v. 252; p. 48.
Bouchard, John B., Jr., Oldtown, Me. Railway-tie. No. 1,259,827; Mar. 19; v. 248; p. 611.
Bouche, William F., Buffalo, N. Y., assignor to Gould Coupler Company. Electrical regulation system. No. 1,290,013; Dec. 31; v. 257; p. 1059.
Boucher, Pierre J., Chelsea, London, England. Cover or stopper for jars, pots, bottles, and other receptacles. No. 1,258,390; Mar. 5; v. 248; p. 128.
Bouchery, August, Brooklyn, N. Y. Lighting-fixture. No. 1,257,973; Mar. 5; v. 248; p. 7.
Bouchery, August, Brooklyn, N. Y. Attachment-plug. No. 1,258,646; Mar. 12; v. 248; p. 243.
Boudreau, John B., Jr., Worcester, Mass. Scrap-boy for cracker-cutting machines and the like. No. 1,279,641; Sept. 24; v. 254; p. 704.
Boufford, Joseph T., Linwood, Mass. Toy. No. 1,266,765; May 21; v. 250; p. 583.
Boughner, John D., Yorba Linda, Cal. Drill-rod connection. No. 1,273,724; July 23; v. 252; p. 910.
Boughton, George B., St. Louis, Mo. Plaster terminal. No. 1,256,652; Feb. 19; v. 247; p. 526.
Boughton, George B., St. Louis, Mo. Disappearing garage-door. No. 1,261,686; Apr. 2; v. 249; p. 197.
Boulais, Wilfrid, Ipswich, Mass. Tractor. No. 1,284,577; Nov. 12; v. 256; p. 324.
Boulard, Henri, Paris, France. Manufacture of alcohol from grain in open vats with the employment of saccharifying mucors. No. 1,266,657; May 21; v. 250; p. 553.
Boulden, Asa H. (See Boswell, George G. F., assignor.)
Boulden, Nathan V. (See Bird, George B., assignor.)
Boullier, Joseph M., Providence, R. I. Lock. No. 1,278,839; Sept. 17; v. 254; p. 463.
Boulton, William W. (See McClure, Reeves, and Boulton.)
Boulware, A. P., *et al.* (See Patterson, Warren A., assignor.)
Boulware, R. H., *et al.* (See Patterson, Warren A., assignor.)
Bound Brook Engine & Mfg. Co. (See Hensley, William T., assignor.)
Bound Brook Engine & Mfg. Co. (See Hensley and Urban, assignors.)
Bound Brook Oil-Less Bearing Company. (See Bache, Leigh S., assignor.)
Bound Brook Oil-Less Bearing Company. (See Ebel, John, assignor.)
Bound Brook Oil-Less Bearing Company. (See Gardner, Perry G., assignor.)
Bounds, John W., and T. J. McDaniel, Kannapolis, N. C. Shuttle-check. No. 1251,744; Jan. 1; v. 246; p. 91.
Bourcheix, Aimé, assignor of one-half to L. P. Tucker, Norwalk, Conn. Broiler. No. 1,279,237; Sept. 17; v. 254; p. 568.
Bourke, Lambert O., Headingly, Manitoba, Canada. Windmill. No. 1,266,910; May 21; v. 250; p. 623.
Bourque, David, Amesbury, assignor to G. W. J. Murphy Co., Merrimac, Mass. Founding-pattern. No. 1,287,625; Dec. 17; v. 257; p. 420.
Boursier, Henriette, New York, N. Y. Domestic heater. No. 1,268,428; June 4; v. 251; p. 102.

Boursier, Henriette, New York, N. Y. Controlling mechanism for flushing systems. No. 1,283,058; Oct. 29; v. 255; p. 931.
Bousfield, Charlie J., Bay City, Mich. Valve-lifting tool. No. 1,251,629; Jan. 1; v. 246; p. 55.
Bousfield, Charlie J., assignor to The Delpheon Company, Bay City, Mich. Hinged-cover support. No. 1,262,167; Apr. 9; v. 249; p. 362.
Bousfield, Charlie J., assignor to The Delpheon Company, Bay City, Mich. Talking-machine stop. No. 1,265,297; May 7; v. 250; p. 117.
Bousfield, Charlie J., assignor to The Delpheon Company, Bay City, Mich. Tone-arm for talking-machines. No. 1,266,096; May 14; v. 250; p. 368.
Bousfield, Charlie J., assignor to The Delpheon Company, Bay City, Mich. Filing device for talking-machine records. No. 1,267,366; May 28; v. 250; p. 777.
Bousfield, John H. A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Dial-scale. No. 1,267,367; May 28; v. 250; p. 777.
Bousfield, John H. A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Platform-scale. No. 1,277,038; Aug. 27; v. 253; p. 840.
Bousfield, John H. A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. No. 1,279,835; Sept. 24; v. 254; p. 761.
Bousfield, John H. A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. No. 1,284,049; Nov. 5; v. 256; p. 160.
Bousquet, Wilfrid J., Woonsocket, R. I. Float-controlled circuit-closer. No. 1,282,178; Oct. 22; v. 255; p. 662.
Boutlier, Otto, Winnipeg, Manitoba, Canada. Nut-lock. No. 1,252,995; Jan. 8; v. 246; p. 485.
Bouton, Georges, Paris, France, assignor to Etablissements De Dion Bouton, Societe Anonyme, Puteaux, France. Vats for accumulators, batteries, or the like. No. 1,266,911; May 21; v. 250; p. 623.
Bouvier, Henri J., Grenoble, France. Automatic pressure-regulator for pipes. No. 1,284,227; Nov. 12; v. 256; p. 235.
Bouvier, Marie, Paris, France. Chafing-shield. No. 1,251,468; Jan. 1; v. 246; p. 5.
Bouwer, Pierre S. (See Klaassen and Bouwer.)
Bouwmeester, Bernard J. (See Shanahan and Bouwmeester.)
Bouzo, Manuel, Habana, Cuba. Electric heating apparatus. No. 1,273,451; July 23; v. 252; p. 838.
Bouzo, Manuel, Havana, Cuba. Device for adjustably connecting the yoke to the pole of carts. No. 1,279,238; Sept. 17; v. 254; p. 569.
Bovard, Paul F., Winona, Minn. Waterproofing fibrous material. No. 1,280,954; Oct. 8; v. 255; p. 257.
Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Method of applying rail-bonds to rails. No. 1,277,370; Sept. 3; v. 254; p. 10.
Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Automatic car air and electric coupling mechanism. No. 1,281,495; Oct. 15; v. 255; p. 438.
Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve. No. 1,281,496; Oct. 15; v. 255; p. 438.
Bovee, Ransom Y., Chicago, Ill. Folding combination toilet article. No. 1,258,179; Mar. 5; v. 248; p. 67.
Bovie, William T., Boston, Mass. Direct-reading potentiometer. No. 1,265,421; May 7; v. 250; p. 151.
Boving, Jens O., London, England. Electric furnace. No. 1,281,280; Oct. 15; v. 255; p. 378.
Bowden, Charles L., Chicago, Ill. Wheel-alining gage. No. 1,265,599; May 7; v. 250; p. 197.
Bowden, Jesse L., Warren, R. I. Ticket-holder. No. 1,253,132; Jan. 8; v. 246; p. 525.
Bowden, John H., London, and H. F. J. Thompson, Battersea Park, London, England. Protection of electric cables. No. 1,257,452; Feb. 26; v. 247; p. 794.
Bowden, Junius A., Los Angeles, Cal., assignor to A. Schrader's Son, Incorporated, New York, N. Y. Pressure-gage for pneumatic tires. No. 1,279,078; Sept. 17; v. 254; p. 528.
Bowditch, James, Islington, New South Wales, Australia. Boat-dropping gear. No. 1,257,577; Feb. 26; v. 247; p. 832.
Bowditch, James, Islington, New South Wales, Australia. Haulage-clip. No. 1,282,036; Oct. 22; v. 255; p. 622.
Bowell, Francis M., Laporte, Ind. Tractor-plow. No. 1,272,905; July 16; v. 252; p. 666.
Bowen, Adna G., Medina, N. Y. Universal joint. No. 1,280,651; Oct. 8; v. 255; p. 174.
Bowen, Alfred D., Omaha, Nebr. Railway passenger and express motor-car. No. 1,262,577; Apr. 9; v. 249; p. 477.
Bowen, Alpheus C., Des Moines, Iowa. Road drag and leveler. No. 1,267,623; May 28; v. 250; p. 849.
Bowen, Charles W., Plainfield, Wis. Hen's nest. No. 1,286,924; Dec. 10; v. 257; p. 215.
Bowen, Charles W., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-lift cutting and assembling machine. No. 1,288,489; Dec. 24; v. 257; p. 660.
Bowen, Charles W., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-building machine. No. 1,288,490; Dec. 24; v. 257; p. 660.
Bowen, Charles W., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-building machine. No. 1,288,491; Dec. 24; v. 257; p. 661.
Bowen, Charles W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making heels. No. 1,288,492; Dec. 24; v. 257; p. 661.
Bowen, Charles W., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making heels. No. 1,289,063; Dec. 24; v. 257; p. 800.
Bowen, Claude C., Crookston, Minn. Self-tilting vessel-cover. No. 1,289,372; Dec. 31; v. 257; p. 901.
Bowen, Eugene F. (See Reid, Allan E., assignor.)
Bowen, George W. (See Bacon, Chester A., assignor.)
Bowen, George W. (See Nolan, Edmund, assignor.)
Bowen, George W. (See Pribil, Alexis R., assignor.)
Bowen, George W. (See Zerk, Oscar, assignor.)
Bowen, George W. (See Zerk and Drake, assignors.)
Bowen, George W., Auburn, N. Y. Grease-cup. No. 1,255,287; Feb. 5; v. 247; p. 49.
Bowen, Grover C., Coffeyville, Kans. Heating device for tank-cars. No. 1,274,504; Aug. 6; v. 253; p. 46.
Bowen, Harry F., Canon City, Colo. Electrical awakening device. No. 1,266,393; May 14; v. 250; p. 448.
Bowen, John E., Lawrence, assignor to J. M. Van Heusen, Boston, Mass. Manufacture of collars and cuffs. No. 1,254,306; Jan. 22; v. 246; p. 913.
Bowen, May C., Canon City, Colo. Protective device for infants' hands. No. 1,260,865; Mar. 26; v. 248; p. 944.
Bowen, Melvin I., Harlan, Ky. Rail-clamp. No. 1,253,133; Jan. 8; v. 246; p. 525.
Bowen, Michael B., assignor to Faries Manufacturing Co., Decatur, Ill. Lighting-fixture. No. 1,280,955; Oct. 8; v. 255; p. 257.
Bowen Products Corporation. (See Nolan, Edmund, assignor.)
Bowen, Robert A., Spokane, Wash. Valve. No. 1,276,482; Aug. 20; v. 253; p. 654.
Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Pressed-metal pulley. No. 1,255,506; Feb. 5; v. 247; p. 113.
Bowen, William S., New York, N. Y. Propeller device. No. 1,267,506; May 28; v. 250; p. 815.
Bower, Abram L., Boyertown, Pa. Automatic train-controlling device. No. 1,261,901; Apr. 9; v. 249; p. 288.
Bower, Amelia J. F., Breckenridge, Minn. Sewing-machine belt. No. 1,271,014; July 2; v. 252; p. 75.
Bower, Ferdinand A., Flint, assignor to General Motors Corporation, Detroit, Mich. Axle-spindle. No. 1,289,098; Dec. 31; v. 257; p. 833.
Bower, George G., Bainbridge, Ga. Internal-combustion engine. No. 1,263,736; Apr. 23; v. 249; p. 848.
Bower, Harry A., Boston, Mass. Drum. No. 1,252,878; Jan. 8; v. 246; p. 447.
Bower, Jacob M., assignor of two-fifths to N. Ripper, Lander, Wyo. Automatic film-threader. No. 1,265,039; May 7; v. 250; p. 47.
Bower, Thomas F., Farmdale, assignor of one-half to C. A. Hobart, Kinsman, Ohio. Building-block. No. 1,264,606; Apr. 30; v. 249; p. 1124.
Bowers, Albert, South Bend, Ind. Detachable bicycle-handle-bar grip. No. 1,258,647; Mar. 12; v. 248; p. 243.
Bowers, Benjamin S., Grand Rapids, Minn. Combined air-gage and magnet-tester. No. 1,251,745; Jan. 1; v. 246; p. 91.
Bowers, Ernest C., assignor to E. Cook, Kalamazoo, Mich. Chuck. No. 1,264,363; Apr. 30; v. 249; p. 1055.
Bowers, Robert R., assignor to The Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Keying device. No. 1,272,200; July 9; v. 252; p. 439.
Bowers, Robert R., and L. R. Clausen, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Sweep-rake. No. 1,287,201; Dec. 10; v. 257; p. 286.
Bowes, John E., and L. P. Searfoss, Laporte, Ind. Baby-carriage attachment. No. 1,275,521; Aug. 13; v. 253; p. 355.
Bowes, Walter H., New York, N. Y. Machine for canceling stamps. No. 1,287,202; Dec. 10; v. 257; p. 287.
Bowie, Augustus J., Jr., San Francisco, Cal. Electric-energy converter and meter. No. 1,287,851; Dec. 17; v. 257; p. 477.
Bowles, Edward J., and E. and H. Metz, Clinton, Ill. Beader and gutter-former. No. 1,267,368; May 28; v. 250; p. 777.
Bowles, Henry E. (See Blansett, John E., assignor.)
Bowles, Joseph R. (See Hughes, Robert D., assignor.)
Bowles, Joseph R., Lynchburg, Va. Tire-chain holder. No. 1,253,926; Jan. 15; v. 246; p. 783.
Bowles, William M., Sapulpa, Okla. Oil-storage tank. No. 1,264,149; Apr. 30; v. 249; p. 995.
Bowles, William M., Shawnee, Okla. Safety-vent for oil-storage tanks. No. 1,265,877; May 14; v. 250; p. 306.
Bowles, William M., assignor to International Crude Oil Storage Company, Sapulpa, Okla. Electric signal. No. 1,275,179; Aug. 6; v. 253; p. 237.
Bowlus, Leigh V., *et al.* (See Smith, Voorhees G., assignor.)

Alphabetical list of patentees—Continued.

Bowman, A. B. (See Safford, Claude, assignor.)
Bowman, Albert B. (See Stoney and Bowman.)
Bowman, Charles A., Jr., assignor to Trinity Court Studios, Pittsburgh, Pa. Photographic service-flag. No. 1,284,050; Nov. 5; v. 256; p. 160.
Bowman, Charles A., Jr., assignor to Trinity Court Studios, Pittsburgh, Pa. Service-emblem photograph-holder. No. 1,284,051; Nov. 5; v. 256; p. 161.
Bowman, Charles F., assignor to Kalamazoo Corset Company, Kalamazoo, Mich. Legging. No. 1,272,366; July 16; v. 252; p. 513.
Bowman, David W. (See Hinegardner, Millard, and Bowman.)
Bowman, Frederick J., Cleveland, Ohio. Drier. No 1,265,298; May 7; v. 250; p. 117.
Bowman, Harvey, *et al.* (See Peterson, Charlie, assignor.)
Bowman, Harvey M., and F. J. Schaffer, Memphis, Tenn. Tobacco-spearer. No. 1,278,581; Sept. 10; v. 254; p. 363.
Bowman, Leroy O. (See Britton, William H., assignor.)
Bowman, Levi M., assignor of one-half to W. A. Smith, Tulsa, Okla. Hydrocarbon-burner. No. 1,272,201; July 9; v. 252; p. 439.
Bowman, Newton K., Canton, Ohio. Section insulator and switch. No. 1,263,028; Apr. 16; v. 249; p. 633.
Bowman, Newton K., Canton, Ohio. Cable-splice. No. 1,271,842; July 9; v. 252; p. 337.
Bowman, Thomas B., Chicago, Ill., assignor, by mesne assignments, to Anchor Company. Rail-anchor. No. 1,263,368; Apr. 23; v. 249; p. 748.
Bowman, Walter H., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Artificial tooth. No. 1,269,521; June 11; v. 251; p. 424.
Bowser, Allen A., Fort Wayne, Ind. Quick-return mechanism. No. 1,261,478; Apr. 2; v. 249; p. 137.
Bowser, Allen A., Fort Wayne, Ind. Single-acting quick-return pump. No. 1,261,479; Apr. 2; v. 249; p. 137.
Bowser, Allen A., Fort Wayne, Ind. Electric fixture. No 1,264,887; May 7; v. 250; p. 5.
Bowser, Allen A., Fort Wayne, Ind. Multiple-piston-registering measure. No. 1,270,002; June 18; v. 251; p. 588.
Bowmann, Harlan P. (See Apple, Grover C., assignor.)
Bowron, Clara A., New York, N. Y. Receptacle-lining. No. 1,286,516; Dec. 3; v. 257; p. 82.
Box, William A., Denver, Colo. Siren. No. 1,278,582; Sept. 10; v. 254; p. 363.
Boxley, George, deceased, Troy, N. Y.; W. and I. E. Bolton, executors. Nasal appliance. No. 1,255,578; Feb. 5; v. 247; p. 135.
Boy, Will C., Piney Flats, Tenn. Speed-evener. No. 1,288,818; Dec. 24; v. 257; p. 741.
Boyajian, Nishan M., New York, N. Y. Cigarette or cigar holder. No. 1,254,307; Jan. 22; v. 246; p. 913.
Boyce, H. Light. (See Broyles, Henry F., assignor.)
Boyce, Harrison H., Forest Hills, N. Y. Signal-horn. No. 1,267,507; May 28; v. 250; p. 815.
Boyce, Harrison H., Forest Hills, N. Y. Signal-horn. No. 1,267,739; May 28; v. 250; p. 880.
Boyce, Harrison H., Forest Hills, N. Y. Indicating device for automobiles. No. 1,272,002; July 9; v. 252; p. 384.
Boyce, Harrison H., Forest Hills, N. Y. Indicating instrument for automobile-radiators. No. 1,272,367; July 16; v. 252; p. 514.
Boyce, Harrison H., Oyster Bay, N. Y. Indicating means for motor-propelled vehicles. No. 1,275,654; Aug. 13; v. 253; p. 392.
Boyce, Homer P. (See Atwood, Walter W., assignor.)
Boyce, William D., New York, N. Y. Smoke-consuming device for fire-boxes. No. 1,276,166; Aug. 20; v. 253; p. 567.
Boyd, Abram H., Aspinwall, assignor to B. B. & B. Trunk Company, Pittsburgh, Pa. Wardrobe-trunk. No. 1,268,207; June 4; v. 251; p. 39.
Boyd, Clarence A., Milwaukee, Wis. Tool for manipulating split rims. No. 1,263,737; Apr. 23; v. 249; p. 849.
Boyd, David C. (See Arndt, Franklin E., assignor.)
Boyd, Forest W., Providence, R. I. Automobile-lock. No. 1,257,453; Feb. 26; v. 247; p. 794.
Boyd, George D., *et al.* (See Sartain, Louis M., assignor.)
Boyd, George S., Bly, Oreg. Pump. No. 1,258,527; Mar. 5; v. 248; p. 169.
Boyd, Harold A. (See Boyd, Thomas A. and H. A.)
Boyd, Harold A. (See Boyd, Thomas A., H. A., and J.)
Boyd, Harry M., Fort Myers, Fla. Axle-drive. No. 1,268,208; June 4; v. 251; p. 39.
Boyd, Hugh T. (See Oberfell and Boyd.)
Boyd, James. (See Boyd, Thomas A., H. A., and J.)
Boyd, James H. C. (See Telfer and Boyd.)
Boyd, James K., Wilkinsburg, Pa. Compound rail. No 1,265,422; May 7; v. 250; p. 151.
Boyd, James S., Weir, assignor of one-half to C. Sansom, Georgetown, Tex. Adjusting and locking device for skid-chains. No. 1,257,578; Feb. 26; v. 247; p. 833.
Boyd, John F., and J. Frazier, Rushville, Ind. Attachment for grain-drills. No. 1,270,109; June 18; v. 251; p. 616.
Boyd, Peter, Beaver, and A. M. Saunders, McKeesport, assignors to National Tube Company, Pittsburgh, Pa. Drill-tube section. No. 1,287,203; Dec. 10; v. 257; p. 287.
Boyd, Roger J., assignor to Carson, Pirie, Scott & Co., Chicago, Ill. Packing-box. No. 1,280,652; Oct. 8; v. 255; p. 175.
Boyd, Roy F., Venice, Ill. Non-refillable bottle. No. 1,289,373; Dec. 31; v. 257; p. 901.
Boyd, Samuel A. (See Sons, Ernest L., assignor.)
Boyd, Thomas A. and H. A., Glasgow, Scotland. Apparatus for controlling the unwinding of yarn. No. 1,277,690; Sept. 3; v. 254; p. 100.
Boyd, Thomas A., H. A., and J., Glasgow, Scotland. Doffing mechanism. No. 1,280,381; Oct. 1; v. 255; p. 74.
Boyd, William L., Hayden, Ariz. Smoke-purifier. No. 1,263,197; Apr. 16; v. 249; p. 681.
Boyden, George E., assignor, by mesne assignments, to O. M. Farrand and G. E. Boyden, New York, N. Y. Chart for vehicles. (Reissue.) No. 14,438; Mar. 5; v. 248; p. 203.
Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Pencil-sharpener. No. 1,263,738; Apr. 23; v. 249; p. 849.
Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Combination chart and commodity-cabinet. No. 1,275,655; Aug. 13; v. 253; p. 392.
Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Combination order-chart and commodity-cabinet. No. 1,276,488; Aug. 20; v. 253; p. 656.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain-hanger. No. 1,288,493; Dec. 24; v. 257; p. 661
Boye Needle Company, The. (See Boye, James H., assignor.)
Boye Needle Company, The. (See Carlson, Gustaf A., assignor.)
Boyens, Henry F., Schneider, Ind. Furrow-wheel-steering mechanism. No. 1,252,228; Jan. 1; v. 246; p. 227.
Boyer, Charles A., assignor to The Hugro Manufacturing Company, Warsaw, Ind. Clothes-line reel. No. 1,270,257; June 25; v. 251; p. 682.
Boyer, Charles A., Warsaw, Ind., assignor to Hugro Manufacturing Company, Chicago, Ill. Combination vacuum cleaner and sweeper. No. 1,283,644; Nov. 5; v. 256; p. 55.
Boyer, George F., assignor of twenty-four and one-half one-hundredths to D. W. Dorris and twenty-four and one-half one-hundredths to E. M. Bushong, Lima, Ohio. Auxiliary valve for internal-combustion engines. No. 1,267,369; May 28; v. 250; p. 778.
Boyer, Harrison D. (See Williamson and Boyer.)
Boyer, James F. (See Frazier, Orville Z., assignor.)
Boyer, Jesse, assignor of one-third to H. Drage, Massillon, Ohio. Direction-signal. No. 1,268,673; June 4; v. 251; p. 171.
Boyer, John. (See Binder, Andrew, assignor.)
Boyer, Martin, Lowry, Minn. Wheel structure. No. 1,256,653; Feb. 19; v. 247; p. 526.
Boyer, Orin N., Los Angeles, Cal. Door-operated fly-chaser. No. 1,283,059; Oct. 29; v. 255; p. 931.
Boyer, William J., Chicago, Ill. Grip-chain for tires. No. 1,254,023; Jan. 22; v. 246; p. 831.
Boyer, William J., Chicago, Ill. Car-roofing. No. 1,287,204; Dec. 10; v. 257; p. 287.
Boyer, William W. E., Oklahoma, Okla. Plow. No. 1,285,008; Nov. 19; v. 256; p. 473.
Boyett, James V. and T. E., Mobile, Ala. Automatic centrifugal starter-lock for automobile-engines. No. 1,264,766; Apr. 30; v. 249; p. 1166.
Boyett, Thomas E. (See Boyett, James V. and T. E.)
Boyington, Herbert A., Newington, Conn. Envelop. No. 1,267,175; May 21; v. 250; p. 699.
Boykin, Ranzy. (See Lewis, James W., assignor.)
Boylan, George T., Hartford, Conn. Incorrect-position indicator. No. 1,275,522; Aug. 13; v. 253; p. 355.
Boylan, Gove S., assignor of one-half to G. R. Collins, Salisbury, N. C. Winding-reel. No. 1,263,640; Apr. 23; v. 249; p. 824.
Boyle, Alexander M., assignor to Crane Shale Oil Corporation, Reno, Nev. Apparatus for the extraction of hydrocarbon materials. No. 1,276,866; Aug. 27; v. 253; p. 795.
Boyle, Edmund F. (See Meister, Surles, and Boyle.)
Boyle, Elizabeth F. (See Ferris, Nunez C., assignor.)
Boyle, Homer L., assignor of one-third to M. H. Smith, Lansing, Mich. Sweeper. No. 1,257,308; Feb. 26; v. 247; p. 754.
Boyle, Jacob C., Indianapolis, Ind. Appliance for heating boiler feed-water. No. 1,281,281; Oct. 15; v. 255; p. 379.
Boyle, James M., and F. Reichmann, New York, N. Y. Motion-translating device. No. 1,277,371; Sept. 3; v. 254; p. 10.
Boyle, John L., Boston, Mass. Controlling device for self-focusing electric-arc lamps. No. 1,262,916; Apr. 16; v. 249; p. 601.
Boyle, John P., and W. A. Inman, Chicago, Ill.; said Inman assignor to said Boyle. Making ice-cakes from raw water and apparatus for same. No. 1,279,239; Sept. 17; v. 254; p. 569.
Boyle Manufacturing Company. (See Merritt, James M., assignor.)
Boyle, William J., assignor of one-half to G. I. Evans, Collingswood, Ontario, Canada. Die. No. 1,274,848; Aug. 6; v. 253; p. 145.

Boyle, William P., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Burner. No. 1,256,480; Feb. 12; v. 247; p. 440.
Boyler, Emanuel J., West Haven, Conn., assignor to Duplex Snap Fastener Co. Separable fastener. No. 1,284,204; Nov. 5; v. 255; p. 202.
Boynton, Eben M., Washington, D. C. Unsinkable passenger-ship and ocean freight-vessel for sail or steam purposes. No. 1,279,079; Sept. 17; v. 254; p. 528.
Boynton, Willie A., and G. A. Terrell, Newcastle, Tex. Cotton-picker's knee-pad. No. 1,264,767; Apr. 30; v. 249; p. 1166.
Boyte, Elmo S., *et al.* (See Rainey, Robert W., assignor.)
Bozard, Harrison B., Hamilton, Ontario, Canada. Fuel-burning apparatus. No. 1,287,852; Dec. 17; v. 257; p. 478.
Bozzella, John A., Monticello, N. Y. Water-fountain for barbers' use. No. 1,256,434; Feb. 12; v. 247; p. 428.
Braam, Geert, Rotterdam, Netherlands. Apparatus for absorbing a fixed quantity of gas by a liquid. No. 1,256,291; Feb. 12; v. 247; p. 384.
Brabson, Tom, Brooklyn, N. Y. Dump-cart. No. 1,251,469; Jan. 1; v. 246; p. 5.
Brabson, Tom, Brooklyn, N. Y. Valve. No. 1,281,759; Oct. 15; v. 255; p. 507.
Brace, Elmer A., assignor to Eclipse Machine Company, Elmira, N. Y. Engine-starter. No. 1,284,052; Nov. 5; v. 256; p. 161.
Brace, Richard A., assignor to White Mop Wringer Company, Fultonville, N. Y. Mop-wringer. No. 1,268,921; June 11; v. 251; p. 259.
Brack, Jacob, trustee. (See Rogers, Orvid H., assignor.)
Brackenbury, Edward W., assignor to The T. L. Smith Company, Milwaukee, Wis. Automatic water-weighing device. No. 1,272,368; July 16; v. 252; p. 514.
Brackett, Frank A., Manchester, N. H., assignor to W. H. McElwain Company, Boston, Mass. Sewing and cementing machine. No. 1,278,099; Sept. 10; v. 254; p. 234.
Brackett, George S., Flemington, W. Va. Rail-tie. No. 1,253,663; Jan. 15; v. 246; p. 709.
Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lightning-arrester. No. 1,260,630; Mar. 26; v. 248; p. 878.
Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Inertia-actuated charging device for electrolytic lightning-arresters. No. 1,274,670; Aug. 6; v. 253; p. 95.
Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor-rectifier. No. 1,289,099; Dec. 31; v. 257; p. 833.
Brackett, Tracy F., Chicago, Ill. Engine. No. 1,282,179; Oct. 22; v. 255; p. 662.
Brackett, Tracy F., Chicago, Ill. Engine. No. 1,282,180; Oct. 22; v. 255; p. 662.
Braconier, Clarence A., Wayne, Mich. Alarm. No. 1,254,769; Jan. 29; v. 246; p. 1077.
Bracy, Edward L., Baltimore, Md., assignor to R. H. Wright, Durham, N. C. Paper-receptacle-making machine. No. 1,271,422; July 2; v. 252; p. 186.
Bradbear, Thomas, Sparkbrook, Birmingham, England. Apparatus for elevating or lifting acids or the like. No. 1,261,351; Apr. 2; v. 249; p. 102.
Bradburn, Pleasant, and W. Chambers, Muncie, Ind. Rail-clamp. No. 1,272,767; July 16; v. 252; p. 626.
Bradburn, William H., Wednesfield, Wolverhampton, and A. Cox, Olton, near Birmingham, England. Vaporizer for use in connection with internal-combustion engines. No. 1,285,916; Nov. 26; v. 256; p. 741.
Bradbury, Edward A., and J. D. Hoyt, Los Angeles, Cal. Measuring vessel. No. 1,286,517; Dec. 3; v. 257; p. 83.
Bradbury, Edward S., Christchurch, New Zealand. Fastener for garments and the like. No. 1,273,725; July 23; v. 252; p. 910.
Bradbury, Frederick B., trustee. (See Sorg, William A., assignor.)
Bradbury, Frederick L., assignor to The F. L. Bradbury Co., Bridgeport, Conn. Cruller-cooking. No. 1,266,912; May 21; v. 250; p. 623.
Bradbury, Harold M., Cambridge, assignor to S. W. Prussian, Brookline, Mass. Transmission-hanger. No. 1,289,100; Dec. 31; v. 257; p. 833.
Braden, Arthur C., Pasadena, Cal. Manufacture of lemonade-powder. No. 1,278,297; Sept. 10; v. 254; p. 288.
Braden, Robert D., assignor to Oxweld Acetylene Company, Chicago, Ill. Acetylene-generator. No. 1,270,258; June 25; v. 251; p. 682.
Braden, William A., Chicago, Ill. Crossing-signal. No. 1,259,350; Mar. 12; v. 248; p. 443.
Bradford, Bernard M., Hope Mills, N. C. Crutch. No. 1,257,181; Feb. 19; v. 247; p. 680.
Bradford Dyers' Association Limited. (See Graham, Jesse, assignor.)
Bradford Dyers Association Limited. (See Stansfield and Wilkinson, assignors.)
Bradford Dyers' Association Limited. (See Thornber, John, assignor.)
Bradford Dyers' Association Limited. (See Wilkinson, Edward J., assignor.)
Bradford, Joseph W., King, Tex. Controlling mechanism for windmills. No. 1,269,900; June 18; v. 251; p. 562.
Bradford, Leslie, Broken Hill, New South Wales, Australia. Separation of mixed metallic sulfids. No. 1,274,505; Aug. 6; v. 253; p. 47.
Bradford, William S. (See Anthony and Bradford.)
Bradley, Arthur J., San Francisco, Cal. Ventilator. No. 1,272,202; July 9; v. 252; p. 440.
Bradley, Charles E., Mishawaka, Ind., assignor to Mishawaka Woolen Manufacturing Company. Manufacturing rubber footwear. No. 1,271,843; July 9; v. 252; p. 337.
Bradley, Charles R., Chicago, Ill., and S. C. Smith, Philadelphia, Pa. Garment. No. 1,285,917; Nov. 26; v. 256; p. 742.
Bradley, Charles S., New York, N. Y. Reducing agent and producing same. No. 1,253,775; Jan. 15; v. 246; p. 742.
Bradley, Charles S., New York, N. Y. Producing commercially-pure copper. No. 1,275,374; Aug. 13; v. 253; p. 315.
Bradley, Edward E., assignor to The Atwood Machine Company, Stonington, Conn. Bobbin-winding machine. No. 1,257,182; Feb. 19; v. 247; p. 681.
Bradley, Elmer E., Clinton, Iowa. Air-nozzle for track-sanders. No. 1,280,146; Oct. 1; v. 255; p. 8.
Bradley, Ernest, *et al.* (See Hifner, Ernst J., assignor.)
Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Measuring device. No. 1,276,867; Aug. 27; v. 253; p. 795.
Bradley, Freeman J., and M. C. Dionne, Fostoria, Ohio. Inking-roll truck. No. 1,284,867; Nov. 12; v. 256; p. 398.
Bradley, Harry L. (See Bradley, Lynde and H. L.)
Bradley, Harry L., Milwaukee, Wis. Electric switch. No. 1,266,548; May 21; v. 250; p. 521.
Bradley, John C., assignor of one-half to W. M. Thompson, Haverhill, Mass. Flavoring compound. No. 1,285,555; Nov. 19; v. 256; p. 610.
Bradley, John W., Buffalo, N. Y. Wax-press. No. 1,262,628; Apr. 16; v. 249; p. 519.
Bradley, Josiah, Brooklyn, N. Y., assignor, my mesne assignments, to The Sanseal Corporation. Operating mechanism for bottle-capping machines. No. 1,281,760; Oct. 15; v. 255; p. 508.
Bradley, Linn, East Orange, N. J., assignor to Research Corporation, New York, N. Y. Sulfuric-acid manufacture. No. 1,284,175; Nov. 5; v. 256; p. 194.
Bradley, Linn, East Orange, N. J., assignor to Research Corporation, New York, N. Y. Sulfuric-acid manufacture. No. 1,284,176; Nov. 5; v. 256; p. 194.
Bradley, Lynde and H. L., Milwaukee, Wis. Combined motor starting and releasing mechanism for alternating-current motors. No. 1,280,147; Oct. 1; v. 255; p. 8.
Bradley, Orson U., North Adams, Mass. Spinning-frame roll. No. 1,270,777; July 2; v. 252; p. 7.
Bradley Pulverizer Company. (See Needham, Charles E., assignor.)
Bradley, Richard C., assignor of one-half to C. F. Ireland, Houston, Tex. Recording device. No. 1,255,698; Feb. 5; v. 247; p. 168.
Bradley, Richard C., assignor of one-half to C. F. Ireland, Houston, Tex. Motor for fluid-meters. No. 1,255,699; Feb. 5; v. 247; p. 169.
Bradley, Solon P., Cornell, Wis. Pulling and hauling machine. No. 1,287,853; Dec. 17; v. 257; p. 478.
Bradley & Vrooman Company. (See Bradley, Franklin F., assignor.)
Bradley & Vrooman Company. (See Davidson, Donald, assignor.)
Bradley, Walter P., Providence, R. I., assignor to Revere Rubber Company. Rubber-tubing machine. No. 1,289,033; Dec. 24; v. 257; p. 792.
Bradley, William A. (See Hague and Bradley.)
Bradley, William J., Troy, assignor to The Rail Joint Company, New York, N. Y. Rolling rail-joint bars. No. 1,277,287; Aug. 27; v. 253; p. 906.
Bradley, William L., Richmond, Va. Traffic-signaling device. No. 1,254,971; Jan. 29; v. 246; p. 1136.
Bradner, Donald B. (See Kirchen and Bradner.)
Bradshaw, Alfred, Calgary, Alberta, Canada. Fence-wire fastener. No. 1,254,388; Jan. 22; v. 246; p. 936.
Bradshaw, Charles E., Waterbury, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn. Buckle. No. 1,274,671; Aug. 6; v. 253; p. 95.
Bradshaw, Charles E., assignor to Worcester Metal Goods Company, Waterbury, Conn. Lift-catch for bags. No. 1,282,533; Oct. 22; v. 255; p. 758.
Bradshaw, Charles T., Collingswood, N. J. Crossing-signal. No. 1,289,101; Dec. 31; v. 257; p. 834.
Bradshaw, Frank F., Boulder, Colo. Roll-paper holder and printer. No. 1,276,868; Aug. 27; v. 253; p. 796.
Bradshaw, Granville E., Hersham, Walton-on-Thames, England. Internal-combustion-engine cylinder. No. 1,252,319; Jan. 1; v. 246; p. 253.
Bradshaw, John A., Paton, Iowa. Strainer for gasolene-tanks. No. 1,253,927; Jan. 15; v. 246; p. 783.
Bradshaw, Richard, Montreal, Quebec, Canada. Wire-fabric bed-bottom. No. 1,266,549; May 21; v. 250; p. 521.
Bradshaw, William H., assignor to W. T. Plummer, Philadelphia, Pa. Stretching and coiling belts. No. 1,258,648; Mar. 12; v. 248; p. 243.

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Bradshaw, William H., assignor to W. T. Plummer, Philadelphia, Pa. Apparatus for stretching and coiling belts. No. 1,258,649; Mar. 12; v. 248; p. 243.
Bradshaw, William M. (See Boddie and Bradshaw.)
Bradshaw, William M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,253,204; Jan. 15; v. 246; p. 574.
Bradshaw, William M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. No. 1,289,102; Dec. 31; v. 257; p. 834.
Bradshaw, William M., and W. G. Mylius, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Prepayment watt-hour meter. No. 1,274,672; Aug. 6; v. 253; p. 95.
Bradshaw, William M., and W. G. Mylius, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Terminal block for electrical measuring instruments. No. 1,289,374; Dec. 31; v. 257; p. 901.
Bradway, Chattin, New York, N. Y. Adjustable coaster. No. 1,285,009; Nov. 19; v. 256; p. 473.
Brady, Alexander, Newton Lower Falls, assignor to New England Confectionery Company, Boston, Mass. Machine for dumping material. No. 1,253,343; Jan. 15; v. 246; p. 616.
Brady, Alexander, Newton Lower Falls, assignor to New England Confectionery Company, Boston, Mass. Dumping-machine. No. 1,253,664; Jan. 15; v. 246; p. 709.
Brady, Belton, Roff, Okla. Automobile-towing device. No. 1,257,454; Feb. 26; v. 247; p. 795.
Brady, Charles P. (See Girvin and Brady.)
Brady, Edward A., Oregon City, Oreg. Weather-strip. No. 1,264,483; Apr. 30; v. 249; p. 1090.
Brady, Edward J., assignor to Iowa Gate Company, Cedar Falls, Iowa. Stanchion. No. 1,264,768; Apr. 30; v. 249; p. 1166.
Brady, Edward J., assignor to Iowa Gate Company, Cedar Falls, Iowa. Double-acting stanchion. No. 1,264,769; Apr. 30; v. 249; p. 1166.
Brady, Edward J., assignor to Iowa Gate Company, Cedar Falls, Iowa. Gate-latch or the like. No. 1,280,653; Oct. 8; v. 255; p. 175.
Brady, Eugene H., Flint, Mich. Electric-generator coupling for windmills. No. 1,279,642; Sept. 24; v. 254; p. 705.
Brady, George, Jackson, Mich., assignor to H. H. Lampert, Chicago, Ill. Reinforcement-support for concrete structures. No. 1,256,103; Feb. 12; v. 247; p. 328.
Brady, Harry V., Framingham, Mass. Construction of double-walled metal tanks. No. 1,262,009; April 9; v. 249; p. 318.
Brady, James M., New York, N. Y. Hand-rail. No. 1,268,209; June 4; v. 251; p. 39.
Brady, John F., Providence, R. I. Autographic register. No. 1,262,741; Apr. 16; v. 249; p. 552.
Brady Wireless Corn Planter Company. (See Lanham, Colonel W., assignor.)
Braecklein, Alfred H., Baltimore, Md. Machine for covering pies. No. 1,266,913; May 21; v. 250; p. 623.
Braecklein, Alfred H., Baltimore, Md. Machine for covering pies. No. 1,266,914; May 21; v. 250; p. 624.
Braen, Henry, Paterson, N. J. Bill-file. No. 1,261,480; Apr. 2; v. 249; p. 137.
Braen, Henry, Paterson, assignor to The Inventors Novelty Manufacturing Company, Nutley, N. J. Sample-case. No. 1,264,150; Apr. 30; v. 249; p. 995.
Braf, Gustave, Brooklyn, N. Y. Machine for marking the position of buttons and buttonholes in garments. No. 1,272,610; July 16; v. 252; p. 581.
Bragan, Asher S. (See Martin and Bragan.)
Bragdon, Charles M., assignor of one-half to L. W. Davis, Bangor, Me. Pickax. No. 1,273,023; July 16; v. 252; p. 698.
Bragg, Frederick A., Springfield, Mass. Automobile-tire and making the same. No. 1,275,523; Aug. 13; v. 253; p. 356.
Bragg, James, assignor to Specialty Shoe Machinery Company, St. Joseph, Mo. Shoe-nailing machine. No. 1,252,378; Jan. 1; v. 246; p. 270.
Bragstad, Ole S., Trondhjem, Norway. Device for automatic distribution of a limited electrical effect or current intensity between lamps, &c. No. 1,263,369; Apr. 23; v. 249; p. 748.
Brainard, Clarence H., Albany, N. Y. Target apparatus. No. 1,286,215; Dec. 3; v. 257; p. 8.
Brainard, James W., Pittsburgh, Pa. Manufacture of hoops. No. 1,273,139; July 23; v. 252; p. 755.
Brainard, James W., Pittsburgh, Pa. Metal head for barrels or kegs. No. 1,273,997; July 30; v. 252; p. 1024.
Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Splice-bar for rail-joints. No. 1,276,020; Aug. 20; v. 253; p. 525.
Braine, Daniel L., assignor to L. F. Braine, New York, N. Y. Screw-spike. No. 1,256,514; Feb. 19; v. 247; p. 487.
Braine, Lawrence F. (See Braine, Daniel L., assignor.)
Braisted, Edward J. (See Gerke, Braisted, and Kelleher.)
Braitmayer, Otto E., assignor to The Tabulating Machine Company, Washington, D. C. Paper-testing machine. No. 1,277,039; Aug. 27; v. 253; p. 840.
Brajdovics, William, Sharpsville, Pa. Street-cleaner. No. 1,273,998; July 30; v. 252; p. 1024.
Brake, Archibald, Toronto, Ontario, Canada. Molding-machine. No. 1,281,129; Oct. 8; v. 255; p. 305.
Brakeley, Joseph, Freehold, N. J. Apparatus for cooking canned vegetables. No. 1,266,204; May 14; v. 250; p. 398.
Brakensiek, August H., St. Louis, Mo. Automobile-fender. No. 1,265,878; May 14; v. 250; p. 306.
Brakey, Robert E., Ventura, Cal. Traffic-regulator. No. 1,282,673; Oct. 22; v. 255; p. 797.
Braksator, Jan, Cleveland, Ohio. Direction-signaling device. No. 1,287,854; Dec. 17; v. 257; p. 478.
Braley, Charles L., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Air-compressor. No. 1,272,611; July 16; v. 252; p. 581.
Braley, William L. (See Faas and Braley.)
Braly, Norman B., Butte, Mont. Hose suspension. No. 1,261,008; Apr. 2; v. 249; p. 5.
Braly, Norman B., Butte, Mont. Canvas hose-coupling. (Reissue.) No. 14,563; Dec. 10; v. 257; p. 385.
Brambach Piano Co. (See Hattemer, Justus, assignor.)
Brammar, George, Suisun City, Cal. Pot and pan lifter. No. 1,253,928; Jan. 15; v. 246; p. 784.
Bramming, Carl, Chicago, Ill., assignor to Accessories Manufacturing Company. Electric switch. No. 1,263,344; Apr. 16; v. 249; p. 720.
Bramming, Carl, Chicago, Ill., assignor to Accessories Manufacturing Company. Electric switch. No. 1,283,645; Nov. 5; v. 256; p. 55.
Branagan, John J., McKees Rocks, Pa. Railway-tie. No. 1,256,199; Feb. 12; v. 247; p. 358.
Brancart, Arthur, Fauquez-by-Virginal, Belgium. Glass-molding plunger. No. 1,274,673; Aug. 6; v. 253; p. 96.
Branch, Thomas W., Columbus, Ga. Game apparatus. No. 1,273,024; July 16; v. 252; p. 698.
Brand, Dawson T., Chattanooga, Tenn. Leak-stopper. No. 1,283,060; Oct. 29; v. 255; p. 931.
Brand, Frank H., Elmwood Place, Ohio. Combined Army supply-truck and ambulance. No. 1,287,855; Dec. 17; v. 257; p. 479.
Brand, George P., New York, N. Y. Mechanical sheet-controlling means. No. 1,269,045; June 11; v. 251; p. 294.
Brand, Herbert A., Chicago, Ill. Combined drinking-straw and container. No. 1,254,115; Jan. 22; v. 246; p. 858.
Brand, Junius H., Nashua, N. H., assignor to Flather & Company, Inc. Shifting mechanism for gearing, &c. No. 1,257,309; Feb. 26; v. 247; p. 754.
Brand, Thomas G., Calvin, N. D. Cuspidor-carrier. No. 1,264,151; Apr. 30; v. 249; p. 995.
Brand, William J. A., Brooklyn, N. Y. Tube-holder. No. 1,280,956; Oct. 8; v. 255; p. 258.
Brandell, Claus O., assignor to The Brandell Company, Cincinnati, Ohio. Building-block truck. No. 1,286,216; Dec. 3; v. 257; p. 8.
Brandell Company, The. (See Brandell, Claus O., assignor.)
Brandenberger, Carl F., Fort Madison, Iowa. Drain storage-pump. No. 1,266,658; May 21; v. 250; p. 553.
Brandenberger, Carl F., and M. W. Reuther, Fort Madison, Iowa. Air chamber and drain storage pump. No. 1,255,855; Feb. 12; v. 247; p. 255.
Brandenberger, Jacques E., Thaon-les-Vosges, assignor to Société Dite: La Cellophane, Paris, France. Composite cellulose film. No. 1,266,766; May 21; v. 250; p. 583.
Brandenburg, Joseph, and F. Purcell, assignors to The Bishop-Purcell Manufacturing & Sales Company, Denver, Colo. Fountain griddle-greaser. No. 1,279,976; Sept. 24; v. 254; p. 801.
Brandenstein, Manfred, San Francisco, Cal. Process of and apparatus for preserving food products. No. 1,277,183; Aug. 27; v. 253; p. 881.
Brandes, William A., New York, N. Y. Sled. No. 1,286,217; Dec. 3; v. 257; p. 8.
Brandetti, Alberto, Detroit, Mich. Wrench. No. 1,278,298; Sept. 10; v. 254; p. 288.
Brandfoss, E. C. (See Eakens, James C., assignor.)
Brandon, Ralph M., Los Angeles, Cal. Pipe-tongs. No. 1,270,371; June 25; v. 251; p. 713.
Brandon, Ralph M., Los Angeles, assignor of one-half to R. F. Peterman, Pasadena, Cal. Hose-coupling. No. 1,261,687; Apr. 2; v. 249; p. 197.
Brandon, Merritt. (See Mader, Joseph, assignor.)
Brandstetter, Josef, assignor to Conley Camera Company, Rochester, Minn. Shutter for cameras. No. 1,275,836; Aug. 13; v. 253; p. 443.
Brandt, Carl, New York, N. Y. Comb. No. 1,286,218; Dec. 3; v. 257; p. 8.
Brandt, Carl A. W. (See True and Brandt.)
Brandt Cashier Company. (See Brandt, Edward J., assignor.)
Brandt, David, New York, N. Y. Receptacle for paring-machines. No. 1,287,856; Dec. 17; v. 257; p. 479.
Brandt, Edward J., Watertown, Wis., assignor to Brandt Cashier Company, Chicago, Ill. Coin-delivering mechanism. No. 1,266,097; May 14; v. 250; p. 368.

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Brandt, Edward J., Watertown, Wis., assignor to Brandt Cashier Company, Chicago, Ill. Change-maker. No. 1,266,098; May 14; v. 250; p. 368.
Brandt, Edward J., Watertown, Wis., assignor to Brandt Cashier Company, Chicago, Ill. Coin-delivery chute. No. 1,266,099; May 14; v. 250; p. 369.
Brandt, George F., assignor to Moore Pen Company, Boston, Mass. Fountain-pen. No. 1,261,481; Apr. 2; v. 249; p. 138.
Brandt, George F., assignor to The Moore Pen Company, Boston, Mass. Fountain-pen. No. 1,267,624; May 28; v. 250; p. 849.
Brandt, George F., assignor to Moore Pen Company, Boston, Mass. Fountain-pen. No. 1,288,819; Dec. 24; v. 257; p. 741.
Brandt, Gustav O., and T. Mahoney, Detroit, assignors to L. A. Young, Highland Park, Mich. Cushion-spring. No. 1,257,310; Feb. 26; v. 247; p. 754.
Brandt, John A., St. Louis, Mo. Marking-machine. No. 1,263,198; Apr. 16; v. 249; p. 682.
Brandt, John A., St. Louis, Mo. Collapsible spool. No. 1,287,857; Dec. 17; v. 257; p. 479.
Brandum, Emmet C., Frazee, Minn. Piston-ring. No. 1,251,630; Jan. 1; v. 246; p. 56.
Brann, Luther C., *et al.* (See Biggers, Lee P., assignor.)
Brannan, Samuel F., Denver, Colo. Illuminating tooth-clamp. No. 1,266,659; May 21; v. 250; p. 554.
Brannen, Melvin L., Minioia, Ga. Automatic railway-switch. No. 1,278,840; Sept. 17; v. 254; p. 463.
Brano, Frederick L., New York, N. Y. Receptacle for toilet powders. No. 1,278,841; Sept. 17; v. 254; p. 463.
Bransford, Joseph, Fellows, Cal. Door latch and lock. No. 1,251,631; Jan. 1; v. 246; p. 56.
Brant, Frank O., San Francisco, Cal. Display-figure. No. 1,251,857; Jan. 1; v. 246; p. 126.
Brant, Henry M. (See Gordon, Samuel W., assignor.)
Brantingham, Allen C., Toledo, Ohio, assignor to Nordyke & Marmon Company, Indianapolis, Ind. Mill. No. 1,282,181; Oct. 22; v. 255; p. 663.
Brantingham, Allen C., Toledo, Ohio, and L. R. Key, Guelph, Ontario, Canada; said Key assignor, by mesne assignments, to Brantingham. Dust-collecting mechanism. No. 1,277,691; Sept. 3; v. 254; p. 100.
Brantley, Lewis R., Marietta, Ga. Corn-planter. No. 1,274,239; July 30; v. 252; p. 1093.
Branzell, Hjalmar F., Limhamn, Sweden. Wrought-iron ribbed pipe. No. 1,284,578; Nov. 12; v. 256; p. 325.
Brasco Manufacturing Company. (See Hester, George C., assignor.)
Braselton, Chester H., and F. M. Carroll, Dayton, Ohio, assignors, by mesne assignments, to Wolverine Spark Plug Company, Inc. Spark-plug. No. 1,269,782; June 18; v. 251; p. 530.
Braselton, Chester H., Detroit, Mich., and F. M. Carroll, New York, N. Y., assignors to Wolverine Spark Plug Company, Inc., Detroit, Mich. Spark-plug. No. 1,269,783; June 18; v. 251; p. 530.
Brasen, Axel, Astoria, N. Y. Antiskid device. No. 1,277,288; Aug. 27; v. 253; p. 906.
Brasher, Philip, New Haven, Conn. Registering device. No. 1,262,742; Apr. 16; v. 249; p. 552.
Brashear, William R., Dayton, Ohio. Anchor-rod. No. 1,276,021; Aug. 20; v. 253; p. 525.
Brasier, William H., Corpus Christi, Tex. Combination safety-razor and hair-trimmer. No. 1,276,022; Aug. 20; v. 250; p. 525.
Brasington, Charles N. (See Rivers, George W., assignor.)
Brass Goods Manufacturing Co. (See Cooper, Simon, assignor.)
Brass Goods M'f'g Co. (See Frey, August J., assignor.)
Brassard, Werner A. à, New York, N. Y. Illuminated note-pad. No. 1,279,820; Sept. 24; v. 254; p. 757.
Brassert, Hermann A. (See Walker, George M., assignor.)
Brassert, Hermann A., Chicago, Ill. Gas-drier. No. 1,264,263; Apr. 30; v. 249; p. 1028.
Brassill, Frank A. (See Nilson and Brassill.)
Brassill, Frank A., Hartford, Conn. Guard and water-feed combination. No. 1,286,518; Dec. 3; v. 257; p. 83.
Bratherton, James, Detroit, Mich. Device for cleaning phonograph-records. No. 1,261,688; Apr. 2; v. 249; p. 198.
Bratt, Clayton, and C. M. Holcomb, assignors to Weber-Knapp Company, Jamestown, N. Y. Lid-support. No. 1,259,075; Mar. 12; v. 248; p. 366.
Bratton, Albert L., Portland, Oreg. Clutch mechanism. No. 1,258,310; Mar. 5; v. 248; p. 104.
Bratton, Fred O., *et al.* (See Steers, Walter C., assignor.)
Braucher, Peter S. (See Rice, William L., assignor.)
Braude, Jacob, New York, N. Y. Attachment for sewing-machines. No. 1,287,205; Dec. 10; v. 257; p. 288.
Brauer, Albert, Millington, Mich. Extensible stovepipe. No. 1,256,654; Feb. 19; v. 247; p. 527.
Brauer, Arthur J., St. Louis, Mo. Strap-working machine. No. 1,272,612; July 16; v. 252; p. 581.
Braun, Carl F., San Francisco, Cal. Twin strainer. No. 1,253,344; Jan. 15; v. 246; p. 617.
Braun, Carl F., San Francisco, Cal. Heat-exchanger. No. 1,284,868; Nov. 12; v. 256; p. 399.
Braun, William F. H., assignor to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Gang-mower. No. 1,260,631; Mar. 26; v. 248; p. 879.
Braun, William P. M., Philadelphia, Pa., assignor to Pennsylvania Lawn Mower Works. Handle for lawn-mowers, &c. No. 1,257,455; Feb. 26; v. 247; p. 795.
Braund, Frederick G., and L. J. Vargo, Cleveland, Ohio. Welding compound. No. 1,271,125; July 2; v. 252; p. 104.
Brauner, Pincus, and L. W. Rosen, assignors to A. E. Brion, New York, N. Y. Film-shifting device for cameras. No. 1,253,205; Jan. 15; v. 246; p. 574.
Braunger, Jacob F., Buffalo, N. Y. Headstone-bracket. No. 1,283,463; Nov. 5; v. 256; p. 7.
Brauning, Gottlob J., Detroit, Mich. Variable-stroke regulator for pumps. No. 1,280,148; Oct. 1; v. 255; p. 8.
Brauning, Karl A., Herstal, Belgium. Rotary magazine. No. 1,281,497; Oct. 15; v. 255; p. 439.
Braunlich, Henry, Davenport, Iowa. Laundry apparatus. No. 1,254,972; Jan. 29; v. 246; p. 1136.
Braunschweiler, John W., Palo Alto, Cal. Game. No. 1,275,210; Aug. 13; v. 253; p. 270.
Braunwarth, Edward P., Brooklyn, N. Y. Cut-out switch for alternating-current motor-circuits. No. 1,288,820; Dec. 24; v. 257; p. 741.
Braunwarth, Otto, New York, N. Y. Tire-tread. No. 1,280,382; Oct. 1; v. 255; p. 75.
Bravi, Giuseppe, assignor of one-half to S. T. Alleva, Norristown, Pa. Springless or floating suspension for vehicles. No. 1,259,351; Mar. 12; v. 248; p. 443.
Brawn, Charles A., Philadelphia, Pa. Rock-drill bit. No. 1,283,646; Nov. 5; v. 256; p. 55.
Brawner, Charles R., Los Angeles, Cal. Luggage-fastener. No. 1,270,921; July 2; v. 252; p. 48.
Bray, Arthur, assignor to George Bray & Company, Limited, Leeds, England. Gas-burner. No. 1,281,903; Oct. 15; v. 255; p. 547.
Bray, Horatio N., and J. W. Forster, Montreal, Quebec, Canada. Attachment for braces. No. 1,279,505; Sept. 24; v. 254; p. 666.
Braytoa, Grant. (See Young and Porter, assignors.)
Brazeal, Hulen, Harrison, Ark. Automatically-operated farm-gate. No. 1,268,815; June 11; v. 251; p. 230.
Brazee, George, Seattle, Wash. Signal device for automobiles. No. 1,252,655; Jan. 8; v. 246; p. 385.
Brazil, Antonio C., Rio de Janeiro, Brazil, assignor to Companhia Grelhas Economicas Brasil Corporation. Grate and grate-bar. No. 1,272,906; July 16; v. 252; p. 666.
Brazil Motors Company. (See Oversmith, Elmer H., assignor.)
Brazil, Straker & Co. (See Fedden, Alfred H. R., assignor.)
Bream, Calvin, Cincinnati, Ohio. Dispenser. No. 1,280,654; Oct. 8; v. 255; p. 175.
Brecheen, Samuel H., Prosper, Tex. Harness. No. 1,265,040; May 7; v. 250; p. 47.
Brecht Company. (See Gillespie, Alan K., assignor.)
Breck, George D. (See Merten, William J., assignor.)
Breck, George D., Cleveland, Ohio, and W. J. Merten, Pittsburgh, Pa.; said Merten assignor to said Breck. Article of body-wear. No. 1,280,149; Oct. 1; v. 255; p. 9.
Breckenfeld, Elmer, Racine, Wis. Cigar-preserver. No. 1,262,440; Apr. 9; v. 249; p. 438.
Breckenridge, Harold C., Hilger, Mont. Toy. No. 1,286,219; Dec. 3; v. 257; p. 9.
Bredel, Frederick A., and J. Bergmann, St. Louis, Mo.; said Bergmann assignor to said Bredel. Coke-oven. No. 1,255,579; Feb. 5; v. 247; p. 135.
Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Book-binding or covering machine. No. 1,252,879; Jan. 8; v. 246; p. 448.
Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works, and one-half to T. W. & C. B. Sheridan Company. Bookbinding-machine. (Reissue.) No. 14,485; June 11; v. 251; p. 440.
Breece, Dole I., Alma, Mich. Beet-topper. No. 1,269,371; June 11; v. 251; p. 385.
Breechloader Pipe Company, The. (See Irving, James A., assignor.)
Breed, George P., Whitehall, and E. L. Hawn, Ruby, Wis.; said Hawn assignor to said Breed. Traction-wheel. No. 1,282,674; Oct. 22; v. 255; p. 797.
Breen, James A., assignor of one-half to H. H. Miller, Washington, D. C. Morse-transmitter. No. 1,276,617; Aug. 20; v. 253; p. 692.
Breen, John A., New Hartford, N. Y. Device for preventing telephone-cords and the like from twisting. No. 1,259,597; Mar. 19; v. 248; p. 545.
Breen, Michael J., Louisville, Ky. Gage-glass. No. 1,252,656; Jan. 8; v. 246; p. 385.
Breen, Thomas D., New York, N. Y. Jass-stage. No. 1,259,352; Mar. 12; v. 248; p. 444.
Breen, Thomas E., Colwyn, Pa., and R. Meredith, Spring Valley, assignors to Dexter Folder Company, Pearl River, N. Y. Slow-down and sheet-straightener for feeding-machines. No. 1,289,628; Dec. 31; v. 257; p. 965.
Breese, Orville V., Scottsbluff, Nebr. Drag attachment for plows. No. 1,251,632; Jan. 1; v. 246; p. 56.

Alphabetical list of patentees—Continued.

Breeze, Alfred B., Cincinnati, Ohio, and J. Carr, Syracuse, N. Y., assignors to The Cincinnati Ball Crank Co., Oakley, Cincinnati, Ohio. Universal joint. No. 1,276,695; Aug. 20; v. 253; p. 712.
Brehm, Alexander G. (See Crisman and Brehm.)
Brehm, John C., Bayonne, N. J. Machine for driving nails and the like. No. 1,283,647; Nov. 5; v. 256; p. 55.
Brehmeyer, Henry, Princeton, N. J. Spark-plug. No. 1,258,180; Mar. 5; v. 248; p. 67.
Breidenbach, William F., Indianapolis, Ind. Valve for oxygen-tanks. No. 1,276,715; Aug. 27; v. 253; p. 756.
Breidert, George C., assignor to Auto Utilities Manufacturing Company, Chicago, Ill. Ventilator. No. 1,275,211; Aug. 13; v. 253; p. 270.
Breining, Edward W., Bellevue, Ky. Presser-foot lock. No. 1,253,134; Jan. 8; v. 246; p. 526.
Breirather, Ignatz, Plymouth, Wis. Lock. No. 1,270,372; June 25; v. 251; p. 713.
Breit & Co., N. C. (See Faarborg, Jens L. H., assignor.)
Breitenstein, Albert F. (See Metzger and Breitenstein.)
Breitfeld, John. (See Hutchison and Breitfeld.)
Breitstein, Abraham, Richmond, Va. Relief-valve. No. 1,274,378; Aug. 6; v. 253; p. 8.
Breitzman, H. W., *et al.* (See Speasl, George A., assignor.)
Brell, Julius J., New York, N. Y. Button-placing device for sewing-machines. No. 1,270,594; June 25; v. 251; p. 776.
Brell, Julius J., New York, N. Y. Garment-fastener. No. 1,281,904; Oct. 15; v. 255; p. 548.
Bremer & Bruckmann. (See Buhles, William C., assignor.)
Bremer, Christian F., Tampa, Fla. Cigar-bunching machine. No. 1,258,311; Mar. 5; v. 248; p. 105.
Bremer, Emil G., Cincinnati, Ohio. Candy-starching device. No. 1,252,390; Jan. 8; v. 246; p. 308.
Breneman, Joseph T., Rust, Cal. Combined harvester. No. 1,269,522; June 11; v. 251; p. 424.
Brenkert, Joseph W., San Diego, Cal. Drinking-fountain. No. 1,273,322; July 23; v. 252; p. 802.
Brenkert, Joseph W., and K. S., Detroit, Mich. Light-dissolving device. No. 1,282,743; Oct. 29; v. 255; p. 843.
Brenkert, Karl S. (See Brenkert, Joseph W. and K. S.)
Brennan, Aloysius G. and J. S., Milwaukee, Wis. Portable garment-support. No. 1,267,740; May 28; v. 250; p. 880.
Brennan, Edward J., Oakville, Conn. Inside cover for smoking-tobacco boxes. No. 1,280,383; Oct. 1; v. 255; p. 75.
Brennan, Francis H., Albany, N. Y. Centering device. No. 1,255,507; Feb. 5; v. 247; p. 113.
Brennan, James, Montpelier, Ind. Cultivator-shovel. No. 1,289,629; Dec. 31; v. 257; p. 965.
Brennan, James L., Marshall, Mich. Truss. No. 1,253,135; Jan. 8; v. 246; p. 526.
Brennan, Jennie V., Trenton, N. J. Tie-slide. No. 1,269,372; June 11; v. 251; p. 385.
Brennan, John F., New York, N. Y. Brake-tester. No. 1,264,770; Apr. 30; v. 249; p. 1167.
Brennan, John S. (See Brennan, Aloysius G. and J. S.)
Brennan, John S., Milwaukee, Wis. Automatic damper control. No. 1,251,633; Jan. 1; v. 246; p. 57.
Brennan, John S., Milwaukee, Wis. Vapor-heating system. No. 1,271,658; July 8; v. 252; p. 287.
Brennan, John S., and A. J. Lindemann, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Liquid-fuel stove. No. 1,274,134; July 30; v. 252; p. 1063.
Brennan, Thomas F. (See Mullen and Brennan.)
Brennan, Thomas M., *et al.* (See McSweeney, George W., asignor.)
Brenneisen, George, *et al.* (See Harris and Ritchay, assignors.)
Brennesen, Ernest J., New York, N. Y. Tube-injector. No. 1,266,394; May 14; v. 250; p. 448.
Brent, James A. (See Cooley, George T., assignor.)
Brenzinger, Julius, Mount Vernon, N. Y. Can-testing machine. No. 1,270,922; July 2; v. 252; p. 48.
Brenzinger, Julius, Fairfield, Conn., assignor to Sanitary Can Machinery Company, Ellsworth, Me. Can-cover-feeding device. No. 1,270,923; July 2; v. 252; p. 49.
Brenzinger, Julius, Fairfield, Conn., assignor to Sanitary Can Machinery Company, Ellsworth, Me. Can-cover. No. 1,287,206; Dec. 10; v. 257; p. 288.
Brenzinger, Julius, Fairfield, Conn., assignor to Sanitary Can Machinery Company, Ellsworth, Me. Flange-curling machine for can-covers. No. 1,287,207; Dec. 10; v. 257; p. 288.
Bresler, Everett R., Amanda, Ohio. Demountable tire-carrying rim. No. 1,289,630; Dec. 31; v. 257; p. 965.
Bretschneider, Johannes, Wilsdruff, Germany. Inhaler. No. 1,264,607; Apr. 30; v. 249; p. 1125.
Brett, George C. (See Stanford, Frank C., assignor.)
Brett, Lucy M., Forest Hills, assignor to Brett Manufacturing Co., New York, N. Y. Bandeau. No. 1,287,626; Dec. 17; v. 257; p. 421.
Brett Manufacturing Co. (See Brett, Lucy M., assignor.)
Bretton, Harry S., New York, N. Y., assignor to A. H. Andrews, Jr., Aurora, Ill. Container. No. 1,252,543; Jan. 8; v. 246; p. 353.
Bretz, Charles E., Harrisville, Ind. Feed-trough. No. 1,278,583; Sept. 10; v. 254; p. 364.
Bretz, Don C., Fort Worth, Tex. Swing. No. 1,271,126; July 2; v. 252; p. 104.
Breuckman, Franklin C., assignor of one-half to G. T. Arnold, Mackinac Island, Mich. Carriage-return mechanism for type-writers. No. 1,251,746; Jan. 1; v. 246; p. 91.
Breuckman, Franklin C., assignor of one-half to G. T. Arnold, Mackinac Island, Mich. Line-spacing attachment for type-writers. No. 1,251,747; Jan. 1; v. 246; p. 92.
Breunig, Edith, Brooklyn, N. Y. Guard for safety-pins. No. 1,279,080; Sept. 17; v. 254; p. 528.
Brevard, Procter, Weatherford, Tex. Internal-combustion engine. No. 1,274,980; Aug. 6; v. 253; p. 181.
Brevig, Peter M., Ramsey, Mich. Pipe-union. No. 1,281,498; Oct. 15; v. 255; p. 439.
Brevig, Peter M., Ramsay, Mich. Storm-window hanger. No. 1,284,228; Nov. 12; v. 256; p. 236.
Brew, Annie L., administratrix. (See Brew, William H.)
Brew, William H., deceased, Washington, D. C.; A. L. Brew administratrix. Soap-dispensing device. No. 1,255,813; Feb. 5; v. 247; p. 202.
Brewen, Marvin M., Martinez, Cal. Clutch-pedal lock. No. 1,277,184; Aug. 27; v. 253; p. 881.
Brewer, Addison P. (See Malley, Brewer, and Hosner.)
Brewer, Harry and N. G., Sidney, Nebr. Oil-burner. No. 1,252,229; Jan. 1; v. 246; p. 227.
Brewer, Henry, assignor to Winchester Repeating Arms Co., New Haven, Conn. Insulated grip for bayonet-carrying shoulder-arms. No. 1,253,665; Jan. 15; v. 246; p. 709.
Brewer, James E. (See Vanderkleed and Brewer.)
Brewer, John H., Louisville, Ky. Tent. No. 1,253,776; Jan. 15; v. 246; p. 742.
Brewer, John H., Louisville, Ky. Exhibiting device. No. 1,260,136; Mar. 19; v. 248; p. 699.
Brewer, John H., Louisville, Ky. Flag support and cover. No. 1,264,264; Apr. 30; v. 249; p. 1028.
Brewer, John H., Silverton, Oreg. Pie-crimper. No. 1,265,600; May 7; v. 250; p. 198.
Brewer, Joseph H. (See McGehee, Burnard, assignor.)
Brewer, Noah G. (See Brewer, Harry and N. G.)
Brewer, Ranslawer E., San Diego, Cal. Windmill. No. 1,260,254; Mar. 19; v. 248; p. 733.
Brewer, Thomas A., Louisville, Ky. Perforator attachment for printing-presses. No. 1,254,973; Jan. 29; v. 246; p. 1136.
Brewer-Titchener Corporation, The. (See Winans, Daniel M., assignor.)
Brewington, Henry S., Baltimore, Md. Folding fan. No. 1,261,582; Apr. 2; v. 249; p. 138.
Brewster, Charles W., assignor of one-half to J. M. Leach, New York, N. Y. Automatic train-stop. No. 1,258,650; Mar. 12; v. 248; p. 244.
Brewster & Co. (See Campbell, Alfred L., assignor.)
Brewster, Ethelbert J., Fresno, Cal. Vehicle-spring. No. 1,287,858; Dec. 17; v. 257; p. 479.
Brewster Film Corporation. (See Brewster, Percy D., assignor.)
Brewster, Percy D., East Orange, N. J. Color cinematography. No. 1,253,136; Jan. 8; v. 246; p. 526.
Brewster, Percy D., East Orange, N. J. Color cinematography. No. 1,253,137; Jan. 8; v. 246; p. 527.
Brewster, Percy D., East Orange, N. J. Color-negative film. No. 1,258,087; Mar. 5; v. 248; p. 41.
Brewster, Percy D., East Orange, N. J. Apparatus for printing cinematographic films. No. 1,267,844; May 28; v. 250; p. 912.
Brewster, Percy D., East Orange, assignor to Brewster Film Corporation, Newark, N. J. Light-splitting device for color photography. No. 1,253,138; Jan. 8; v. 246; p. 527.
Brewster, Percy D., East Orange, assignor to Brewster Film Corporation, Newark, N. J. Light-splitting device for color photography. No. 1,277,040; Aug. 27; v. 253; p. 840.
Brewster, Percy D., East Orange, assignor to Brewster Film Corporation, Newark, N. J. Photographic camera. No. 1,277,041; Aug. 27; v. 253; p. 841.
Brewster, Percy D., East Orange, assignor to Brewster Film Corporation, Newark, N. J. Photographic camera. No. 1,284,869; Nov. 12; v. 256; p. 399.
Brewster, Theodore J., Chester, Pa. Developing composition. No. 1,255,508; Feb. 5; v. 247; p. 114.
Brewster, William, New York, N. Y. Wind-shield for motor-vehicles. No. 1,258,528; Mar. 5; v. 248; p. 169.
Breyer, Frank G. (See Singmaster and Breyer.)
Breyley, Edward W., and J. U. Duffy, Cleveland, Ohio. Car-stop. No. 1,276,023; Aug. 20; v. 253; p. 526.
Briant Manufacturing Company. (See Chatfield, George L., assignor.)
Brice, Alfred L. (See Brice, Milton D. and A. L.)
Brice, Arthur W. and I. E. Booth, Rochester, N. Y., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for marking shoe-uppers. No. 1,278,842; Sept. 17; v. 254; p. 463.
Brice, Milton D. and A. L., Minneapolis, Minn. Pole-coupling. No. 1,254,199; Jan. 22; v. 246; p. 882.
Bricken, John, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Calculating-machine. No. 1,266,660; May 21; v. 250; p. 554.

Bricken, John, assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,277,692; Sept. 3; v. 254; p. 100.
Bricker, Havel, and E. Fisher, Pittsford, Mich. Power device. No. 1,270,110; June 18; v. 251; p. 616.
Brickey, Owen E., Santa Maria, Cal. Trace-coupling. No. 1,282,534; Oct. 22; v. 255; p. 758.
Brickman, Samuel, Oklahoma, Okla. Oil-refining. No 1,279,506; Sept. 24; v. 254; p. 666.
Bride, Cotter T., Washington, D. C. Reinforced ship. No. 1,274,981; Aug. 6; v. 253; p. 181.
Bridenstine, Jay G., Audubon, Iowa. One-wheel harrow-cart. No. 1,255,509; Feb. 5; v. 247; p. 114.
Bridgeport Brass Company. (See Clark, Walter R., assignor.)
Bridgeport Brass Company. (See Limont, Alexander W., assignor.)
Bridgeport Brass Company. (See Vicaire, Marie J. A., assignor.)
Bridgeport Hardware Manufacturing Corporation, The. (See Hobbs and Gibbs, assignors.)
Bridges, William H., Grand Rapids, Mich., assignor to B. Feld, Fulton county, Ga. Toilet-brush. No. 1,272,907; July 16; v. 252; p. 667.
Bridges, William H., Grand Rapids, Mich., assignor to B. Feld, Fulton county, Ga. Toilet-brush. No. 1,272,908; July 16; v. 252; p. 667.
Bridgham, Arthur L., assignor of one-half to C. H. Sherburne, Boston, Mass. Valve. No. 1,283,061; Oct. 29; v. 255; p. 932.
Bridgman, Jesse E., assignor of one-third to Basse Bros., Fredericksburg, Tex. Clamp for spirit-levels. No. 1,264,484; Apr. 30; v. 249; p. 1090.
Bridgewood, Charlotte A., Westwood, N. J. Cleaning device. No. 1,274,983; Aug. 6; v. 253; p. 182.
Bridgwood, Charlotte A., Westwood, N. J. Wind-shield cleaner. No. 1,253,929; Jan. 15; v. 246; p. 784.
Briechle, Ambrosius, Brooklyn, N. Y., assignor to The Adder Machine Company, Wilkes-Barre, Pa. Calculating-machine. No. 1,260,632; Mar. 26; v. 248; p. 879.
Bried, Julien A., Oakland, Cal. Velocipede. No. 1,258,391; Mar. 5; v. 248; p. 128.
Briel, Henry G., Ottawa, Ill. Safety-valve. No. 1,253,930; Jan. 15; v. 246; p. 784.
Brienza, Angelo, assignor of one-half to C. N. Gregg, New York, N. Y. Washtub-cover. No. 1,272,203; July 9; v. 252; p. 440.
Briese, Henry, Far Rockaway, N. Y. Culinary vessel. No. 1,261,352; Apr. 2; v. 249; p. 103.
Brigel, Leo A., Cheviot, assignor to Aman and Sandmann, Cincinnati, Ohio. Toy vehicle. No. 1,267,050; May 21; v. 250; p. 662.
Briggs, Abel C., Wilmington, Ohio. Roadway construction. No. 1,286,925; Dec. 10; v. 257; p. 215.
Briggs, Arthur J., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,274,379; Aug. 6; v. 253; p. 9.
Briggs, Clare, Battle Creek, Mich. Tooth-brush. No. 1,279,507; Sept. 24; v. 254; p. 666.
Briggs, Crissey B. (See Whitcomb and Briggs.)
Briggs, Ernest G., Brookville, Pa. Aeroplane. No. 1,264,152; Apr. 30; v. 249; p. 995.
Briggs, Frank. (See Uhan, William J., assignor.)
Briggs, George W., Brooklyn, N. Y. Exercising and massaging device. No. 1,254,974; Jan. 29; v. 246; p. 1136.
Briggs, John, and J. T. Jenkins, assignors to R. Berkenkamp, San Francisco, Cal. Automatic phonograph. No. 1,273,572; July 23; v. 252; p. 870.
Briggs, John F., Gays Mills, assignor of one-half to S. C. Martner, Prairie du Chien, Wis. Convertible folding go-cart. No. 1,271,270; July 2; v. 252; p. 146.
Briggs, John G., Visalia, Cal. Polish for varnished surfaces and the like. No. 1,289,103; Dec. 31; v. 257; p. 834.
Briggs, Joseph J., Belfast, Ireland. Embroidery attachment for sewing-machines. No. 1,262,441; Apr. 9; v. 249; p. 438.
Briggs Manufacturing Company. (See Hund and Pegau, assignors.)
Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Regulator for charging storage batteries. No. 1,262,917; Apr. 16; v. 249; p. 602.
Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Switch front plate. No. 1,280,655; Oct. 8; v. 255; p. 175.
Briggs & Stratton Company. (See Briggs, Stephen F., assignor.)
Briggs, Thomas, Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. No. 1,258,392; Mar. 5; v. 248; p. 128.
Briggs, Thomas A., East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Sheet-feeding machine. No. 1,259,598; Mar. 19; v. 248; p. 545.
Briggs, Warren R., Stratford, Conn. Demountable tire-rim. No. 1,252,391; Jan. 8; v. 246; p. 308.
Briggs, William L., Gadsden, Ala. Double-row corn-cutter. No. 1,252,880; Jan. 8; v. 246; p. 448.
Briggs, William L., Gadsden, Ala. Smoke-consumer. No. 1,284,053; Nov. 5; v. 256; p. 161.
Brigham-Hopkins Co. (See Mertz, Harry, assignor.)
Bright, Bertha R., New York, N. Y. Dress. No. 1,287,859; Dec. 17; v. 257; p. 479.
Bright Cigar Machine Company. (See Froehlick, Harry T., assignor.)
Bright, Fred E., Philadelphia, Pa. Chuck. No. 1,256,104; Feb. 12; v. 247; p. 328.
Bright, Fred E., Philadelphia, Pa. Grinding-machine. No. 1,289,375; Dec. 31; v. 257; p. 902.
Bright, Martin C., assignor of one-half to T. Bemis, Sr., Indianapolis, Ind. Steering-gear attachment. No. 1,271,537; July 9; v. 252; p. 252.
Bright, Richard A., South Auburn, Cranston, R. I. Cigar-machine. No. 1,260,137; Mar. 19; v. 248; p. 699.
Bright, Roberts O. (See Davis, Smith, and Bright.)
Bright, Virginia B., Fayetteville, Tenn. Package and baggage tie. No. 1,251,470; Jan. 1; v. 246; p. 5.
Brightly, William C., Englewood, N. J. Hydrant-wrench. No. 1,286,926; Dec. 10; v. 257; p. 215.
Brightman, Latham H., Columbus, Ohio. Rod-straightening device. No. 1,278,299; Sept. 10; v. 254; p. 288.
Brilhart, William W., Indiana, Pa. Rimless optical lens. No. 1,273,573; July 23; v. 252; p. 871.
Brillhart, William M., York, Pa. Trolley-head. No. 1,276,483; Aug. 20; v. 253; p. 654.
Brinck, Hans, Los Angeles, Cal., assignor of forty-nine one-hundredths to L. E. Bergeron, Chicago, Ill. Cutting device for opening plaster casts on the bodies of injured. No. 1,269,373; June 11; v. 251; p. 385.
Brinck, Hans, assignor of one-half to O. H. Krueger, Los Angeles, and one-half to M. E. Cline, San Francisco, Cal. Device for filtering and purifying water. No. 1,279,240; Sept. 17; v. 254; p. 569.
Brindley, Walter W., Pasadena, Cal. Portable rabbit-cage. No. 1,267,625; May 28; v. 250; p. 849.
Bringe, William F., assignor to T. Leubusher and B. F. Salzstein, Milwaukee, Wis. Advertising device. No. 1,255,076; Jan. 29; v. 246; p. 1164.
Brink, Carl A., Providence, R. I. Indicator and stop device. No. 1,286,927; Dec. 10; v. 257; p. 215.
Brink, John. (See Vander Kolk and Brink.)
Brinker, Frank, *et al.* (See Olerich, Henry, assignor.)
Brinkhaus, Hugo, Brooklyn, N. Y. Boat. No. 1,271,499; July 2; v. 252; p. 208.
Brinkman, George W. (See Lockwood and Brinkman.)
Brinkman, Harry H., Toledo, Ohio. Metallic railway-tie. No. 1,286,519; Dec. 3; v. 257; p. 83.
Brinser, Millard E., York, Pa. Liquid-receptacle and ejecting device. No. 1,277,842; Sept. 3; v. 254; p. 141.
Brintnall, Thomas M., Los Angeles, Cal. Lock. No. 1,259,353; Mar. 12; v. 248; p. 444.
Brinton, Willard C., New York, N. Y. Jack. No. 1,267,051; May 21; v. 250; p. 663.
Brinton, William C., Jr., assignor to Philips-Brinton Company, Kennett Square, Pa. Electric vibrator. No. 1,254,880; Jan. 29; v. 246; p. 1112.
Brinton, William F., Washington, Iowa. Road-grader. No. 1,270,259; June 25; v. 251; p. 682.
Brion, Adolph E. (See Brauner and Rosen, assignors.)
Brior, Jonas F., Easton, Pa. Ratchet-wrench. No. 1,273,726; July 23; v. 252; p. 910.
Brisbine, Charles, Lisbon, N. D. Fusible link. No. 1,272,369; July 16; v. 252; p. 515.
Brisco, Hylton A., Fresno, assignor of two-thirds to D. L. Phillips, Oakland, Cal. Water-tube boiler. No. 1,285,010; Nov. 19; v. 256; p. 474.
Briskin Manufacturing Company, The. (See May, Joseph P., assignor.)
Brislin, Leo F., Ashland, Ky. Socket-transformer. No 1,274,380; Aug. 6; v. 253; p. 9.
Bristle, George M., Ellsworth, Wis. Bark-remover. No. 1,261,689; Apr. 2; v. 249; p. 198.
Bristol, Carlton W. (See Bristol, Howard H. and C. W.)
Bristol Company, The. (See Bristol, Howard H. and C. W., assignors.)
Bristol Company, The. (See Johnson, Manfred J., assignor.)
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Measuring instrument. No. 1,272,344; July 9; v. 252; p. 480.
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Measuring instrument. No. 1,283,395; Oct. 29; v. 255; p. 1020.
Bristol, Harold B., St. Louis, Mo. Loose-leaf binder. No. 1,253,206; Jan. 15; v. 246; p. 575.
Bristol, Howard H. and C. W., Naugatuck, assignors to The Bristol Company, Waterbury, Conn. Measuring instrument. No. 1,287,860; Dec. 17; v. 257; p. 479.
Bristol, John I. D., Chappaqua, N. Y. Ink-well. No. 1,277,693; Sept. 3; v. 254; p. 101.
Bristol, William H., Waterbury, Conn. Measuring apparatus. No. 1,263,308; Apr. 16; v. 249; p. 710.
Bristow, Charles, and M. McDonald, Butte, Mont. Liquid polish. No. 1,278,843; Sept. 17; v. 254; p. 464.
Bristow, Walter M. (See Halsey, Louis M., assignor.)
British America Nickel Corporation Limited. (See Gillis, Julius H., assignor.)
British American Tobacco Company. (See Caudle, Joseph J., assignor.)
British Imperial Oil Company Limited, The. (See Parker, Allan H., assignor.)

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British Westinghouse Electric and Manufacturing Company, The. (See Baumann, Karl, assignor.)
British Westinghouse Electric & Manufacturing Company, The. (See Scanes, Arthur E. L., assignor.)
Britt, Alliebel R., Jackson, Miss. Nursing-bottle. No. 1,267,176; May 21; v. 250; p. 699.
Brittain, George E., assignor to I. L. Keith, Haverhill, Mass. Sole-press. No. 1,270,111; June 18; v. 251; p. 616.
Britten, William G., Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,271,127; July 2; v. 252; p. 104.
Brittin, Walter S., Vallejo, Cal. Temperature-indicator. No. 1,276,024; Aug. 20; v. 253; p. 526.
Brittingham, Vertner D., Lexington, Ky. Fence-post. No. 1,261,353; Apr. 2; v. 249; p. 103.
Britton, C. S., *et al.* (See Case, Francis M., assignor.)
Britton Carbureter Company, The. (See Britton, Karl B., assignor.)
Britton, Karl B., assignor to The Britton Carbureter Company, Cleveland, Ohio. Carbureter. No. 1,261,756; Apr. 9; v. 249; p. 248.
Britton, Karl B., East Cleveland Ohio, assignor to Peter A. Frasse & Co., Inc., New York, N. Y. Valve. No. 1,289,104; Dec. 31; v. 257; p. 834.
Britton, Loyal H. (See Sellmeyer and Britton.)
Britton, Walter J., Spartanburg, S. C. Gage-box distributer. No. 1,265,168; May 7; v. 250; p. 82.
Britton, William H., assignor of one-half to L. O. Bowman, Peru, Ind. Door-locking mechanism. No. 1,277,843; Sept. 3; v. 254; p. 142.
Brixey, Austin D. (See Rearick, Charles B., assignor.)
Brixey, Austin D., New York, N. Y. Moving-picture film. No. 1,255,288; Feb. 5; v. 247; p. 49.
Brixey, Austin D., New York, N. Y. Projected-light screen. No. 1,269,046; June 11; v. 251; p. 294.
Brixey, Austin D., New York, N. Y. Moving-picture film and making. No. 1,270,778; July 2; v. 252; p. 7.
Brizendine, Calvin M., Salina, Kans. Attachment for sewing-machines. No. 1,289,376; Dec. 31; v. 257; p. 902.
Brizendine, Charles, Stockton, Cal. Plumb and level gage. No. 1,271,128; July 2; v. 252; p. 105.
Broadbooks, Peter, Batavia, N. Y. Shears and wire-cutter. No. 1,262,303; Apr. 9; v. 249; p. 399.
Broadbooks, Peter, Batavia, N. Y. Quick-action bench-vise. No. 1,281,499; Oct. 15; v. 255; p. 439.
Broadgate, Fred A., Spokane, Wash. Wind-shield attachment for automobiles. No. 1,273,727; July 23; v. 252; p. 911.
Broady, Harry W. (See Lundin and Broady.)
Broc, Victor H., Levallois-Perret, France. Electric connector for security retaining plugs. No. 1,275,524; Aug. 13; v. 253; p. 356.
Brock, Bert A., Seattle, Wash. Motor-cycle. No. 1,279,081; Sept. 17; v. 254; p. 528.
Brock, Frank P. (See Redman, Weith, and Brock.)
Brock, Frederick C., and W. E. Allison, assignors to The J. P. Gordon Company, Columbus, Ohio. Automobile top. No. 1,260,120; Mar. 19; v. 248; p. 695.
Brock, John M., Brooklyn, N. Y. Acetylene-lamp. No 1,269,047; June 11; v. 251; p. 294.
Brock, John M., Brooklyn, N. Y. Attaching device for miners' cap-lamps. No. 1,289,631; Dec. 31; v. 257; p. 965.
Brock, John O., Wilmington, N. C. Spark-plug. No 1,266,205; May 14; v. 250; p. 399.
Brock, John O., assignor to Auto Inspirator Co., Wilmington, N. C. Attachment for internal-combustion motors. No. 1,256,976; Feb. 19; v. 247; p. 622.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting heel-band and making the same. No. 1,257,670; Feb. 26; v. 247; p. 859.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Toe-lasting machine. No. 1,261,483; Apr. 2; v. 249; p. 138.
Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. End-lasting mechanism. No. 1,261,484; Apr. 2; v. 249; p. 139.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,267,370; May 28; v. 250; p. 778.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting apparatus. No. 1,271,659; July 9; v. 252; p. 287.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. No. 1,273,323; July 23; v. 252; p. 802.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon boots or shoes. No. 1,273,324; July 23; v. 252; p. 803.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,284,870; Nov. 12; v. 256; p. 399.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Preparing shoe-uppers. No. 1,285,011; Nov. 19; v. 256; p. 474.
Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. (Reissue.) No. 14,576; Dec. 24; v. 257; p. 801.
Brock, Richard H., Kissimmee, Fla. Clothes-drying rack. No. 1,253,931; Jan. 15; v. 246; p. 785.
Brockenbrough, Hugh B., Fort Dodge, Iowa. Cable-driving mechanism. No. 1,260,308; Mar. 26; v. 248; p. 782.
Brockenbrough, Hugh B., Fort Dodge, Iowa. Chute. No. 1,260,309; Mar. 26; v. 248; p. 783.
Brocker, James, Collinsville, Ill. Acetylene-lamp. No. 1,256,770; Feb. 19; v. 247; p. 560.
Brockett, Bluford W., *et al.* (See Ray, Rudolph W., assignor.)
Brockett, Bluford W., Cleveland, Ohio. Resilient heel. No. 1,286,169; Nov. 26; v. 256; p. 803.
Brockett, Charles W., Brooklyn, assignor to W. R. Ostrander & Company, New York, N. Y. Electric switch. No. 1,266,206; May 14; v. 250; p. 399.
Brockett, Charles W., Brooklyn, assignor to W. R. Ostrander & Company, New York, N. Y. Electric switch. No. 1,274,674; Aug. 6; v. 253; p. 96.
Brockett, William E. (See Yetton and Brockett.)
Brockhouse, Walter J., *et al.* (See Wheeler, Harry J., assignor.)
Brockman, Robert T. (See Sorum and Brockman.)
Brockman, Robert T., assignor to International Money Machine Company, Terre Haute, Ind. Money-handling machine. No. 1,260,310; Mar. 26; v. 248; p. 783.
Brockmüller, Hans, New York, N. Y. Phonograph. No. 1,281,282; Oct. 15; v. 255; p. 379.
Brockton Heel Company. (See Bosworth, Wendell P., assignor.)
Brockton Heel Company. (See Hansalpakar, Edwin, assignor.)
Brockton Heel Company. (See Woodward, William R., assignor.) (Reissue.)
Brode, Johannes, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Process and apparatus for producing alkali metals. No. 1,258,529; Mar. 5; v. 248; p. 169.
Broderick, George H., assignor to I. Hill, Lawrence, Kans. Machine for taping box-blanks and the like. No. 1,270,924; July 2; v. 252; p. 49.
Broderick, Martin T., Minneapolis, assignor of one-half to L. Klima, Owatonna, Minn. Musical hoop. No. 1,258,651; Mar. 12; v. 248; p. 244.
Broderick, Thomas W., Salamanca, N. Y. Air safety-valve. No. 1,288,821; Dec. 24; v. 257; p. 741.
Brodhun, Carl P., assignor to Hazard Manufacturing Company, Wilkes-Barre, Pa. Electric conducting cable or wire. No. 1,285,012; Nov. 19; v. 256; p. 474.
Brodie, Frank F. (See Dahl and Brodie.)
Brodie, John L., London, England. Helmet or head-shield. No. 1,251,959; Jan. 1; v. 246; p. 152.
Brodie, William E., *et al.* (See Chase, George B., assignor.)
Brodsky, Abraham, Detroit, Mich. Beverage. No. 1,280,150; Oct. 1; v. 255; p. 9.
Brodstrom, Gustaf A., Portsmouth, Pa., assignor to J. B. Barrett, Alexandria, Va. Aiming device. No. 1,269,374; June 11; v. 251; p. 386.
Brody & Sons, F. (See Ankele, Louis C., assignor.)
Broecker, Lewis C., Eggertsville, and J. E. Nelson, Lancaster, N. Y. Power-transmitting attachment for motor-vehicles. No. 1,263,199; Apr. 16; v. 249; p. 682.
Broegger, Ivar W., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition system. No. 1,284,054; Nov. 5; v. 256; p. 161.
Broekema, Jacob, assignor to Challenge Refrigerator Company, Grand Haven, Mich. Ice-chamber for refrigerators. No. 1,275,212; Aug. 13; v. 253; p. 270.
Broemel, Louis, assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Machine-stand. No. 1,272,613; July 16; v. 252; p. 582.
Brogan, James A., Lawrence, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Welting. No. 1,278,844; Sept. 17; v. 254; p. 464.
Brogan, Michael F., Lawrence, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Last-block-pulling device. No. 1,288,459; Dec. 24; v. 257; p. 653.
Brogniez, Harvey O., assignor of one-half to H. L. White, Wheeling, W. Va. Fuel-distributing mechanism for carbureters. No. 1,267,314; May 21; v. 250; p. 734.
Brokaw, William G., Paris, France. Cartridge containing compressed or liquefied gas for inflating life-preserving belts, pneumatic tires, and other purposes. No. 1,264,003; Apr. 23; v. 249; p. 923.
Broline, Olof L., and J. A. Nolan, Chicago, Ill. Roller-screen. No. 1,259,480; Mar. 19; v. 248; p. 512.
Broman, John, assignor to Curtis & Marble Machine Company, Worcester, Mass. Seam-protecting device for cloth-shearing machines. No. 1,255,980; Feb. 12; v. 247; 292.
Broman, John G., Chicago, Ill. Locomotive-boiler. No. 1,263,844; Apr. 23; v. 249; p. 878.

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Broman, John G., Chicago, Ill. Low-pressure-return heating system. No. 1,263,845; Apr. 23; v. 249; p. 879.
Brombacher, Julius, Los Angeles, Cal. Automatic gas cut-off. No. 1,273,574; July 23; v. 252; p. 871.
Bromhead, George J., New York, N. Y. Tire-inflating device. No. 1,263,517; Apr. 23; v. 249; p. 791.
Bromley, Forest, Decatur, Ill. Grain-drier. No. 1,254,770; Jan. 29; v. 246; p. 1077.
Bromley, John, Brooklyn, N. Y. Detachable shoe-tongue. No. 1,253,777; Jan. 15; v. 246; p. 742.
Brommer, John, Brooklyn, N. Y. Washboard. No. 1,266,395; May 14; v. 250; p. 448.
Brommersberger, George. (See Schweisthal, Frederick G., assignor.)
Bromwell Brush and Wire Goods Company, The. (See Olsson, Henry A., assignor.)
Bronander, Wilhelm B. (See Clark and Bronnander.)
Bronder, Gaston A., Brooklyn, N. Y. Automatic sugar-cane-feeder regulator. No. 1,259,828; Mar. 19; v. 248; p. 611.
Bronder, Gaston A., Brooklyn, N. Y. Long-range centrifugal governor. No. 1,260,311; Mar. 26; v. 248; p. 784.
Bronder, Gaston A., Brooklyn, N. Y. Three-cylinder gas or vapor engine. No. 1,270,485; June 25; v. 251; p. 746.
Brondersley, Niels C., Minden, Nebr. Leaf-spring oiler. No. 1,253,139; Jan. 8; v. 246; p. 527.
Brongel, Walter, Chicago, Ill. Sword and pistol. No. 1,273,025; July 16; v. 252; p. 698.
Bronski, Andrej, East St. Louis, Ill. Porch-swing. No. 1,275,375; Aug. 13; v. 253; p. 316.
Bronson, Adelbert E., Cleveland, Ohio. Dust-cap. No. 1,262,743; Apr. 16; v. 249; p. 552.
Brook, Irvine, Brighouse, England. Antiskidding chain. No. 1,282,182; Oct. 22; v. 255; p. 663.
Brook, John O., Hillside, Curban, New South Wales, Australia. Power-driven stripper or header harvester. No. 1,286,220; Dec. 3; v. 257; p. 9.
Brooke Aircraft Company, The. (See Brooke, Thomas P., assignor.)
Brooke, Alec, Glasgow, Scotland. Machine for applying metallic leaf. No. 1,261,690; Apr. 2; v. 249; p. 198.
Brooke, Alec., Glasgow, Scotland. Machine for applying metallic leaf. No. 1,279,977; Sept. 24; v. 254; p. 801.
Brooke, Thomas P., Chicago, Ill., assignor to The Brooke Aircraft Company. Flying-boat. No. 1,263,846; Apr. 23; v. 249; p. 879.
Brooke, Thomas P., Chicago, Ill., assignor to The Brooke Aircraft Company. Wing for aeroplanes, flying-boats, &c. No. 1,264,485; Apr. 30; v. 249; p. 1090.
Brooker, Henry. (See Lewis and Brooker.)
Brookins, Andrew J., Buxton, Iowa. Train-controlling apparatus. No. 1,288,494; Dec. 24; v. 257; p. 661.
Brooks, Bernie, St. Louis, Mo. Collar-fastener. No. 1,273,325; July 23; v. 252; p. 803.
Brooks, Charles E., Camden, N. J. Lock. No. 1,267,177; May 21; v. 250; p. 699.
Brooks, David W., assignor to Concrete Steel Company, New York, N. Y. Device for attachment to structural iron in concrete. No. 1,260,748; Mar. 26; v. 248; p. 913.
Brooks, David W., assignor to Concrete Steel Company, New York, N. Y. Concrete-insert. No. 1,267,178; May 21; v. 250; p. 700.
Brooks, David W., assignor to Concrete Steel Company, New York, N. Y. Concrete-insert. No. 1,272,909; July 16; v. 252; p. 668.
Brooks, David W., assignor to Concrete Steel Company, New York, N. Y. Bar-spacer. No. 1,287,861; Dec. 17; v. 257; p. 480.
Brooks, Edward J., East Orange, N. J. Sealing means. No. 1,283,062; Oct. 29; v. 255; p. 932.
Brooks, Elbert J., Sparta, Wis. Chain attachment. No. 1,256,105; Feb. 12; v. 247; p. 329.
Brooks, Emerson S., San Francisco, Cal. Portable burglar-alarm. No. 1,287,627; Dec. 17; v. 257; p. 421.
Brooks, Finly G., *et al.* (See Davies, David, assignor.)
Brooks, Fred D., Richfield, Idaho. Cleaning-rod for guns. No. 1,288,495; Dec. 24; v. 257; p. 662.
Brooks, George N., Rushville, Nebr. Chimney-sleeve. No. 1,279,978; Sept. 24; v. 254; p. 801.
Brooks, Howard, El Paso, Tex. Priming device. No. 1,272,204; July 9; v. 252; p. 440.
Brooks, Jacob. (See Sachar, John, assignor.)
Brooks, James W., Chicago, Ill. Desiccator. No. 1,266,915; May 21; v. 250; p. 624.
Brooks, James W., Baltimore, Md. Valve. No. 1,278,300; Sept. 10; v. 254; p. 289.
Brooks, Jerome B., Syracuse, N. Y. Electric lock-strike. No. 1,274,381; Aug. 6; v. 253; p. 9.
Brooks, Jesse M., Chicago, Ill. Electric sign. No. 1,251,471; Jan. 1; v. 246; p. 6.
Brooks, John C., Paterson, N. J., assignor of one-half to O. T. Waite, Oshkosh, Wis. Woven fabric. No. 1,268,788; June 4; v. 251; p. 203.
Brooks, John C., Paterson, N. J., assignor to O. T. Waite, Oshkosh, Wis. Loom. No. 1,269,375; June 11; v. 251; p. 386.
Brooks, John F., Bluff Dale, Tex. Sanitary nest. No. 1,257,796; Feb. 26; v. 247; p. 897.
Brophy, John P., Cleveland Heights, Ohio. Noiseless car-wheel. No. 1,257,974; Mar. 5; v. 248; p. 7.
Brooks, Joseph F., *et al.* (See Betts and Corey, assignors.)
Brooks Manufacturing Company, The. (See Brooks, Robert A., assignor.)
Brooks, Robert A., Chicago, Ill. Apparatus for flushing water-closets. No. 1,265,601; May 7; v. 250; p. 198.
Brooks, Robert A., assignor to The Brooks Manufacturing Company, Chicago, Ill. Flushing-valve. No. 1,273,140; July 23; v. 252; p. 755.
Brooks, William H., San Jose, Cal. Attachment for dough-mixers. No. 1,286,928; Dec. 10; v. 257; p. 216.
Brooks, William L., Ardmore, Okla. Gas-burner. No. 1,263,029; Apr. 16; v. 249; p. 633.
Brooks, William T., Wilmington, Del. Game apparatus. No. 1,274,135; July 30; v. 252; p. 1063.
Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Box-strap seal. No. 1,251,858; Jan. 1; v. 246; p. 126.
Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Box fastener and seal. No. 1,252,370; Jan. 1; v. 246; p. 268.
Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Box-strap seal. No. 1,271,129; July 2; v. 252; p. 105.
Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Tightener and seal for box-straps. No. 1,273,115; July 16; v. 252; p. 722.
Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Box-strap seal. No. 1,285,607; Nov. 26; v. 256; p. 663.
Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Box-strap seal. No. 1,285,608; Nov. 26; v. 256; p. 663.
Broomhall, Clarence S., Spencers Station, Ohio. Shipping-crate. No. 1,283,648; Nov. 5; v. 256; p. 56.
Brophy, Daniel J., San Fernando, Cal. Incubator. No. 1,255,700; Feb. 5; v. 247; p. 169.
Brophy Engineering Company, The. (See Neracher, Carl A., assignor.)
Brophy, James P., Boston, Mass., assignor to Pneumatic Cushion Inner Tube Company. Inner tube for pneumatic tires. (Reissue.) No. 14,564; Dec. 10; v. 257; p. 386.
Brophy, John P., Cleveland, Ohio. Chuck-operating mechanism. No. 1,261,757; Apr. 9; v. 249; p. 249.
Bropson, James, Cleveland, Ohio. Plumber's furnace. No. 1,253,778; Jan. 15; v. 246; p. 742.
Bropson, James, Cleveland, Ohio. Roof-flashing. No. 1,282,535; Oct. 22; v. 255; p. 758.
Bropson, James, assignor of one-half to J. J. Bropson, Jr., Cleveland, Ohio. Roof-joint. No. 1,276,321; Aug. 20; v. 253; p. 609.
Bropson, James J., Jr. (See Bropson, James, assignor.)
Brorby, Jacob I., assignor of one-half to J. J. Doty, Shenandoah, Iowa. Package-tie. No. 1,263,518; Apr. 23; v. 249; p. 791.
Broschart, Jacob L., Trenton, Mo. Pipe-coupling. No. 1,281,905; Oct. 15; v. 255; p. 548.
Brosi, Christian E., *et al.* (See Hardyman, Frank A., assignor.)
Brosius, Albert M., Pasadena, Cal. Apparatus for aerating sewage. No. 1,286,520; Dec. 3; v. 257; p. 83.
Brosius, Edgar E., Pittsburgh, Pa. Clay-gun-operating mechanism. No. 1,265,602; May 7; v. 250; p. 198.
Brosius, Edgar E., Pittsburgh, Pa. Automatic record-shifting mechanism for phonographs. No. 1,266,767; May 21; v. 250; p. 584.
Brosius, Edgar E., Pittsburgh, Pa. Furnace-charging device. No. 1,273,141; July 23; v. 252; p. 756.
Brosius, Edgar E., Pittsburgh, Pa. Controller. No. 1,273,142; July 23; v. 252; p. 756.
Brosius, Edgar E., Pittsburgh, Pa. Clay-gun. No. 1,288,496; Dec. 24; v. 257; p. 662.
Brosnan, John J., Worcester, Mass. Portable boring-machine. No. 1,272,370; July 16; v. 252; p. 515.
Brothers, Arthur B., Winfield, Kans. Turn-table for automobiles. No. 1,257,456; Feb. 26; v. 247; p. 795.
Brothers, Eli, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Upper-pulling machine. No. 1,289,632; Dec. 31; v. 257; p. 966.
Brothers, Eli, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. No. 1,289,633; Dec. 31; v. 257; p. 966.
Brothers, Eli, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper-pulling machine. No. 1,289,634; Dec. 31; v. 257; p. 966.
Brott, Andrew, Sidney, Nebr. Beet-harvesting machine. No. 1,252,230; Jan. 1; v. 246; p. 228.
Brough, John S., Reeds, Mo. Nut-lock. No. 1,263,200; Apr. 16; v. 249; p. 682.
Broughton, Jake, *et al.* (See Collings, Herbert L., assignor.)
Brouillet, Georges A., Brookline, Mass. Filling teeth. No. 1,262,629; Apr. 16; v. 249; p. 520.
Brouillet, Georges A., Brookline, Mass. Artificial tooth. No. 1,281,500; Oct. 15; v. 255; p. 439.
Brouse, Eldridge D. G. (See Hall and Brouse.)
Brouse, John M., Wadsworth, Ohio. Lettering-guide. No. 1,279,241; Sept. 17; v. 254; p. 570.
Broussard, L. L. (See Vidrine, Homer, assignor.)

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Browand, Benjamin T., Cleveland, Ohio. Lathe tool-holder. No. 1,281,761; Oct. 15; v. 255; p. 508.
Broward, Edward C. (See Bloodgood, James H., assignor.)
Broward, Edward C., South Jacksonville, Fla., assignor to International Marine Planer, Incorporated. Portable hand-planer. No. 1,279,488; Sept. 17; v. 254; p. 637.
Browder, Jewell D., Jr., Canadian, Okla. Electric heater for automobile-radiators. No. 1,285,013; Nov. 19; v. 256; p. 474.
Brower, Abraham T. H., Chicago, Ill. Printing-press. No. 1,270,779; July 2; v. 252; p. 7.
Brower, Abraham T. H., Chicago, Ill. Roller-bearing for printing-presses. No. 1,271,423; July 2; v. 252; p. 187.
Brower, David M. (See Ruiter, Vern L., assignor.)
Brower, James F. and O., Lansing, Mich. Rocking-horse. No. 1,282,744; Oct. 29; v. 255; p. 843.
Brower, Ora. (See Brower, James F. and O.)
Brown, Alexander A., Rutherglen, Scotland. Packing case, box, or carton. No. 1,281,501; Oct. 15; v. 255; p. 440.
Brown, Alexander T., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission-gearing. No. 1,259,829; Mar. 19; v. 248; p. 611.
Brown, Alexander T., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Compensating-gearing. No. 1,268,429; June 4; v. 251; p. 102.
Brown, Alfred G., Los Angeles, Cal. Vegetable-fiber scutching, heckling, and cleaning machine. No. 1,264,608; Apr. 30; v. 249; p. 1125.
Brown, Alfred G., assignor to Yusi Fibre Company, Los Angeles, Cal. Preparing and extracting vegetable fiber from yucca and the like. No. 1,277,185; Aug. 27; v. 253; p. 881.
Brown, Alfred R., Wethersfield, Conn. Brush-holder. No. 1,258,181; Mar. 5; v. 248; p. 67.
Brown, Alfred T., assignor to The Warner Elevator Mfg. Company, Cincinnati, Ohio. Dash-pot buffer. No. 1,267,626; May 28; v. 250; p. 850.
Brown, Andrew V., Philadelphia, Pa. Temple for spectacles. No. 1,288,497; Dec. 24; v. 257; p. 662.
Brown, Annie H., Homestead, Fla. Ice-holder. No. 1,257,797; Feb. 26; v. 247; p. 897.
Brown, Arthur J. (See Jacobson and Brown.)
Brown, Arthur J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Field-pole construction. No. 1,279,643; Sept. 24; v. 254; p. 705.
Brown, Arthur J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bearing. No. 1,279,644; Sept. 24; v. 254; p. 705.
Brown, Arthur L., Milroy, Pa. Keyless padlock. No. 1,286,521; Dec. 3; v. 257; p. 84.
Brown, Augustus F., Havre de Grace, assignor to Maryland Metal Cross Tie Co., Baltimore, Md. Metallic railway-tie and rail-fastening. No. 1,253,779; Jan. 15; v. 246; p. 742.
Brown, Benjamin F., Fitchburg, Mass. Bath-tub rail. No. 1,261,758; Apr. 9; v. 249; p. 249.
Brown, Benjamin F., Fitchburg, Mass. Bath-tub rail. No. 1,261,759; Apr. 9; v. 249; p. 249.
Brown & Bigelow. (See Kristofek, Frank J., assignor.)
Brown & Bigelow. (See Neal, William E., assignor.)
Brown & Bigelow. (See Shourt, James M., assignor.)
Brown Brothers. (See Joseph, Simon, assignor.)
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Chute for filling-replenishing looms. No. 1,287,862; Dec. 17; v. 257; p. 480.
Brown, Carl E., Columbus, Ohio. Oil-burner. No. 1,281,130; Oct. 8; v. 255; p. 305.
Brown, Carl E., Columbus, Ohio. Carbon-remover. No. 1,283,649; Nov. 5; v. 256; p. 56.
Brown, Charles A., *et al.* (See Earl, George G., assignor.)
Brown, Charles A. (See Earl and Brown.)
Brown, Charles A. (See Luce, Grafton E., assignor.)
Brown, Charles A. (See Watkins and Brown.)
Brown, Charles A. (See Willis, George M., assignor.)
Brown, Charles A., *et al.* (See Richard, Leroy L., assignor.)
Brown, Charles A., *et al.* (See Wassell, Clifford R., assignor.)
Brown, Charles E., Lawton, Okla. Ore-separator. No. 1,254,651; Jan. 29; v. 246; p. 1039.
Brown, Charles E., Lawton, Okla. Sluice. No. 1,260,749; Mar. 26; v. 248; p. 913.
Brown, Charles F., assignor of one-half to A. D. Dickerson, New York, N. Y. Faucet for dispensing liquids. No. 1,262,630; Apr. 16; v. 249; p. 520.
Brown, Charles H., El Paso, Tex. Welding. No. 1,263,739; Apr. 23; v. 249; p. 849.
Brown, Charles H., C. L. Swartout, and M. J. Fitzgerald, Richmond, Cal.; said Swartout and said Brown assignors to said Fitzgerald. Light-shield for automobiles. No. 1,263,030; Apr. 16; v. 249; p. 634.
Brown, Charles J., River Falls, Wis. Ladder safety attachment. No. 1,285,918; Nov. 26; v. 256; p. 742.
Brown, Charles R., Detroit, Mich. Sliding-door lock. No. 1,264,364; Apr. 30; v. 249; p. 1055.
Brown, Charles S. (See Dargin, Ernest P., assignor.)
Brown, Charles W. (See Hayward and Brown.)
Brown, Clarence C. (See Larch and Brown.)
Brown, Claude, Chapel Hill, Tenn. Sanitary mouthpiece for telephones. No. 1,259,481; Mar. 19; v. 248; p. 513
Brown, Claude F., assignor to Heco Envelope and Paper Company, Chicago, Ill. Envelop-machine. No. 1,268,674; June 4; v. 251; p. 172.
Brown, Clyde C., Spokane, Wash. Submarine torpedo. No. 1,287,863; Dec. 17; v. 257; p. 480.
Brown, Colin, Rochester, N. Y. Spray-pump. No. 1,263,201; Apr. 16; v. 249; p. 683.
Brown, Cornelius M., Newark, N. J. Means for retaining flags and the like extended. No. 1,255,580; Feb. 5; v. 247; p. 135.
Brown, David D., *et al.* (See Shands, John B., assignor.)
Brown, David W., New York, N. Y. Utilizing high-frequency electric oscillations. No. 1,255,289; Feb. 5; v. 247; p. 49.
Brown, Dennis, San Bernardino, Cal. Valve. No. 1,260,138; Mar. 19; v. 248; p. 700.
Brown, Edmund N., San Francisco, Cal., assignor to Majestic Electric Development Co. Electric heater. No. 1,255,814; Feb. 5; v. 247; p. 202.
Brown, Edward M., Saranac Lake, N. Y. Reclining-chair. No. 1,279,979; Sept. 24; v. 254; p. 802.
Brown, Eliza P., administratrix. (See Hanks, John G.)
Brown, Ellis M., Roanoke, Va. Fender. No. 1,267,966; May 28; v. 250; p. 945.
Brown, Eugene, Earlsboro, Okla. Automobile-heating appliance. No. 1,257,068; Feb. 19; v. 247; p. 648.
Brown, Eugene C. (See Wéry, Emile, assignor.)
Brown, Firmin C., Chicago, Ill. Food-warmer. No. 1,272,205; July 9; v. 252; p. 440.
Brown, Frank, Roaring Spring, Pa. Milk-strainer. No. 1,255,701; Feb. 5; v. 247; p. 169.
Brown, Frank, Los Angeles, Cal. Lettering-guide. No. 1,262,744; Apr. 16; v. 249; p. 552.
Brown, Frank C., Laurium, Mich. Catalogue. No. 1,286,522; Dec. 3; v. 257; p. 84.
Brown, Frank D. (See Watts and Brown.)
Brown, Frank E., Webster City, Iowa. Ice-skate. No. 1,265,994; May 14; v. 250; p. 339.
Brown, Frank E., San Francisco, Cal. Shoe-stitching-machine attachment. No. 1,272,910; July 16; v. 252; p. 668.
Brown, Frank O., assignor of one-half to B. R. Anderson, Dallas, Tex. Tandem-roller attachment. No. 1,265,733; May 14; v. 250; p. 265.
Brown, Frederick B., San Francisco, Cal. Arm and shoulder brace. No. 1,257,297; Feb. 19; v. 247; p. 716.
Brown, Frederick E., Winona, Minn. Automatic stop for talking-machines. No. 1,280,384; Oct. 1; v. 255; p. 75.
Brown, Freeman E., *et al.* (See Hunt, Ozello R., assignor.)
Brown, Fritz H., Chicago, Ill. Milk substitute. No. 1,259,483; Mar. 19; v. 248; p. 513.
Brown, George C. (See Honsberger, William H., assignor.)
Brown, George C., Jackson, Mich. Valve-grinding tool. No. 1,263,202; Apr. 16; v. 249; p. 683.
Brown, George F., Helena, Mont. Box. No. 1,268,318; June 4; v. 251; p. 71.
Brown, George F., St. Cloud, Minn., assignor to The International Patent Investment Company, Fargo, N. D. Grain-bin. No. 1,275,157; Aug. 6; v. 253; p. 230.
Brown, George H. (See Robinson, William H., assignor.)
Brown, George H., Wilkinsburg, Pa. Pedal-control mechanism for gearing. No. 1,267,371; May 28; v. 250; p. 778.
Brown, George L., Plant City, Fla. Fountain tooth-brush. No. 1,260,139; Mar. 19; v. 248; p. 700.
Brown, George M., Cambridge, Mass. Carbureter. No. 1,255,077; Jan. 29; v. 246; p. 1164.
Brown, George R., deceased; W. Brown, Ashwood, Tex., temporary administrator, assignor to Clayton Gin Compress Co., Houston, Tex. Cotton preparing and baling machinery. No. 1,257,798; Feb. 26; v. 247; p. 897.
Brown, Gideon P., Lake Bluff, assignor to Combustion Improvement Company, Chicago, Ill. Device for causing combustion of furnace-gases. No. 1,287,864; Dec. 17; v. 257; p. 480.
Brown, Gordon, Chicago, Ill. Corkscrew and bottle-opener. No. 1,273,026; July 16; v. 252; p. 699.
Brown, Gouverneur G. (See Schuchart and Brown.)
Brown, Guss S. (See Bell and Brown.)
Brown, Hansen & Boettcher. (See Piatt, Charles H., assignor.)
Brown, Hanson & Boettcher. (See Willis, George M., assignor.)
Brown, Harold, Dacoma, Okla. Transmission for automobiles. No. 1,258,312; Mar. 5; v. 248; p. 105.
Brown, Harold P., New York, N. Y. Composition of matter to resist wear and antiskid device embodying the same. No. 1,266,100; May 14; v. 250; p. 369.
Brown, Harold W., Ithaca, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,253,207; Jan. 15; v. 246; p. 575.
Brown, Harold W., Ithaca, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,274,675; Aug. 6; v. 253; p. 96.
Brown, Harold W., Ithaca, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,286,221; Dec. 3; v. 257; p. 9.

Brown, Harrison F., O. D. Maddux, and D. E. Woodling, Washington Court-House, Ohio. Swine-feeding device. No. 1,283,464; Nov. 5; v. 256; p. 7.
Brown, Harry E., Augusta, Kans. Oil-well jack. No. 1,254,572; Jan. 22; v. 246; p. 988.
Brown, Harry E., Augusta, Kans. Ram attachment for well-drilling machines. No. 1,287,865; Dec. 17; v. 257; p. 481.
Brown, Harry G., North Yakima, Wash. Internal-combustion engine. No. 1,282,745; Oct. 29; v. 255; p. 843.
Brown, Haydn, Chislehurst, England. Apparatus for measuring the quantity of expired air. No. 1,271,523; July 2; v. 252; p. 214.
Brown, Henry F., Sheffield, England. Apparatus for cooling, humidifying, and filtering air or the like. No. 1,271,271; July 2; v. 252; p. 147.
Brown, Herbert L., Indianapolis, Ind. Collapsible exhibiting-frame. No. 1,289,377; Dec. 31; v. 257; p. 902.
Brown Hoisting Machinery Company. (See Shnable, Emile R., assignor.)
Brown, Horace P., Oakland, Cal., assignor to Pacific-Burt Company, Limited, Toronto, Ontario, Canada. Sales-book. No. 1,287,866; Dec. 17; v. 257; p. 481.
Brown, Houston L., St. Paul, Va. Cloth-measuring machine. No. 1,288,498; Dec. 24; v. 257; p. 662.
Brown, Howard, Springfield, Mass. Process for marking paper and apparatus therefor. No. 1,261,902; Apr. 9; v. 249; p. 288.
Brown, Howard, Mittineague, Mass. Paper-marking machine. No. 1,261,903; Apr. 9; v. 249; p. 288.
Brown, Howard M. (See Howard and Brown.)
Brown, Howard T., assignor to E. T. Earl, Los Angeles, Cal. Making color half-tones. No. 1,264,004; Apr. 23; v. 249; p. 923.
Brown, Hugh P. (See Gorman, John H., assignor.)
Brown Instrument Company, The. (See Brown, Richard P., assignor.)
Brown Instrument Company, The. (See Cornman and Brown, assignors.)
Brown Instrument Company, The. (See Heitman, Edwin J., assignor.)
Brown, James, assignor to Venango Knitting Mills, Philadelphia, Pa. Tension device for circular-knitting machines. No. 1,255,815; Feb. 5; v. 247; p. 203.
Brown, James A., Chicago, Ill. Demountable wheel-rim. No. 1,284,229; Nov. 12; v. 256; p. 236.
Brown, James A., assignor to Perfection Gas Engine Company, Cedar Rapids, Iowa. Internal-combustion engine. No. 1,261,354; Apr. 2; v. 249; p. 103.
Brown, James A., assignor to Perfection Gas Engine Company, Cedar Rapids, Iowa. Exhaust-valve-actuating means for internal-combustion engines. No. 1,261,355; Apr. 2; v. 249; p. 104.
Brown, James H., New York, N. Y. Lens mounting. No. 1,264,888; May 7; v. 25 ; p. 5.
Brown, James H., Butte, Mont. Grate. No. 1,280,151; Oct. 1; v. 255; p. 9.
Brown, James M., Philadelphia, Pa. Winding-spindle. No. 1,261,356; Apr. 2; v. 249; p. 104.
Brown, Jerry F., Sterling City, Tex. Fence attachment. No. 1,270,112; June 18; v. 251; p. 617.
Brown, John. (See Cowan and Brown.)
Brown, John, Preston, Idaho. Switch-actuating mechanism. No. 1,262,168; Apr. 9; v. 249; p. 362.
Brown, John F., La Salle, N. Y. Rotary engine. No. 1,258,182; Mar. 5; v. 248; p. 68.
Brown, John H., Chicago, Ill. Resilient heel and anchoring-washer therefor. No. 1,269,155; June 11; v. 251; p. 324.
Brown, John K., Belfast, Ireland. Device for cutting up carcasses. No. 1,265,603; May 7; v. 250; p. 199.
Brown, John L., Minneapolis, Minn. Portable bath-house. No. 1,254,771; Jan. 29; v. 246; p. 1077.
Brown, John M., Hamilton, Ontario, Canada. Shell-marking machine. No. 1,253,463; Jan. 15; v. 246; p. 653.
Brown, John R., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail-bond. No. 1,253,462; Jan. 15; v. 246; p. 652.
Brown, John R., assignor to The Ohio Brass Company, Mansfield, Ohio. Compressor indicating and recording device. No. 1,256,655; Feb. 19; v. 247; p. 527.
Brown, John T. S., Jr., Prospect, and L. L. Miles, Louisville, Ky. Mechanical movement. No. 1,265,041; May 7; v. 250; p. 48.
Brown, John W., Lakewood, Ohio. Recovering metal from scrap material. No. 1,260,312; Mar. 26; v. 248; p. 784.
Brown, John W., and W. Hess, Philadelphia, Pa.; said Hess assignor to said Brown. Sheet-metal-seaming machine. No. 1,270,373; June 25; v. 251; p. 714.
Brown, Joseph C., Clark, Wyo. Guard-finger. No. 1,270,689; June 25; v. 251; p. 800.
Brown, Julia D., New York, N. Y. Watch-hook. No. 1,259,830; Mar. 19; v. 248; p. 612.
Brown, Julius N., Chicago, Ill. Flange for piano-actions. No. 1,271,130; July 2; v. 252; p. 105.
Brown, Kirk, Montclair, and D. S. Kendall, East Orange, assignors to Condensite Company of America, Bloomfield, N. J. Condensation product and preparing same. No. 1,263,031; Apr. 16; v. 249; p. 634.
Brown, Leonard, deceased, Webb City, Mo.; M. A. Brown, administratrix. Safety appliance for automobiles. No. 1,274,982; Aug. 6; v. 253; p. 182.
Brown, Leonard, deceased, Webb City, Mo.; M. A. Brown, administratrix. Combined tractor, binder, and plow-truck. No. 1,275,123; Aug. 6; v. 253; p. 220.
Brown-Lipe Gear Company. (See Brown, Alexander T., assignor.)
Brown-Lipe Gear Company *et al.* (See Wingqvist, Erik H., assignor.)
Brown, Louis L., New York, N. Y., assignor to The Foundation Company. Apparatus and method for building a continuous wall of caissons. No. 1,255,702; Feb. 5; v. 247; p. 170.
Brown, Louis M. (See Macleod and Brown.)
Brown, Louis M., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Insole-marking machine. No. 1,273,452; July 23; v. 252; p. 838.
Brown, Lyman R. (See McNeill and Brown.)
Brown, Marshall A., Eureka, Kans. Kafir-corn header. No. 1,272,371; July 16; v. 252; p. 515.
Brown, Marvin H., assignor to H. J. McGinnis, R. O'Connor, B. M. Vigoureux, San Francisco, and C. P. Eggleston, Oakland, Cal. Fuel heater and mixer. No. 1,269,252; June 11; v. 251; p. 352.
Brown, Mary A., administratrix. (See Brown, Leonard.)
Brown, Maurice T., and G. W. Southerland, Jacksonville, Fla. Condenser. No. 1,286,523; Dec. 3; v. 257; p. 84.
Brown, Meric M., Portland, Oreg. Can. No. 1,266,396; May 14; v. 250; p. 448.
Brown, Morris H., Yonkers, N. Y. Bending-machine. No. 1,252,371; Jan. 1; v. 246; p. 268.
Brown, Myer. (See Hitchcock, George E., assignor.)
Brown, Neil. (See Hay, William, assignor.)
Brown, Norman E., St. Joseph, Mich., assignor, by mesne assignments, to Wirebounds Patents Company, Kittery, Me. Machine for use in making metal-bound packages. No. 1,276,484; Aug. 20; v. 253; p. 655.
Brown, Oscar E., Buffalo, N. Y. Non-skid vehicle-tire. No. 1,258,863; Mar. 12; v. 248; p. 305.
Brown, Paul J. (See Minter, Maurice M., assignor.)
Brown, Perry, Coraopolis, Pa. Car. No. 1,275,376; Aug. 13; v. 253; p. 316.
Brown, Peter, assignor to Channell Chemical Company, Chicago, Ill. Mop. No. 1,267,508; May 28; v. 250; p. 815.
Brown, Peter F., Huntington, N. Y. Method of and apparatus for treating sewage. No. 1,289,378; Dec. 31; v. 257; p. 903.
Brown, Pettis F. (See Tausch, Joseph H., assignor.)
Brown, Ray R., Hamburg, Iowa. Valve-cap. No. 1,254,975; Jan. 29; v. 246; p. 1137.
Brown, Reed, Clinton, Ill. Bath-brush. No. 1,287,628; Dec. 17; v. 257; p. 421.
Brown, Reginald, Southall, England. Manufacture of artificial fuel from waste products. No. 1,256,494; Feb. 12; v. 247; p. 444.
Brown, Richard P. (See Cornman and Brown.)
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording instrument. No. 1,285,919; Nov. 26; v. 256; p. 742.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Method of and apparatus for determining transformation-points. No. 1,285,920; Nov. 26; v. 256; p. 742.
Brown, Robert A. (See Chaplin, Manley J., assignor.)
Brown, Robert M., London, England. Carbureting apparatus for internal-combustion engines. No. 1,270,486; June 25; v. 251; p. 746.
Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Chuck. No. 1,272,614; July 16; v. 252; p. 582.
Brown, Robson D. (See Miller and Brown.)
Brown Rotary Engine Co. (See Shoemaker, Frank A., assignor.)
Brown, Samuel, Grand Rapids, Ohio. Liquid-supply-regulating device for cream-separators. No. 1,269,254; June 11; v. 251; p. 353.
Brown, Samuel J., Hardinsburg, Ky. Mantle-burner. No. 1,285,571; Nov. 19; v. 256; p. 614.
Brown, Samuel M., Wilkinsburg, Pa. Jar and bottle holder. No. 1,284,579; Nov. 12; v. 256; p. 325.
Brown, Sanger. (See Christy, Henry A., assignor.)
Brown and Sharpe Manufacturing Company. (See Graves, Benjamin P., assignor.)
Brown, Spencer K., Syracuse, N. Y. Surface-finishing machine. No. 1,276,167; Aug. 20; v. 253; p. 567.
Brown, Stanley, Chicago, Ill. Dump-car mechanism. No. 1,280,152; Oct. 1; v. 255; p. 9.
Brown, Stanley, Chicago, Ill. Dump-car. No. 1,282,183; Oct. 22; v. 255; p. 663.
Brown, Theodore H., assignor of seven twenty-fourths to J. C. Donahue and seven twenty-fourths to D. Bliss, Minneapolis, Minn. Composition for making shingles. No. 1,263,847; Apr. 23; v. 249; p. 879.
Brown, Theophilus, Moline, assignor to The Marseilles Company, East Moline, Ill. Conveyer-chute. No. 1,256,515; Feb. 19; v. 247; p. 487.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Gearing for mowing-machines. No. 1,270,487; June 25; v. 251; p. 747.

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Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Mower. No. 1,270,488; June 25; v. 251; p. 747.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Mower. No. 1,270,489; June 25; v. 251; p. 748.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Mowing-machine. No. 1,270,490; June 25; v. 251; p. 748.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Mower. No. 1,270,491; June 25; v. 251; p. 748.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Disk colter. No. 1,284,871; Nov. 12; v. 256; p. 400.
Brown, Thomas D., New York, N. Y., assignor to Sonora Phonograph Corporation. Filing-cabinet. No. 1,270,260; June 25; v. 251; p. 683.
Brown, Thomas E., Pecos, Tex. Slide-display machine. No. 1,257,278; Feb. 19; v. 247; p. 710.
Brown, Thomas E., New York, N. Y. Drawbridge. No. 1,270,925; July 2; v. 252; p. 50.
Brown, Thomas E., Jr., Morristown, N. J. Bascule-bridge. No. 1,251,634; Jan. 1; v. 246; p. 57.
Brown, Thomas E., Jr., Morristown, N. J. Bascule-bridge. No. 1,254,772; Jan. 29; v. 246; p. 1078.
Brown, Thomas E., Jr., Morristown, N. J. Bascule-bridge. No. 1,254,773; Jan. 29; v. 246; p. 1078.
Brown, Thomas H. A., Heidelberg, Transvaal, South Africa. Locking lamp-socket. No. 1,259,482; Mar. 19; v. 248; p. 513.
Brown, Thomas J., Crawfordsville, Iowa. Overshoe-retainer. No. 1,253,140; Jan. 8; v. 246; p. 527.
Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train-pipe coupling. No. 1,263,519; Apr. 23; v. 249; p. 792.
Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric coupling device. No. 1,263,520; Apr. 23; v. 249; p. 792.
Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric coupling device. No. 1,263,521; Apr. 23; v. 249; p. 792.
Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Car-coupling. No. 1,263,522; Apr. 23; v. 249; p. 792.
Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Car and electric coupling control. No. 1,269,253; June 11; v. 251; p. 352.
Brown, W. Frank, High Point, N. C. Combined ash pan and sifter. No. 1,253,780; Jan. 15; v. 246; p. 743.
Brown, W. W., *et al.* (See Goodwin, Adolphus D., assignor.)
Brown, Wade H. (See Jacobs, Brown, Heidelberger, and Pearce.)
Brown, Walter, administrator. (See Brown, George R.)
Brown, Walter A., Easley, S. C. Loom. No. 1,262,918; Apr. 16; v. 249; p. 602.
Brown, Weston L., Lakewood, Ohio. Toilet-paper packet. No. 1,286,929; Dec. 10; v. 257; p. 216.
Brown, William. (See Moore, Pushcar, and Brown.)
Brown, William, San Francisco, Cal. Handle for air-brake valves. No. 1,257,799; Feb. 26; v. 247; p. 898.
Brown, William F., Denham Springs, La. Tire-tool. No. 1,255,981; Feb. 12; v. 247; p. 292.
Brown, William H., Cleveland, Ohio. Making lubricating spring-eyes. No. 1,253,464; Jan. 15; v. 246; p. 653.
Brown, William H., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Carriage-operating mechanism for recording-machines. No. 1,285,014; Nov. 19; v. 256; p. 475.
Brown, William J., assignor to Splitdorf Electrical Company, Newark, N. J. Attaching means for ignition breaker-boxes. No. 1,251,472; Jan. 1; v. 246; p. 6.
Brown, William M., Johnstown, Pa. Spacing device for perforating-machines. No. 1,289,636; Dec. 31; v. 257; p. 967.
Brown, William S., Knoxville, Tenn. Steam-engine valve-gear. No. 1,260,313; Mar. 26; v. 248; p. 784.
Brown, William W., Burlington, N. C. Demountable rim. No. 1,276,485; Aug. 20; v. 253; p. 655.
Brown, Zenas H., Cleveland, Ohio. Burner for natural gas. No. 1,253,781; Jan. 15; v. 246; p. 743.
Brownback, Henry L., Norristown, assignor, by mesne assignments, to Timothy O'Leary, Philadelphia, Pa. Governor for explosive-engines. No. 1,277,541; Sept. 3; v. 254; p. 57.
Browne, Arthur W. (See Johnston, Browne, and Wallace.)
Browne, Ernest G., Plymouth, England. Means for the attachment of bracelets to watches. No. 1,276,486; Aug. 20; v. 253; p. 656.
Browne, Harry P. C., New York, N. Y. Odometer-operating means. No. 1,265,042; May 7; v. 250; p. 48.
Browne, Philip C., Portland, Oreg. Window-shade support. No. 1,254,881; Jan. 29; v. 246; p. 1112.
Browne, Thomas J., Oldham, Nova Scotia, Canada. Sliding gate. No. 1,277,844; Sept. 3; v. 254; p. 142.
Browning, Clarence P., Brooklyn, N. Y. Photographic camera. No. 1,282,373; Oct. 22; v. 255; p. 715.
Browning, Clarence P., New York, N. Y. Photo-engraving. No. 1,285,015; Nov. 19; v. 256; p. 475.
Browning, John M., Ogden, Utah. Firearm. No. 1,276,716; Aug. 27; v. 253; p. 756.
Browning, Thomas J., Waynesboro, Miss. Package-tie. No. 1,263,523; Apr. 23; v. 249; p. 793.
Brownlee, Dalmar T., assignor of four-fifths to D. Spacke, Indianapolis, Ind. Starter. No. 1,263,642; Apr. 23; v. 249; p. 824.
Brownlee, Myron. (See Chastain, Carl, assignor.)
Brownlee, Roy H., and R. H. Uhlinger, Pittsburgh, Pa.; said Uhlinger assignor to said Brownlee. Apparatus for manufacture of hydrogen and carbon-black. No. 1,265,043; May 7; v. 250; p. 48.
Brownlee, Roy H., and R. H. Uhlinger, assignors to American Nitro-Products Company, Pittsburgh, Pa. Manufacture of hydrogen and carbon-black. No. 1,276,487; Aug. 20; v. 253; p. 656.
Brownlee, William K., assignor to The Buckeye Clay Pot Company, Toledo, Ohio. Drying-board for clay products. No. 1,262,010; Apr. 9; v. 249; p. 318.
Broyles, Adam, National Soldiers Home, Tenn. Watch-chain attachment. No. 1,258,313; Mar. 5; v. 248; p. 105.
Broyles, Henry F., Shenandoah Junction, W. Va., assignor of one-half to C. H. Light, Boyce, Va. Ironing-board. No. 1,278,797; Sept. 10; v. 254; p. 421.
Broz, Thomas, Calumet, Mich. Music-leaf turner. No. 1,288,822; Dec. 24; v. 257; p. 741.
Bruce, Arthur C., Kerrisdale, British Columbia, Canada. Tire-tread. No. 1,262,011; Apr. 9; v. 249; p. 318.
Bruce, George H., New York, N. Y. Substitute for leather and method for making same. No. 1,279,242; Sept. 17; v. 254; p. 570.
Bruce, George H., Brooklyn, N. Y. Substitute for shoe-soles and making same. No. 1,280,957; Oct. 8; v. 255; p. 258.
Bruce, John H., Whittington, Ill. Coal-car cover. No. 1,258,314; Mar. 5; v. 248; p. 106.
Bruce, Vivian R., and R. G. Dickens, assignors to Hilliard Clutch and Machinery Company, Elmira, N. Y. Clutch. No. 1,275,213; Aug. 13; v. 253; p. 271.
Bruce, Vivian R., and R. G. Dickens, assignors to Hilliard Clutch & Machinery Company, Elmira, N. Y. Clutch. No. 1,279,243; Sept. 17; v. 254; p. 570.
Bruce, William M., Jr., Springfield, Ohio. Wireless telegraphy. No. 1,251,473; Jan. 1; v. 246; p. 6.
Bruce, William M., Jr., Springfield, Ohio. Telegraphy. No. 1,264,889; May 7; v. 250; p. 5.
Bruce, William M., Jr., Springfield, Ohio. Telegraph apparatus. No. 1,289,637; Dec. 31; v. 257; p. 967.
Bruckman, Frederick A. (See Dieterich, Albert E., assignor.)
Bruckman, Frederick A., Portland, Oreg. Trimming and delivering mechanism for pastry-making machines. No. 1,271,844; July 9; v. 252; p. 337.
Bruckman, Frederick A., Portland, Oreg. Mold for ice-cream-cone machines. No. 1,274,506; Aug. 6; v. 253; p. 47.
Bruckman, Frederick A., Portland, Oreg., assignor of one-fifth to G. W. Weatherly. Cone-baking device. (Reissue.) No. 14,439; Mar. 5; v. 248; p. 204.
Bruckner, Richard R., and L. Bemelmans, New York, N. Y. Window-cleaning apparatus. No. 1,289,638; Dec. 31; v. 257; p. 967.
Brude, Thomas M., Winnetka, Ill. Information-indicator. No. 1,258,983; Mar. 12; v. 248; p. 339.
Bruder, Albert A., Detroit, Mich. Base-ball-game apparatus. No. 1,287,208; Dec. 10; v. 257; p. 288.
Brudick, Louis, Ralston, Pa. Envelop-opener. No. 1,267,372; May 28; v. 250; p. 779.
Brueck, Theodor. (See Klein and Brueck.)
Brueck, Theodor M. (See Klein and Brueck.)
Bruederly, Joseph F., Philadelphia, Pa. Shade and curtain-pole fixture. No. 1,265,044; May 7; v. 250; p. 48.
Brueggeman, Frank, assignor of one-half to W. I. Bell, Chicago, Ill. Lighting-fixture. No. 1,270,261; June 25; v. 251; p. 683.
Brugman, Monna R., Windsor, Ohio. Protector for the timers of automobile-engines. No. 1,279,244; Sept. 17; v. 254; p. 570.
Bruhn, Friedrich W. G., Berlin, Germany. Indicating apparatus for shafts. No. 1,251,859; Jan. 1; v. 246; p. 126.
Bruhn, Max C., and G. F. McGill, Chicago, Ill. Change-maker. No. 1,272,372; July 16; v. 252; p. 515.
Brukaker, Percy S. (See Blackmore, Bernard J. D., assignor.)
Brukler, Vincent. (See Shine, Peter N., assignor.)
Brumback, Orville S., trustee. (See Washington, George, assignor.)
Brumberg, Eli. (See Davis and Brumberg.)
Brumfield, Thomas R., Danville, Va. Wire-dipping machine. No. 1,289,379; Dec. 31; v. 257; p. 903.
Brumfield, Thomas R., Danville, Va. Wire-clamp. No. 1,289,380; Dec. 31; v. 257; p. 903.
Brumfield, Thomas R., Danville, Va. Wire twisting and joining implement. No. 1,289,381; Dec. 31; v. 257; p. 903.
Brumford, James L. (See L'Homadieu and Brumford.)
Brundage, Don L., and G. Scherz, Gladstone, Minn. Auto-vehicle-locking means. No. 1,261,210; Apr. 2; v. 249; p. 61.

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Brundage, Seth W., and H. L. Miller, assignors to C. W. Parker, Leavenworth, Kans. Carousel. No. 1,263,370; Apr. 23; v. 249; p. 748.
Brundidge, Ottelia L., Bloomer, Wis. Vegetable cutter and slicer. No. 1,281,502; Oct. 15; v. 255; p. 440.
Bruner, Earl M., Denver, Colo. Steel-puller for rock-drills. No. 1,287,209; Dec. 10; v. 257; p. 288.
Brune, Louis J., Algiers, La. Window-sash holder and latch. No. 1,257,457; Feb. 26; v. 247; p. 796.
Brunell, Frank J., Chicago, Ill. Counterweight. No. 1,281,503; Oct. 15; v. 255; p. 440.
Brunelle, Philip, assignor of one-half to H. E. Haney, Belfield, N. D. Detachable plow-point. No. 1,281,283; Oct. 15; v. 255; p. 379.
Bruner, Abrom D., Fairmont, Minn. Plow. No. 1,283,650; Nov. 5; v. 256; p. 56.
Bruner, Meylert, Newton, and W. V. Neal, Boston, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-turning machine. No. 1,253,345; Jan. 15; v. 246; p. 617.
Bruninga, John H. (See Retzbach, Edward J., assignor.)
Bruninga, John H. (See Vaughn and Bruninga.)
Bruninga, John H., assignor to Hesse Envelope & Litho Company, St. Louis, Mo. Envelop-making machine. No. 1,259,354; Mar. 12; v. 248; p. 444.
Brunk, Oscar E. W., assignor to J. J Marx, St. Louis, Mo. Pad-support for pressing-machines. No. 1,276,717; Aug. 27; v. 253; p. 757.
Brunker, George N., Pocatello, Idaho. Dirigible head-light. No. 1,268,675; June 4; v. 251; p. 172.
Brunker, William A., Salt Lake City, Utah. Classifier. No. 1,265,734; May 14; v. 250; p. 265.
Brukler, Vincent, *et al.* (See Mrakitsch, Anton, assignor.)
Brumby, Bolan G., *et al.* (See Steingruber, George, assignor.)
Bruning, George, Bruning, Nebr. Adjustable post-auger handle. No. 1,278,100; Sept. 10; v. 254; p. 235.
Brunner, Albert, Männedorf, Switzerland. Balance for determining the titer of silk. No. 1,271,660; July 9; v. 252; p. 288.
Brunner, Albert H. (See Moore and Brunner.)
Brunner, John, Evanston, Ill. Treating steel shapes. No. 1,277,372; Sept. 3; v. 254; p. 10.
Brunnworth, Albert C., and C. M. Sackett, Anaheim, Cal. Traffic-guide signal. No. 1,267,967; May 28; v. 250; p. 945.
Bruno, Charles O., Rockford, Ill. Device for assembling brood-frames. No. 1,274,240; July 30; v. 252; p. 1093.
Brunson, Randolph, East Orange, N. J. Aircraft construction. No. 1,272,373; July 16; v. 252; p. 515.
Brunson, William H., Pueblo, Colo. Rigid coupling. No. 1,281,284; Oct. 15; v. 255; p. 380.
Brunst, William M., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Fire-shutter. No. 1,272,347; July 9; v. 252; p. 481.
Brunsvold, Bendick E., Hatton, N. D. Spout attachment. No. 1,267,509; May 28; v. 250; p. 816.
Brunswick-Balke-Collender Company, The. (See Bersted, Martin, assignor.)
Brunswick-Balke-Collender Company, The. (See Nystrom, Martin, assignor.)
Brunswick-Balke-Collender Company, The. (See Schwarzkopf, Arthur R., assignor.)
Brunswick-Balke-Collender Company, The. (See Treiber, Theodore R., assignor.)
Brunswick-Balke-Collender Co. (See Whelan, Michael J., assignor.)
Brurock, Nelson, J., Montevideo, Minn. Toy riding-horse. No. 1,289,382; Dec. 31; v. 257; p. 904.
Brusch, Friedrich W., and W. F. J. Beyer, Dortmund, assignors to Deutsch-Luxemburgische Bergwerks- und Hütten-Aktiengesellschaft, Bochum, Germany. Apparatus for the autogenous working of metals under water. No. 1,278,429; Sept. 10; v. 254; p. 322.
Brush, Addison P., Quinby, Va., assignor of one-half to H. A. Penrose, Philadelphia, Pa. Potato-planter. No. 1,256,292; Feb. 12; v. 247; p. 385.
Brush, Alanson P. (See Nacker, Owen M., assignor.)
Brush, Alanson P., Detroit, Mich. Internal-combustion engine. No. 1,265,735; May 14; v. 250; p. 266.
Brush, Alanson P., Detroit Mich. Friction-clutch. No. 1,271,424; July 2; v. 252; p. 187.
Brush, Alanson P., Detroit, Mich. Automobile steering mechanism. No. 1,275,839; Aug. 13; v. 253; p. 443.
Brush, Alanson P., Detroit, Mich. Differential driving mechanism. No. 1,285,017; Nov. 19; v. 256; p. 476.
Brusius, Herbert, Whittier, Cal. Adjustable chair-back. No. 1,264,265; Apr. 30; v. 249; p. 1028.
Brust, Tofel T., Putnam, Okla. Rail joint and brace. No. 1,252,231; Jan. 1; v. 246; p. 228.
Bruun, Louis W. (See Alexander and Bruun.)
Bryan, Alto Z. (See Woods and Bryan.)
Bryan, Cecil E., Chicago, Ill. Coffin-elevator for mausoleums. No. 1,273,143; July 23; v. 252; p. 756.
Bryan, Daniel R., Chatham, N. J. Magnetic separator for sorting heterogeneous material. No. 1,284,872; Nov. 12; v. 256; p. 400.
Bryan, Edgar J., Riverside, Cal. Coil-forming machine. No. 1,253,782; Jan. 15; v. 246; p. 743.
Bryan, Enoch W., Valdosta, Ga. Wheel-rim for pneumatic tires. No. 1,286,524; Dec. 3; v. 257; p. 84.
Bryan, George A., Albuquerque, N. Mex. Water-level indicator for steam-boilers. No. 1,288,377; Dec. 17; v. 257; p. 605.
Bryan, Harry. (See Waggaman, Wagner, and Bryan.)
Bryan, Rembert L., Zephyrhills, Fla. Implement for tightening wire fences. No. 1,268,922; June 11; v. 251; p. 260.
Bryan, Sarah F., Claxton, Ga. Music-leaf turner. No. 1,255,703; Feb. 5; v. 247; p. 170.
Bryan, William D., assignor of one-half to G. M. Godfrey, North Carrollton, Miss. Valved piston. No. 1,254,024; Jan. 22; v. 246; p. 832.
Bryant, Augustus H., Glen Ridge, N. J. Safety-razor. No. 1,252,996; Jan. 8; v. 246; p. 485.
Bryant, Bertain Y., Haviland, Kans. Header attachment for tractors. No. 1,271,845; July 9; v. 252; p. 338.
Bryant, Charles A., Clanton, Ala. Compound for destroying boll-weevils. No. 1,253,932; Jan. 15; v. 246; p. 784.
Bryant, Clarance R., assignor to D. B. Byrns, Chicago, Ill. Piston packing-ring. No. 1,262,631; Apr. 16; v. 249; p. 520.
Bryant, Clarance R., assignor to D. B. Byrns, Chicago, Ill. Piston-ring. No. 1,262,632; Apr. 16; v. 249; p. 521.
Bryant, Clarance R., Fort Worth, Tex., assignor to B. Byrns, Chicago, Ill. Piston-ring. No. 1,264,771; Apr. 30; v. 249; p. 1167.
Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
Bryant Electric Company, The. (See Bates, Clarence A., assignor.)
Bryant Electric Company, The. (See Burton, Frank V., assignor.)
Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)
Bryant Electric Company, The. (See Hallstrom, Oscar E., asignor.)
Bryant Electric Company, The. (See Richetelle, Carl P., assignor.)
Bryant Electric Company, The. (See Thomas, George B., assignor.) (Reissue.)
Bryant Electric Company, The. (See Tizley, Arthur J., assignor.)
Bryant, Ellsworth S., and G. R. Couls, Detroit, Mich. Spring suspension. No. 1,273,999; July 30; v. 252; p. 1025.
Bryant, Elmer J., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. External limit-gage. No. 1,279,645; Sept. 24; v. 254; p. 706.
Bryant, Frank, Stoneham, Mass. Poultry-feeding device. No. 1,287,867; Dec. 17; v. 257; p. 482.
Bryant, Frank H., Los Angeles, Cal. Food product. No. 1,258,530; Mar. 5; v. 248; p. 170.
Bryant, Frank H., Los Angeles, Cal. Preserving beets. No. 1,273,732; July 23; v. 252; p. 912.
Bryant, Horace C., assignor to W. V. Keith, Clinton, N. Y. Electric-light support. No. 1,285,018; Nov. 19; v. 256; p. 476.
Bryant, John O. (See Morris and Bryant.)
Bryant, Peter, Cleveland, Ohio. Sash-cord holder. No. 1,266,397; May 14; v. 250; p. 449.
Bryant, Richard S., deceased; O. H. Jobski, administrator, assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Machine for trimming transsplit rims. No. 1,260,314; Mar. 26; v. 248; p. 785.
Bryant, Richard S., deceased; O. H. Jobski, administrator, assignor to The Standard Parts Company, Cleveland, Ohio. Manufacture of rims. No. 1,260,315; Mar. 26; v. 248; p. 785.
Bryant, Richard S., Akron, assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,268,210; June 4; v. 251; p. 40.
Bryant, Richard S., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,268,211; June 4; v. 251; p. 40.
Bryant, Richard S., deceased, O. H. Jobski, Cleveland, and J. H. Griswold, East Cleveland, administrators, assignors to The Standard Welding Company, Cleveland, Ohio. Machine for sizing transplit rims. No. 1,268,789; June 4; v. 251; p. 204.
Bryant, Richard S., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,278,430; Sept. 10; v. 254; p. 322.
Bryant, Richard S., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,288,823; Dec. 24; v. 257; p. 742.
Bryant, Stanley C., Chicago, Ill. Lightning-arrester. No. 1,260,750; Mar. 26; v. 248; p. 913.
Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Centrifugal drying-machine. No. 1,273,817; July 30; v. 252; p. 973.
Bryant, William H., Oakland City, Ind. Sectional wagon-bed. No. 1,255,290; Feb. 5; v. 247; p. 50.
Bryant, William L., and E. C. Luning, Trinidad, Colo. Shaving-brush. No. 1,259,207; Mar. 12; v. 248; p. 403.
Bryant Zinc Company. (See Klink, Alexander F., assignor.)

Bryce, Chalmers K., Cranford, N. J., assignor to Oxweld Acetylene Company, Chicago, Ill. Bar-cutting apparatus. No. 1,260,316; Mar. 26; v. 248; p. 785.
Bryce, Gertrude L., Seattle, Wash. Strap-fastener. No. 1,287,210; Dec. 10; v. 257; p. 289.
Bryce, James W. (See Goss and Bryce.)
Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Clock-controlled electric circuit. No. 1,260,317; Mar. 26; v. 248; p. 786.
Bryce, James W., Brooklyn, assignor to International Time Recording Company of New York, Endicott, N. Y. Calculating-machine. No. 1,267,510; May 28; v. 250; p. 816.
Bryce, James W., Bloomfield, N. J., assignor to The Aeolian Company. Expression-device control. No. 1,278,845; Sept. 17; v. 254; p. 464.
Bryce, James W., Bloomfield, N. J., assignor to The Aeolian Company. Remote control for phonographs and the like. No. 1,279,245; Sept. 17; v. 254; p. 570.
Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Weighing-scale. No. 1,279,646; Sept. 24; v. 254; p. 706.
Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Time circuit-controller. No. 1,279,647; Sept. 24; v. 254; p. 706.
Brydges, Samuel M., Vancouver, British Columbia, Canada. Check-protector. No. 1,255,704; Feb. 5; v. 247; p. 170.
Brynoldt, Christian, Pittsburgh, Pa., assignor to Blaw Steel Construction Company. Tunnel-mold form. No. 1,277,186; Aug. 27; v. 253; p. 881.
Bryson, John M., and J. O. Dickinson, Oskaloosa, Iowa. Road-drag. No. 1,282,536; Oct. 22; v. 255; p. 759.
Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Centrifugal process. No. 1,280,153; Oct. 1; v. 255; p. 9.
Brzostowski, Ignacy, and V. Krakowski, Bayonne, N. J. Cane-pistol. No. 1,284,580; Nov. 12; v. 256; p. 325.
Brzyski, Karol, Philadelphia, Pa. Ship's armor. No. 1,289,639; Dec. 31; v. 257; p. 967.
Bubb, Charley, Woodward, Okla. Wrench. No. 1,287,211; Dec. 10; v. 257; p. 289.
Bubb, Elmer F., Chicago, Ill. Lifter for fruit, vegetables, &c. No. 1,267,336; May 21; v. 250; p. 740.
Bubb, William L., assignor of one-half to O. W. Epperson, Los Angeles, Cal. Air-inlet valve for carbureters. No. 1,285,609; Nov. 26; v. 256; p. 663.
Bubb, William L., and O. W. Epperson, Los Angeles, Cal. Throttle-controlled needle-valve of carbureters. No. 1,289,105; Dec. 31; v. 257; p. 835.
Bubenheim, Henry J., Pittsburgh, Pa. Railway-tie and rail-fastener. No. 1,275,656; Aug. 13; v. 253; p. 393.
Buch, Max A., Birmingham, England, assignor to H. E. Edwards, Jackson, Mich. Vehicle-top. No. 1,260,960; Mar. 26; v. 248; p. 969.
Buch, Max, Detroit, Mich. Top for vehicles and the like. No. 1,275,214; Aug. 13; v. 253; p. 271.
Buch, Max, Detroit, assignor to Edwards Corporation of Jackson, Jackson, Mich. Vehicle-body door-hinge. No. 1,279,246; Sept. 17; v. 254; p. 571.
Buch, Max, Detroit, assignor to H. E. Edwards, Jackson, Mich. Top for vehicles and the like. No. 1,285,921; Nov. 26; v. 256; p. 742.
Buch, Max, Detroit, assignor to H. E. Edwards, Jackson, Mich. Folding top. No. 1,285,922; Nov. 26; v. 256; p. 743.
Buch, Max, Detroit, assignor to H. E. Edwards, Jackson, Mich. Top for vehicles and the like. No. 1,287,212; Dec. 10; v. 257; p. 289.
Buch, Max, Detroit, assignor to H. E. Edwards, Jackson, Mich. Folding top for vehicles. No. 1,287,629; Dec. 17; v. 257; p. 421.
Buchan, Hugh G., Woodbridge, N. J. Binder and securing-joint therefor, and for other purposes. No. 1,280,154; Oct. 1; v. 255; p. 10.
Buchanan, Frank, Syracuse, N. Y. Electrode for electric-arc lamps. No. 1,253,572; Jan. 15; v. 246; p. 683.
Buchanan, Frank, Syracuse, N. Y. Electrode for luminous-arc electric lamps and making the same. No. 1,258,984; Mar. 12; v. 248; p. 340.
Buchanan, Frank E., assignor to National Lock Company, Rockford, Ill. Reversible cabinet-latch. No. 1,254,882; Jan. 29; v. 246; p. 1112.
Buchanan, George P., Pittsburgh, Pa. Bulb remover and replacer. No. 1,260,961; Mar. 26; v. 248; p. 969.
Buchanan, George T., Winnsboro, S. C. Locating-tool. No. 1,289,640; Dec. 31; v. 257; p. 967.
Buchanan, Hugh. (See Moir and Buchanan.)
Buchanan, James G., Chickasha, Okla. Threshing-machine. No. 1,260,140; Mar. 19; v. 248; p. 700.
Buchanan, James H., Los Angeles, Cal. Internal-combustion heating system. No. 1,264,005; Apr. 23; v. 249; p. 924.
Buchanan, John, Stoke-Coventry, England. Piston for use in internal-combustion engines. No. 1,270,374; June 25; v. 251; p. 714.
Buchanan, Leonard B., Woburn, Mass. Electric fuse. No. 1,281,285; Oct. 15; v. 255; p. 380.
Buchanan, Samuel T., and H. T. Porter, assignors to A. K. S. Manufacturing Company, Aberdeen, S. D. Antislip device for wheels. No. 1,283,396; Oct. 29; v. 255; p. 1021.
Buchanan, Sutton R., New Bremen, Ohio. Lightning-arrester. No. 1,283,651; Nov. 5; v. 256; p. 56.
Buchanan, William A., Asheville, N. C. Combined heel-plate and shank-brace. No. 1,277,289; Aug. 27; v. 253; p. 906.
Buchanan, William A., Asheville, N. C. Thill-coupling. No. 1,283,652; Nov. 5; v. 256; p. 57.
Buchanan, William A., Asheville, N. C. Thill-coupling. No. 1,287,213; Dec. 10; v. 257; p. 289.
Bucher, Bertram H., East Liverpool, Ohio. Key-seating mashine. No. 1,287,868; Dec. 17; v. 257; p. 482.
Bucher, Casper T., Tiffin, Ohio. Filter. No. 1,260,751; Mar. 26; v. 248; p. 914.
Bucher, Johann J., Zurich, Switzerland. Driving-chain. No. 1,258,183; Mar. 5; v. 248; p. 68.
Bucher, Reinhard, Lakewood, N. J. Postal egg-container. No. 1,281,504; Oct. 15; v. 255; p. 440.
Buchheit, John, Brooklyn, N. Y. Work-table. No. 1,278,584; Sept. 10; v. 254; p. 364.
Buchholz, Anna, executrix. (See Buchholz, Charles H., assignor.)
Buchholz, Charles H., deceased; A. Buchholz, executrix, Cleveland, Ohio. Filling-machine. No. 1,268,923; June 11; v. 251; p. 260.
Buchholz, Clarence A., Columbus, Wis. Propelling mechanism. No. 1,276,168; Aug. 20; v. 253; p. 567.
Buchholz, John, *et al.* (See Lohse, Wilhelm R., assignor.)
Büchi, Alfred, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Starting mechanism for combustion-engines. No. 1,254,774; Jan. 29; v. 246; p. 1078.
Büchi, Alfred, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Air starting-gear for combustion-engines. No. 1,258,864; Mar. 12; v. 248; p. 305.
Buchmann, Edward G., Milwaukee, Wis. Carbureter. No. 1,276,169; Aug. 20; v. 253; p. 567.
Buchmier, John F., Monee, Ill. Harrow. No. 1,260,318; Mar. 26; v. 248; p. 786.
Buchner, Warren J., and R. F. North, Glendive, Mont. Compressed-air jack. No. 1,268,816; June 11; v. 251; p. 231.
Buchner, William F. A., Newark, N. J., assignor to L. Weiscopf, New York, N. Y. Rowboat-motor. No. 1,278,585; Sept. 10; v. 254; p. 364.
Buchorn, Ben A., Dime Box, Tex. Comb-cleaning device. No. 1,264,486; Apr. 30; v. 249; p. 1090.
Buchsbaum, Samuel, Chicago, Ill. Pull-socket. No. 1,253,141; Jan. 8; v. 246; p. 528.
Buchsbaum, Samuel, Chicago, Ill. Belt-buckle. No. 1,272,206; July 9; v. 252; p. 441.
Buchtala, Hans, Gratz, Austria, assignor to B. Es Tarsa, Budapest, Hungary. Producing mercury preparations for therapeutic purposes. No. 1,271,846; July 9; v. 252; p. 338.
Buchtel, Luise A., New York, N. Y. Paper-doll-display board. No. 1,252,772; Jan. 8; v. 246; p. 419.
Buck, Francis M. (See Lea, Frank D., assignor.)
Buck, Fred, assignor to The Lufkin Rule Company, Saginaw, Mich. Joint for folding rules. No. 1,286,525; Dec. 3; v. 257; p. 85.
Buck, George B., New York, N. Y., assignor to The Tabulating Machine Company, Washington, D. C. Verifying-punch. No. 1,266,768; May 21; v. 250; p. 584.
Buck, George D., St. Louis, Mo. Combined pump and fire-extinguisher. No. 1,256,870; Feb. 19; v. 247; p. 591.
Buck, Howard T., Brooklyn, N. Y. Base-ball-game apparatus. No. 1,283,653; Nov. 5; v. 256; p. 57.
Buck, Monroe, Glens Falls, N. Y. Vehicle-supporting jack. No. 1,267,741; May 28; v. 250; p 880.
Buck, Ollie H., Kokomo, Ind. Woven-wire conveyer. No. 1,262,745; Apr. 16; v. 249; p. 553.
Buck, Stephen E. (See Harrington and Buck.)
Buck, Turney E., Springfield, Ill. Draft-controller. No. 1,252,773; Jan. 8; v. 246; p. 419.
Buckeye Clay Pot Company, The. (See Brownlee, William K., assignor.)
Buckeye Incubator Co., The. (See Smith, Samuel B., assignor.)
Buckeye Iron and Brass Works. (See Fulson, Charles H., assignor.)
Buckeye Iron and Brass Works. (See Trace, Russell A., assignor.)
Buckeye Steel Casting Company, The. (See Hansen and Houser, assignors.)
Buckeye Steel Castings Company, The. (See Larsen and Johnson, assignors.)
Buckham, George T. (See Dawson and Buckham.)
Buckham, George T., Westminster, London, assignor to Vickers Limited, Westminster, England. Automatic gun. No. 1,262,169; Apr. 9; v. 249; p. 363.
Buckham, George, T., Westminster, London, and F. Smith, Wolverhampton, assignors to Vickers Limited, Westminster, England. Machine-gun carriage. No. 1,289,641; Dec. 31; v. 257; p. 968.

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Buckham, George T., Westminster, London, and F. Smith, Wolverhampton, assignors to Vickers Limited, Westminster, England. Carriage for breech-loading guns. No. 1,289,642; Dec. 31; v. 257; p. 968.
Buckingham, James F., Coventry, England. Incendiary bullet and shell. No. 1,251,960; Jan. 1; v. 246; p. 153.
Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Journal-box. No. 1,280,385; Oct. 1; v. 255; p. 75.
Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Clevis. No. 1,287,869; Dec. 17; v. 257; p. 482.
Buckland, Alfred L., Mariette, Minn. Sugar-dispenser. No. 1,270,262; June 25; v. 251; p. 683.
Buckland, Joseph W., Montreal, Quebec, Canada. Flexible means for guiding locomotives. No. 1,263,524; Apr. 23; v. 249; p. 793.
Buckland, Joseph W., and R. McVicar, Montreal, Quebec, Canada. Drifting-valve for locomotives. No. 1,284,951; Nov. 12; v. 256; p. 420.
Buckland, Joseph W., and R. McVicar, Montreal, Quebec, Canada. Drifting-valve. No. 1,284,952; Nov. 12; v. 256; p. 420.
Buckles, William K., Rifle, Colo. Self-filling fountain-pen. No. 1,255,129; Feb. 5; v. 247; p. 5.
Bucklew, Howard F., Kingwood, W. Va. Automobile-light controller. No. 1,275,525; Aug. 13; v. 253; p. 356.
Buckley, J. M., *et al.* (See Biggers, Lee P., assignor.)
Buckley, John H., Yonkers, N. Y. Shock-absorber. No. 1,282,374; Oct. 22; v. 255; p. 716.
Buckley, Oliver E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Preparing vacuum-tubes. No. 1,272,374; July 16; v. 252; p. 516.
Buckley, Thomas F., and S. S. Riegel, Scranton, Pa. Spring-forming machine. No. 1,275,377; Aug. 13; v 253;; p. 316.
Buckley, William, Chicago, Ill. Apparatus for pressing activated sludge. No. 1,271,425; July 2; v. 252; p. 187.
Buckman, Fred H. (See Good and Buckman.)
Buckman, Ignatus, assignor to L. V. Howard, New York, N. Y. Horn. No. 1,272,615; July 16; v. 252; p. 582.
Buckminster, Frank S., Waterbury, Conn. Watchmaker's magnifying-glass. No. 1,272,911; July 16; v. 252; p. 668.
Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Pressure-regulator. No. 1,264,006; Apr. 23; v. 249; p. 924.
Bucknam, Worthy C., Marion, and H. Cave, Elizabeth, N. J., assignors to Davis-Bournonville Company, New York, N. Y. Cutting-torch. No. 1,254,637; Jan. 22; v. 246; p. 1007.
Buckner, Levi G., assignor of one-half to S. J. Sibley, Memphis, Tenn. Vacuum oil-retainer. No. 1,286,930; Dec. 10; v. 257; p. 216.
Buckwalter, Tracy V., Altoona, Pa. Radiator. No. 1,256,977; Feb. 19; v. 247; p. 622.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing. No. 1,264,890; May 7; v. 250; p. 5.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Double-pocket cage for roller-bearings. No. 1,282,184; Oct. 22; v. 255; p. 664.
Bucyrus Company. (See Dutcher, Pierpont E., assignor.)
Bucyrus Company. (See Ferris, Walter, assignor.)
Bucyrus Company. (See Ferris, Bager, and Fykse, assignors.)
Bucyrus Company. (See Ferris, Nordstrom, and Lehman, assignors.)
Bucyrus Company. (See Schmithals, Frederick W., assignor.)
Buczkowski, Wladyslaw, Buffalo, N. Y. Combined level and plumb. No. 1,256,435; Feb. 12; v. 247; p. 428.
Buda Company, The. (See Miller and Fisher, assignors.)
Budd, Edward G., assignor to The Edward G. Budd Manufacturing Company, Philadelphia, Pa. Metallic door for automobiles. No. 1,264,266; Apr. 30; v. 249; p. 1028.
Budd, Edward G., assignor to Budd Wheel Corporation, Philadelphia, Pa. Adjusting wire spokes of wire-spoked wheels. No. 1,279,247; Sept. 17; v. 254; p. 571.
Budd, Harry, Independence, Kans. Motor-supporting platform. No. 1,278,846; Sept. 17; v. 254; p. 464.
Budd Wheel Corporation. (See Budd, Edward G., assignor.)
Budd Wheel Corporation. (See Ledwinka, Joseph, assignor.)
Budd, William E., Elizabeth, N. J. Tire structure. No. 1,283,654; Nov. 5; v. 256; p. 57.
Budde, Lawrence, Chickasaw, Ohio. Hay-bed. No. 1,275,840; Aug. 13; v. 253; p. 444.
Budde, Paul, Bethalto, Ill. Level. No. 1,273,027; July 16; v. 252; p. 699.
Buddie, George T., Chicago, Ill. Combination table-lock and opener. No. 1,262,919; Apr. 16; v. 249; p. 602.
Budin, David B., Brooklyn, assignor of one-half to S. Baumohl, New York, N. Y. Railed barrier. No. 1,280,614; Oct. 1; v. 255; p. 138.
Bueche, Joseph, Gray, Saskatchewan, Canada. Tractor attachment for farm implements. No. 1,271,661; July 9; v. 252; p. 288.
Buehler, Brownell, Philadelphia, Pa. Beating-engine. No. 1,271,426; July 2; v. 252; p. 187.
Buehner, William F. A., Newark, N. J., assignor to L. Weiskopf, New York, N. Y. Muffler. No. 1,280,386; Oct. 1; v. 255; p. 76.
Buel, Albert W., New York, assignor of one-half to M. A. Smith, Brooklyn, N. Y. Collapsible form for molding concrete vessels. No. 1,277,845; Sept. 3; v. 254; p. 142.
Buell, Benjamin J., Reading, Pa. Car-replacer clamp. No. 1,281,505; Oct. 15; v. 255; p. 440.
Buell, Benjamin J., Reading, Pa. Derailing device. No. 1,287,214; Dec. 10; v. 257; p. 289.
Buell, Roy D., Chicago, Ill. Explosion-whistle alarm. No. 1,252,232; Jan. 1; v. 246; p. 228.
Buell, William C., Jr., Sewickley, assignor to Tate, Jones & Company, Inc., Pittsburg, Pa. Gas and air mixer for gas-burners. No. 1,289,383; Dec. 31; v. 257; p. 904.
Buenzli, Adolph, Park, Tenn. Mop. No. 1,282,746; Oct. 29; v. 255; p. 844.
Buerger, Vincent. (See Harvey, Edward A., assignor.)
Buetefisch, Charles, and H. G. Coster, Ellicott City, Md. Foldable truck. No. 1,285,923; Nov. 26; v. 256; p. 743.
Buettner, Charles H., Cincinnati, Ohio. Machine-belt buckle. No. 1,258,088; Mar. 5; v. 248; p. 41.
Buff, Frank L., Wichita, Kans. Traffic-signaling device. No. 1,279,648; Sept. 24; v. 254; p. 707.
Buffalo Air-Brake Company. (See Webster, Willis C., assignor.)
Buffalo Bolt Company. (See Blake, William R., assignor.)
Buffalo Bolt Company. (See Blasier, George F. assignor.)
Buffalo Bolt Company. (See Peirce, William B., assignor.)
Buffalo Co-operative Store Co. (See Kener, Edward, Jr., assignor.)
Buffalo Foundry & Machine Company. (See Bell, David, assignor.)
Buffalo Metal Goods Company. (See Emerson, William F., assignor.)
Buffalo Metal Goods Company. (See Wine, Noah L., assignor.)
Buffalo Pressed Steel Company. (See MacKenzie and Haas, assignors.)
Buffalo Scale Company. (See Devitt, George C., assignor.)
Buffalo Steam Roller Company. (See Richardson, Jeffers F., assignor.)
Buffalo Truck & Tractor Corporation, The. (See Oversmith, Elmer H., assignor.)
Buffington Wheel Compapny. (See Griswold, Philip D., assignor.)
Buffum, Frank W. (See Culling, Merritt A., assignor.)
Buffum, Frank W. (See Finley, Ernest D., assignor.)
Buffum, Herbert H., Laconia, N. H. Sprinkler-head. No. 1,273,818; July 30; v. 252; p. 974.
Buffum, Herbert H., Laconia, N. H. Link for sprinkler-heads. No. 1,278,586; Sept. 10; v. 254; p. 365.
Buffum, Herbert H., assignor to Estey Watch Tool Company, Laconia, N. H. Sprinkler-head. No. 1,255,111; Jan. 29; v. 247; p. 1173.
Bugatti, Ettore, Paris, France. Engine-valve. No. 1,254,976; Jan. 29; v. 246; p. 1137.
Bugbee, Alvin, Trenton, N. J. Meter-box. No. 1,277,373; Sept. 3; v. 254; p. 10.
Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Magnifier. No. 1,264,267; Apr. 30; v. 249; p. 1029.
Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,266,207; May 14; v. 250; p. 399.
Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Edging-machine. No. 1,269,680; June 18; v. 251; p. 500.
Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Cutter. (Reissue.) No. 14,486; June 18; v. 251; p. 255.
Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Frame. No. 1,278,431; Sept. 10; v. 254; p. 322.
Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Grinding-machine. No. 1,282,037; Oct. 22; v. 255; p. 622.
Bugbee, Lucian W., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Pupillometer. No. 1,266,208; May 14; v. 250; p. 400.
Bugbee, Lucian W., and G. H. Day, assignors to American Optical Company, Southbridge, Mass. Lens centering and marking machine. No. 1,281,506; Oct. 15; v. 255; p. 441.
Bugbee and Niles Co. (See King, Rufus, assignor.)
Bugenhagen, George H., Minot, N. D. Transmission mechanism. No. 1,273,326; July 23; v. 252; p. 803.
Bugg, Owen T., Rutherford, N. J. Mattress. No. 1,270,780; July 2; v. 252; p. 7.
Buggs, J. W., administrator. (See Robinson, Arthur.)
Buhl, Carl H., Cleveland, Ohio. Railway signaling system. No. 1,253,208; Jan. 15; v. 246; p. 576.

Buhl, William, Carnegie, Pa. Metallurgical furnace. No. 1,254,308; Jan. 22; v. 246; p. 913.
Buhles, William C., Alameda, Cal. Curing olives. No. 1,264,487; Apr. 30; v. 249; p. 1091.
Buhles, William C., San Francisco, Cal., assignor to Bremer & Bruckmann, Braunschweig, Germany. Canning fruit. No. 1,271,847; July 9; v. 252; p. 338.
Buhoup, Harry C., Chicago, Ill., assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft-rigging. No. 1,279,649; Sept. 24; v. 254; p. 707.
Buhr, Joseph, Norwood, Ohio. Condenser. No. 1,280,656; Oct. 8; v. 255; p. 176.
Buhr, Joseph F., Detroit, Mich. Wind-shield. No. 1,255,705; Feb. 5; v. 247; p. 171.
Buhrmeister, August L., Suisun, Cal. Tire removing and replacing tool. No. 1,260,634; Mar. 26; v. 248; p. 880.
Buisson, Cyprian, St. Paul, Minn. Cultivator. No. 1,286,931; Dec. 10; v. 257; p. 217.
Bujack, Herman C., Gary, Ind. Screen-frame. No. 1,257,183; Feb. 19; v. 247; p. 681.
Bujold, Joseph B., Granite Falls, Wash. Saw-sharpening device. No. 1,272,616; July 16; v. 252; p. 583.
Buker, Earl L., Butte, Mont. Telephone signal-relay. No. 1,278,847; Sept. 17; v. 254; p. 465.
Bukolt, John J., Stevens Point, Wis. Tire-armor. No. 1,277,374; Sept. 3; v. 254; p. 11.
Bulatovich, Peter M., Sesser, Ill. War-machine. No. 1,273,028; July 16; v. 252; p. 699.
Bull, Alexander, Brooklyn, N. Y. Alarm device. No. 1,262,012; Apr. 9; v. 249; p. 318.
Bull, Archer A., Spring Creek, Pa. Rail-joint. No. 1,252,392; Jan. 8; v. 246; p. 308.
Bull, Arthur A., Detroit, Mich. Water-circulation system for internal-combustion engines. No. 1,274,507; Aug. 6; v. 253; p. 47.
Bull, Charles A., Albion, Nebr. Pin-tray. No. 1,258,531; Mar. 5; v. 248; p. 170.
Bull, Charles A., Albion, Nebr. Pin-holder. No. 1,272,768; July 16; v. 252; p. 626.
Bull, George F., and E. W. Starkey; said Starkey assignor to C. H. Pugh Limited, Small Heath, Birmingham, England. Wire-cutter. No. 1,266,398; May 14; v. 250; p. 449.
Bull, Lionel, Libertyville, assignor of one-half to G. R. Linn, Chicago, Ill. Vacuum-pump. No. 1,269,376; June 11; v. 251; p. 386.
Bull Tractor Company. (See White, Charles E., assignor.)
Bulla, Melbern B., El Paso, Tex. Automatic train-stop. No. 1,267,179; May 21; v. 250; p. 700.
Bulla, Melbern B., El Paso, Tex. Automatic train-signal. No. 1,285,556; Nov. 19; v. 256; p. 610.
Bullard, Edward P., Jr., and W. N. Stevens, assignors to The Bullard Machine Tool Company, Bridgeport, Conn. Automatic machine-tool. No. 1,258,089; Mar. 5; v. 248; p. 41.
Bullard, Edward P., Jr., and W. N. Stevens, assignors to The Bullard Machine Tool Company, Bridgeport, Conn. Feed-works for machine-tools. No. 1,285,019; Nov. 19; v. 256; p. 476.
Bullard, James H., assignor of one-fourth to M. R. Corner, one-fourth to G. G. Corner, and one-fourth to A. Corner, Bedias, Tex. Cattle-guard. No. 1,257,671; Feb. 26; v. 247; p. 859.
Bullard, Lewis H. (See Temple and Bullard.)
Bullard Machine Tool Company, The. (See Bullard and Stevens, assignors.)
Bulle, Adolf G., New York, N. Y. Candle-wick support. No. 1,267,968; May 28; v. 250; p. 945.
Bullen, Henry L., Newark, assignor to American Type Founders Company, Jersey City, N. J. Chase-rack for printers' use. No. 1,272,207; July 9; v. 252; p. 441.
Bullen, Henry L., Newark, assignor to American Type Founders Company, Jersey City, N. J. Printer's cabinet. No. 1,283,655; Nov. 5; v. 256; p. 58.
Bullen, Joseph, Titusville, Pa. Spoon-holding attachment for pots and pans. No. 1,258,742; Mar. 12; v. 248; p. 269.
Bullerdick, Henry, Bellevue, Iowa. Drier for seed-corn. No. 1,274,849; Aug. 6; v. 253; p. 145.
Bulletin Machine Company. (See Davis, George P., assignor.)
Bulley, George W., Chicago, Ill. Rubber-working machine. No. 1,260,320; Mar. 26; v. 248; p. 786.
Bulley, George W., Chicago, Ill. Mixing and compounding rubber. No. 1,260,321; Mar. 26; v. 248; p. 786.
Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Dumping apparatus. No. 1,254,977; Jan. 29; v. 246; p. 1137.
Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Snow-plow. No. 1,254,978; Jan. 29; v. 246; p. 1137.
Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Vehicle. No. 1,254,979; Jan. 29; v. 246; p. 1138.
Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Regulator for draft-vehicles. No. 1,267,742; May 28; v. 250; p. 881.
Bulley, George W., Chicago, Ill. Sanitary mouthpiece-cover for telephone-transmitters. No. 1,275,124; Aug. 6; v. 253; p. 221.
Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Automatic coupling for trackless vehicles. No. 1,277,187; Aug. 27; v. 253; p. 882.
Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Controller for electric vehicles. No. 1,277,188; Aug. 27; v. 253; p. 882.
Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Steering-gear. No. 1,277,189; Aug. 27; v. 253; p. 882.
Bullivant, Cisco, assignor of one-half to W. W. Zent, Spokane, Wash. Tire-rim-reducing device. No. 1,268,542; June 4; v. 251; p. 134.
Bullock, Arthur R., Cleveland, Ohio. Current-converting machine. No. 1,267,969; May 28; v. 250; p. 945.
Bullock, Arthur R., Cleveland, Ohio. Picture-projecting and photographing device. No. 1,273,327; July 23; v. 252; p. 803.
Bullock, Arthur R., Cleveland, Ohio. Electrically-operating printing device. No. 1,275,657; Aug. 13; v. 253; p. 393.
Bullock, Charles F., Schenectady, N. Y., assignor to General Electric Company. Flow-meter. No. 1,281,906; Oct. 15; v. 255; p. 548.
Bullock, Edmund R., assignor to Eastman Kodak Company, Rochester, N. Y. Tellurium toning-bath and process of toning photographic elements. No. 1,273,797; July 23; v. 252; p. 929.
Bullock, Edmund R., assignor to Eastman Kodak Company, Rochester, N. Y. Producing colored images. No. 1,279,248; Sept. 17; v. 254; p. 571.
Bullock, Edmund R., assignor to Eastman Kodak Company, Rochester, N. Y. Toning process and product thereof. No. 1,286,890; Dec. 3; v. 257; p. 167.
Bullock, Edward W. (See Gleason and Bullock.)
Bullock, Fred J., assignor to Papec Machine Company, Shortsville, N. Y. Ensilage-cutting-wheel construction. No. 1,265,604; May 7; v. 250; p. 199.
Bullock, Fred J., assignor to Papec Machine Company, Shortsville, N. Y. Fan-wheel. No. 1,286,526; Dec. 3; v. 257; p. 85.
Bullock, George, Grand Junction, Colo. Bath-tub cover. No. 1,262,442; Apr. 9; v. 249; p. 438.
Bullock, George, Grand Junction, Colo. Pencil-sharpener. No. 1,266,769; May 21; v. 250; p. 584.
Bullock, George, and A. E. Templeman, Grand Junction, Colo. Electric iron. No. 1,282,038; Oct. 22; v. 255; p. 623.
Bullock, George, and A. E. Templeman, Grand Junction, Colo. Electric iron. No. 1,282,039; Oct. 22; v. 255; p. 623.
Bullock, George, and A. E. Templeman, Grand Junction, Colo. Electric iron. No. 1,282,040; Oct. 22; v. 255; p. 623.
Bullock, Hugh, Andover, assignor to Converse Rubber Shoe Company, Malden, Mass. Sole. No. 1,289,106; Dec. 31; v. 257; p. 835.
Bullock, Norvell H., Bala, Pa. Bag-carrier. No. 1,276,322; Aug. 20; v. 253; p. 609.
Bullock, Raymond G., assignor to Art Metal Construction Company, Jamestown, N. Y. Lock-rod for filing-cabinets. No. 1,284,581; Nov. 12; v. 256; p. 325
Bullock Tractor Co. (See Michel, Adolph C., assignor.)
Bulman, William V., Philadelphia, Pa. Multiple die-stock. No. 1,274,850; Aug. 6; v. 253; p. 145.
Bulmer, George D., Duquesne, Pa. Folding swing. No. 1,260,962; Mar. 26; v. 248; p. 970.
Bulthaus, Henry, Byron, Ill. Double hitch. No. 1,254,652; Jan. 29; v. 246; p. 1040.
Bumbaugh, Albert A., Warsaw, Ind. Husking-tool. No. 1,286,222; Dec. 3; v. 257; p. 10.
Bumgardner, George L., assignor of one-half to H. A. Patrige, Gridley, Kans. Vehicle-coupling. No. 1,269,377. June 11; v. 251; p. 386.
Bumgardner, Sidney D., St. Paul, Minn. Identification-clip for photographic films. No. 1,284,582; Nov. 12; v. 256; p. 326.
Bump, Belle L., *et al.* (See Cuthbert, John W., assignor.)
Bump, Charles M., *et al.* (See Cuthbert, John W., assignor.)
Bump, George P., La Crosse, Wis. Implement for uniting paper sheets. No. 1,283,063; Oct. 29; v. 255; p. 932.
Bumpus, Samuel, La Fayette, Ky. Sawing-machine. No. 1,266,916; May 21; v. 250; p. 624.
Bunch, Lemuel T., Charleston, S. C. Molding-face cutter. No. 1,269,378; June 11; v. 251; p. 387.
Bundy, Benjamin, Pasadena, Cal. Wrench. No. 1,255,381; Feb. 5; v. 247; p. 78.
Bundy Manufacturing Company. (See Knistrom, August, assignor.)
Bungay, George W., Brooklyn, N. Y., assignor to Acme Die Casting Corporation. Casting apparatus. No. 1,279,249; Sept. 17; v. 254; p. 572.
Bungay, George W., Brooklyn, N. Y., assignor to Acme Die-Casting Corporation. Die-casting machine. No. 1,279,650; Sept. 24; v. 254; p. 707.
Bungay, George W., Brooklyn, N. Y., assignor to Acme Die Casting Corporation. Trip device. No. 1,285,020; Nov. 19; v. 256; p. 477.
Bunker, Carey E., Oregon, Mo. Head-lamp control. No. 1,289,107; Dec. 31; v. 257; p. 835.
Bunker, Frank P., North Manchester, Ind. Brick-mold. No. 1,268,676; June 4; v. 251; p. 172.

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Bunker Hill & Sullivan Mining & Concentrating Co. (See Larson, Clarence L., assignor.)
Bunker, Ward S., Waukesha, Wis. Self-soaping shaving-brush. No. 1,264,007; Apr. 23; v. 249; p. 924.
Bunkley, Joel W., Washington, D. C. Elevator. No. 1,261,691; Apr. 2; v. 249; p. 198.
Bunkley, Joel W., Washington, D. C., assignor to R. Seidl, Minneapolis, Minn. Toy submarine. No. 1,271,272; July 2; v. 252; p. 147.
Bunn, James W., Henry, Tenn. Rail-tie. No. 1,264,008; Apr. 23; v. 249; p. 924.
Bunnell, Horry C., Westport, N. Y. Artificial-stone railway. No. 1,263,032; Apr. 16; v. 249; p. 634.
Bunnell, Isaac S., East Orange, N. J. Negative-holder. No. 1,259,355; Mar. 12; v. 248; p. 445.
Bunnell, Morton G., Champaign, Ill. Spark-plug. No. 1,273,819; July 30; v. 252; p. 974.
Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Excavator-bucket-dumping mechanism. No. 1,278,101; Sept. 10; v. 254; p. 235.
Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Traveling bucket excavator. No. 1,289,108; Dec. 31; v. 257; p. 835.
Bunnell, Morton G., Champaign, assignor of one-half to J. A. Harrell, Decatur, Ill. Measuring and dispensing device. No. 1,286,223; Dec. 3; v. 257; p. 10.
Bunnell, Sterling H., New York, and C. G. Peterson, Lockport, N. Y., assignors to The Griscom-Russell Company. Furnace-charging apparatus. No. 1,265,736; May 14; v. 250; p. 266.
Bunnell, William O., and O. A. Gates, Wilkes-Barre, Pa. Car-replacer. No. 1,265,045; May 7; v. 250; p. 49.
Bunnell, William O., and O. G. Williams, assignors of one-half to Q. A. Gates and one-half to said Bunnell, Wilkes-Barre, Pa. Attachment for telephones. No. 1,253,191; Jan. 8; v. 246; p. 542.
Bunting Iron Works. (See Driscoll, Dennis L., assignor.)
Bunting, Laura F., Pocomoke City, Md. Mop. No. 1,265,737; May 14; v. 250; p. 266.
Bunting, Wm. M. (See Newton, George F., assignor.)
Bunyan, William J., Cleveland, Ohio. Signal device for automobiles. No. 1,266,101; May 14; v. 250; p. 369.
Bunzel, Earnest, Conshohocken, Pa. Flower-pot holder and carrier. No. 1,266,102; May 14; v. 250; p. 369.
Bunzel, Ernest, Plymouth Meeting, Pa. Flower-pot holder and carrier. No. 1,280,387; Oct. 1; v. 255; p. 76.
Burandt, Henry V., Minneapolis, Minn. Match-box. No. 1,259,484; Mar. 19; v. 248; p. 514.
Burch, Benjamin W. (See Glaser and Burch.)
Burch, Frederick R., assignor of nine one-hundredths to J. West and nine one-hundredths to E. West, Seattle, Wash. Motor-sled. (Reissue.) No. 14,418; Jan. 8; v. 246; p. 545.
Burch, Henry K., Miami, Ariz. Apparatus for classifying ores. No. 1,267,373; May 28; v. 250; p. 779.
Burch, Herbert A., Kalamazoo, Mich. Tire. No. 1,268,924; June 11; v. 251; p. 260.
Burch Plow Works Co., The. (See Coultas, Wilbur J., assignor.)
Burch, Robert S., Carmona, Tex. Chimney-cowl. No. 1,258,865; Mar. 12; v. 248; p. 305.
Burchartz, Ferdinand, New York, N. Y. Process and apparatus for casting compound metal units. No. 1,255,706; Feb. 5; v. 247; p. 171.
Burchill, Richard D., Tampa, Fla. Trench-destroyer and army-destroyer. No. 1,258,743; Mar. 12; v. 248; p. 269.
Burd, Charles. (See Burd, George and C.)
Burd, George and C., Hazelwood, Pa. Air-compressor pump. No. 1,273,728; July 23; v. 252; p. 911.
Burd Ring Sales Company. (See Cobe, Harry H., assignor.)
Burda, Joseph, Chicago, Ill. Glass-cutting device. No. 1,282,375; Oct. 22; v. 255; p. 716.
Burdette, Richard S., San Antonio, Tex. Film-mask for cameras. No. 1,280,958; Oct. 8; v. 255; p. 258.
Burdick, Adelbert S., assignor to Burdick Tire & Rubber Company, Chicago, Ill. Tire-casing. No. 1,279,836; Sept. 24; v. 254; p. 761.
Burdick, Alfred S., and C. Nielsen, assignors to The Abbott Laboratories, Chicago, Ill. Prepared food. No. 1,273,144; July 23; v. 252; p. 756.
Burdick, Alfred S., and C. Nielsen, assignors to The Abbott Laboratories, Chicago, Ill. Vegetable milk. No. 1,273,145; July 23; v. 252; p. 757.
Burdick Tire & Rubber Company. (See Burdick, Adelbert S., assignor.)
Burdon, William M., assignor to Burdons Limited, Bellshill, Scotland. Liquid-fuel furnace. No. 1,275,841; Aug. 13; v. 253; p. 444.
Burdons Limited. (See Burdon, William M., assignor.)
Burdwise, Aaron, Baltimore, Md. Pick for stringed instruments. No. 1,263,740; Apr. 23; v. 249; p. 849.
Buren, Daniel L. (See McClain and Buren.)
Buresch, Ludwig, Emmett, Idaho. Saw. No. 1,259,831; Mar. 19; v. 248; p. 612.
Buresch, William W., Baltimore, Md. Bottle-capping tool. No. 1,276,323; Aug. 20; v. 253; p. 609.
Buresch, William W., Baltimore, Md. Bottle-capping machine. No. 1,276,489; Aug. 20; v. 253; p. 656.
Burge, George H., Huntsville, Mo. Valve. No. 1,260,509; Mar. 26; v. 248; p. 842.
Burgedorff, Raymond N., Denver, Colo. Means for propelling bicycles or similar machines. No. 1,269,681; June 18; v. 251; p. 501.
Burger, Abraham B., Portland, Oreg. Bicycle-lock. No. 1,270,690; June 25; v. 251; p. 801.
Burger, Clarence W. (See Silverberg and Burger.)
Burger, Otto R. (See Gollinge, Alexander, assignor.)
Burgert, Willard C. (See Ender, Crompton, and Burgert.)
Burgess Battery Company. (See Burgess, Charles F., assignor.)
Burgess Battery Company. (See Schulte, Walter B., assignor.)
Burgess, Charles F., assignor, by mesne assignments, to Burgess Battery Company, Madison, Wis. Dry cell. No. 1,277,042; Aug. 27; v. 253; p. 841.
Burgess, Charles F., assignor, by mesne assignments, to Burgess Battery Company, Madison, Wis. Shipping and storing dry batteries. No. 1,280,657; Oct. 8; v. 255; p. 176.
Burgess, Charles F., Madison, Wis., assignor to Burgess Battery Company. Apparatus for making battery-wrappers. No. 1,284,583; Nov. 12; v. 256; p. 326.
Burgess, Charles F., Madison, Wis., assignor to Burgess Battery Company. Battery-wrapper. No. 1,284,584; Nov. 12; v. 256; p. 326.
Burgess, Charles F., Madison, Wis., assignor to Burgess Battery Company. Making battery-wrappers. No. 1,284,585; Nov. 12; v. 256; p. 326.
Burgess, E. A., *et al.* (See Borbeck, Martin, assignor.)
Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-drill. No. 1,264,153; Apr. 30; v. 249; p. 996.
Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Hay-rake. No. 1,272,617; July 16; v. 252; p. 583.
Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Hay-loader. No. 1,275,658; Aug. 13; v. 253; p. 393.
Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-harvester. No. 1,278,102; Sept. 10; v. 254; p. 235.
Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,278,103; Sept. 10; v. 254; p. 236.
Burgess, Edward W., Chicago, Ill., assignor, by mesne assignments, to International Harvester Company. Tractor-propelled harvester. No. 1,290,017; Dec. 31; v. 257; p. 1060.
Burgess, Edward W., Jr., Milwaukee, Wis. Stump-pulling engine. No. 1,261,760; Apr. 9; v. 249; p. 249.
Burgess, Frank, Wollaston, Mass. Pinion-wire and spur-gear cutting machine. No. 1,267,970; May 28; v. 250; p. 946.
Burgess, Frank A., Geneva, Ill. Seed-testing tray. No. 1,254,200; Jan. 22; v. 246; p. 882.
Burgess, Frederick G., Brooklyn, N. Y., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Display-case. No. 1,272,618; July 16; v. 252; p. 584.
Burgess, George F. (See Burgess, John W. and G. F.)
Burgess, John W. and G. F., Kansas City, Mo. Tire. No. 1,283,064; Oct. 29; v. 255; p. 932.
Burgess, John W. and G. F., Kansas City, Mo. Inner tire-cushion. No. 1,283,065; Oct. 29; v. 255; p. 933.
Burgess, Joseph E., assignor to More-Jones Brass & Metal Company, St. Louis, Mo. Combination strain-plate and removable trolley-frog. No. 1,272,208; July 9; v. 252; p. 441.
Burgess, Joseph K., Bluefield, W. Va. Garment-retainer. No. 1,257,800; Feb. 26; v. 247; p. 898.
Burgess, Louis. (See Barnett and Burgess.)
Burgess, Mortimer B., Jamaica, British West Indies. Shutter mechanism. No. 1,281,131; Oct. 8; v. 255; p. 306.
Burgess, Thomas A., Modesto, Cal. Bean cutter and windrower. No. 1,288,499; Dec. 24; v. 257; p. 662.
Burgess, William H., Cosmopolis, Wash. Log-bunk for cars. No. 1,278,587; Sept. 10; v. 254; p. 365.
Burgess, William S., Marblehead, Mass., assignor to Curtiss Aeroplane & Motor Corporation. Aeroplane-wing construction. No. 1,285,021; Nov. 19; v. 256; p. 477.
Burgess, Yorke, Chicago, Ill., assignor to American Signal Company, Kansas City, Mo. Railway block-signaling means. No. 1,263,371; Apr. 23; v. 249; p. 748.
Burget, William B., Kansas City, Mo. Vending-machine. No. 1,268,212; June 4; v. 251; p. 40.
Burgett, Clark, assignor of one-half to E. E. Haugen, Anacortes, Wash. Headlight. No. 1,277,190; Aug. 27; v. 253; p. 883.
Burgett, Wilfred E., Flaxton, N. D. Desk. No. 1,273,729; July 23; v. 252; p. 911.
Burgher, James H., Russellville, Ky. Toy cannon. No. 1,260,633; Mar. 26; v. 248; p. 879.
Burgin, Robert J., Marion, N. C. Hydrostatic overshot water-wheel. No. 1,255,510; Feb. 5; v. 247; p. 114.
Burgoyne, John L., San Francisco, Cal. Machine for working and shaping dough or other plastic substances. No. 1,258,866; Mar. 12; v. 248; p. 306.
Burgoyne, John L., San Francisco, Cal. Adjustable tray. No. 1,274,382; Aug. 6; v. 253; p. 9.

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Burhorn, Edwin, Hoboken, N. J. Cooling-tower. No. 1,252,774; Jan. 8; v. 246; p. 420.
Burhorn, Edwin, Hoboken, N. J. Combined atmospheric cooling and condensing tower. No. 1,287,630; Dec. 17; v. 257; p. 421.
Buric, Johann, Cranford, N. J., assignor of one-half to H. J. Mewes, New York, N. Y. Table. No. 1,273,730; July 23; v. 252; p. 911.
Burjanek, Frank, assignor to Herhold Chair Co., Chicago, Ill. Chair. No. 1,253,346; Jan. 15; v. 246; p. 617.
Burk, Mabel W., Chester, Pa. Surgical stocking. No. 1,287,870; Dec. 17; v. 257; p. 482.
Burk, Maurice, *et al.* (See Finnigan, James H., assignor.)
Burk, Samuel D., *et al.* (See Johnson, Amos E., assignor.)
Burkart, Eugene, Philadelphia, Pa. Toy. No. 1,254,573; Jan. 22; v. 246; p. 988.
Burkart, William J. (See Hook and Burkart.)
Burkat, Hyman A., Boston, Mass. Device for peeling oranges and similar fruit. No. 1,285,022; Nov. 19; v. 256; p. 477.
Burke, Alfred, Brooklyn, N. Y. Ornamentation. No. 1,254,469; Jan. 22; v. 246; p. 958.
Burke, Alfred W., Wilmington, Del. Excess-wattmeter. No. 1,262,746; Apr. 16; v. 249; p. 553.
Burke, Alfred W., Wilmington, Del. Excess-wattmeter. No. 1,262,747; Apr. 16; v. 249; p. 554.
Burke, Alfred W., Wilmington, Del. Excess-wattmeter. No. 1,284,230; Nov. 12; v. 256; p. 236.
Burke, Alfred W., Wilmington, Del. Excess-wattmeter. No. 1,284,231; Nov. 12; v. 256; p. 236.
Burke, Edward J. (See Lieck, Charles, assignor.)
Burke Electric Company. (See Faure, Elie F. G. H., assignor.)
Burke Electric Company. (See Hansen, Hjalmar J., assignor.)
Burke, James, Erie, Pa., assignor to General Railway Signal Company. Selective motor. No. 1,271,524; July 2; v. 252; p. 215.
Burke, James F. (See Eckert and Burke.)
Burke, James P., Struthers, Ohio. Locking hair-pin. No. 1,272,209; July 9; v. 252; p. 441.
Burke, John F., Philadelphia, Pa. Bathing-suit. No. 1,272,769; July 16; v. 252; p. 627.
Burke, John M., Alma, Mont. Header attachment for binders. No. 1,271,427; July 2; v. 252; p. 187.
Burke, Lot F., Schenectady, N. Y. Motor-cycle. No. 1,269,379; June 11; v. 251; p. 387.
Burke, Michael J., assignor of one-fourth to M. Coyne, Bakersfield, Cal. Sleeve-holder. No. 1,270,113; June 18; v. 251; p. 617.
Burke, Moncure, Washington, D. C. Signal device for automobiles. No. 1,262,748; Apr. 16; v. 249; p. 554.
Burke, Riley M., West Frankfort, Ill. Device for repairing cars. No. 1,283,656; Nov. 5; v. 256; p. 58.
Burke, Rua E., Spokane, Wash. Fluid-container. No. 1,269,901; June 18; v. 251; p. 562.
Burke, Thomas F., Philadelphia, Pa. Burglar-alarm for automobiles. No. 1,260,866; Mar. 26; v. 248; p. 944.
Burke, Thomas H. (See Eckert and Burke, assignors.)
Burke, Thomas J., New Orleans, La. War game. No. 1,257,069; Feb. 19; v. 247; p. 648.
Burke, Thomas J., New Orleans, La. Mechanism for use in sealing cartons. No. 1,283,066; Oct. 29; v. 255; p. 933.
Burke, Walter S., Cambridge, Mass. Means for utilizing electricity. No. 1,257,801; Feb. 26; v. 247; p. 898.
Burke, Wilbur B., Cleveland, Ohio, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust-cap for valves or the like. No. 1,253,573; Jan. 15; v. 246; p. 683.
Burke, William J. (See Graf, Simon J., assignor.)
Burke, William J., San Francisco, Cal. Wind-shield cleaner. No. 1,284,232; Nov. 12; v. 256; p. 237.
Burker, Nathan, New York, N. Y. Cloth-piercing drill. No. 1,262,633; Apr. 16; v. 249; p. 521.
Burkett, John W., assignor to The Burkett Manufacturing Company, Columbus, Ohio. Internal-combustion engine. No. 1,253,933; Jan. 15; v. 246; p. 785.
Burkett, John W., assignor to The Burkett Manufacturing Company, Columbus, Ohio. Hay-press. No. 1,278,301; Sept. 10; v. 253; p. 289.
Burkett Manufacturing Company, The. (See Burkett, John W., assignor.)
Burkey, Henry T., Tulsa, Okla. Electric fish-stop. No. 1,269,380; June 11; v. 251; p. 387.
Burkhard, Albert A., West Albany, and W. J. McClennan, Albany, N. Y. Emergency draw-bar. No. 1,282,185; Oct. 22; v. 255; p. 664.
Burkhardt, Jacob R., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Burial-casket. No. 1,268,091; June 4; v. 251; p. 6.
Burkhart, Charles F., New York, assignor to Burkhart Corporation, Buffalo, N. Y. Guard-operating mechanism for shoe-dressing machines. No. 1,278,848; Sept. 17; v. 254; p. 465.
Burkhart Corporation. (See Burkhart, Charles F., assignor.)
Burkhart Corporation. (See Henry, Ferdinand G., assignor.)
Burkhart, Henry B. (See Smith, John F., assignor.)
Burkhart, Howard A., Petersburg, Ind. Photographic developing-machine. No. 1,265,169; May 7; v. 250; p. 82.
Burkhart, James R., Davenport, Iowa. Permutation-valve. No. 1,255,581; Feb. 5; v. 247; p. 136.
Burkhart, Lucy G., Flagstaff, Ariz. Combined egg-beater and cake-spoon. No. 1,282,537; Oct. 22; v. 255; p. 759.
Burkhartzmeyer, Jacob J., Faribault, Minn. Projectile. No. 1,278,104; Sept. 10; v. 254; p. 236.
Burkholder, Clyde, Ruth, Nev. Flexible sheave. No. 1,267,374; May 28; v. 250; p. 779.
Burkholder, Frank. (See Collins, Arthur M., assignor.)
Burkitt, Floyd A., assignor to The Recording and Computing Machines Company, Dayton, Ohio. Fare-box. No. 1,252,657; Jan. 8; v. 246; p. 386.
Burkitt, Floyd A., assignor to The Recording and Computing Machines Company, Dayton, Ohio. Fare-box. No. 1,270,375; June 25; v. 251; p. 714.
Burks, Arthur W., assignor to Decatur Pump & Mfg. Co., Decatur, Ill. Air-valve for pumps. No. 1,272,770; July 16; v. 252; p. 627.
Burks, Arthur W., assignor to Decatur Pump & Mfg. Co., Decatur, Ill. Pump. No. 1,272,771; July 16; v. 252; p. 627.
Burks, Arthur W., assignor to Decatur Pump and Manufacturing Company, Decatur, Ill. Clutch. No. 1,281,507; Oct. 15; v. 255; p. 441.
Burks, Eugene G., and N. Hayes, Ensley, Ala. Settling apparatus for coal-washings. No. 1,284,586; Nov. 12; v. 256; p. 327.
Burks, George W., and W. C. Suppler, Birmingham, Ala. Guard-lock for automobile-tires. No. 1,279,509; Sept. 24; v. 254; p. 666.
Burlew, Charles R., Yonkers, N. Y. Thermostatic circuit-controller. No. 1,252,393; Jan. 8; v. 246; p. 308.
Burlich, William W., New York, N. Y. Artificial eye. No. 1,289,643; Dec. 31; v. 257; p. 968.
Burlin, Charles T. (See Tideman, Carl G., assignor.)
Burlin, Charles T., Whitinsville, assignor of one-half to W. L. Goodrich, Springfield, Mass. Repairing device for steam-hammers. No. 1,252,084; Jan. 1; v. 246; p. 189.
Burlingame, Roland I., Providence, R. I. Anchor for antiskid-chains. No. 1,279,837; Sept. 24; v. 254; p. 762.
Burlton, Edward T., London, England, assignor to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Box-covering mechanism. No. 1,282,747; Oct. 29; v. 255; p. 844.
Burman, John O., Lowell, Mass. Burner. No. 1,259,832; Mar. 19; v. 248; p. 612.
Burner, William L., assignor to Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car. No. 1,281,508; Oct. 15; v. 255; p. 442.
Burner, William L., J. D. Benbow, and D. Greene, assignors to The Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio. Compression-lock for dump-cars. No. 1,254,201; Jan. 22; v. 246; p. 882.
Burness, William, Jr., Los Angeles, Cal. Adjustable school-desk. No. 1,264,609; Apr. 30; v. 249; p. 1125.
Burnett, Charles S., Holyoke, Mass. Bobbin-stripping machine. No. 1,260,867; Mar. 26; v. 248; p. 944.
Burnett, Fred W., Shinnston, W. Va. Truing attachment for lathes. No. 1,265,423; May 7; v. 250; p. 152.
Burnett, George M., *et al.* (See Judy, Andrew W., assignor.)
Burnett, Georgia D., Hatcher Station, Ga. Planting-machine. No. 1,285,610; Nov. 26; v. 256; p. 663.
Burnett, Georgia D., Hatcher Station, Ga. Peanut-plow. No. 1,285,611; Nov. 26; v. 256; p. 664.
Burnett-Larsh Manufacturing Company, The. (See Larsh, Everett P., assignor.)
Burnett, Laura Y., Murfreesboro, Tenn. Combined book rack and carrier. No. 1,289,644; Dec. 31; v. 257; p. 968.
Burnett, Orbid W., assignor of one-half to J. L. Welsh, Laclede, Mo. Apparatus for stretching wire. No 1,269,381; June 11; v. 251; p. 388.
Burnett, Richard W., Montreal, Quebec, Canada. Grain-car door. No. 1,255,382; Feb. 5; v. 247; p. 78.
Burnett, Richard W., Chicago, Ill. Hinge. No. 1,263,203; Apr. 16; v. 249; p. 683.
Burnett, Richard W., Chicago, Ill. Car-roof. No. 1,265,738; May 14; v. 250; p. 267.
Burnett, Richard W., Chicago, Ill. Car-roof. No. 1,265,739; May 14; v. 250; p. 267.
Burnett, Richard W., Chicago, Ill. Grain-door retainer. No. 1,283,067; Oct. 29; v. 255; p. 933.
Burnett, Richard W., Chicago, Ill. Pipe-holding key. No. 1,285,023; Nov. 19; v. 256; p. 477.
Burnett, Richard W., Chicago, Ill. Convertible freight-car. No. 1,285,024; Nov. 19; v. 256; p. 477.
Burnett, Richard W., Albany, N. Y. Means for reinforcing car ends. No. 1,287,631; Dec. 17; v. 257; p. 422.
Burnett, Richard W., Albany, N. Y. Car end construction. No. 1,287,632; Dec. 17; v. 257; p. 422.
Burnett, Richard W., assignor to C. A. Carscadin, Chicago, Ill. Coupling release-rigging. No. 1,283,657; Nov. 5; v. 256; p. 58.
Burnett, William. (See Billington and Burnett.)
Burnett, William H., Mound City, Mo. Bottle-cap remover. No. 1,267,052; May 21; v. 250; p. 663.

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Burnham Basket Company. (See Burnham, Charles, assignor.)
Burnham, Charles, Los Angeles, Cal. Box-making ejecting mechanism. No. 1,252,546; Jan. 8; v. 246; p. 354.
Burnham, Charles, Los Angeles, Cal., assignor to Burnham Basket Company. Box-making machine. No. 1,252,544; Jan. 8; v. 246; p. 353.
Burnham, Charles, Los Angeles, Cal., assignor to Burnham Basket Company. Box-making machine. No. 1,252,545; Jan. 8; v. 246; p. 353.
Burnham, Chester W., assignor to Oneida Community, Limited, Oneida, N. Y. Box. No. 1,265,046; May 7; v. 250; p. 49.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Electric connector. No. 1,259,452; Mar. 12; v. 248; p. 472.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Electrical distribution system. No. 1,259,453; Mar. 12; v. 248; p. 472.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Time-limit device for electric switches. No. 1,259,454; Mar. 12; v. 248; p. 473.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Alternating-current solenoid. No. 1,266,917; May 21; v. 250; p. 625.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Circuit-breaker and switch. No 1,269,156; June 11; v. 251; p. 324.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Selective time-limit controlling device for electric switches. No. 1,288,500; Dec. 24; v. 257; p. 663.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Selective time-limit controlling device for electric switches. No. 1,288,501; Dec. 24; v. 257; p. 663.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Boston, Mass. Selective time-limit controlling device for electric switches. No. 1,288,502; Dec. 24; v. 257; p. 663.
Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Electric motor. No. 1,288,503; Dec. 24; v. 257; p. 663.
Burnham, George B., Berkeley, Cal. Recovering potassium chlorid from saline waters. No. 1,286,932; Dec. 10; v. 257; p. 217.
Burnham, Perry E., Salt Lake City, Utah. Water-gage. No. 1,258,867; Mar. 12; v. 248; p. 306.
Burnham, Perry E., Salt Lake City, Utah. Water-measuring device. No. 1,259,076; Mar. 12; v. 248; p. 366.
Burnham, Reuben B. (See Montgomery and Burnham.)
Burnham, Walter A., Somerville, Mass. Money-chart. No. 1,260,963; Mar. 26; v. 248; p. 970.
Burnip, William, Chase River, British Columbia, Canada. Sled-runner for automobiles. No. 1,269,255; June 11; v. 251; p. 353.
Burnitol Manufacturing Company. (See Sheline, Orville O., assignor.)
Burns, A. C. (See Beck, William P., assignor.)
Burns, Al, Sunset, Idaho. Spark-extinguisher. No. 1,264,891; May 7; v. 250; p. 6.
Burns, Bessie A., Houston, Tex. Attachment for vehicle-headlights. No. 1,260,322; Mar. 26; v. 248; p. 787.
Burns, Charley, Avondale, Colo. Chute for wagons. No. 1,285,924; Nov. 26; v. 256; p. 743.
Burns, Clinton S., Kansas City, Mo. Pipe-joint. No. 1,259,833; Mar. 19; v. 248; p. 612.
Burns, Deane, Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Purification of precipitates. No. 1,272,375; July 16; v. 252; p. 516.
Burns, Domer A., Miller, Ark. Combined roller and harrow. No. 1,268,319; June 4; v. 251; p. 71.
Burns, Domer A., Miller, Ark. Coupling attachment. No. 1,268,320; June 4; v. 251; p. 72.
Burns, Edward C., Kansas City, Mo. Gearing for motor-vehicles. No. 1,257,311; Feb. 26; v. 247; p. 754.
Burns, Emmet S. (See Johnson, John E., assignor.)
Burns, Garrie H., Los Angeles, Cal. Automatic sewer-flusher. No. 1,256,656; Feb. 19; v. 247; p. 527.
Burns, Harry O., Eufaula, Ala., assignor to Draper Corporation, Hopedale, Mass. Shuttle-feeler. No. 1,288,378; Dec. 17; v. 257; p. 606.
Burns, Howard E., assignor to C. F. Massey Company, Chicago, Ill. Concrete-pipe form. No. 1,289,109; Dec. 31; v. 257; p. 835.
Burns, James, Brooklyn, N. Y. Attachment for pipes, hose, or faucets. No. 1,288,824; Dec. 24; v. 257; p. 742.
Burns, James J., and C. L. McCuen, Rockford, Ill. Machine for removing snow from trackways. No. 1,284,873; Nov. 12; v. 256; p. 400.
Burns, Jesse L., and J. J. Wilson, Farnhamville, Iowa. Clutch-spring compressor. No. 1,286,933; Dec. 10; v. 257; p. 217.
Burns, John, Kenosha, Wis. Joint structure for metallic furniture. No. 1,258,532; Mar. 5; v. 248; p. 170.
Burns, John, Kenosha, Wis. Electrical welding and apparatus used in connection therewith. No. 1,271,428; July 2; v. 252; p. 188.
Burns, John E., Flushing, N. Y. Dental casting-machine. No. 1,272,912; July 16; v. 252; p. 668.
Burns, John E., Northport, N. Y. Window-seat. No. 1,274,000; July 30; v. 252; p. 1025.
Burns, John J. (See Milson, John R., assignor.)
Burns, Joseph E., Canastota, N. Y. Grooving-tool. No. 1,259,077; Mar. 2; v. 248; p. 367.
Burns, Joseph E., Canastota, N. Y. Article-supporting device. No. 1,272,772; July 16; v. 252; p. 627.
Burns, Josiah O., assignor to Germain Seed and Plant Company, Los Angeles, Cal. Display-rack. No. 1,274,509; Aug. 6; v. 253; p. 48.
Burns, Mark L., *et al.* (See Weber, Albert A., assignor.)
Burns, Peter C., Chicago, Ill. Extensible bracket. No. 1,274,001; July 30; v. 252; p. 1025.
Burns, Peter C., Chicago, Ill. Adjustable bracket. No. 1,285,025; Nov. 29; v. 256; p. 478.
Burns, Peter C., assignor to American Electric Company, Chicago, Ill. Horn. No. 1,265,605; May 7; v. 250; p. 199.
Burns, Ray E., Syracuse, N. Y. Non-refillable bottle. No. 1,272,376; July 16; v. 252; p. 516.
Burns, Robert, Toronto, Ontario, Canada. Automobile-signal. No. 1,289,110; Dec. 31; v. 257; p. 836.
Burns, Robert L., and G. I. Keniston, Taft, Cal. Cement-dump bailer for oil-wells. No. 1,275,378; Aug. 13; v. 253; p. 317.
Burns, Rosanna M., Manitowoc, Wis. Pie-pan cover. No. 1,251,860; Jan. 1; v. 246; p. 127.
Burns, Thomas F., Oklahoma, assignor of one-half to R. P. Cruse, Anadarko, Okla. Music-turner. No. 1,270,114; June 18; v. 251; p. 617.
Burns, Thomas L., Oakland, Cal. Pressure-relieving and ventilating attachment for hats. No. 1,266,661; May 21; v. 250; p. 554.
Burns, Wilbur F., assignor to The Bassick Co., Bridgeport, Conn. Furniture-leg mount. No. 1,278,432; Sept. 10; v. 254; p. 322.
Burns, Wilbur F., assignor to The Bassick Co., Bridgeport, Conn. Furniture-leg mount. No. 1,278,433; Sept. 10; v. 254; p. 322.
Burnson, Erick H., Wahpeton, N. D. Wrench. No. 1,270,263; June 25; v. 251; p. 683.
Burnstine, Henry C. (See Beard, William G., assignor.)
Burnstone, Hirsh, assignor of one-half to H. Grubin, Brooklyn, N. Y. Ash-sifter. No. 1,268,092; June 4; v. 251; p. 7.
Buron, Joseph N., Eholt, British Columbia, Canada. Spittoon lifter and carrier. No. 1,276,170; Aug. 20; v. 253; p. 568.
Burpee, Frank W., assignor to Burpee & Letson, Limited, South Bellingham, Wash. Flanging device for can-bodies. No. 1,289,111; Dec. 31; v. 257; p. 836.
Burpee, Frank W., assignor to Burpee & Letson, Limited, South Bellingham, Wash. Can-opener. No. 1,289,645; Dec. 31; v. 257; p. 968.
Burpee & Letson. (See Burpee, Frank W., assignor.)
Burque, Sylvain, Lynn, Mass. Car-fender. No. 1,274,508; Aug. 6; v. 253; p. 48.
Burr, Frank G. (See Burr, John H. and F. G.)
Burr, Harold L., Middletown, Conn. Gasket and screen combination. No. 1,276,171; Aug. 20; v. 253; p. 568.
Burr, Henry B. (See Hickey, Leonard M., assignor.)
Burr, John H. and F. G., Whitman, Nebr. Hoisting and tilting device. No. 1,280,155; Oct. 1; v. 255; p. 10.
Burr, Thomas W., Stoneham, Mass. Vacuum-feed carbureter. No. 1,271,848; July 9; v. 252; p. 338.
Burr, William H., Rochester, N. Y. Adjustable guide-board for vehicle-routes. No. 1,285,925; Nov. 26; v. 256; p. 743.
Burrell, Delavan V., Rocky Ford, Colo. Siphonic system. No. 1,255,130; Feb. 5; v. 247; p. 5.
Burrell, L. A. (See Stuebing and Van Guelpen, assignors.)
Burrell, William C., Kankakee, Ill. Vehicle. No. 1,276,172; Aug. 20; v. 253; p. 568.
Burress, Charles E., Los Angeles, Cal. Centrifugal turbine-pump. No. 1,267,180; May 21; v. 250; p. 700.
Burress, Frank B. (See Burress, Spurlin J., assignor.)
Burress, Spurlin J., Carterville, assignor to F. B. Burress, Carbondale, Ill. Fence. No. 1,264,875; Apr. 30; v. 249; p. 1196.
Burridge, Francis O., executor. (See Burridge, Lee S.)
Burridge, Lee S., deceased; F. O. Burridge, executor, assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,259,599; Mar. 19; v. 248; p. 545.
Burridge, Lee S., deceased; F. O. Burridge, executor, assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,268,790; June 4; v. 251; p. 204.
Burridge, Lee S., deceased; F. O. Burridge, executor, assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,284,055; Nov. 5; v. 256; p. 162.
Burrill, Robert T., Winchester, N. H. Rail-tie. No. 1,270,691; June 25; v. 251; p. 801.
Burris, Melvin, Mendon, Ohio. Dump-wagon. No. 1,255,383; Feb. 5; v. 247; p. 78.
Burritt, Walter L., assignor to Ontario Knife Company, Franklinville, N. Y. Carving-fork. No. 1,289,384; Dec. 31; v. 257; p. 904.
Burroughs Adding Machine Company. (See Bricken, John, assignor.)

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Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)
Burroughs Adding Machine Company. (See Howieson, John T., assignor.)
Burroughs Adding Machine Company. (See Raber, Joseph, assignor.)
Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)
Burroughs, Arthur S. (See Dutro and Burroughs.)
Burrowes, John C., Jacksonville, Fla. Railway-car-lighting mechanism. No. 1,263,848; Apr. 23; v. 249; p. 880.
Burrows, Arthur, Freedom, N. Y. Runners and propelling mechanism for automobile-trucks. No. 1,252,233; Jan. 1; v. 246; p. 229.
Burrows, C. B., *et al.* (See Smith, William S., assignor.)
Burrows, Garnet, *et al.* (See Sartain, Louis M., assignor.)
Burrows, Henry H., Oshkosh, Wis. Cushioned spring-seat. No. 1,279,510; Sept. 24; v. 254; p. 667.
Burrows, Jameson M., and H. F. Trenary, Newkirk, Okla. Valve. No. 1,272,913; July 16; v. 252; p. 668.
Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Axle for motor-vehicles. No. 1,265,742; May 14; v. 250; p. 268.
Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Axle for motor-vehicles. No. 1,282,748; Oct. 29; v. 255; p. 844.
Burrows, Robert J., and E. B. Ross, assignors, by mesne assignments, to Clark Equipment Company, Buchanan, Mich. Wheel. No. 1,265,740; May 14; v. 250; p. 267.
Burrows, Robert J., and E. B. Ross, assignors, by mesne assignments, to Clark Equipment Company, Buchanan, Mich. Wheel. No. 1,265,741; May 14; v. 250; p. 268.
Burrows, Seth A., assignor to W. Overton, New York, N. Y. Shock-absorber for vehicles. No. 1,281,248; Oct. 8; v. 255; p. 339.
Burrows, William B. (See Skeith and Burrows.)
Burruss, Albert E., Norfolk, Va. Potato-digging machine. No. 1,231,509; Oct. 15; v. 255; p. 442.
Bursell, Arvid, Aumsville, Oreg. Surgical instrument. No. 1,261,357; Apr. 2; v. 249; p. 104.
Burson Manufacturing Company. (See Hinchliff, William E., assignor.)
Burt, James A. (See Mors and Burt.)
Burt, James H., assignor of one-half to C. H. Leer, Kokomo, Ind. Fishing-reel. No. 1,271,429; July 2; v. 252; p. 188.
Burt, Joseph P., Eldorado, Kans. Tug-rope holder. No. 1,274,984; Aug. 6; v. 253; p. 182.
Burt Machine Company. (See Whitehurst and Wild, assignors.)
Burt, Robinson, assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Slitting-machine. No. 1,286,934; Dec. 10; v. 257; p. 217.
Burt, William H., assignor to Waterbury Mfg. Co., Waterbury, Conn. Tube-bending machine. No. 1,267,845; May 28; v. 250; p. 912.
Burtis, William H., Decorah, Iowa, assignor to T. F. Wallace, Minneapolis, Minn. Glare-shield. No. 1,266,399; May 14; v. 250; p. 449.
Burton, Augustus, Wadley, Ga. Package-tie. No. 1,283,658; Nov. 5; v. 256; p. 58.
Burton, Charles S., Oak Park, Ill. Pencil-sharpener. No. 1,265,743; May 14; v. 250; p. 268.
Burton, Charles S., Oak Park, Ill. Governing device for internal-combustion motors. No. 1,283,068; Oct. 29; v. 255; p. 933.
Burton, Charles S., Oak Park, assignor to Melville Clark Piano Company, Chicago, Ill. Phonograph. No. 1,264,268; Apr. 30; v. 249; p. 1029.
Burton, Frank F., East Haven, assignor to Winchester Repeating Arms Co., New Haven, Conn. Combined muzzle flash-hider and bayonet-mount for firearms. No. 1,283,465; Nov. 5; v. 256; p. 7.
Burton, Frank F., East Haven, assignor to Winchester Repeating Arms Co., New Haven, Conn. Rear sight for firearms. No. 1,288,379; Dec. 17; v. 257; p. 606.
Burton, Frank V., assignor to The Bryant Electric Company, Bridgeport, Conn. Current-tap. No. 1,281,907; Oct. 15; v. 255; p. 548.
Burton, Fred. (See Almquist and Burton.)
Burton, Irwin G., Los Angeles, Cal. Flagstaff-holder for automobiles and the like. No. 1,266,770; May 21; v. 250; p. 585.
Burton, Isaac F., Philadelphia, Pa., W. W. Moyer, and L. Y. Squibb, Camden, N. J., assignors to Victor Talking Machine Company. Flexible shaft-coupling. No. mann.)
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake-rigging release. No. 1,261,485; Apr. 2; v. 249; p. 139.
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake-rigging. No. 1,261,486; Apr. 2; v. 249; p. 139.
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake-beam suspension. No. 1,261,487; Apr. 2; v. 249; p. 139.
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake-rigging. No. 1,263,525; Apr. 23; v. 249; p. 793.
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake-head-balancing device. No. 1,269,256; June 11; v. 251; p. 353.
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake head and shoe balancing device. No. 1,269,257; June 11; v. 251; p. 353.
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Clasp-brake design for six-wheeled trucks. No. 1,274,676; Aug. 6; v. 253; p. 96.
Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake-rigging for six-wheeled trucks. No. 1,274,677; Aug. 6; v. 253; p. 96.
Burton, Thomas L., assignor to American Brake Company, St. Louis, Mo. Brake-rigging. No. 1,281,510; Oct. 15; v. 255; p. 442.
Burton, Thomas L., and H. A. Wahlert, assignors to The American Brake Company, St. Louis, Mo. Brake-rigging for articulated trucks. No. 1,271,538; July 9; v. 252; p. 253.
Burton, William. (See Myers, Melvin A., assignor.)
Burton, William C. (See Long and Burton.)
Burtt, Frank, assignor to W. L. Fitzgerald and A. Ten Busschen, Kalamazoo, Mich. Universal joint. No. 1,256,871; Feb. 19; v. 247; p. 591.
Bury, Absalom C., *et al.* (See Hammer, Louis, assignor.)
Busby, Alvin C., Ellensburg, Wash. Hobby-horse. No. 1,266,400; May 14; v. 250; p. 449.
Busch, Barney L., Chicago, Ill. Lighting system for automobiles. No. 1,253,142; Jan. 8; v. 246; p. 528.
Busch, Conrad J., Wyomissing, Pa. Fountain-brush. No. 1,253,934; Jan. 15; v. 246; p. 785.
Busch, Frederic C., assignor to Bardons and Oliver, Cleveland, Ohio. Chucking device. No. 1,265,606; May 7; v. 250; p. 199.
Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Cork article and method of making same. No. 1,263,849; Apr. 23; v. 249; p. 880.
Busch, Herman F., Millvale, assignor to Armstrong Cork Co., Pittsburgh, Pa. Spinning and drawing roll for textile operations. No. 1,269,682; June 18; v. 251; p. 501.
Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Making insoles for shoes. No. 1,279,980; Sept. 24; v. 254; p. 802.
Busch-Sulzer Bros.-Diesel Engine Co. (See Schlaepfer, Robert, assignor.)
Busch-Sulzer Bros.-Diesel Engine Company. (See Bie, Albert, assignor.)
Busch-Sulzer Bros.-Diesel Engine Company. (See Büchi, Alfred, assignor.)
Busch-Sulzer Bros.-Diesel Engine Company. (See Dietze, Carl, assignor.)
Busch-Sulzer Bros.-Diesel Engine Company. (See Furrer, Rudolf A., assignor.)
Busch-Sulzer Bros.-Diesel Engine Company. (See Hentschke, Paul, assignor.)
Busch-Sulzer Bros.-Diesel Engine Company. (See Verhey, Hubert C., assignor.)
Buscher, Edna E., Indianapolis, Ind. Apparatus for purifying water. No. 1,276,025; Aug. 20; v. 253; p. 526.
Buschmann, William, Jr. (See Schuler and Busch-Dec. 3; v. 257; p. 10.
Busenbenz, Jacob J., Grand Rapids, Mich., assignor to Differential Clock Company, Chicago, Ill. Clock. No. 1,256,872; Feb. 19; v. 247; p. 591.
Bush, Alfred W., Coronado, Cal. Fountain-pen cap. No. 1,271,430; July 2; v. 252; p. 188.
Bush, Charles A., assignor to Oshkosh Manufacturing Company, Oshkosh, Wis. Mixing-machine. No. 1,268,093; June 4; v. 251; p. 7.
Bush, Dorothy. (See Bush, Eugene and D.)
Bush, Eugene and D., Washington, D. C. Valve construction. No. 1,265,170; May 7; v. 250; p. 82.
Bush, Hazel B., Redlands, Cal. Pole-support. No. 1,261,761; Apr. 9; v. 249; p. 250.
Bush, Le Grand C., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Interlocking door system. No. 1,270,264; June 25; v. 251; p. 684.
Bush, Orrin D. (See Sjolander and Bush.)
Bush, Paul H. (See Nyary, Anthony, assignor.)
Bushager, Joseph, Cameron, W. Va. Pressure-regulator. No. 1,285,026; Nov. 19; v. 256; p. 478.
Bushby, David, Keddleston, Saskatchewan, Canada. Stooking-machine. No. 1,254,202; Jan. 22; v. 246; p. 882.
Bushey, Eli J., New York, N. Y. Gas-moistening apparatus. No. 1,275,379; Aug. 13; v. 253; p. 317.
Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electric interlocking system for railways. No. 1,283,069; Oct. 29; v. 255; p. 934.
Bushong, Eugene M., *et al.* (See Boyer, George F., assignor.)
Buss, Wendell R., Holland, Mich. Motor-drive for shapers. No. 1,275,215; Aug. 13; v. 253; p. 271.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-shoe key-lock. No. 1,275,380; Aug. 13; v. 253; p. 317.
Bussell, Charles B., Seattle, Wash. Weed-puller. No. 1,262,170; Apr. 9; v. 249; p. 363.
Bussler, Thomas O., Wheelersburg, Ohio. Rail-lifting tool. No. 1,285,926; Nov. 26; v. 256; p. 743.

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Butchart, William A., Denver, Colo. Liquid-feeding device. No. 1,256,516; Feb. 19; v. 247; p. 487.
Butcher, Alfred, Philadelphia, Pa. Carbon-dioxid analyzer. No. 1,285,927; Nov. 26; v. 256; p. 743.
Butcher, Arthur L. (See Kistler and Butcher.)
Butcher, Elmer E., Interlaken, N. J., assignor to Marconi Wireless Telegraph Company of America. Means for detecting electrical oscillations. No. 1,257,672; Feb. 26; v. 247; p. 860.
Butcher, Elmer E., Interlaken, N. J., assignor to Marconi Wireless Telegraph Company of America. Apparatus for receiving electrical oscillations. No. 1,263,204; Apr. 16; v. 249; p. 684.
Butcher, James M., assignor to W. L. Rohrer, Chicago, Ill. Alarm. No. 1,287,871; Dec. 17; v. 257; p. 483.
Butcher, Joseph, Brooklyn, N. Y. Combined receptacle and foot-rest. No. 1,252,775; Jan. 8; v. 246; p. 420.
Butcher, Lowell R., Holstein, Iowa. Stock drinking-fountain. No. 1,269,048; June 11; v. 251; p. 294.
Butcher, Robert L. (See Rodocker and Butcher.)
Butcher, William L., Bringhurst, Ind. Fence. No. 1,254,653; Jan. 29; v. 246; p. 1040.
Butcher, William L., Bringhurst, Ind. Fence. No. 1,276,718; Aug. 27; v. 253; p. 757.
Butkus, John A., deceased, and H. T. Gay, Baltimore; A. F. Schoen and J. W. Darley, administrators, assignors of two-fifths to A. F. Schoen and J. W. Darley, one-fifth to said Gay, seven-twentieths to A. Kreatschmann, Morrell Park, and one-twentieth to W. J. Wisch, Baltimore, Md. Car-coupling. No. 1,289,646; Dec. 31; v. 257; p. 968.
Butler Company, The. (See Powers, George A., assignor.)
Butler, David H., assignor to The Inlaid Company, Inc., Providence, R. I. Picture-securing device. No. 1,269,382; June 11; v. 251; p. 388.
Butler, David H., assignor to The Inlaid Company, Inc., Providence, R. I. Tatting-shuttle. No. 1,272,210; July 9; v. 252; p. 442.
Butler, E. (See McFall, Patrick W., assignor.)
Butler, Ernest A., and W. A. Nichols, Toronto, Ontario, Canada. Leveling device. No. 1,254,574; Jan. 22; v. 246; p. 989.
Butler, Ernest J. (See Butler, Harry, assignor.)
Butler, George P., Lebanon, N. H. Sign-post. No. 1,275,125; Aug. 6; v. 253; p. 221.
Butler, Harry, assignor of one-half to E. J. Butler, Waterville, Me. Spike-puller. No. 1,257,184; Feb. 19; v. 247; p. 681.
Butler, Harry J., V. J. Stevens, and M. D. Walsh, Maple Park, Ill. Vehicle-jack. No. 1,275,381; Aug. 13; v. 253; p. 318.
Butler, Helen M., Milton, Pa. Tire-armor. No. 1,252,394; Jan. 8; v. 246; p. 309.
Butler, James A., Wollaston, Mass., assignor, by mesne assignments, to American Felt Company. Lap counter or indicator. No. 1,287,872; Dec. 17; v. 257; p. 483.
Butler, James L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Chuck. No. 1,285,928; Nov. 26; v. 256; p. 744.
Butler, John J., Norfolk, Va. Range-boiler. No. 1,258,184; Mar. 5; v. 248; p. 68.
Butler, Joseph C., Pomona, Cal. Water circulating and cooling pump. No. 1,274,678; Aug. 6; v. 253; p. 97.
Butler, Oran G., St. Louis, Mo. Window-shade hanger. No. 1,265,299; May 7; v. 250; p. 117.
Butler, Otis D., Independence, Oreg. Medical-liquid-deliverer attachment for water-pipes of bath-tubs. No. 1,264,772; Apr. 30; v. 249; p. 1167.
Butler, Perl H., Weatogue, Conn. Cooking utensil. No. 1,268,677; June 4; v. 251; p. 172.
Butler Serving Machine Company. (See Straight, Bennett D., assignor.)
Butler, Smedley D., West Chester, assignor of one-half to P. Abrams, Philadelphia, Pa. Infantry-fire control rule or scale. No. 1,277,191; Aug. 27; v. 253; p. 883.
Butler, Theodore, Detroit, Mich. Shoe-fastener. No. 1,276,026; Aug. 20; v. 253; p. 526.
Butler, Walter H., Douglasville, Ga. Guard for drinking-glasses. No. 1,269,902; June 18; v. 251; p. 563.
Butler, Wilbert P., Denton, Md. Ridger. No. 1,252,658; Jan. 8; v. 246; p. 386.
Butler, William N., Prairie Grove, Ark. Lock. No. 1,265,424; May 7; v. 250; p. 152.
Butler, William P. (See Baur, Hugo J., assignor.)
Butler, William P. (See Johnson, Jay M., assignor.)
Butt, John P., Jr. (See Linn and Butt.)
Butter Serving Machine Company. (See Straight, Bennett D., assignor.)
Buttermann, Garry G. (See Buttermann, Henry, Jr., and G. G.)
Buttermann, Henry, Jr., and G. G., Louisville, Ky. Heat-insulating material. No. 1,264,009; Apr. 23; v. 249; p. 925.
Butters-Camp Mfg. Co., The. (See Butters, Robert H., assignor.)
Butters, Robert H., Atlanta, Ga., assignor to The Butters-Camp Mfg. Co. Method of forming or renewing gin or linter saw teeth. No. 1,277,375; Sept. 3; v. 254; p. 11.
Butterworth, Frank, London, England. Screen for cinematographic projection. No. 1,251,961; Jan. 1; v. 246; p. 153.
Butterworth, Samuel, Everett, Mass. Cutting-nippers. No. 1,278,849; Sept. 17; v. 254; p. 465.
Butterworth, William H., Trenton, N. J. Threshing-machine. No. 1,257,802; Feb. 26; v. 247; p. 899.
Butterworth, William H., Trenton, N. J. Concave for threshing-machines. No. 1,259,954; Mar. 19; v. 248; p. 650.
Buttler, Willard M. (See Thie and Buttler.)
Buttolph, Leon T., Bucklin, Kans. Gate-fastener. No. 1,288,825; Dec. 24; v. 257; p. 742.
Button, Frank R., assignor of one-half to G. W. Dunn, Scranton, Pa. Hoof-pad. No. 1,273,731; July 23; v. 252; p. 912.
Button, William S., Riverside, Cal. Canteen-mouthpiece. No. 1,270,692; June 25; v. 251; p. 801.
Buttonlath Manufacturing Company. (See Farnum, Loring N., assignor.)
Butts, Daniel G., assignor to Ivory Garter Company, New Orleans, La. Fastener for garment-supporters. No. 1,263,741; Apr. 23; v. 249; p. 849.
Butts, Daniel G., assignor to Ivory Garter Company, New Orleans, La. Garment-supporter. No. 1,285,027; Nov. 19; v. 256; p. 479.
Butz, Charles P. (See Baumann and Butz.)
Butzow, Henry G., Sycamore, Ill. Dust-cap for valve-stems. No. 1,252,085; Jan. 1; v. 246; p. 189.
Buxton, Francis E., Indianapolis, Ind. Journal-bearing. No. 1,260,635; Mar. 26; v. 248; p. 880.
Buxton, Fred M., assignor to Woonsocket Machine & Press Company, Woonsocket, R. I. Top roll. No. 1,258,868; Mar. 12; v. 248; p. 306.
Buxton, Gustavus T., and S. A. Abbey, Charlotte, N. C. Filter-screen. No. 1,254,025; Jan. 22; v. 246; p. 832.
Buxton, Warner R., Springfield, Mass. Key-case. No. 1,261,692; Apr. 2; v. 249; p. 199.
Buxton, Warner R., Springfield, Mass. Tobacco-pouch. No. 1,262,634; Apr. 16; v. 249; p. 521.
By-Products Manufacturing Company. (See Ruff, Frederick C., assignor.)
Byam, Norton H., administrator. (See Ristine and Rowell.)
Byars, Ben J., *et al.* (See Biggers, Lee P., assignor.)
Bybee, William E. (See Johnson and Bybee.)
Bye, Andrew, Butte, Mont. Hinge for casement-windows. No. 1,268,678; June 4; v. 251; p. 172.
Bye, Edwin A. (See Mayer and Bye.)
Bye, Joseph K., *et al.* (See Hines, James F., assignor.)
Bye, Mortimer, Indianapolis, Ind. Sterilizer for thermometers or similar instruments. No. 1,282,749; Oct. 29; v. 255; p. 845.
Byer, John D., Butte, Mont. Match-dispenser. No. 1,289,112; Dec. 31; v. 257; p. 836.
Byers, Andrew N., Gotebo, Okla. Harvester. No. 1,255,982; Feb. 12; v. 247; p. 293.
Bygrave, Leonard C., assignor to The Relay Automatic Telephone Company, Limited, London, England. Means for connecting electric lines. No. 1,269,903; June 18; v. 251; p. 563.
Bylander, David M., Lake Wilson, Minn. Strainer. No. 1,284,587; Nov. 12; v. 256; p. 327.
Bynum, Hugh R., Clarksdale, Miss. Water-heater. No. 1,265,171; May 7; v. 250; p. 83.
Bynum, Robert M. (See Miller, Edwin F., assignor.)
Byram, Price T. (See Hougendougler, Daniel, assignor.)
Byrd, Atvill, Kansas City, Mo. Stock-tag. No. 1,282,750; Oct. 29; v. 255; p. 845.
Byrd, Britton E., Durham, N. C. Knotter. No. 1,259,955; Mar. 19; v. 248; p. 650.
Byrd, Britton E., Durham, N. C. Registering attachment for syrup-dispensers. No. 1,280,658; Oct. 8; v. 255; p. 176.
Byrd, Britton E., assignor to Mill Devices Company, Durham, N. C. Machine for making and packing cigarette-wrappers. No. 1,274,510; Aug. 6; v. 253; p. 48.
Byrd, Britton E., assignor to Mills Devices Company, Durham, N. C. Knotter. No. 1,282,041; Oct. 22; v. 255; p. 624.
Byrd, Gordon W., Mena, Ark. Tobacco-can. No. 1,277,846; Sept. 3; v. 254; p. 143.
Byrd, John H. (See Marqua, Von Unwerth, and Byrd.)
Byrd, Joseph E., Mount Olive, N. C. Receptacle. No. 1,259,208; Mar. 12; v. 248; p. 403.
Byrd, Joseph E., Mount Olive, N. C. Receptacle. No. 1,268,321; June 4; v. 251; p. 72.
Byrd, Robert E., assignor to Modern Tool Company, Erie, Pa. Measuring instrument. No. 1,286,224; 1,286,527; Dec. 3; v. 257; p. 85.
Byrd, Sol. (See Byrd, Verol H., assignor.)
Byrd, Verol H., Warrior, Ala., assignor of one-half to S. Byrd, Hickory, Ky. Invalid's bed. No. 1,274,851; Aug. 6; v. 253; p. 146.
Byrne, David, assignor of one-third to W. M. Gore and one-third to C. T. Lawton, Toledo, Ohio. Combination terminal and fixture box. No. 1,265,879; May 14; v. 250; p. 307.
Byrne, Matthew D., Waterbury, Conn. Traction-shoe. No. 1,252,997; Jan. 8; v. 246; p. 485.
Byrne, Thomas W., Boston, Mass. Making electric batteries. No. 1,259,485; Mar. 19; v. 248; p. 514.
Byrne, Thomas W., Boston, Mass. Electrical ground. No. 1,266,209; May 14; v. 250; p. 400.

Byrnes, Clarence P., Sewickley, Pa. Apparatus for making vacuum-bottle blanks. No. 1,266,401; May 14; v. 250; p. 450.
Byrns, Brownlow. (See Bryant, Clarance R., assignor.)
Byrns, D. B. (See Bryant, Clarance R., assignor.)
Byron Jackson Iron Works. (See Keating and Schorr, assignors.)
Byron Jackson Iron Works. (See Paulsmeier, Albert C., assignor.)
Byron, Kenneth M., assignor to Byron Typewriter Cabinet Company, Mount Clemens, Mich. Type-writer cabinet. No. 1,285,612; Nov. 26; v. 256; p. 664.
Byron, Orra E., Detroit, Mich., assignor to S. A. Griggs, Walkerville, Ontario, Canada. Trailer. No. 1,284,588; Nov. 12; v. 256; p. 327.
Byron, Tom, *et al.* (See Humphries, William L., assignor.)
Byron Typewriter Cabinet Company. (See Byron, Kenneth M., assignor.)
Byshe, Ernest T. (See Ashley and Byshe.)
Bystrom, John, Chicago, Ill. Loose-leaf binder. No. 1,270,246; June 18; v. 251; p. 653.
Bystrom, John, assignor to E. L. Krag, Chicago, Ill. Loose-leaf binder. No. 1,257,803; Feb. 26; v. 247; p. 899.
Bythiner, William W., and F. Montague, Philadelphia, Pa. Vent-box. No. 1,286,935; Dec. 10; v. 257; p. 218.
C. Cowles & Co. (See Goodman, Joseph, assignor.)
C. A. Libby Company. (See Rasmussen, Robert F., assignor.)
C. A. Nelson Co. (See Nelson, Charles A., assignor.)
C. A. Vanderwell and Company, Limited. (See Midgley, Albert H., assignor.)
C. B. Cottrell & Sons Company. (See Barber, Howard M., assignor.)
C. C. Blake, Incorporated. (See Blake, Charles C., assignor.)
C. C. Blake, Incorporated. (See Fernald, Mark E., assignor.)
C. C. Blake, Incorporated. (See Foster, Edward E., assignor.)
C. & C. Electric & Manufacturing Company. (See Callahan and Raynor, assignors.)
C. & C. Electric & Manufacturing Company. (See Cravens, George W., assignor.)
C. & C. Electric and Manufacturing Company. (See Florandin and Bennett, assignors.)
C. C. Fouts Company, The. (See Fouts, Calvin C., assignor.)
C. F. Massey Company. (See Burns, Howard E., assignor.)
C. M. Hall Lamp Company. (See Anklam, William F., assignor.)
C. F. Pease Company, The. (See Pease, Charles F., assignor.)
C. G. Sargent's Sons Corporation. (See Sargent, Frederick G., assignor.)
C. G. Sargent's Sons Corporation. (See Furbush and Cilley, assignors.)
C. H. Wheeler Manufacturing Company. (See Kothny and Suczek, assignors.)
C. H. Wheeler Manufacturing Company. (See Suczek, Robert, assignor.)
C. H. & E. Manufacturing Company. (See Longenecker, Charles I., assignor.)
C. J. Bates & Son. (See Watrous, William R., assignor.)
C. J. Tagliabue Manufacturing Company. (See Tagliabue, Charles J., assignor.)
C. J. Tagliabue Manufacturing Company. (See Chapman, Cloyd M., assignor.)
C. J. White Mfg. Co., The. (See North, James S., assignor.)
C. J. Van Houten & Zoon. (See Grothe, Wilhelm G., assignors.)
C. M. Hall Lamp Company. (See Anklam, William F., assignor.)
C. O. Bartlett & Snow Company, The. (See Dupuy, Arthur O., assignor.)
C. & P. Electric Works. (See Curtis, Henry H., assignor.)
C. W. H. Moulton Company. (See Goldthwait, Carl E., assignor.)
Cabana, Charles, Buffalo, N. Y. Ball-and-socket joint for toys. No. 1,270,781; July 2; v. 252; p. 7.
Cabana, Charles, Buffalo, N. Y. Ball-and-socket joint. No 1,289,385; Dec. 31; v. 257; p. 904.
Cabelinsky, Julius L., Boston, Mass. Guard for machine-tables. No. 1,282,376; Oct. 22; v. 255; p. 716.
Cable, Clarence H., Topeka, Kans., and E. W. Jones, Kansas City, Mo. Battery-grid. No. 1,267,846; May 28; v. 250; p. 912.
Cable Company, The. (See Klugh, Paul B., assignor.)
Cabot, Godfrey L. (See Crommett, Charles F., assignor.)
Cabot, Godfrey L., Boston, Mass. Launching mechanism for aircraft. No. 1,272,211; July 9; v. 252; p. 442.
Cabral, Jesse L., Brockton, Mass. Screen-frame. No. 1,285,613; Nov. 26; v. 256; p. 664.
Cac, John, Philadelphia, Pa. Automobile. No. 1,254,575; Jan. 22; v. 246; p. 989.
Cadden, Charles C. (See Bigelow, Cadden, and Rehak.)
Cade, Baylus, assignor to Cade Manufacturing Company, Shelby, N. C. Line composing and casting machine. No. 1,257,185; Feb. 19; v. 247; p. 681.
Cade, Jack. (See Cade, James W. and J.)
Cade, James W. and J., Mount Carmel, S. C. Motor-vehicle jack. No. 1,252,395; Jan. 8; v. 246; p. 309.
Cade Manufacturing Company. (See Cade, Baylus, assignor.)
Cadenhead, Rena L., Georgetown, Ga. Burglar-alarm. No. 1,255,707; Feb. 5; v. 247; p. 171.
Cadet, Georges, Paris, and F. C. L. Delattre, Parc de St. Maur, France. Rotary printing-machine. No. 1,271,525; July 2; v. 252; p. 215.
Cadigan, John E., New York, N. Y. Safety attachment for gas-stoves. No. 1,271,539; July 9; v. 252; p. 253.
Cadillac Motor Car Company. (See Anibal, Benjamin H., assignor.)
Cadillac Motor Car Company. (See Johnson, Chester F., assignor.)
Cadillac Motor Car Company. (See Johnson, Frank, assignor.)
Cadillac Motor Car Company. (See Keys, Walter C., assignor.)
Cadillac Motor Car Company. (See Kiehler, Frederick, assignor.)
Cadillac Motor Car Company. (See Parker, Clark W., assignor.)
Cadillac Motor Car Company. (See Schwarze, Herman G. C., assignor.)
Cadillac Motor Car Company. (See Waldon, Sidney D., assignor.)
Cadillac Motor Car Company. (See White, D'Orsay M., assignor.)
Cadman, Addi B., Beloit, assignor, by mesne assignments, to Warner Manufacturing Company, South Beloit, Ill. Means for transporting poles or the like. No. 1,255,384; Feb. 5; v. 247; p. 79.
Cadman, Addi B., Beloit, Wis., assignor, by mesne assignments, to Warner Manufacturing Company, South Beloit, Ill. Automobile-trailer. No. 1,285,929; Nov. 26; v. 256; p. 744.
Cadman, Addi B., Beloit, Wis., assignor, by mesne assignments, to Warner Manufacturing Company, South Beloit, Ill. Camping-vehicle. No. 1,285,930; Nov. 26; v. 256; p. 745.
Cadwallader, George A. (See Bailey, Walter F., assignor.)
Cadwallader, Harry, Jr., Philadelphia, Pa. Machine-bolt. No. 1,282,538; Oct. 22; v. 255; p. 759.
Cady, Elisha J., Chicago, Ill. Saturation of porous fabrics. No. 1,268,430; June 4; v. 251; p. 103.
Cady, Elisha J., Oak Park, Ill. Machine for saturating stock. No. 1,275,216; Aug. 13; v. 253; p. 271.
Cady, Henry C., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,269,383; June 11; v. 251; p. 388.
Cady, Herbert B., Groton, Conn., assignor to Electric Boat Company. Valve for submarine boats. No. 1,285,931; Nov. 26; v. 256; p. 745.
Cady, Silas J., Dallas, Tex. Photography exposure-meter. No. 1,262,635; Apr. 16; v. 249; p. 521.
Cady, William M. (See Turner and Cady.)
Cady, William M., Edgewood Park, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined nut-lock and swab-holder. No. 1,266,662; May 21; v. 250; p. 554.
Caen, George, Sr., assignor to E. Northrup, San Antonio, Tex. Filter. No. 1,284,233; Nov. 12; v. 256; p. 237.
Caen, George, Sr., San Antonio, Tex. Gasolene and oil filter. No. 1,268,431; June 4; v. 251; p. 103.
Cage, John M., assignor, by mesne assignments, to L. A. Submarine Boat Company, Long Beach, Cal. Steering and propulsion for submarines. No. 1,281,132; Oct. 8; v. 255; p. 306.
Caglieri, Guido E., San Francisco, and H. Murray, Ross, Cal.; said Murray assignor to said Caglieri. Automatic controller. No. 1,276,869; Aug. 27; v. 253; p. 796.
Cagnino, Pasqualino, Newark, N. J. Drip device for sewing-machines. No. 1,261,358; Apr. 2; v. 249; p. 105.
Cagle, George M., Tulsa, Okla. Rotary scale. No. 1,257,186; Feb. 19; v. 247; p. 682.
Cagle, Travis J., Gaffney, S. C. Collapsible poultry-coop. No. 1,260,141; Mar. 19; v. 248; p. 700.
Cahill, Anthony M., Highwood, Conn. Tire-pump. No. 1,288,826; Dec. 24; v. 257; p. 742.
Cahill, Charles T., Boston, Mass. Safety spark-arrester. No. 1,289,386; Dec. 31; v. 257; p. 904.
Cahill, Edward M., Emington, Ill. Railway-tie. No. 1,261,762; Apr. 9; v. 249; p. 250.
Cahill, Thomas J., Corpus Christi, assignor of one-half to R. Driscoll, Driscoll, Tex. Flush-valve. No. 1,262,443; Apr. 9; v. 249; p. 438.
Cahill, Thomas N., and J. T. Turner, Round Mountain, Nev. Non-refillable bottle. No. 1,287,873; Dec. 17; v. 257; p. 483.
Cahall, William H., Racine, Wis. Boiler. No. 1,268,679; June 4; v. 251; p. 173.
Cahn, Elias, New York, N. Y. Coffer-dam. No. 1,277,847; Sept. 3; v. 254; p. 143.
Cahow, Ervin, Tampa, Fla. Liquid-heater. No. 1,288,380; Dec. 17; v. 257; p. 606.
Cahusac, Clarence N., Jersey City, N. J., assignor to Slocum, Avram & Slocum, New York, N. Y. Electric counter. No. 1,273,820; July 30; v. 252; p. 974.

Alphabetical list of patentees—Continued.

Cahusac, Clarence N., Jersey City, N. J., assignor to Slocum, Avram & Slocum, Inc., New York, N. Y. Electro-mechanical switch. No. 1,283,466; Nov. 5; v. 256; p. 7.
Calgan, William. (See Rosnick and Calgan.)
Cailleteau, Fernand. (See Biscayart and Cailleteau.)
Cailleteau, Fernand. (See Biscayart, Jules D., assignor.)
Cailleteau, Fernand, Atlanta, Ga. Safety-razor. No. 1,288,827; Dec. 24; v. 257; p. 743.
Caillouette, August H., Nashville, Tenn. Oil-burner. No. 1,269,258; June 11; v. 251; p. 354.
Cain, James P., Sinton, Tex. Fastener for cotton-bale bands. No. 1,278,434; Sept. 10; v. 254; p. 322.
Cain, John J., Bayonne, N. J. Piston-ring. No. 1,263,850; Apr. 23; v. 249; p. 880.
Cain, John J., Bayonne, N. J. Boiler. No. 1,263,851; Apr. 23; v. 249; p. 880.
Cain, John W., Chicago, Ill. Wiper for automobile windshields and the like. No. 1,289,647; Dec. 31; v. 257; p. 969.
Cain, William H., Los Angeles, Cal. Gas-burner. No. 1,279,250; Sept. 17; v. 254; p. 572.
Calabro, Peter, Arlington, N. J. Gas-engine. No. 1,271,431; July 2; v. 252; p. 189.
Calahan, John F., assignor of one-half to H. B. Perdew, Los Angeles, Cal. Stay-machine. No. 1,272,773; July 16; v. 252; p. 628.
Caldbeck, Wendell H., Des Moines, Iowa. Toy submarine. No. 1,274,238; July 30; v. 252; p. 1093.
Calder, George, assignor to Educo Company, Spokane, Wash. Book-rack. No. 1,285,932; Nov. 26; v. 256; p. 745.
Calder, Thomas K. (See Northrup and Calder.)
Calderio, Edward, Garfield, assignor of one-half to E. H. Whittier, Passaic, N. J. Automatic blower attachment for punch-presses. No. 1,279,981; Sept. 24; v. 254; p. 802.
Calderwood, John M., Spanish Fork, Utah. Drill-holder. No. 1,273,733; July 23; v. 252; p. 912.
Caldes, Constantine, Jersey City, N. J. Spool-carrying device. No. 1,264,773; Apr. 30; v. 249; p. 1167.
Caldwell, Arad K. (See Reynolds, Everett, assignor.)
Caldwell, Charles A., Jackson, assignor of one-third to F. E. Renck and one-third to O. D. Caldwell, Detroit, Mich. Fireproof sole for shoes. No. 1,285,933; Nov. 26; v. 256; p. 746.
Caldwell, Edwin M., Edgewood, assignor to Davol Rubber Company, Providence, R. I. Nursing-nipple. No. 1,270,693; June 25; v. 251; p. 801.
Caldwell, Frank, Cincinnati, Ohio. Valve for gasolene and other liquid fuels. No. 1,253,143; Jan. 8; v. 246; p. 528.
Caldwell, John C., Miami, Fla. Power-transmitting mechanism. No. 1,261,693; Apr. 2; v. 249; p. 199.
Caldwell, John O., Jr., Boston, Mass. Safety-grip. No. 1,275,217; Aug. 13; v. 253; p. 272.
Caldwell, John T., Menan, Idaho. Washboard-holder. No. 1,251,861; Jan. 1; v. 246; p. 127.
Caldwell Manufacturing Company. (See Bennett, William, assignor.)
Caldwell, Oscar D., *et al.* (See Caldwell, Charles A., assignor.)
Caldwell, Sanford. (See Harris, Albert, assignor.)
Caldwell, William J. (See Tanquary and Caldwell.)
Caldwell, William K., Philadelphia, Pa. Machine for repeating pattern-cards. No. 1,254,470; Jan. 22; v. 246; p. 958.
Caley, Garfield H., assignor of one-third to H. J. Hembrook, Waterford, Wis. Corn-shock-loading machine. No. 1,254,203; Jan. 22; v. 246; p. 883.
Caley, Garfield H., assignor of one-third to H. J. Hembrook, Waterford, Wis. Corn-shock sling. No. 1,257,458; Feb. 26; v. 247; p. 796.
Calgaro, Fioravante L., Claridge, Pa. Submarine-catching net. No. 1,251,748; Jan. 1; v. 246; p. 92.
Calhoun, John W., Chester, Pa. Meter-box cover. No. 1,280,388; Oct. 1; v. 255; p. 76.
California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)
California Growers Association. (See Campbell, Joseph A. and V. O., assignors.)
California Packing Corporation. (See Fraser, George L., assignor.)
California Range Finder Company. (See Hanks, John G., assignor.)
California Walnut Growers Association. (See Hayes and Rupp, assignors.)
Calkins, Almon B., assignor of one-third to D. H. McFalls and one-third to T. E. Iredale, White Plains, N. Y. Internal-combustion engine. No. 1,273,029; July 16; v. 252; p. 699.
Calkins, Charles H., Ludlow, Mass., assignor to Baush Machine Tool Company. Machine for grinding worm-threads. No. 1,275,218; Aug. 13; v. 253; p. 272.
Calkins, James M., Oakland, Cal. Dirigible lighting apparatus for motor-vehicles. No. 1,284,874; Nov. 12; v. 256; p. 401.
Callaghan, Robert, Philadelphia, Pa. Signal device. No. 1,265,425; May 7; v. 250; p. 152.
Callahan, Charles J., Attleboro, assignor to Freeman-Daughaday Co., Chartley, Mass. Snap-hook. No. 1,275,842; Aug. 13; v. 253; p. 444.
Callahan, Oscar L., Carterville, Ill. Fuel-economizing device. No. 1,285,028; Nov. 19; v. 256; p. 479.
Callahan, William L., Garwood, and J. W. Raynor, Plainfield, N. J., assignors to C. & C. Electric & Manufacturing Company. Automatic welding-machine. No. 1,262,749; Apr. 16; v. 249; p. 554.
Callan, John G., Madison, Wis., assignor, by mesne assignments, to C. Hutchins, D. R. Sortwell, and E. Farley, trustees, Boston, Mass. Flow-controlling apparatus. No. 1,272,212; July 9; v. 252; p. 442.
Callan, William H., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Apparatus for unloading compressors. No. 1,274,383; Aug. 6; v. 253; p. 10.
Callan, William H., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Unloading mechanism for compressors. No. 1,275,843; Aug. 13; v. 253; p. 445.
Callanan, James T. (See Miller, Frank L., assignor.)
Callender, Wallace V., Chicago, Ill. Attachment for ladies' hats. No. 1,275,219; Aug. 13; v. 253; p. 272.
Callender, Wallace V., Chicago, Ill. Device for removing crusts from pipes. No. 1,283,070; Oct. 29; v. 255; p. 934.
Callenders Cable & Construction Company Limited *et al.* (See Watson, John F., assignor.)
Calles, Andres. (See Mazon and Calles.)
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Bottle filling and sealing machine. No. 1,252,881; Jan. 8; v. 246; p. 448.
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Bottle-sealing machine. No. 1,260,965; Mar. 26; v. 248; p. 970.
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Dwell-motion mechanism. No. 1,264,269; Apr. 30; v. 249; p. 1029.
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Bottle-capping machine. No. 1,275,220; Aug. 13; v. 253; p. 273.
Calleson, Amos, assignor to Adriance Machine Works, Brooklyn, N. Y. Bottle filling and sealing machine. No. 1,285,029; Nov. 19; v. 256; p. 479.
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Machine for making articles of sheet metal. No. 1,289,387; Dec. 31; v. 257; p. 905.
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Machine for operating on tubular articles. No. 1,289,388; Dec. 31; v. 257; p. 905.
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Machine for operating on tubular articles. No. 1,289,389; Dec. 31; v. 257; p. 905.
Calleson, Amos, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Machine for operating on tubular articles. No. 1,289,390; Dec. 31; v. 257; p. 906.
Calleson, Amos, assignor to B. Adriance, Brooklyn, N. Y. Bottle-sealing machine. No. 1,260,964; Mar. 26; v. 248; p. 970.
Callicott, John, Toronto, Ontario, Canada. Check-valve. No. 1,279,511; Sept. 24; v. 254; p. 667.
Callison, Spurgeon, Cresco, Iowa. Pencil and pen clip. No. 1,285,030; Nov. 19; v. 256; p. 479.
Callon, Frank T., Indianapolis, Ind. Automatic cut-off valve for gasolene-engines. No. 1,262,013; Apr. 9; v. 249; p. 319.
Callow, Bessie R., Salt Lake City, Utah. Coin-envelop. No. 1,259,209; Mar. 12; v. 248; p. 403.
Callow, John M., Salt Lake City, Utah, assignor to Metals Recovery Company, Augusta, Me. Ore-concentrating apparatus. No. 1,253,935; Jan. 15; v. 246; p. 786.
Callow, John M., Salt Lake City, Utah, assignor to Metals Recovery Company, Augusta, Me. Process of and apparatus for concentrating ores. No. 1,258,869; Mar. 12; v. 248; p. 307.
Callow, John M., Salt Lake City, Utah, assignor to Metals Recovery Company, Augusta, Me. Concentrating ores. No. 1,269,157; June 11; v. 251; p. 324.
Callsen, Jurgen, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Bromodiethylacetylurethanes. No. 1,256,293; Feb. 12; v. 247; p. 385.
Calta, James W. (See Hazemhyer, William D., assignor.)
Calta, Mary C., Cleveland, Ohio. Fish-scraper. No. 1,263,526; Apr. 23; v. 249; p. 794.
Calthrop, Everard R., London, England. Parachute. No. 1,263,372; Apr. 23; v. 249; p. 749.
Calthrop, Everard R., London, England. Parachute-launching device. No. 1,274,679; Aug. 6; v. 253; p. 97.
Calthrop, Everard R., London, and F. G. Lynde, Belvedere, assignors to The Vibrocel Company Limited, London, England. Construction of tanks, reservoirs, and the like. No. 1,252,547; Jan. 8; v. 246; p. 354.
Calton, William T. K., London, England. Fountain-pen. No. 1,257,804; Feb. 26; v. 247; p. 899.
Calusinski, Edward, Chicago, Ill. Umbrella. No. 1,264,010; Apr. 23; v. 249; p. 925.
Calvert, Abraham L., Welland, Ontario, Canada. High-pressure valve. No. 1,274,680; Aug. 6; v. 253; p. 97.
Calvert, Cora H., executrix. (See Calvert, Thomas E.)
Calvert, Sebastian L., Augusta, Kans. Vacuum fluid-circulating system. No. 1,257,805; Feb. 26; v. 247; p. 900.

Alphabetical list of patentees—Continued.

Calvert, Thomas E., deceased, Chicago, Ill.; C. H. Calvert, executrix. Splice-bar for railway-rails. No. 1,280,390; Oct. 1; v. 255; p. 77.
Calvert, Thomas E., deceased, Chicago, Ill.; C. H. Calvert, executrix, assignor to The P. & M. Company, Chicago, Ill. Rail-anchor. No. 1,280,389; Oct. 1; v. 255; p. 76.
Calvin, Elmer P., Sardinia, O. Demountable rim. No. 1,272,213; July 9; v. 252; p. 442.
Camatta, Frank J., Tonasket, Wash. Electric-circuit-controlling switch. No. 1,267,181; May 21; v. 250; p. 700.
Cambrian Artificial Limb Company. (See Kenney, Nehemiah J. H., assignor.)
Cambridge, Alonzo C., Charleston, S. C. Parachute attachment for flying-machines. No. 1,267,847; May 28; v. 250; p. 913.
Cambridge, George H., Parkersburg, Pa. Pedal mechanism No. 1,260,323; Mar. 26; v. 248; p. 787.
Cambridge Novelty Company. (See Lightbody, Frank J., assignor.)
Cambridge Reversible Life Float. (See Flynn, Edmund T., assignor.)
Camden, Eustus, assignor of one-fourth to W. A. Parker and one-fourth to L. E. Wyman, Oklahoma, Okla. Cooling system for internal-combustion engines. No. 1,284,177; Nov. 5; v. 256; p. 195.
Camden Iron Works. (See Lindsay, William J., assignor.)
Camel Company. (See Hartough, Edward W., assignor.)
Cameragraph Company, The. (See Schwab, William R., assignor.)
Cameron, Duncan, Edinburgh, Scotland. Fountain or reservoir pen. No. 1,277,848; Sept. 3; v. 254; p. 143.
Cameron, Duncan, assignor of one-third to W. J. Jackson, and one-third to J. N. Conro, White Sulphur Springs, Mont. Resilient wheel. No. 1,252,086; Jan. 1; v. 246; p. 189.
Cameron, Frank K., Washington, D. C. Treating phosphoric-acid solutions. No. 1,276,870; Aug. 27; v. 253; p. 796.
Cameron, Frank K., Salt Lake City, Utah, assignor to Alaska Products Company, New York, N. Y. Recovering potassium salts. No. 1,259,486; Mar. 19; v. 248; p. 514.
Cameron, Frank K., J. A. Cullen, Salt Lake City, Utah, and R. W. Hyde, New York, N. Y., assignors to American Smelting & Refining Company, Salt Lake City, Utah. Treating sulfid ores. No. 1,261,694; Apr. 2; v. 249; p. 199.
Cameron, Frank K., J. A. Cullen, Salt Lake City, Utah, and R. W. Hyde, New York, N. Y., assignors to American Smelting & Refining Company, Salt Lake City, Utah. Production of zinc chlorid. No. 1,261,695; Apr. 2; v. 249; p. 199.
Cameron, Frank K., J. A. Cullen, Salt Lake City, Utah, and R. W. Hyde, New York, N. Y., assignors to American Smelting & Refining Company, Salt Lake City, Utah. Producing zinc chlorid from ores. No. 1,261,696; Apr. 2; v. 249; p. 199.
Cameron, George A., and J. McKay, Stewart, British Columbia, Canada. Brush-cutting knife. No. 1,270,492; June 25; v. 251; p. 749.
Cameron, George W., Hondo, Tex. Insect-destroyer. No. 1,255,131; Feb. 5; v. 247; p. 6.
Cameron, James, Victoria, British Columbia, Canada. Cylinder-grinder. No. 1,278,588; Sept. 10; v. 254; p. 365.
Cameron, James A. (See Birch and Cameron.)
Cameron, James A., Brooklyn, N. Y. Picture-exhibiting apparatus. No. 1,262,578; Apr. 9; v. 249; p. 477.
Cameron, James A., Brooklyn, N. Y. Moving-picture machine. No. 1,274,241; July 30; v. 252; p. 1094.
Cameron, James A., Brooklyn, N. Y., assignor to Cameron Picture Machine Co. Moving-picture machine. No. 1,273,328; July 23; v. 252; p. 804.
Cameron, James A., Brooklyn, N. Y., assignor to Cameron Picture Machine Co. Moving-picture machine. No. 1,274,242; July 30; v. 252; p. 1094.
Cameron, James A., Brooklyn, and J. A. Hawkes, New York, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting and rewinding machine. No. 1,259,834; Mar. 19; v. 248; p. 612.
Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Mounting for rotatable members. No. 1,256,108; Feb. 12; v. 247; p. 329.
Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Rewinding-machine. No. 1,256,499; Feb. 12; v. 247; p. 446.
Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Making surgical bandages. No. 1,256,657; Feb. 19; v. 247; p. 528.
Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Perforating, splitting, and rewinding machine. No. 1,256,658; Feb. 19; v. 247; p. 528.
Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Machine for making surgeons' bandages. No. 1,256,659; Feb. 19; v. 247; p. 528.
Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting and rewinding machine. No. 1,258,185; Mar. 5; v. 248; p. 68.
Cameron, Jarrett L., Edgerley, assignor of one-half to Evangeline Iron Works, Ltd., Vinton, La. Well-cleaning device. No. 1,276,028; Aug. 20; v. 253; p. 527.
Cameron, Lowrie W., Vancouver, British Columbia, Canada. Artificial fish-bait. No. 1,272,003; July 9; v. 252; p. 384.
Cameron Machine Company. (See Birch and Cameron, assignors.)
Cameron Machine Company. (See Cameron and Birch, assignors.)
Cameron Machine Company. (See Cameron and Hawkes, assignors.)
Cameron Machine Company. (See Hansen, Svend, assignor.)
Cameron Picture Machine Co. (See Cameron, James A., assignor.)
Cameron, Theodore R, San Antonio, Tex. Cotton retainer or dog. No. 1,280,391; Oct. 1; v. 255; p. 77.
Cameron, Thomas W., Hora Hora Valley, Whangarei, New Zealand. Bottle-stopper. No. 1,268,213; June 4; v. 251; p. 40.
Cameron, William, assignor to Torris Wold & Company, Chicago, Ill. Clutch. No. 1,261,763; Apr. 9; v. 249; p. 250.
Cameron, William, assignor to Torris Wold & Company, Chicago, Ill. Sheet-feeding mechanism. No. 1,277,342; Aug. 27; v. 253; p. 920.
Cameron, William, assignor to Torris Wold & Company, Chicago, Ill. Blank-feeding mechanism. No. 1,283,659; Nov. 5; v. 256; p. 58.
Cameron, William W., La Crosse, Wis. Plow. No. 1,277,542; Sept. 3; v. 254; p. 57.
Cameron, William W., assignor to La Crosse Plow Co., La Crosse, Wis. Tractor-plow. No. 1,287,874; Dec. 17; v. 257; p. 484.
Cammack, J. W., administrator. (See Jones, Alva D.)
Cammack, Jerry W., assignor of one-third to M. Halbman and one-third to J. G. Hemmen, St. Louis, Mo. Toy. No. 1,289,648; Dec. 31; v. 257; p. 969.
Cammen, Leon. (See Goldmerstein, Leon.)
Cammen, Leon, New York, N. Y. Cooling system for internal-combustion engines. No. 1,256,109; Feb. 12; v. 247; p. 330.
Camp, Claude W., Petoskey, Mich. Sprinkling apparatus. No. 1,275,382; Aug. 13; v. 253; p. 318.
Camp, Edgar B., Anaheim, Cal. Air-gage indicator. No. 1,285,557; Nov. 19; v. 256; p. 610.
Camp, Forrest W., Glenellyn, Ill. Driving belt or chain. No. 1,254,389; Jan. 22; v. 246; p. 936.
Camp, Harry H., Spencer, W. Va. Thermostatic fire-alarm. No. 1,283,660; Nov. 5; v. 256; p. 59.
Camp, Harry L., Lynchburg, Va. Box-stay. No. 1,252,234; Jan. 1; v. 246; p. 229.
Camp, James O., New Decatur, Ala. Electric fuse. No. 1,258,186; Mar. 5; v. 248; p. 69.
Campana, George G., assignor, by mesne assignments, of one-half to The Thomas Lasting Wave Co., New York, N. Y. Hair-curler. No. 1,269,158; June 11; v. 251; p. 324.
Campau, Julian G., assignor of one-fourth to C. C. Grodi, Monroe, Mich. Yieldable tire-filling. No. 1,272,619; July 16; v. 252; p. 584.
Campau, Lawrence M., Detroit, Mich. Tie-pin holder. No. 1,269,578; June 18; v. 251; p. 471.
Campbell, Acheson M., Port Robinson, Ontario, Canada. Chuck. No. 1,264,892; May 7; v. 250; p. 6.
Campbell, Ada H., Atlanta, Ga. Educational appliance. No. 1,269,384; June 11; v. 251; p. 388.
Campbell, Albert P. (See Harris, Charles R., assignor.)
Campbell, Albert J., assignor to N. Kitching, Marion, Iowa. Train-service coupling. No. 1,278,850; Sept. 17; v. 254; p. 465.
Campbell, Alfred L., Elmhurst, N. Y., assignor to Brewster & Co. Shaft-coupling for motor-cars. No. 1,251,635; Jan. 1; v. 246; p. 57.
Campbell, Alphonso S., Medford, Mass. Hot-water bottle. No. 1,279,651; Sept. 24; v. 254; p. 708.
Campbell, Alva E., Decatur, Ill. Calking-iron. No. 1,264,610; Apr. 30; v. 249; p. 1126.
Campbell, Andrew J., Washington, D. C. Motor mechanism. No. 1,258,533; Mar. 5; v. 248; p. 170.
Campbell, Argyle, Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Spring friction-gear. No. 1,255,132; Feb. 5; v. 247; p. 6.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-operating mechanism. No. 1,255,385; Feb. 5; v. 247; p. 79.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Divertible ballast-car. No. 1,256,107; Feb. 12; v. 247; p. 329.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-operating mechanism for cars and the like. No. 1,256,771; Feb. 19; v. 247; p. 561.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-car. No. 1,257,270; Feb. 19; v. 247; p. 707.

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Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-car. No. 1,281,286; Oct. 15; v. 255; p. 380.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Convertible dumping-car. No. 1,281,287; Oct. 15; v. 255; p. 380.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-car-door-operating mechanism. No. 1,284,056; Nov. 5; v. 256; p. 162.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-car. No. 1,285,031; Nov. 19; v. 256; p. 479.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Composite dump-car. No. 1,285,614; Nov. 26; v. 256; p. 664.
Campbell Architectural Iron Co. (See Elliott, Irving H., assignor.)
Campbell Bros. Manufacturing Company, The. (See Fischer, Charles E., assignor.)
Campbell, Callie S., New London, Ohio. Mold. No. 1,271,849; July 9; v. 252; p. 339.
Campbell, Carlyle B., Sully, Iowa. Tuning-transformer. No. 1,276,618; Aug. 20; v. 253; p. 693.
Campbell, Charles E., Lynn, Mass. X-ray apparatus. No. 1,274,852; Aug. 6; v. 253; p. 146.
Campbell, Charles G., Chicago, Ill., assignor to Kewaunee Mfg. Co., Kewaunee, Wis. Table-top. No. 1,276,719; Aug. 27; v. 253; p. 757.
Campbell, Charles H., assignor to Borden's Condensed Milk Company, New York, N. Y. Apparatus for treating liquids. No. 1,253,347; Jan. 15; v. 246; p. 618.
Campbell, Charles H., deceased, New York, N. Y.; Borden's Condensed Milk Company, New York, N. Y., assignees. Dried milk and producing the same. (Reissue.) No. 14,567; Dec. 17; v. 257; p. 625.
Campbell, Charles W., assignor to The Lions Acetylene Gas Light Company, Lyons, Ind. Gas-machine. No. 1,254,980; Jan. 29; v. 246; p. 1138.
Campbell, Colin, Rutherford, N. J. Adjustable surface grate-bar. No. 1,270,694; June 25; v. 251; p. 801.
Campbell, Colin, New York, N. Y. Lamp. No. 1,289,113; Dec. 31; v. 257; p. 837.
Campbell, David M., Brooklyn, N. Y. Aluminum-solder. No. 1,273,146; July 23; v. 252; p. 757.
Campbell, Donald J., Muskegon Heights, Mich. Piston for internal-combustion engines. No. 1,264,893; May 7; v. 250; p. 6.
Campbell, Donald J., Muskegon Heights, Mich. Carbureter. No. 1,273,030; July 16; v. 252; p. 700.
Campbell, Donald K., assignor of one-fourth to O. G. Palmquist and one-fourth to O. W. Johnson, Chicago, Ill. Vending-machine. No. 1,263,033; Apr. 16; v. 249; p. 634.
Campbell, E. S., *et al.* (See Ward, John A., assignor.)
Campbell, Earl T., Gary, Ind. Suction-head for plate-feeding machines. No. 1,278,105; Sept. 10; v. 254; p. 236.
Campbell, Earl T., Gary, Ind. Means for suspending the contents of boxes. No. 1,280,392; Oct. 1; v. 255; p. 77.
Campbell, Edgar E., and G. W. Heald, assignors, by mesne assignments, to General Utility Power Company, Chicago, Ill. Hot-air engine. No. 1,277,849; Sept. 3; v. 254; p. 144.
Campbell, Ernest, Calgary, Alberta, Canada. Splice for billiard-cues. No. 1,287,215; Dec. 10; v. 257; p. 290.
Campbell, Ernest, assignor of one-half to T. F. Cashman, Calgary, Alberta, Canada. Tire-sealing composition. No. 1,271,015; July 2; v. 252; p. 75.
Campbell, Frank G. (See Campbell, Loudoun and F. G.)
Campbell, Frank R., assignor to The National Malleable Castings Company, Cleveland, Ohio. Radial-draft gear. No. 1,267,053; May 21; v. 250; p. 663.
Campbell, Franklin L., Delaware, Ohio. Artificial bait. No. 1,267,627; May 28; v. 250; p. 850.
Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,116; Jan. 22; v. 246; p. 856.
Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,117; Jan. 22; v. 246; p. 858.
Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,118; Jan. 22; v. 246; p. 859.
Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,471; Jan. 22; v. 246; p. 959.
Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,472; Jan. 22; v. 246; p. 959.
Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,473; Jan. 22; v. 246; p. 960.
Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,474; Jan. 22; v. 246; p. 960.
Campbell, George A., Upper Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,475; Jan. 22; v. 246; p. 961.
Campbell, George A., Upper Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,476; Jan. 22; v. 246; p. 961.

Campbell, George F. D., Bootle, near Liverpool, England. Electrically-operated winch specially applicable as an ash-hoist. No. 1,264,894; May 7; v. 250; p. 6.
Campbell, George J. (See Hochstein, Alfred P., assignor.)
Campbell, George W., Columbus, Ohio. Mortising-machine. No. 1,289,114; Dec. 31; v. 257; p. 837.
Campbell, Gilbert C., Humphreys, Mo. Display-cabinet. No. 1,287,216; Dec. 10; v. 257; p. 290.
Campbell, Hardy W., Bethany, Nebr. Grain-drill. No. 1,284,589; Nov. 12; v. 256; p. 328.
Campbell, Harry E., New York, N. Y. Metal window-frame. No. 1,252,087; Jan. 1; v. 246; p. 190.
Campbell, Harry E., New York, N. Y. Support for steam-radiators. No. 1,266,210; May 14; v. 250; p. 400.
Campbell, Harry E., New York, N. Y. Window frame and sashes. No. 1,273,453; July 23; v. 252; p. 838.
Campbell, Harry E., New York, N. Y. Window frame and sashes. No. 1,273,454; July 23; v. 252; p. 839.
Campbell, Harry E., New York, N. Y. Window frame and sashes. No. 1,273,455; July 23; v. 252; p. 839.
Campbell, James R., Toronto, Ontario, Canada. Means for folding cloth. No. 1,259,487; Mar. 19; v. 248; p. 514.
Campbell, James R., Scottdale, and A. F. Hoffman, Pittsburgh, Pa. Treating mine-water. No. 1,267,971; May 28; v. 250; p. 946.
Campbell, James R., West New Brighton, N. Y. Composition for softening boiler feed-water. No. 1,278,435; Sept. 10; v. 254; p. 323.
Campbell, John, Middlesbrough, England. Natural-color cinematography. No. 1,278,302; Sept. 10; v. 254; p. 289.
Campbell, John A., Carbondale, Ill. Automobile-lock. No. 1,275,126; Aug. 6; v. 253; p. 221.
Campbell, John A., Quincy, Mass. Dressing-machine for floors, &c. No. 1,279,082; Sept. 17; v. 254; p. 529.
Campbell, John C., assignor to Newark Wire Cloth Company, Newark, N. J. Wire-cloth. No. 1,288,504; Dec. 24; v. 257; p. 663.
Campbell, John D., Sea Bright, N. J. Vehicle-tire. No. 1,277,850; Sept. 3; v. 254; p. 144.
Campbell, John H., Logan, Utah. Beet-topper. No. 1,280,156; Oct. 1; v. 255; p. 11.
Campbell, John S., Owatonna, Minn. Gum-wrapper. No. 1,272,004; July 9; v. 252; p. 385.
Campbell, John T., Richmond, Ind. Mail-bag-transferring mechanism. No. 1,273,575; July 23; v. 252; p. 871.
Campbell, Joseph A., Ontario, and V. O. Campbell, assignors to California Growers Association, Fresno, Cal. Syruping and packing machine. No. 1,260,636; Mar. 26; v. 248; p. 880.
Campbell, Joseph A., Ontario, and V. O. Campbell, Fresno, Cal. Fruit-distributing device. No. 1,256,294; Feb. 12; v. 247; p. 385.
Campbell, Joseph T., and H. Y. Billings, Mountain Lakes, assignors to U. S. Internal Combustion Co., Newark, N. J. Spark-plug. No. 1,287,570; Dec. 10; v. 257; p. 375.
Campbell, Julian A., Long Beach, Cal. Eye-protector. No. 1,275,127; Aug. 6; v. 253; p. 222.
Campbell, L. J., *et al.* (See Sartain, Louis M., assignor.)
Campbell, Lawrence S. (See Campbell, Robert M. and L. S.)
Campbell, Leon J., Chicago, Ill. Tire. No. 1,254,576; Jan. 22; v. 246; p. 989.
Campbell, Leon W., Boston, Mass. Cotton-harvester. No. 1,277,851; Sept. 3; v. 254; p. 144.
Campbell, Leon W., Boston, Mass. Picker-stem. No. 1,277,852; Sept. 3; v. 254; p. 144.
Campbell, Leon W., Boston, Mass. Picker-stem. No. 1,277,853; Sept. 3; v. 254; p. 145.
Campbell, Leon W., Providence, R. I. Top roll. No. 1,286,936; Dec. 10; v. 257; p. 218.
Campbell, Leslie E. (See Folkers, Folkert, assignor.)
Campbell, Loudoun and F. G., Washington, D. C. Detachable pulley for automobiles. No. 1,288,505; Dec. 24; v. 257; p. 664.
Campbell, Milton S., Elmira Heights, N. Y. Heel-plate. No. 1,260,142; Mar. 19; v. 248; p. 701.
Campbell, Norman M. Chiswick, London, England. Sea-anchor. No. 1,285,558; Nov. 19; v. 256; p. 611.
Campbell, Oliver M., Kansas City, Kans. Vacuum water-purification system. No. 1,276,871; Aug. 27; v. 253; p. 796.
Campbell, Robert E., Berkeley, Cal. Gas-burner. No. 1,262,014; Apr. 9; v. 249; p. 319.
Campbell, Robert E., Berkeley, Cal. Blow-torch. No. 1,289,042; Dec. 24; v. 257; p. 794.
Campbell, Robert M. and L. S., Los Angeles, Cal. Admission-registering mechanism. No. 1,275,128; Aug. 6; v. 253; p. 222.
Campbell, Ruth, Yazoo City, Miss., assignor to Underwood Typewriter Company, New York, N. Y. Erasing-shield for type-writing machines. No. 1,285,032; Nov. 19; v. 256; p. 480.
Campbell, Sanders, Carrollton, Miss. Resilient wheel. No. 1,275,526; Aug. 13; v. 253; p. 356.
Campbell, Solomon A., *et al.* (See Arnold, George A., assignor.)
Campbell, Thomas B. (See Standley and Campbell.)

Campbell, Thomas J., Moose Jaw, Saskatchewan, Canada. Stooking attachment for binders. No. 1,264,154; Apr. 30; v. 249; p. 996.
Campbell, Vernon O. (See Campbell, Joseph A. and V. O.)
Campbell, W. H., *et al.* (See Sartain, Louis M., assignor.)
Campbell, Wesley A., Grand Junction, Colo. Railway-clamp. No. 1,261,697; Apr. 2; v. 249; p. 200.
Campbell, Wilber A., Flora, Ill. Wire-stretcher. No. 1,273,456; July 23; v. 252; p. 839.
Campbell, William. (See Jackson, Leonard D., assignor.)
Campbell, William A., Pittsburgh, Pa. Combination-tool. No. 1,277,290; Aug. 27; v. 253; p. 906.
Campbell, William B., Portland, Oreg., assignor of one-fourth to G. W. Hines, North Yakima, Wash. Rotary pump. No. 1,257,806; Feb. 26; v. 247; p. 900.
Campbell, William J., Hoopeston, Ill. Beet puller and topper. No. 1,279,251; Sept. 17; v. 254; p. 572.
Campbell, William R., Lancaster, Ohio. Capping-off stick. No. 1,257,975; Mar. 5; v. 248; p. 7.
Campbell, William T., Wisley, Kans. Corn-cutter. No. 1,276,324; Aug. 20; v. 253; p. 609.
Campbell, Wilson L., La Grange, Ill., assignor, by mesne assignments, to Automatic Electric Company. Telephone system. No. 1,267,743; May 28; v. 250; p. 881.
Camper, Dorsey B., Elgin, Ill. Automatic catch or lock. No. 1,252,776; Jan. 8; v. 246; p. 420.
Campion, Patrick R., San Francisco, Cal. Motor-truck. No. 1,284,234; Nov. 12; v. 256; p. 237.
Campodonico, John J., Stockton, Cal. Vehicle-air-cushion compressor. No. 1,270,493; June 25; v. 251; p. 749.
Campodonico, John J., Stockton, Cal. Transmission mechanism. No. 1,284,057; Nov. 5; v. 256; p. 162.
Campton, Bertram N., Toronto, Ontario, Canada. Guitar-steel. No. 1,280,959; Oct. 8; v. 255; p. 258.
Camus, Eugene P., Brooklyn, N. Y. Field-glass for firearms. No. 1,272,214; July 9; v. 252; p. 443.
Canadian Crocker Wheeler Co., The. (See Finnie, Herman V., assignor.)
Canadian Hart Wheels Limited. (See Williams, James F., assignor.)
Canadian Vincent Valve Company Limited. (See Newham, Arthur, assignor.)
Canby, Amos G., Detroit, Mich. Ornament for the radiator-caps of automobiles. No. 1,275,384; Aug. 13; v. 253; p. 318.
Canby, Thomas, Huddersfield, England. Machine for cropping or shearing cloth. No. 1,277,694; Sept. 3; v. 254; p. 101.
Canda, Ferdinand E., New York, N. Y. Ball-rolling mill. No. 1,266,402; May 14; v. 250; p. 450.
Canda, Ferdinand E., New York, N. Y. Grate and grate-bar therefor. No. 1,269,579; June 18; v. 251; p. 471.
Candee, Andrew R. (See Hellmund, Meyer, and Candee.)
Candee, Zenas P., assignor to Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Feed mechanism. No. 1,252,396; Jan. 8; v. 246; p. 309.
Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Feed mechanism. No. 1,253,348; Jan. 15; v. 246; p. 618.
Candrian, Lincoln. (See Hauser, Fred, assignor.)
Capen, Frances W., Reading, Mass. Knitting-bag. No. 1,286,225; Dec. 3; v. 257; p. 11.
Canedy-Otto Mfg. Co. (See Worth, George F., assignor.)
Canepa, John V., and P. Casalena, Chicago, Ill. Macaroni-drier. No. 1,285,615; Nov. 26; v. 256; p. 665.
Canfield, Albert E., assignor of three-fifths to G. M. Pace, Kingston, Pa. Antiskidding device for wheel-tires. (Reissue.) No. 14,427; Jan. 29; v. 246; p. 1176.
Canfield, Clair C., Crafton, assignor of one-fourth to A. P. Lindsay, Pittsburgh, Pa. Wall-box for electrical apparatus. No. 1,265,744; May 14; v. 250; p. 268.
Canfield, James M., Claremont, Cal. Automobile-semaphore. No. 1,280,659; Oct. 8; v. 255; p. 176.
Canfield, Philemon B., Syracuse, N. Y. Piston-ring. No. 1,277,291; Aug. 27; v. 253; p. 907.
Canfield, Robert W., Corning, N. Y., assignor to Empire Machine Company. Glass-working machine and process of working glass. No. 1,260,637; Mar. 26; v. 248; p. 881.
Canfield, Stephen N., Holly, Colo. Wheel-guard. No. 1,279,982; Sept. 24; v. 254; p. 802.
Canfield, William P., *et al.* (See McCormick, Oscar C., assignor.)
Canion, William G., Baltimore, Md. Triple valve. No. 1,275,129; Aug. 6; v. 253; p. 222.
Canion, William G., Baltimore, Md. Combined air and electric triple valve. No. 1,280,157; Oct. 1; v. 255; p. 11.
Cannan, Robert, Brooklyn, N. Y. Cotton-harvester. No. 1,259,356; Mar. 12; v. 248; p. 445.
Cannell, William, Springfield, Mass., assignor to Baush Machine Tool Company. Machine and process for cutting hobs, worms, and the like. No. 1,271,662; July 9; v. 252; p. 288.
Canning, John E., Denver, Colo. Tooth-regulator. No. 1,271,850; July 9; v. 252; p. 339.
Cannon, George B., Jr. (See Howard and Cannon.)
Cannon, John T., St. Paul, Minn. Line hook and holding means. No. 1,280,393; Oct. 1; v. 255; p. 78.
Cannstatter Misch- und Knetnaschinenfabrik, Cannstatter Dampf-Backofenfabrik Werner & Pfleidered. (See Kempter, Fritz, assignor.)
Canny, Charles C. (See Rakestraw, Thomas G. and A. E., assignors.)
Canova, Antonio J., Jacksonville, Fla. Gaseous-fuel mixer. No. 1,265,047; May 7; v. 250; p. 49.
Cansfield, Charles E. (See Clark, Ackerman, and Cansfield.)
Can't Slip Collar Bar Company. (See Kunz, Alphonse M., assignor.)
Canton Culvert & Silo Company, The. (See Schlafly, Julius H., assignor.)
Canton Foundry and Machine Company, The. (See Gossett and Hewitt, assignors.)
Cantopen Lock Corporation. (See Waing, Nikolaus, assignor.)
Cantrell, William, Fort Worth, Tex. Replanter. No. 1,265,290; May 7; v. 250; p. 115.
Cantrelle, Oliver J., and G. Alexander, New Orleans, La. Release-valve. No. 1,282,675; Oct. 22; v. 255; p. 797.
Cantwell, William P., Lima, Ohio. Hoisting mechanism. No. 1,280,660; Oct. 8; v. 255; p. 177.
Capata, George, Gary, Ind. Shoe. No. 1,269,385; June 11; v. 251; p. 388.
Capehart, John C. Frankfort, Ky. Lath for wall-plaster foundations. No. 1,266,211; May 14; v. 250; p. 400.
Capehart, William H., Newell, Ala. Quilting-frame. No. 1,265,880; May 14; v. 250; p. 307.
Capelle, Charles H., and W. B. Feely, South Acton, Mass. Brush band or ferrule. No. 1,282,751; Oct. 29; v. 255; p. 845.
Capen, George H. (See Thomson, Alfred J., assignor.)
Capewell Horse Nail Company. (See Cutter, Solomon M., assignor.)
Capital Electric Company. (See Myrick, George H., assignor.)
Caples, Russel B., Great Falls, and F. F. Frick, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Purifying zinc-sulfate solutions. No. 1,263,852; Apr. 23; v. 249; p. 881.
Capocci, Romolo, *et al.* (See Bertolini and Cappelletti, assignors.)
Capp, John A., Schenectady, N. Y., assignor to General Electric Company. Resistance element. No. 1,279,252; Sept. 17; v. 254; p. 573.
Cappellari, Alfonso, Bologna, Italy. Bed-pan. No. 1,289,650; Dec. 31; v. 257; p. 969.
Cappelletti, Tomasso. (See Bertolini and Cappelletti.)
Capron, Felix, Gray's Inn Road, London, England. Production of neutral ammonium sulfate. No. 1,266,212; May 14; v. 250; p. 400.
Capron, George F., El Paso, Tex. Nut-lock. No. 1,256,436; Feb. 12; v. 247; p. 428.
Caproni, Gianni, Milan, Italy. Flying-machine. No. 1,284,590; Nov. 12; v. 256; p. 328.
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Making multiple photographic exposures. No. 1,260,324; Mar. 26; v. 248; p. 785.
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Actinometer. No. 1,262,444; Apr. 9; v. 249; p. 439.
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Method of and article for making photographs. No. 1,273,457; July 23; v. 252; p. 839.
Captain De Witt's Navirule Gomei Kaisha. (See De Witt, William, assignor.)
Capurro, John, *et al.* (See Gould, Fred L., assignor.)
Caraballo, Martin, Tampa, Fla. Auxiliary air-valve for gas-engines. No. 1,251,962; Jan. 1; v. 246; p. 153.
Caracristi, Virginius Z., Bronxville, and J. E. Muhlfeld, Scarsdale, N. Y. Apparatus for burning pulverized coal. No. 1,265,172; May 7; v. 250; p. 83.
Caracristi, Virginius Z., Albany, N. Y., assignor to Locomotive Pulverized Fuel Company. Burning pulverized fuel. No. 1,274,384; Aug. 6; v. 253; p. 10.
Caravia, Eugene, New York, N. Y. Arch-support. No. 1,260,868; Mar. 26; v. 248; p. 945.
Carbo-Hydrogen Co. of America. (See Austin, Francis S., assignor.)
Carbo-Hydrogen Company of America. (See Harris, John, assignor.)
Carboni, Augusto, San Francisco, Cal. Measuring device. No. 1,267,054; May 21; v. 250; p. 664.
Carborundum Company, The. (See Allen, Thomas B., assignor.)
Carborundum Company, The. (See Hutchins, Otis, assignor.)
Carborundum Company, The. (See Linbarger, Silas C., assignor.)
Carborundum Company, The. (See Olver, Alfred W., assignor.)
Carborundum Company, The. (See Tone, Frank J., assignor.)
Carden, David A., Houston Heights, Tex. Cleaning device for wells. No. 1,259,721; Mar. 19; v. 248; p. 580.
Carden, Hiram, Daisy, Tenn. Lifting-jack. No. 1,260,510; Mar. 26; v. 248; p. 842.
Cardin, Ernest, Virginia, Minn. Sleigh-runner. No. 1,288,829; Dec. 24; v. 257; p. 743.

Cardwell, Allen D., Brooklyn, N. Y. Controlling system for receiving apparatus. No. 1,259,835; Mar. 19; v. 248; p. 613.
Cardwell, Allen D., Brooklyn, N. Y. Electric controlling system. No. 1,279,652; Sept. 24; v. 254; p. 708.
Cardwell, Allen D., New York, N. Y. Magnet control. No. 1,279,653; Sept. 24; v. 254; p. 709.
Cardwell, Harland W., Texarkana, Tex. Wrist-blotter. No. 1,280,158; Oct. 1; v. 255; p. 11.
Cardwell, James R., assignor to Union Draft Gear Company, Chicago, Ill. Draft-gear. No. 1,275,527; Aug. 13; v. 253; p. 356.
Careaga, John T., San Jose, Cal. Hat-box. No. 1,256,437; Feb. 12; v. 247; p. 429.
Careless, Leonard, St. Paul, Minn. Purse. No. 1,287,875; Dec. 17; v. 257; p. 484.
Carewell, Richard, Brooklyn, N. Y. Gas supply and regulating valve for inverted gas-burners. No. 1,286,937; Dec. 10; v. 257; p. 218.
Carey, Daniel J., Edson, Alberta, Canada. Power-shovel or the like. No. 1,283,073; Oct. 29; v. 255; p. 935.
Carey, John J. (See Frick, Allen J., assignor.)
Carey, Robert F., Leigh-on-Sea, England. Transmission-gear for lifts, hoists, and the like. No. 1,279,253; Sept. 17; v. 254; p. 573.
Cargal, William B., and W. Tankersley, Dalton, Ga. Bobbin-bearing. No. 1,265,995; May 14; v. 250; p. 340.
Carhart, George E. (See Smith, Friend W., Jr., assignor.) (Reissue.)
Carhart, Herbert A. (See Barr and Carhart.)
Carhart, Herbert A., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,174,985; Aug. 6; v. 253; p. 183.
Carhart, Herbert A., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,256,517; Feb. 19; v. 247; p. 488.
Carhart, Herbert A., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,271,663; July 9; v. 252; p. 289.
Carhart, Linden P., Brooklyn, N. Y. Spring. No. 1,281,511; Oct. 15; v. 255; p. 443.
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. No. 1,275,844; Aug. 13; v. 253; p. 445.
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. No. 1,275,845; Aug. 13; v. 253; p. 445.
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. No. 1,280,661; Oct. 8; v. 255; p. 177.
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Motor control. No. 1,287,217; Dec. 10; v. 257; p. 290.
Caritj, Michael. (See Alberti, Caritj, and La Femina.)
Carl Anderson Electric Corporation. (See Anderson and Ritzmer, assignors.)
Carl, Elizabeth. (See Carl, Louis M., assignor.)
Carl, James, Wheeling, W. Va. Self feeding and heating grease-box for tin-mills. No. 1,272,914; July 16; v. 252; p. 669.
Carl, Louis M., assignor of one-half to E. Carl, Chicago, Ill. Window construction. No. 1,254,775; Jan. 29; v. 246; p. 1079.
Carland, Frank B., Nutley, N. J., and R. L. Morgan, Worcester, Mass. Collar-button. No. 1,271,664; July 9; v. 252; p. 289.
Carlberg, Carl G., Omaha, Nebr. Plowing-machine. No. 1,282,377; Oct. 22; v. 255; p. 716.
Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada. Box-assembling machine. No. 1,251,963; Jan. 1; v. 246; p. 154.
Carle, Harold, assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Shell-machine. No. 1,286,938; Dec. 10; v. 257; p. 218.
Carleton, Jerry. (See Corlew, Scudder, and Carleton.)
Carley, Jerome M., East Greenbush, N. Y. Controlling an electric circuit and designating same. No. 1,281,288; Oct. 15; v. 255; p. 381.
Carlfield, Fritz, San Pablo, Cal. Handsaw. No. 1,284,591; Nov. 12; v. 256; p. 328.
Carlin, Arvid F., New York, N. Y. Shelf-support. No. 1,284,235; Nov. 12; v. 256; p. 237.
Carlin, Samuel E., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Calculating-machine. No. 1,274,136; July 30; v. 252; p. 1063.
Carlin, Samuel E., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Calculating-machine. No. 1,275,528; Aug. 13; v. 253; p. 357.
Carlin, Samuel E., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Calculating-machine. No. 1,287,218; Dec. 10; v. 257; p. 290.
Carlin, William J., Roxbury, Mass. Lamp-support. No. 1,282,676; Oct. 22; v. 255; p. 797.
Carling, Rose S., assignor to Pneumatic Surgical Appliance Company, Los Angeles, Cal. Arch-support. No. 1,254,654; Jan. 29; v. 246; p. 1040.
Carling, Rose S., Los Angeles, Cal. Combination arch-support. No. 1,270,003; June 18; v. 251; p. 588.
Carling, Rose S., Los Angeles, Cal. Pneumatic abdominal support. No. 1,272,329; July 9; v. 252; p. 476.
Carling, Rose S., Los Angeles, Cal. Valve. No. 1,276,325; Aug. 20; v. 253; p. 610.
Carlisle, Brina M., New York, N. Y. Toy musical instrument. No. 1,259,600; Mar. 19; v. 248; p. 546.
Carlisle, Fred B., *et al.* (See Morton, Frederic C., assignor.)
Carlisle, George J., Chicago, Ill. Condiment-holder. No. 1,265,607; May 7; v. 250; p. 200.
Carlisle, Howard, Leesburg, N. J. Train control. No. 1,277,854; Sept. 3; v. 254; p. 145.
Carll, Addison B., New York, N. Y. Door-latch. No. 1,284,236; Nov. 12; v. 256; p. 238.
Carll, Addison, B., New York, N. Y. Foot-operated door-fastener. No. 1,284,237; Nov. 12; v. 256; p. 238.
Carlon, Harry P., Wilmington, Del. Frame. No. 1,256,518; Feb. 19; v. 247; p. 488.
Carlos, Earl W., Richmond, Ind. Attachment for phonographs. No. 1,261,904; Apr. 9; v. 249; p. 289.
Carlough, Daniel, Jr., and E. Bogert, Paterson, N. J. Window frame and sash. No. 1,288,830; Dec. 24; v. 257; p. 743.
Carlow, Philip, Seattle, Wash. Design and puzzle. No. 1,265,300; May 7; v. 250; p. 117.
Carlson, Albert, Chicago, Ill. Tail-gate lock. No. 1,270,695; June 25; v. 251; p. 802.
Carlson, Andrew, Mullen, Nebr. Chicken-beheader. No. 1,271,016; July 2; v. 252; p. 75.
Carlson, Anger C., Butler, Pa. Heater for washing-machines. No. 1,287,876; Dec. 17; v. 257; p. 484.
Carlson, Anger C., Butler, Pa. Washing-machine. No. 1,288,831; Dec. 24; v. 257; p. 743.
Carlson, Arthur J., Dovetail, Mont. Vehicle construction. No. 1,252,320; Jan. 1; v. 246; p. 253.
Carlson, Axel S., Jerome, Ariz. Nut-lock. No. 1,269,386; June 11; v. 251; p. 389.
Carlson, Axel W., Worcester, Mass. Making turbine-rotors. No. 1,273,576; July 23; v. 252; p. 871.
Carlson, Carl A. (See Wright and Carlson.)
Carlson, Carl A., Alpha, Minn. Stiffening-spring for traps. No. 1,260,143; Mar. 19; v. 248; p. 701.
Carlson, Carl J., Easthampton, Mass. Valve-adjusting device for steam-hammers. No. 1,265,173; May 7; v. 250; p. 83.
Carlson, Charles A., Stillman Valley, Ill. Barrel-stand. No. 1,270,696; June 25; v. 251; p. 802.
Carlson, Charles J., Helena, Mont. Convertible automobile-body. No. 1,272,620; July 16; v. 252; p. 584.
Carlson, Charles J., and A. W. Larson, Seattle, Wash. Animal-trap. No. 1,287,877; Dec. 17; v. 257; p. 484.
Carlson, Edward P., Seattle, Wash. Cutting and welding torch. No. 1,281,289; Oct. 15; v. 255; p. 381.
Carlson, Emil, Pasadena, Cal. Brake-operated stop-signal switch for automobiles. No. 1,261,698; Apr. 2; v. 249; p. 200.
Carlson, Ernst H. (See Ekman, Ernst, assignor.)
Carlson, Eric O., Cleveland, Ohio. Electric signal. No. 1,285,934; Nov. 26; v. 256; p. 746.
Carlson, Frederick E., New Britain, Conn. Protective device for electric utensils. No. 1,264,868; Apr. 30; v. 249; p. 1194.
Carlson, Frederick E., and J. F. Lamb, assignors to Landers, Frary & Clark, New Britain, Conn. Circuit-coupling for electrical apparatus. No. 1,269,784; June 18; v. 251; p. 530.
Carlson, Fritz A., Kansas City, Kans. Convertible furniture. No. 1,278,589; Sept. 10; v. 254; p. 365.
Carlson, Gustaf A., assignor to The Boye Needle Company, Chicago, Ill. Pen or pencil clip. No. 1,260,638; Mar. 26; v. 248; p. 881.
Carlson, Gustave, Chicago, Ill. Drain-connector. No. 1,252,548; Jan. 8; v. 246; p. 355.
Carlson, Helmer P. (See Carlson, Sven J., assignor.)
Carlson, Hilmer, Chicago, Ill. Refrigerator. No. 1,268,791; June 4; v. 251; p. 203.
Carlson, Ivar, Leominster, Mass., assignor to A. C. Messler, Pawtucket, R. I. Feed. No. 1,283,661; Nov. 5; v. 256; p. 59.
Carlson, John, and M. Samuels, Idaho. Package-tie. No. 1,275,130; Aug. 6; v. 253; p. 229.
Carlson, John and M., Mace, Idaho. Lacing device. No. 1,282,539; Oct. 22; v. 255; p. 760.
Carlson, John D., Turlock, Cal. Bean-cleaner. No. 1,275,385; Aug. 13; v. 253; p. 319.
Carlson, John L. (See McCord and Carlson.)
Carlson, John M., Sheyenne, N. D. Direction-indicator for traction-engines. No. 1,271,851; July 9; v. 252; p. 339.
Carlson, Knut A. (See Sjogren, George, assignor.)
Carlson, Mathias. (See Carlson, John and M.)
Carlson, Matthias. (See Carlson, John and M.)
Carlson, Nels L., Bellevue, Wash. Measuring device. No. 1,287,219; Dec. 10; v. 257; p. 291.
Carlson, Oscar B., and F. Otterdahl, Månsbo, Avesta, Sweden. Explosive. No. 1,277,043; Aug. 27; v. 253; p. 841.
Carlson, Otto, Astoria, Oreg. Boat-handling apparatus. No. 1,283,397; Oct. 29; v. 255; p. 1021.
Carlson, Per H. (See Ecker, Walter, assignor.)
Carlson, Robert H. (See Daley and Lyndale, assignors.)

Carlson, Richard T., Rosedale, Kans. Magnet-tester. No. 1,260,869; Mar. 26; v. 248; p. 945.
Carlson, Richard T., Rosedale, Kans. Device for holding crank and transmission shafts and brake-bands. No. 1,284,592; Nov. 12; v. 256; p. 328.
Carlson, Sophia A., Chisholm, Minn. Garment. No. 1,281,290; Oct. 15; v. 255; p. 381.
Carlson, Sven J., assignor of one-half to H. P. Carlson, Middletown, Conn. T-square. No. 1,262,015; Apr. 9; v. 249; p. 319.
Carlson, Theodore T., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Sectional machine-knife blade. No. 1,262,445; Apr. 9; v. 249; p. 439.
Carlson, Walter C., Milwaukee, Wis., assignor to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Machine for applying flies to paper boxes. No. 1,269,259; June 11; v. 251; p. 354.
Carlson, William F., Merrick, Mass. Brake-shoe. No. 1,279,254; Sept. 17; v. 254; p. 573.
Carlsson, Carl A. V., Washington, D. C. Air-compressor. No. 1,265,048; May 7; v. 250; p. 50.
Carlton, Anson E., Paterson, N. J. Antiskid device. No. 1,282,186; Oct. 22; v. 255; p. 664.
Carlton, Anson E., Paterson, N. J. Anti-skid device. No. 1,285,033; Nov. 19; v. 256; p. 480.
Carlton Mills Co. (See McKenna, Lawrence, assignor.)
Carman, Herbert L. (See Riesenberg, Felix, assignor.) (Reissue.)
Carmack, Samuel G., Madisonville, Ky. Nut-lock. No. 1,259,357; Mar. 12; v. 248; p. 445.
Carmean, James H. (See Carmean, Samuel M. and J. H.)
Carmean, Samuel M. and J. H., Kansas City, Mo. Electric heater. No. 1,280,960; Oct. 8; v. 255; p. 258.
Carmean, Samuel M. and J. H., Kansas City, Mo. Electric heater. No. 1,288,506; Dec. 24; v. 257; p. 664.
Carmean, Samuel M. and J. H., Kansas City, Mo. Electric-heating system. No. 1,288,507; Dec. 24; v. 257; p. 664.
Carmer, James R. (See Keagy and Carmer.)
Carmichael, Allan G., Kendall, Mont. Wrench. No. 1,264,895; May 7; v. 250; p. 7.
Carmichael, Oral, assignor to Gendron Wheel Company, Toledo, Ohio. Wagon. No. 1,272,330; July 9; v. 252; p. 476.
Carmichael, Robert E., Damon, Tex., assignor of one-half to G. Hamman, Houston, Tex. Core-discharge apparatus. No. 1,280,159; Oct. 1; v. 255; p. 12.
Carmichael, Robert E., Damon, assignor of one-half to G. Hamman, Houston, Tex. Rotary drilling apparatus. No. 1,283,662; Nov. 5; v. 256; p. 59.
Carmichael, Robert E., Damon, assignor of one-half to G. Hamman, Houston, Tex. Sulfur-mining. No. 1,287,878; Dec. 17; v. 257; p. 484.
Carmichael, Robert E., Damon, assignor of one-half to G. Hamman, Houston, Tex. Sulfur-mining apparatus. No. 1,287,879; Dec. 17; v. 257; p. 485.
Carmichael, Theodore. (See Dishman, Dana W., assignor.)
Carmichael, Thomas B. (See Turnbull and Carmichael.)
Carmichiel, Daniel F., Minneapolis, Minn. Separable fastener. No. 1,284,238; Nov. 12; v. 256; p. 238.
Carmona, Manuel S. de, Mexico, Mexico. Spring-wheel. No. 1,287,255; Dec. 10; v. 257; p. 299.
Carnahan, Bruce H., H. M. Williams, and H. W. Bertram, Indianapolis, Ind. Automatic feeding attachment for glue-jointers. No. 1,267,511; May 28; v. 250; p. 816.
Carnahan, C. R. (See Myers, Melvin A., assignor.)
Carnahan, Frank, South Boston, assignor to Emerson Piano Company, Boston, Mass. Control device for pneumatics. No. 1,289,391; Dec. 31; v. 257; p. 906.
Carnegie, Alfred Q. (See Parsons, Carnegie, and Cook.)
Carney, Frank D., Bethlehem, Pa. Hollow ingot and making same. No. 1,277,543; Sept. 3; v. 254; p. 58.
Carney, Fred J. (See Wainwright and Carney.)
Carney, James A., Aurora, Ill. Brake-operating mechanism. No. 1,273,147; July 23; v. 252; p. 757.
Carney, James J., Bethel, Vt. Axle-lubricating device. No. 1,287,880; Dec. 17; v. 257; p. 485.
Carney, James A., Aurora, Ill. Headlight construction. No. 1,273,148; July 23; v. 252; p. 757.
Carney, James J., Bethel, Vt. Self-lubricating axle. No. 1,264,896; May 7; v. 250; p. 7.
Carney, John G. (See Wagner and Carney.)
Carney, William, and F. C. Chase, Fredericksburg, Iowa. Combination-square. No. 1,258,985; Mar. 12; v. 248; p. 340.
Carns, George W. (See Rabenold and Carns.)
Carolin, Norbert, New York, N. Y. Airplane. No. 1,274,986; Aug. 6; v. 253; p. 183.
Caron, Frederick, Detroit, Mich. Shade-bracket. No. 1,267,182; May 21; v. 250; p. 701.
Caron, Charles, Ishpeming, Mich. Yarn-winder. No. 1,262,446; Apr. 9; v. 249; p. 439.
Caron, George, Brooklyn, N. Y. Curve-drawing apparatus. No. 1,285,616; Nov. 26; v. 256; p. 665.
Caron, Louis G., Washington, D. C. Artificial hand. No. 1,284,875; Nov. 12; v. 256; p. 401.
Caron, Louis G., Toronto, Ontario, Canada. Artificial hand. No. 1,285,617; Nov. 26; v. 256; p. 666.
Caron, Louis G., Toronto, Ontario, Canada, assignor to Artificial Limb Supply Co., Washington, D. C. Artificial hand and arm. No. 1,278,106; Sept. 10; v. 254; p. 236.
Caron, John V., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in the manufacture of boots and shoes. No. 1,271,665; July 9; v. 252; p. 289.
Caron, Louis G., Toronto, Ontario, Canada. Artificial hand and arm. No. 1,272,006; July 9; v. 252; p. 385.
Caroselli, Silvio, Detroit, Mich. Necktie. No. 1,282,042; Oct. 22; v. 255; p. 624.
Carothers, James A., assignor to Pittsburgh Saw & Manufacturing Company, Pittsburgh, Pa. Saw-grinding machine. No. 1,281,512; Oct. 15; v. 255; p. 443.
Carothers, John N. (See Merz, Ross, and Carothers.)
Carothers, John N., and W. H. Ross, Washington, D. C. Direct preparation of crystallized phosphoric acid. No. 1,283,398; Oct. 29; v. 255; p. 1021.
Carpenter, Alexander, Fostoria, assignor to The National Tractor & Plow Company, Carey, Ohio. Traction-engine driving mechanism. No. 1,262,304; Apr. 9; v. 249; p. 399.
Carpenter, Alexander, assignor to National Tractor & Plow Company, Carey, Ohio. Traction-wheel. No. 1,276,173; Aug. 20; v. 253; p. 569.
Carpenter, Alexander, assignor to National Tractor & Plow Company, Carey, Ohio. Plow. No. 1,276,720; Aug. 27; v. 253; p. 757.
Carpenter, Campbell C., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Alkaline-battery plate. No. 1,257,312; Feb. 26; v. 247; p. 755.
Carpenter, Clifford C., Akron, Ohio. Finder for cameras. No. 1,253,144; Jan. 8; v. 246; p. 529.
Carpenter, David E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrode-shielding device. No. 1,264,270; Apr. 30; v. 249; p. 1029.
Carpenter, Frank J., East Orange, N. J. Enameling apparatus. No. 1,281,762; Oct. 15; v. 255; p. 508.
Carpenter, George F. (See Ziesing and Carpenter.)
Carpenter, George L., Fort Worth, Tex. Sleeve-extractor. No. 1,265,745; May 14; v. 250; p. 269.
Carpenter, Harry G. (See Krusemark, Funkhouser, and Carpenter.)
Carpenter, Henry A., and A. W. Warner, Sewickley, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Gas-retort-charging apparatus. No. 1,261,699; Apr. 2; v. 249; p. 200.
Carpenter, Hezekiah, Haxtum, Colo. Rewinder for motion-picture films. No. 1,270,115; June 18; v. 251; p. 617.
Carpenter, Paul. (See Barbieri and Carpenter.)
Carpenter, Paul. (See Dellenbarger, Charles E., assignor.)
Carpenter, Paul, Chicago, Ill. Ampul. No. 1,254,655; Jan. 29; v. 246; p. 1040.
Carpenter, Robert F., Cleveland, Ohio. Sheet-metal cabinet. No. 1,259,358; Mar. 12; v. 248; p. 446.
Carpenter, Richard J., and T. G. Towner, Oakland, Cal. Pick for musical instruments. No. 1,254,577; Jan. 22; v. 246; p. 989.
Carpenter, Walter W., Lansdowne, Pa. Circuit-breaking device. No. 1,254,477; Jan. 22; v. 246; p. 961.
Carpenter, Warren W., Newark, N. J., assignor by mesne assignments to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,251,637; Jan. 1; v. 246; p. 58.
Carpenter, William A., Greenville, S. C. Scraper. No. 1,260,325; Mar. 26; v. 248; p. 787.
Carpenter, Winfred H., Muncie, Ind. Drop-hammer. No. 1,265,608; May 7; v. 250; p. 200.
Carper, Albert A., Catonsville, Md., assignor to The Stone Straw Company, Washington, D. C. Machine for manufacturing spirally-wound straws. No. 1,252,235; Jan. 1; v. 246; p. 229.
Carper, Albert A., Catonsville, assignor, by mesne assignments, to L. C. Stoudenmire, Baltimore, Md. Bottling-machine. No. 1,258,187; Mar. 5; v. 248; p. 69.
Carper, Albert A., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Packaging apparatus. No. 1,271,432; July 2; v. 252; p. 189.
Carpmill, John F., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Bit. No. 1,267,972; May 28; v. 250; p. 946.
Carr, Allie O., Alzada, Mont., and H. R. Mills, Bellefourche, S. D. Sheep-shelter. No. 1,270,782; July 2; v. 252; p. 8.
Carr, Charles M., San Diego, Cal. Shirt. No. 1,263,034; Apr. 15; v. 249; p. 635.
Carr, Daniel J., Coffeyville, Kans. Wrench. No. 1,278,590; Sept. 10; v. 254; p. 366.
Carr, Edward G., Oakland, Cal. Subgrade-scraper. No. 1,268,925; June 11; v. 251; p. 260.
Carr, Edward G., Oakland, Cal. Templet for concrete-tampers. No. 1,282,043; Oct. 22; v. 255; p. 624.
Carr Fastener Company. (See Anderson, Andrew G., assignor.)
Carr Fastener Company. (See Carr, Fred S., assignor.) (Reissue.)

Carr Fastener Company. (See McMeekin, Thomas J., assignor.) (Reissue.)
Carr, Fred S., Newton, Mass. Rubber heel. No. 1,274,853; Aug. 6; v. 253; p. 146.
Carr, Fred S., Brookline, assignor to Carr Fastener Company, Cambridge, Mass. Stud-and-socket fastener. No. 1,253,349; Jan. 15; v. 246; p. 618.
Carr, Fred S., Brookline, assignor to Carr Fastener Company, Cambridge, Mass. Turn-button fastener. No. 1,253,350; Jan. 15; v. 246; p. 619.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Stud-and-socket fastener. (Reissue.) No. 14,492; July 9; v. 252; p. 482.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. No. 1,278,798; Sept. 10; v. 254; p. 422.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Stud-and-socket fastener. (Reissue.) No. 14,552; Nov. 19; v. 256; p. 616.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Turn-button fastener. No. 1,287,220; Dec. 10; v. 257; p. 291.
Carr, Fred S., assignor to Carr Fastener Company, Cambridge, Mass. Fastener. No. 1,278,799; Sept. 10; v. 254; p. 422.
Carr, Frederick E., Hercules, Cal. Hopper-bottom. No. 1,288,832; Dec. 24; v. 257; p. 743.
Carr, George S., Boston, Mass. Collar device for dogs and other animals. No. 1,262,447; Apr. 9; v. 249; p. 439.
Carr, George T., Owen, Wis. Step-ladder. No. 1,273,031; July 16; v. 252; p. 700.
Carr, Gertrude V., Brooklyn, N. Y. Convertible body for vehicles. No. 1,257,187; Feb. 19; v. 247; p. 682.
Carr, James. (See Breeze and Carr.)
Carr, James J., Auburn, N. Y. Vehicle-signal. No. 1,255,856; Feb. 12; v. 247; p. 255.
Carr, James W., London, England. Tool-holder for metal-working machines. No. 1,261,764; Apr. 9; v. 249; p. 251.
Carr, Michael F., Brooklyn, N. Y. Punching-press. No. 1,259,359; Mar. 12; v. 248; p. 446.
Carr, Paul H., Washington, D. C. Collapsible drinking-cup. No. 1,255,133; Feb. 5; v. 247; p. 6.
Carr, Samuel B., assignor of one-half to R. L. Black, Harrodsburg, Ky. Hemp-breaking machine. No. 1,257,313; Feb. 26; v. 247; p. 755.
Carr, William C., assignor to the Automatic Transportation Company, Buffalo, N. Y. Truck. No. 1,271,273; July 2; v. 252; p. 147.
Carré, Earl E., Caldwell, N. J. Infant's toilet-chair. No. 1,281,763; Oct. 15; v. 255; p. 508.
Carré, Henry B., Nashville, Tenn. Bookcase. No. 1,277,544; Sept. 3; v. 254; p. 58.
Carrell, Newton R., Decatur, Ala. Shoe-nail. No. 1,257,807; Feb. 26; v. 247; p. 900.
Carrick Engineering Co. (See Backlund, Isaac A., assignor.)
Carrico, Frank D., Hamtramck, assignor of one-half to J. H. Neary, Detroit, Mich. Steering-gear. No. 1,256,873; Feb. 19; v. 247; p. 592.
Carrie, Franklin G., administrator. (See Carrie, Mervyn E.)
Carrie, Mervyn E., deceased, Philadelphia, Pa.; F. G. Carrie, administrator, New York, N. Y. Gyroscopic compass. No. 1,253,574; Jan. 15; v. 246; p. 683.
Carrie, Mervyn E., deceased, Philadelphia, Pa.; F. G. Carrie, administrator, assignor of fifteen one-hundredths to G. A. Rossiter, Brooklyn, N. Y. Gyroscopic compass. No. 1,253,666; Jan. 15; v. 246; p. 710.
Carrigan, Thomas J., J. B. Eastman, Los Angeles, and M. E. Magill, Pasadena, Cal.; said Eastman and said Magill assignors to said Carrigan. Sinew-cutting machine. No. 1,255,386; Feb. 5; v. 247; p. 79.
Carringer, James R. (See Holland, Carringer, and Bacheldor.)
Carrino, Andrew, Rock Falls, Ill. Bullet-proof shield. No. 1,282,752; Oct. 29; v. 255; p. 845.
Carris, Le Roy B., Clay county, Iowa. Resilient wheel. No. 1,261,359; Apr. 2; v. 249; p. 105.
Carris, Le Roy B., Sioux Rapids, Iowa. Spring-wheel. No. 1,285,559; Nov. 19; v. 256; p. 611.
Carrm, Bazel E., St. Louis, Mo. Convertible trunk. No. 1,285,935; Nov. 26; v. 256; p. 746.
Carroll, Clarence W. (See Fulford and Carroll.)
Carroll, Daniel. (See Lanterman, George D., assignor.)
Carroll, Edward M., Port Tampa City, Fla. Locomotive arch-brick. No. 1,275,386; Aug. 13; v. 253; p. 319.
Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Wire-drawing machine. No. 1,265,049; May 7; v. 250; p. 50.
Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Clutch. No. 1,266,550; May 21; v. 250; p. 521.
Carroll, Frank H., Denver, Colo. Condiment-holder. No. 1,253,465; Jan. 15; v. 246; p. 653.
Carroll, Frank H., Los Angeles, Cal. Gas control for autos. No. 1,268,214; June 4; v. 251; p. 41.
Carroll, Fred M. (See Braselton and Carroll.)
Carroll, Fred M., Dayton, Ohio. Pencil. No. 1,276,029; Aug. 20; v. 253; p. 527.
Carroll, George P., Hartford, Conn. Safety construction for refrigerant and other fluid circulating apparatus. No. 1,273,577; July 23; v. 252; p. 872.
Carroll, George P., Hartford, Conn. Safety controlling mechanism for compressing-machines. No. 1,273,578; July 23; v. 252; p. 872.
Carroll, Houston M., San Antonio, Tex. Canopy-support. No. 1,260,511; Mar. 26; v. 248; p. 842.
Carroll, James A., St. Louis, Mo. Type-band. No. 1,280,394; Oct. 1; v. 255; p. 78.
Carroll, James T., Billings, Mont. Hollow-slab building structure. No. 1,274,987; Aug. 6; v. 253; p. 183.
Carroll, Thomas, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,265,301; May 7; v. 250; p. 118
Carroll, Thomas H., Philadelphia, Pa. Locking device. No. 1,274,137; July 30; v. 252; p. 1064.
Carroll, Thomas J., Dewey, Okla. Pipe attachment. No. 1,253,145; Jan. 8; v. 246; p. 529.
Carroll, William J., assignor to Sargent & Company, New Haven, Conn. Indicator-lock. No. 1,252,549; Jan. 8; v. 246; p. 355.
Carry, Charles A., Washington, D. C. Foot-rest. No. 1,265,609; May 7; v. 250; p. 200.
Carry, George P., Janesville, Wis. Sewing-machine. No. 1,263,853; Apr. 23; v. 249; p. 881.
Carscadden, Dean F. (See Copeman, Lloyd G., assignor.)
Carscadin, Charles A. (See Burnett, Richard W., assignor.)
Carscadin, Charles A., Chicago, Ill. Yoke for draft-gears. No. 1,283,663; Nov. 5; v. 256; p. 59.
Carscadin, Charles A., assignor to National Car Equipment Company, Chicago, Ill. Draw-bar-yoke key. No. 1,270,116; June 18; v. 251; p. 617.
Carscadin, Charles A., and G. A. Woodman, assignors, by mesne assignments, to American Steel Foundries, Chicago, Ill. Draft-gear. No. 1,287,633; Dec. 17; v. 257; p. 422.
Carse, William J., Laird, Colo. Shocker. No. 1,288,833; Dec. 24; v. 257; p. 744.
Carslaw, John W. D., Prospect, assignor of one-half to J. H. Loeser, Louisville, Ky. Armored interliner for tires. No. 1,267,848; May 28; v. 250; p. 913.
Carson, Alvin T., Limon, assignor to The Domestic Products Corporation, El Paso county, Colo. Sanitary artificial nest-egg. No. 1,263,527; Apr. 23; v. 249; p. 794.
Carson, Carl F., Faxon, Okla. Cattle-poke. No. 1,252,882; Jan. 8; v. 246; p. 449.
Carson, Edward A. (See Gray, George E., asignor.)
Carson, Frank, St. Louis, Mo. Street-railway car. No. 1,252,236; Jan. 1; v. 246; p. 230.
Carson, Frank, St. Louis, Mo. Lock-mounted key-guard. No. 1,279,983; Sept. 24; v. 254; p. 802.
Carson, Frank W., assignor of one-half to A. W. Johnson, Lakeside, Cal. Adding-machine. No. 1,262,171; Apr. 9; v. 249; p. 363.
Carson, George C., San Francisco, Cal. Manufacturing iron. No. 1,287,221; Dec. 10; v. 257; p. 291.
Carson, Jesse F., Cleveland, Ohio, assignor to The Cleveland Electric and Machine Manufacturing Company. Coffee-mill burs. No. 1,262,636; Apr. 16; v. 249; p. 522.
Carson, John A., Huntington, N. Y. System for producing volatile gases. No. 1,286,528; Dec. 3; v. 257; p. 85.
Carson, Joseph P., assignor to Carson Manufacturing Corporation, Richmond, Va. Safety cranking device for motor-vehicles. No. 1,268,543; June 4; v. 251; p. 134.
Carson Manufacturing Corporation. (See Carson, Joseph P., assignor.)
Carson, Pirie, Scott & Co. (See Boyd, Roger J., assignor.)
Carson, Robert N., San Francisco, Cal. Mitten. No. 1,254,578; Jan. 22; v. 246; p. 990.
Carson, Ruth B., Boston, Mass. Dress. No. 1,261,360; Apr. 2; v. 249; p. 195.
Carson, Ulysses S. (See Estes, Henry D., assignor.)
Carson, William E., Riverton, Va. Slaking lime. No. 1,277,855; Sept. 3; v. 254; p. 145.
Carstensen, William E., Quarries, Cal. Safety device for automobiles. No. 1,266,551; May 21; v. 250; p. 522.
Carswell, Joseph S., Boone, Iowa. Rear-axle stand. No. 1,274,681; Aug. 6; v. 253; p. 98.
Carswell, William W., *et al.* (See Golata and Roberts, assignors.)
Carte, Walter A., Butte, Mont. Cotton and sugar-beet chopper. No. 1,283,664; Nov. 5; v. 256; p. 60.
Carter, Alva J., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Universal cord-circuits. No. 1,280,395; Oct. 1; v. 255; p. 78.
Carter, Charles E., Erie, Pa., assignor to F. Strauss, Yonkers, N. Y. Brake mechanism for toy jiggers. No. 1,281,513; Oct. 15; v. 255; p. 443.
Carter, Clarence W. (See Talbert and Carter.)
Carter, Clarence W., Minneapolis, Minn. Wheat-heater. No. 1,286,226; Dec. 3; v. 257; p. 11.
Carter, Daniel, assignor of one-half to J. D. B. McNeice, Toronto, Ontario, Canada. Gas lighting and extinguishing apparatus. No. 1,271,274; July 2; v. 252; p. 148.

Carter, Daniel, assignor of one-half to J. D. B. McNeice, Toronto, Ontario, Canada. Gas lighting and extinguishing apparatus. No. 1,272,331; July 9; v. 252; p. 477.
Carter, Daniel, assignor of one-half to J. D. B. McNeice and A. J. Merrifield, Toronto, Ontario, Canada. Gas lighting and extinguishing apparatus. No. 1,269,049; June 11; v. 251; p. 295.
Carter, Floyd B., assignor to The J. D. Fate Company, Plymouth, Ohio. Locomotive. No. 1,283,665; Nov. 5; v. 256; p. 60.
Carter, Frank W. (See Connor, Maurice N., assignor.)
Carter, Harry H., Kansas City, Mo. Coasting-vehicle. No. 1,278,851; Sept. 17; v. 254; p. 465.
Carter, Jacob U., Cardstown, Alberta, Canada. Mail-box. No. 1,289,651; Dec. 31; v. 257; p. 969.
Carter, James A., St. Louis, Mo. Pneumatic wheel. No. 1,285,618; Nov. 26; v. 256; p. 666.
Carter, James F., Houston, Va. Plow attachment. No. 1,270,926; July 2; v. 252; p. 50.
Carter, Jesse A. (See Bennett, William H., assignor.)
Carter, John V., assignor to The Indiana Manufacturing Company, Indianapolis, Ind. Pneumatic straw-stacker. No. 1,286,939; Dec. 10; v. 257; p. 219.
Carter, Joseph. (See Wilde and Carter.)
Carter, Levy E., Huntsville, Ala. Flue-leak invertor. No. 1,259,956; Mar. 19; v. 248; p. 650.
Carter, Lionel A., St. Louis, Mo. Tail-stock for lathes. No. 1,258,870; Mar. 12; v. 248; p. 307.
Carter, Oscar M., Houston, Tex. Expansive and contractive well-drill. No. 1,271,275; July 2; v. 252; p. 148.
Carter, Percy H., Savannah, Ga. Making fertilizer materials. No. 1,279,838; Sept. 24; v. 254; p. 762.
Carter, Ray L., Syracuse, N. Y. Sanding-machine. No. 1,277,377; Sept. 3; v. 254; p. 12.
Carter Rice & Company. (See Sévigné, Henri A., assignor.)
Carter, Rice & Company. (See Sevigne and Arnold, assignors.)
Carter, Richard M., Oakland, Cal. Turning and stopping signal. No. 1,259,722; Mar. 19; v. 248; p. 580.
Carter, Robert F., Jr., Columbus, Ga. Coin-wrapping device. No. 1,279,984; Sept. 24; v. 254; p. 803.
Carter, Russell S., Hewlett, N. Y. Shock-absorber. No. 1,252,397; Jan. 8; v. 246; p. 309.
Carter, Russell S., Hewlitt, N. Y. Shock-absorber. No. 1,273,329; July 23; v. 252; p. 804.
Carter, Thomas, Belton, S. C., assignor to Draper Corporation, Hopedale, Mass. Filling-end finder and filling-carrier feeder. No. 1,277,376; Sept. 3; v. 254; p. 11.
Carter, Wilber A., Detroit, Mich. Electrical heater for carbureters. No. 1,285,619; Nov. 26; v. 256; p. 666.
Carter, William D., San Jose, Cal. Centrifugal, turbine, and similar pump. No. 1,260,639; Mar. 26; v. 248; p. 881.
Carter, William D., San Jose, Cal. Hydraulic balance for centrifugal pumps. No. 1,267,512; May 28; v. 250; p. 817.
Carter, William W., Needham, Mass. Rubber substitute and making the same. No. 1,251,862; Jan. 1; v. 246; p. 127.
Carter, William W., Needham, Mass. Rubber substitute and making the same. No. 1,251,863; Jan. 1; v. 246; p. 127.
Carter, Willis M., assignor to American Lithographic Company, New York, N. Y. Hinge. No. 1,276,174; Aug. 20; v. 253; p. 569.
Cartheuser, Arthur, West Orange, N. J. Pneumatic-tire casing. No. 1,266,403; May 14; v. 250; p. 450.
Cartlidge, Oscar, Gillespie, Ill. Safety-razor. No. 1,270,783; July 2; v. 252; p. 8.
Carton Belting Company, The. (See Wilmot, Edwin F., assignor.)
Cartwright, Burr M., Syracuse, N. Y. Power-shears. No. 1,275,659; Aug. 13; v. 253; p. 394.
Cartwright, Chapin A., Chicago, Ill. Motor. No. 1,276,721; Aug. 27; v. 253; p. 757.
Carty, Samuel C., Washington, N. C. Refrigerating apparatus. No. 1,277,192; Aug. 27; v. 253; p. 883.
Caruso, John D., *et al.* (See Landolfi, Louis, assignor.)
Carvalho, Josè A. de, Jr., Rio de Janeiro, Brazil. Dental-blowpipe burner. No. 1,253,946; Jan. 15; v. 246; p. 789.
Carvalho, Leslie R. N., assignor to Paragon Metal Cap Co., Brooklyn, N. Y. Machine for making receptacle-closures. No. 1,254,026; Jan. 22; v. 246; p. 832.
Carvalho, Leslie R. N., assignor to Paragon Metal Cap Company, Brooklyn, N. Y. Manufacturing closures for receptacles. No. 1,274,138; July 30; v. 252; p. 1064.
Carver, Ben D., Newton, Tex. Means for escaping from aeroplanes. No. 1,285,034; Nov. 19; v. 256; p. 480.
Carver, George G., assignor to The Jennison-Wright Company, Toledo, Ohio. Wood impregnation. No. 1,256,200; Feb. 12; v. 247; p. 359.
Carver, John D., Walsall, England. Lathe, boring-machine, and the like. No. 1,257,188; Feb. 19; v. 247; p. 683.
Carwalho, Richard I., Ottumwa, Iowa. Milk-bottle holder. No. 1,282,753; Oct. 29; v. 255; p. 845.
Cary, Henry B., assignor of one-half to A. W. Frost, Los Angeles, Cal. Word-counting attachment for typewriting machines. No. 1,265,174; May 7; v. 250; p. 84.
Cary, James H., Boston, Mass., assignor of one-half to W. H. Griffith, Narragansett Pier, R. I. Lock-nut. No. 1,276,175; Aug. 20; v. 253; p. 569.
Cary, James R., Binghamton, N. Y. Scale. No. 1,282,187; Oct. 22; v. 255; p. 665.
Cary, Spencer C., Brooklyn, N. Y. Electric welder. No. 1,276,030; Aug. 20; v. 253; p. 528.
Casablancas, Fernando, Sabadell, Spain. Spinning-frame. No. 1,254,390; Jan. 22; v. 246; p. 936.
Casablancas, Fernando, Sabadell, Spain. Spinning-frame with conducting-belt for the roving. No. 1,254,391; Jan. 22; v. 246; p. 936.
Casaday, James O., South Bend, Ind. Plow-colter. No. 1,260,752; Mar. 26; v. 248; p. 914.
Casalena, Primiano. (See Canepa and Casalena.)
Casanovas, Baltasar F. de, and R. Rubió y Roger, Barcelona, Spain. Time-fuse. No. 1,253,947; Jan. 15; v. 246; p. 789.
Case, Charles A., New Rochelle, N. Y. Mechanical movement. No. 1,283,666; Nov. 5; v. 256; p. 60.
Case, Francis M., assignor of one-half to C. S. Britton and one-half to J. E. Doyle, Cleveland, Ohio. Suction appliance. No. 1,278,852; Sept. 17; v. 254; p. 466.
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Series-parallel system of control for tapped-field motors. No. 1,263,373; Apr. 23; v. 249; p. 749.
Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Switch structure. No. 1,275,846; Aug. 13; v. 253; p. 445.
Case, G. Harry, Philadelphia, Pa. Punching and shearing machine frame. No. 1,279,255; Sept. 17; v. 254; p. 574.
Case, Glen R. (See Fargo and Case.)
Case Hardening Service Company, The. (See Abbott, Robert R., assignor.)
Case, Henry J., Poughkeepsie, N. Y., assignor to Moline Plow Company. Bundle-carrier for grain-binders. No. 1,272,007; July 9; v. 252; p. 385.
Case, Homer W., assignor to Pittsburgh Toy Vehicle Company, Pittsburgh, Pa. Child's vehicle. No. 1,258,871; Mar. 12; v. 248; p. 307.
Case, Manna D., Chicago, Ill. Alarm-clock. No. 1,264,897; May 7; v. 250; p. 7.
Case Manufacturing Corporation, The. (See Muckle, Theodore W., assignor.)
Case & Martin Company. (See Ehrlich, William, assignor.)
Case, Ralph E., South Norwalk, Conn., assignor to The R. U. V. Company, Inc., New York, N. Y. Sterilizing apparatus. No. 1,277,378; Sept. 3; v. 254; p. 12.
Casella, Secondo L., New York, N. Y., assignor, by mesne assignments, to National Carbon Company. Machine for making battery-cups. No. 1,281,514; Oct. 15; v. 255; p. 443.
Casey, Arthur J. (See Walters and Casey.)
Casey, Frank, assignor to The Stone Straw Company, Washington, D. C. Mandrel. No. 1,255,134; Feb. 5; v. 247; p. 7.
Casey, Frederick H., Gardner, Mass. Inkstand. No. 1,260,870; Mar. 26; v. 248; p. 945.
Casey, William F. J., and G. Cavin, Kingston, Ontario, Canada. Truck-centering device. No. 1,283,074; Oct. 29; v. 255; p. 935.
Casey, William P., Oshkosh, Wis. Sash-tool. No. 1,268,215; June 4; v. 251; p. 41.
Casgrain, Louis A., Beverly, Mass. Engine-primer. No. 1,281,291; Oct. 15; v. 255; p. 382.
Casgrain, Louis A., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-support-controlling mechanism. No. 1,279,512; Sept. 24; v. 254; p. 667.
Casgrain, Louis A., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. No. 1,280,160; Oct. 1; v. 255; p. 12.
Casgrain, Louis A., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heeling-machine. No. 1,280,161; Oct. 1; v. 255; p. 12.
Casgrain, Louis A., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for breasting the heels of boots and shoes. No. 1,289,652; Dec. 31; v. 257; p. 970.
Cash, Arthur W., assignor to United States Wire Mat Company, Decatur, Ill. Implement or device for killing or disabling insects, flies, or the like. No. 1,279,985; Sept. 24; v. 254; p. 803.
Cash, Arthur W., assignor to A. W. Cash Company, Decatur, Ill. Pressure reducing and regulating valve. No. 1,286,872; Dec. 3; v. 257; p. 163.
Cash, John W., Girard township, Macoupin county, Ill. Automobile reverse-guard. No. 1,258,315; Mar. 5; v. 248; p. 106.
Cashell, George F., Brookville, Md. Hame and trace connector. No. 1,257,808; Feb. 26; v. 247; p. 900.
Cashman, Clarence G., Waynesboro, Pa. Reamer-head. No. 1,284,593; Nov. 12; v. 256; p. 328.

Alphabetical list of patentees—Continued.

Cashman, Thomas F. (See Campbell, Ernest, assignor.)
Cashwell, Hosea. (See McCarty, Thomas A., assignor.)
Caskey, Frank L., Buffalo, N. Y. Powder-drying apparatus. No. 1,262,448; Apr. 9; v. 249; p. 439.
Caskey, Thomas H., Jr., Caney, Ky. Cooking-vessel attachment. No. 1,253,146; Jan. 8; v. 246; p. 529.
Casler, Herman, Canastota, N. Y. Center-indicator. No. 1,252,777; Jan. 8; v. 246; p. 421.
Casler, William A., Louisville, Ky. Stoker. No. 1,263,035; Apr. 16; v. 249; p. 635.
Casner, Thaddius, *et al.* (See Hammond, Leander W., assignor.)
Cason, Charles W., Sr., Camden, N. J. Railway-tie. No. 1,272,008; July 9; v. 252; p. 386.
Cason, James M., Piedmont, S. C. Thresher. No. 1,252,398; Jan. 8; v. 246; p. 310.
Casper, Albert, assignor of one-third to W. W. Weir, Vallejo, Cal. Meter-box. No. 1,276,031; Aug. 20; v. 253; p. 528.
Casper, Albert, assignor of one-third to W. W. Weir, Vallejo, Cal. Conduit connection. No. 1,279,256; Sept. 17; v. 254; p. 574.
Casper, Charles, Belton, Mo. Lock for mail-bags, trunks, boxes, and the like. No. 1,252,883; Jan. 8; v. 246; p. 449.
Casper, Edward A., and J. K. Symonds, Dunlap, Ill. Device for feeding slop or swill. No. 1,269,580; June 18; v. 251; p. 472.
Casper, Irwin G., Philadelphia, Pa. Container for talking-machine records. No. 1,276,326; Aug. 20; v. 253; p. 610.
Cass, Freeman, Brooklyn, assignor to Mitchell-Bissell Co., New York, N. Y. Thread-guide for textile-machines. No. 1,262,750; Apr. 16; v. 249; p. 554.
Cass, Freeman, Brooklyn, assignor to Mitchell-Bissell Co., New York, N. Y. Thread-guide for shuttles. No. 1,282,754; Oct. 29; v. 255; p. 846.
Cass, George J., Mexico, Mo. Reel support and turner. No. 1,266,404; May 14; v. 250; p. 450.
Cass, Thomas M., Tyler, Tex. Apparatus for separating and cleaning hulls and trash from seed-cotton. No. 1,287,222; Dec. 10; v. 257; p. 292.
Cassady, D. V. (See Garland and Clinard, assignors.)
Cassady-Fairbank Manufacturing Company. (See Neumann, Frank A., assignor.)
Cassady, Ulysses G., assignor to Primolite Company, Indianapolis, Ind. Dimming-lens for headlights. No. 1,260,966; Mar. 26; v. 248; p. 971.
Cassard, Hamilton. (See McCaffray, Edmund, assignor.)
Cassel, Edmund H., Madrid, Iowa. Device for oiling axle-spindles with hard oil. No. 1,267,628; May 28; v. 250; p. 850.
Cassel, Elmer F., New York, N. Y. Trousers presser, creaser, and hanger. No. 1,267,375; May 28; v. 250; p. 779.
Cassel, Elmer F., New York, N. Y. Washing-machine. No. 1,271,433; July 2; v. 252; p. 189.
Cassel, Gunnar E., Wattholma, Sweden. Traction-wheel. No. 1,263,643; Apr. 23; v. 249; p. 825.
Cassel, Gunnar E., Stockholm, assignor to A. L. O. A. Leffler, Djursholm, Sweden. Power-transmission device. No. 1,261,211; Apr. 2; v. 249; p. 61.
Cassel, Gunnar E., Stockholm, assignor to A. L. O. A. Leffler, Djursholm, Sweden. Power-transmission gear. No. 1,277,193; Aug. 27; v. 253; p. 883.
Casselman, John B., Oakland, Cal. Railway signal and train-stop system. No. 1,266,405; May 14; v. 250; p. 451.
Cassens, Charles F. (See Richter, Hermann E., assignor.)
Casserly, Thomas D., Chicago, Ill., assignor to Abram Cox Stove Company, Philadelphia, Pa. Boiler-furnace. No. 1,276,490; Aug. 20; v. 253; p. 657.
Cassidy, George W., New York, N. Y. Hood or shade for a lamp. (Reissue.) No. 14,511; Aug. 27; v. 253; p. 922.
Cassidy, John C., St. Louis, Mo. Garment-supporter. No. 1,285,035; Nov. 19; v. 256; p. 480.
Cassidy, John H., Montreal, Quebec, Canada. Life-saving suit. No. 1,271,017; July 2; v. 252; p. 75.
Cast Steel Locomotive Ash Pan Company. (See Pflager, Harry M., assignor.)
Castagner, Arthur R., Minneapolis, Minn. Carbureter. No. 1,253,936; Jan. 15; v. 246; p. 786.
Castanho, Elisiario, São Paulo, Brazil. Device for preventing derailment. No. 1,252,998; Jan. 8; v. 246; p. 485.
Castano, Louis B., Chaparra, Cuba. Safety attachment for cars. No. 1,289,653; Dec. 31; v. 257; p. 970.
Castberg, Thomas. (See Blankenhorn and Castberg.)
Castellano, Arthur S., Jacksonville, Fla. Gas-generating jar. No. 1,257,314; Feb. 26; v. 247; p. 755.
Castellar, August, Pueblo, Colo. Shipping-box. No. 1,263,036; Apr. 16; v. 249; p. 635.
Caster, George W., Ottumwa, Iowa. Cement-block machine. No. 1,252,659; Jan. 8; v. 246; p. 386.
Castle, Frank, Sprigg, W. Va. Farm-gate. No. 1,253,783; Jan. 15; v. 246; p. 743.
Castle, George T., Olympia, Wash. Power attachment for automobiles. No. 1,257,976; Mar. 5; v. 248; p. 8.
Castleman, Francis L., Pencoyd, Pa. Rail-fastening. No. 1,259,488; Mar. 19; v. 248; p. 514.
Castleman, Samuel T., assignor to Long Life Lumber Company, Louisville, Ky. Tank or trough construction. No. 1,255,078; Jan. 29; v. 246; p. 1165.
Castner-Kellner Alkali Company Limited. (See Moore, Joseph W., assignor.)
Castor, Herbert, McKeesport, Pa. Heat-insulating material and making the same. No. 1,288,834; Dec. 24; v. 257; p. 744.
Casuso, Jesús, assignor of one-fourth to F. Rustant, Manila, Philippine Islands. Non-refillable bottle. No. 1,261,212; Apr. 2; v. 249; p. 61.
Caswell, Ann E. (See Caswell, William B., assignor.)
Caswell, Wallace, Cherokee, Iowa. Baling-machine. No. 1,274,682; Aug. 6; v. 253; p. 98.
Caswell, William B., assignor of one-fifth to A. E. Caswell, Newport, R. I. Window-shade-roller bracket. No. 1,267,312; May 21; v. 250; p. 733.
Caswell, Winfield B., East Orange, N. J. Davit and means for operating the same. No. 1,258,316; Mar. 5; v. 248; p. 106.
Cater, George H., Antioch, Cal. Mechanical movement. No. 1,254,981; Jan. 29; v. 246; p. 1138.
Cates, Dafford D., Memphis, Tenn. Carbureter-controlling mechanism. No. 1,268,680; June 4; v. 251; p. 173.
Cates, Lorwin N., St. Louis, Mo. Tooth-brush. No. 1,268,544; June 4; v. 251; p. 134.
Cathcart, Frank H., Cottage Park, Va. Change-speed-gear transmission mechanism. No. 1,282,540; Oct. 22; v. 255; p. 760.
Cathcart, Frank H., Trenton, N. J., assignor, by mesne assignments, to Safety First Manufacturing Company, Incorporated, Alexandria, Va. Water-column and gage-cock. No. 1,269,050; June 11; v. 251; p. 295.
Cathcart, Orie. (See Eck and Cathcart.)
Cathcart, Robert M., Ballston, Va. Trimmer for photographic prints. No. 1,267,055; May 21; v. 250; p. 664.
Cathey, Hardy L., Tulsa, assignor of three-tenths to T. W. Patterson, forty one-hundredths to W. J. Enochs, B. F. Enochs, W. Enochs, and P. Enochs, and one-tenth to J. Patterson, Clinton, Okla. Safety-vent for oil containers. No. 1,287,223; Dec. 10; v. 257; p. 292.
Cathrill, Jack, assignor to L. R. Fenn, Hollywood, Cal. Electric lamp. No. 1,269,904; June 18; v. 251; p. 563.
Cathriner, Joe, *et al.* (See Dugan, Joseph A., assignor.)
Catlett, Charles, Staunton, Va. Oxysalt composition and making the same. No. 1,282,188; Oct. 22; v. 255; p. 665.
Catlett, Harry, assignor to Schalk Chemical Company, Los Angeles, Cal. Paint-dissolver. No. 1,280,162; Oct. 1; v. 255; p. 13.
Catlin, George L., and D. Morrison, Port Allegany, assignors to R. W. Hilton, Smethport, Pa. Glass-drawing furnace. No. 1,255,983; Feb. 12; v. 247; p. 293.
Catlin, Robert M., Franklin, N. J., assignor to Catlin Shale Products Company, Wilmington, Del. Apparatus for the treatment of shale or the like. No. 1,272,377; July 16; v. 252; p. 516.
Catlin Shale Products Company. (See Catlin, Robert M., assignor.)
Catlin, Thomas S. (See Catlin, Winfield, assignor.)
Catlin, Winfield, Rockville, assignor of one-half to T. S. Catlin, Guion, Ind. Sanitary milk-pail. No. 1,268,792; June 4; v. 251; p. 205.
Cato, Dean A., assignor of one-half to F. E. Van Winkle, Springfield, Ill. Ironing-board. No. 1,279,986; Sept. 24; v. 254; p. 803.
Caton, Irwin L., Asheville, N. C. Desk attachment for tables. No. 1,268,926; June 11; v. 251; p. 261.
Catron, John, Rosenberg, Tex. Burner. No. 1,276,619; Aug. 20; v. 253; p. 693.
Catron, Wm. M., *et al.* (See McGahan, George A., assignor.)
Catterlin, Charles C., Wooddale, Del. Direction-indicator. No. 1,260,640; Mar. 26; v. 248; p. 882.
Catucci, Pliny, Newark, N. J., assignor, by mesne assignments, to Otto Heineman Phonograph Supply Co., Inc., New York, N. Y. Vertical-spindle bearing. No. 1,263,205; Apr. 16; v. 249; p. 684.
Catucci, Pliny, Newark, N. J., assignor, by mesne assignments, to Otto Heineman Phonograph Supply Co., Inc., New York, N. Y. Spring-motor-winding spindle. No. 1,270,265; June 25; v. 251; p. 684.
Catucci, Pliny, Newark, N. J., assignor, by mesne assignments, to Otto Heineman Phonograph Supply Co., Inc., New York, N. Y. Stop mechanism for talking-machines. No. 1,277,546; Sept. 3; v. 254; p. 59.
Catucci, Pliny, Newark, N. J., assignor, by mesne assignments, to Otto Heineman Phonograph Supply Co., Inc., New York, N. Y. Adjustable pivot-bearing. No. 1,280,342; Oct. 1; v. 255; p. 64.
Catucci, Pliny, and A. Vasselli, Newark, N. J., assignors, by mesne assignments, to Otto Heineman Phonograph Supply Co., Inc., New York, N. Y. Stop mechanism for talking-machines. No. 1,277,545; Sept. 3; v. 254; p. 58.
Caudle, Joseph J., Richmond, Va., assignor to British American Tobacco Company Ltd., New York, N. Y. Machine for making cigarette-containers. No. 1,283,072; Oct. 29; v. 255; p. 935.
Caudle, Melven A., assignor of one-half to R. A. Hill, Mabscott, W. Va. Harrow attachment. No. 1,251,636; Jan. 1; v. 246; p. 57.

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Caudron, René, Issy les Moulineaux, France. Controlling device. No. 1,254,982; Jan. 29; v. 246; p. 1139.
Caughey, Joseph, Mildura, Victoria, Australia. Means for winding, tightening, straining, and the like. No. 1,264,011; Apr. 23; v. 249; p. 925.
Caughlin, Frank W. (See Defenbaugh, Charles C., assignor.)
Caughling, Frank W., assignor to The National Railway Equipment Company, Toledo, Ohio. Dust-guard. No. 1,262,172; Apr. 9; v. 249; p. 364.
Cauley, William F., Wade, Miss. Washing implement. No. 1,271,852; July 9; v. 252; p. 339.
Causey, Daniel W., Norfolk, Va. Machine for repointing phonograph-needles. No. 1,256,978; Feb. 19; v. 247; p. 623.
Causey, Daniel W., Norfolk, Va. Needle-sharpening device. No. 1,287,224; Dec. 10; v. 257; p. 292.
Causton, Howard C., Vancouver, British Columbia, Canada. Electrically-heated cooking vessel. No. 1,273,821; July 30; v. 252; p. 974.
Cavaglieri, Giuseppe, Los Angeles, Cal. Window-screen. No. 1,260,641; Mar. 26; v. 248; p. 882.
Cavanagh, James, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe. No. 1,268,432; June 4; v. 251; p. 103.
Cavanagh, James, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for operating upon the bottoms of boots and shoes. No. 1,275,221; Aug. 13; v. 253; p. 273
Cavanagh, James, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-exhibiting apparatus. No. 1,282,755; Oct. 29; v. 255; p. 846.
Cavanagh, John F., assignor to Connecticut Telephone & Electric Company, Meriden, Conn. Electric switch. No. 1,288,381; Dec. 17; v. 257; p. 606.
Cavanagh, John F., assignor to Connecticut Telephone & Electric Co., Meriden, Conn. Switch. No. 1,289,654; Dec. 31; v. 257; p. 970.
Cavanaugh, James F. (See Dow and Cavanaugh.)
Cavanaugh, Leander J., Swampscott, Mass. Soilproof fabric and making the same. No. 1,277,695; Sept. 3; v. 254; p. 101.
Cave, Henry. (See Bucknam and Cave.)
Cave, Henry, Elizabeth, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Autogenous-welding trainer. No. 1,286,529; Dec. 3; v. 257; p. 85.
Cave, Ulysses G., assignor to Multiplex Sales Register Company, Louisville, Ky. Autographic register. No. 1,263,037; Apr. 16; v. 249; p. 635.
Caverley, William W., Vancouver, British Columbia, Canada. Sink-pipe-cleaning device. No. 1,271,853; July 9; v. 252; p. 339.
Caverno, Xenophon, Kewanee, Ill. Pumping apparatus. No. 1,278,853; Sept. 17; v. 254; p. 466.
Cavers, Thomas W., Copperhill, Tenn. Smelting copper and like ores. No. 1,259,467; Mar. 12; v. 248; p. 477.
Cavicchi, Ercole, Quincy, Mass. Rotary grinding and polishing tool. No. 1,260,326; Mar. 26; v. 248; p. 788.
Cavin, Gustave. (See Casey and Cavin.)
Cayo, Julius N., Gary, Ind. Can-opener. No. 1,276,620; Aug. 20; v. 253; p. 693.
Cayo, Julius N., assignor to the Red-Devil-Speed Hammer Company, Gary, Ind. Riveting-machine. No. 1,271,276; July 2; v. 252; p. 148.
Cecil, Victor A. G., Colchester, England. Water-heater. No. 1,285,036; Nov. 19; v. 256; p. 480.
Cecil, William A., assignor of one-half to R. R. Williams, Evansville, Ind. Preserving wood. No. 1,253,667; Jan. 15; v. 246; p. 710.
Cedaroid Co. (See Nagle, Peter J., assignor.)
Cedervall, Clarence E., Rockford, Ill. Non-refillable bottle. No. 1,255,079; Jan. 29; v. 246; p. 1165.
Celite Products Company. (See Anneke, Percy S., assignor.)
Celite Products Company. (See Boeck, Percy A., assignor.)
Celite Products Company. (See Thatcher, Harry S., assignor.)
Celluloid Company, The. (See Lindsay, William G., assignor.)
Cement Products Company. (See Loffland, Roy, assignor.)
Cement Products Company. (See Singers and Loffland, assignors.)
Central Commercial Company. (See Wardell, Henry R., assignor.)
Central Electric Company. (See Sturgeon, Guy F., assignor.)
Central Flatiron Mfg. Co., The. (See Heckmann, Harry G., assignor.)
Central Foundry Company, The. (See Rust, Robert R., assignor.)
Central Oil & Gas Stove Company. (See White and Hooper, assignors.)
Central Railway Signal Company. (See Clark, George N., assignor.)
Central Railway Signal Company. (See Dutcher, Frank, assignor.)
Central Railway Signal Company. (See Pattison, Allen S. and H. A., assignors.)
Central Specialty Manufacturing Co. (See Walker, Frank O., assignor.)
Century Storage Battery Company. (See Land, Edmund, assignor.)
Central Tool Company, The. (See Jaques, Fernando O., Sr., assignor.)
Central Trust Company of Illinois, trustee. (See Ewen, Malcolm F., assignor.)
Central West Manufacturing Co. (See Woodward, Irving C., assignor.)
Centrum Syndicate Limited, The. (See Tacchi, Percy G., assignor.)
Century Cabinet Company, The. (See Baum, Shular, assignor.)
Ceramic Machinery Company. (See Yingling, Frank B., assignor.)
Cerar, Frank, and J. Ogrinc, Brooklyn, N. Y. Resilient shoe-heel. No. 1,261,488; Apr. 2; v. 249; p. 140.
Cercone, Antonio, Burlington, Vt. Musical instrument. No. 1,288,382; Dec. 17; v. 257; p. 606.
Ceretti, Arnaldo, Montreal, Quebec, Canada. Diving-bell. No. 1,257,809; Feb. 26; v. 247; p. 901.
Cernigliaro, Nicholas, Vineland, N. J. Waterproof cigarette-case. No. 1,289,655; Dec. 31; v. 257; p. 970.
Cerny, Frank W., Mesa, Ariz. Bag-holder. No. 1,265,996; May 14; v. 250; p. 340.
Cerny, Frank W., Mesa, Ariz. Support. No. 1,286,940; Dec. 10; v. 257; p. 219.
Cerpial, Ignacy, South Bend, Ind. Belt-fastener. No. 1,259,360; Mar. 12; v. 248; p. 446.
Cerpial, Ignacy, South Bend, Ind. Washboiler. No. 1,259,361; Mar. 12; v. 248; p. 446.
Cerpial, Ignacy, South Bend, Ind. Vegetable-boiler. No. 1,271,530; July 2; v. 252; p. 216.
Certipure Company. (See Beling, Leopold, assignor.)
Cervenka, Emanuel, Paris, France. Apparatus for repairing incandescent electric lamps. No. 1,263,644; Apr. 23; v. 249; p. 825.
Cevola, Alfonso. (See Tyler, Claude B., assignor.)
Chabala, John, Cuddy, Pa. Coal elevator and loader. No. 1,263,528; Apr. 23; v. 249; p. 794.
Chabala, John, Cuddy, Pa. Car-brake. No. 1,270,377; June 25; v. 251; p. 715.
Chabala, John, Cuddy, Pa. Mine apparatus. No. 1,271,277; July 2; v. 252; p. 149.
Chacon, Carlos P., Bogotá, Colombia, assignor of six-tenths to C. F. Clark y Padro, New York, N. Y. Explosive-bomb. No. 1,283,075; Oct. 29; v. 255; p. 936.
Chadbourne, Alexander M., *et al.* (See White, Frank D., assignor.)
Chadeloid Chemical Company. (See McAdam, Charles, assignor.)
Chadima, Frank, assignor to J. G. Cherry Company, Cedar Rapids, Iowa. Apparatus for pasteurizing, cooling, and ripening milk, cream, and other liquids. (Reissue.) No. 14,512; Aug. 27; v. 253; p. 922.
Chadwick, Francis C., and G. H. Tansley, assignors to Colts' Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearm. No. 1,277,379; Sept. 3; v. 254; p. 12.
Chadwick, John M., Dayton, Ohio. Window-display device. No. 1,254,983; Jan. 29; v. 246; p. 1139.
Chadwick, Lee S., East Cleveland, Ohio. Automatic control mechanism for vehicles. No. 1,251,639; Jan. 1; v. 246; p. 59.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Oil-burner. No. 1,251,638; Jan. 1; v. 246; p. 58.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Oil-burner. No. 1,255,582; Feb. 5; v. 247; p. 136.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Water-heating apparatus. No. 1,258,394; Mar. 5; v. 248; p. 129.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Safety-burner. No. 1,268,216; June 4; v. 251; p. 41.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Latch. No. 1,271,131; July 2; v. 252; p. 105.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Thermometer installation. No. 1,274,512; Aug. 6; v. 253; p. 49.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Oil-stove. No. 1,274,989; Aug. 6; v. 253; p. 184.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Oil-stove. No. 1,276,872; Aug. 27; v. 253; p. 796.
Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Burner. No. 1,285,936; Nov. 26; v. 256; p. 746.
Chadwick, Lee S., assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Wick-stop. No. 1,258,395; Mar. 5; v. 248; p. 130.
Chadwick, Lee S., assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Joint. No. 1,274,988; Aug. 6; v. 253; p. 184.

Chadwick, Lee S., assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Refrigerator. No. 1,281,909; Oct. 15; v. 255; p. 549.
Chadwick, Thomas H., Arnold, Pa. Method of and apparatus for drawing sheet-glass. No. 1,267,849; May 28; v. 250; p. 913.
Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window construction. No. 1,286,941; Dec. 10; v. 257; p. 219.
Chaffee, Rollo N., Duluth, Minn. Leaf-spring. No. 1,281,292; Oct. 15; v. 255; p. 382.
Chaffin, Horatio C. (See Grabill, John F., assignor.)
Chaffin, Horatio C., *et al.* (See Grabill, John F., assignor.)
Chaffin, Louis M., Torrey, Utah. Land-leveling machine. No. 1,281,910; Oct. 15; v. 255; p. 550.
Chain Belt Company. (See Fraser, Donald, assignor.)
Chain Belt Company. (See Levalley, Fraser, and Shafer, Jr., assignors.)
Chain Belt Company. (See Shafter, Samuel, Jr., assignor.)
Chafnat, André J., Paris, France. Escapement device. No. 1,273,734; July 23; v. 252; p. 912.
Chalender, Thomas W., Garwood, Idaho. Saw-set. No. 1,268,681; June 4; v. 251; p. 173.
Chalfant, Allen S., Somerset, Ohio. Adjustable hinge. No. 1,255,291; Feb. 5; v. 247; p. 50.
Challenge Machinery Co., The. (See Lee, James E., assignor.)
Challenge Refrigerator Company. (See Broekema, Jacob, assignor.)
Challenge Refrigerator Company. (See Hillman, Herbert H., assignor.)
Challenge Tractor Company. (See Holmes, Ephraim M., assignor.)
Challet, Etienne, Geneva, Switzerland, assignor to L. Heller & Son, New York, N. Y. Machine for rough-cutting precious stones. No. 1,261,765; Apr. 9; v. 249; p. 251.
Challet, Etienne, Geneva, Switzerland, assignor to L. Heller & Son, New York, N. Y. Machine for fixing precious stones on the stone-carriers employed in lapidary operations. No. 1,261,766; Apr. 9; v. 249; p. 251.
Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,275,387; Aug. 13; v. 253; p. 319.
Chalmers Motor Corporation. (See Crawford, James, assignor.)
Chalone, Charles A., Aberdeen, Md. Spring-tire. No. 1,272,215; July 9; v. 252; p. 443.
Chalsmith Company, The. (See Smith, Mayer, and Vergan, assignors.)
Chamberlain, George W., Atlanta, Ga. Spring-motor. No. 1,274,243; July 30; v. 252; p. 1094.
Chamberlain, Louie H. (See Yaryan and Chamberlain.)
Chamberlain, Minor E., Lebanon, Mo. Resilient wheel. No. 1,257,673; Feb. 26; v. 247; p. 860.
Chamberlain, Minor E., St. Louis, Mo. Mold. No. 1,268,682; June 4; v. 251; p. 173.
Chamberlain, Robert J. (See Hirsh, Leo, assignor.)
Chamberlain, Zear J., and F. Low, St. Louis, Mo. Nut-cracker. No. 1,254,119; Jan. 22; v. 246; p. 859.
Chamberland, William D., assignor of one-half to T. J. Pagel, Minneapolis, Minn. Connecting-rod jig. No. 1,271,018; July 2; v. 252; p. 76.
Chamberlen, Perry R., Seattle, Wash. Fireless cooker. No. 1,275,222; Aug. 13; v. 253; p. 273.
Chamberlin, Albert V., Coeur d'Alene, Idaho. Coin-wrapper. No. 1,263,854; Apr. 23; v. 249; p. 881.
Chamberlin, Benjamin D., Rochester, N. Y., assignor to Empire Machine Company, Portland, Me. Apparatus for the manufacture of blown-glass articles. No. 1,256,979; Feb. 19; v. 247; p. 623.
Chamberlin, Benjamin D., Rochester, N. Y., assignor to Empire Machine Company, Portland, Me. Process of flowing glass. No. 1,256,980; Feb. 19; v. 247; p. 624.
Chamberlin, Clarence P., assignor to Joseph N. Smith & Company, Detroit, Mich. Wind-shield and frame. No. 1,286,530; Dec. 3; v. 257; p. 86.
Chamberlin, Elzie C., Denison, Iowa. Spectacle-pliers. No. 1,259,078; Mar. 12; v. 248; p. 367.
Chamberlin Metal Weather Strip Company. (See Glaser and Burch, assignors.)
Chamberlin, Newton F., Libertyville, Ill. Submarine tower-barge for raising sunken vessels. No. 1,276,327; Aug. 20; v. 253; p. 610.
Chambers, Frank A., Minneapolis, assignor of one-half to R. Beier and I. L. Landis, jointly, St. Paul, Minn. Rim-lock for demountable rims. No. 1,285,937; Nov. 26; v. 256; p. 746.
Chambers, Frank B., Buffalo, N. Y. Apparatus for filling receptacles with liquids. No. 1,255,984; Feb. 12; v. 247; p. 293.
Chambers, James C., St. Louis, Mo. Motion-picture-projecting machine. No. 1,278,591; Sept. 10; v. 254; p. 366.
Chambers, Samuel B., Chicago, Ill. Producing laundry starch. No. 1,276,722; Aug. 27; v. 253; p. 758.
Chambers Valve Company. (See Coffey, Joseph M., assignor.)
Chambers, Walter. (See Bradburn and Chambers.)
Chambley, Alexander. (See Stacker, Ernest C., assignor.)
Champagne, Arthur J., assignor to C. W. Schildwachter, New York, N. Y. Demountable top for motor-vehicles. No. 1,274,854; Aug. 6; v. 253; p. 146.
Champion, Abraham L., Boston, Mass. Step-ladder. No. 1,274,683; Aug. 6; v. 253; p. 98.
Champion, Albert, and T. G. McDougal, assignors to Champion Ignition Company, Flint, Mich. Insulating material and body composed thereof. No. 1,262,305; Apr. 19; v. 249; p. 399.
Champion, Albert J. (See Schmidt, Albert, assignor.)
Champion, Albert J., assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,263,038; Apr. 16; v. 249; p. 636.
Champion Ignition Company. (See Champion, Albert J., assignor.)
Champion Ignition Company. (See Champion and McDougal, assignors.)
Champion Ignition Company. (See Schmidt, Albert, assignor.)
Champion, John W., Colorado Springs, Colo. Railway-tie. No. 1,253,784; Jan. 15; v. 246; p. 744.
Champion, Leon. (See Macomber and Champion.)
Champion Manufacturing and Sales Company. (See Vaughn and Bruninga, assignors.)
Champion Recording Machine Company. (See Craig and Coffman, assignors.)
Champion Register Company, The. (See Marbach, Frank G., assignor.)
Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)
Champion Shoe Machinery Company. (See Mahler, Louis F., assignor.)
Champlin, Charles A. (See Kohn, Maurice R., assignor.)
Champlin, Jane D., *et al.* (See Graf, Emil, assignor.)
Champlin, Myron A., Washington, D. C. Link belt. No. 1,257,579; Feb. 26; v. 247; p. 833.
Champlin, Raymond, assignor of one-fourth to H. A. Todd and one-fourth to R. G. Cook, Bremerton, Wash. Spark-plug. No. 1,274,002; July 30; v. 252; p. 1025.
Champlin, Tint, Little Valley, N. Y., Combined knife and wrench. No. 1,258,396; Mar. 5; v. 248; p. 130.
Champney, Ralph P., Worcester, Mass. Driving apparatus. No. 1,252,550; Jan. 8; v. 246; p. 355.
Champney, Ralph P., Worcester, Mass. Driving-belt. No. 1,282,189; Oct. 22; v. 255; p. 665.
Chanaud, Jean, New York, N. Y. Exercising apparatus. No. 1,285,620; Nov. 26; v. 256; p. 666.
Chance and Hunt. (See Holley and Webb, assignors.) (Reissue.)
Chance & Hunt. (See Hunt and Glidden, assignors.)
Chance, Lulu M., Riverside, Cal. Paper cut-out. No. 1,285,037; Nov. 19; v. 256; p. 481.
Chance, Lulu M., Riverside, Cal. Drill device. No. 1,285,038; Nov. 19; v. 256; p. 481.
Chanchuck, John, Burlington, N. D. Smoke-strainer for pipes. No. 1,254,478; Jan. 22; v. 246; p. 962.
Chandler Development Corporation. (See Chandler, Edward F., assignor.)
Chandler, Earl A. (See Baker and Chandler.)
Chandler, Edward F., Brooklyn, N. Y., assignor to Chandler Development Corporation. Torpedo-boat. No. 1,266,103; May 14; v. 250; p. 370.
Chandler, Harry H., New York, N. Y. Iodin fountain-brush. No. 1,261,700; Apr. 2; v. 249; p. 200.
Chandler, Jason M., Groesbeck, Tex. Fluid-vending machine. No. 1,260,871; Mar. 26; v. 248; p. 945.
Chandler, James A. (See Manuel, William H., assignor.)
Chandler, James M. (See Goodyear and Chandler.)
Chandler, Millard F., Chandler Springs, Ala. Churn-lid clamp. No. 1,279,513; Sept. 24; v. 254; p. 668.
Chandler Motor Car Company, The. (See Whitbeck, John V., assignor.)
Chaney, Bailey E., Corpus Christi, Tex. Vacuum cotton-picking machine. No. 1,256,438; Feb. 12; v. 247; p. 429.
Chaney, Lee F., Springfield, Ohio. Priming-pump for explosive-engines. No. 1,265,881; May 14; v. 250; p. 308.
Chaney, Newcomb K., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,287,634; Dec. 17; v. 257; p. 422.
Channell, Charles A., Chicago, Ill., assignor to Channell Chemical Company. Mop. No. 1,254,776; Jan. 29; v. 246; p. 1079.
Channell Chemical Company. (See Brown, Peter, assignor.)
Channell Chemical Company. (See Channell, Charles A., assignor.)
Chantiny, Frank T. (See Chantiny, George J. and F. T.)
Chantiny, George J. and F. T., Silverwood, Mich. Traction-engine. No. 1,261,701; Apr. 2; v. 249; p. 201.
Chantraine, Alphonse B., Marcinelle, Belgium. Heating apparatus. No. 1,265,746; May 14; v. 250; p. 269.
Chapal, Antonin. (See Weiss, Louis T., assignor.)
Chapin, Edward E., Wyoming, N. J. Filter. No. 1,288,508; Dec. 24; v. 257; p. 664.
Chapin, George M., *et al.* (See Chapman, Raymond M., assignor.)
Chapin, Robert W., *et al.* (See Chapman, Raymond M., assignor.)
Chapin, Sumner R., Springfield, Mass. Direction-indicator for motor-vehicles. No. 1,275,131; Aug. 6; v. 253; p. 222.

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Chaplin, Manley J., Seattle, Wash., assignor to R. A. Brown, New York, N. Y. Oxidizing apparatus. No. 1,272,009; July 9; v. 252; p. 386.
Chapman, Byron V., Newberry, S. C. Arm-shield. No. 1,270,697; June 25; v. 251; p. 802.
Chapman, Charles C., assignor to The Toledo Web Press Manufacturing Company, Toledo, Ohio. Press. No. 1,260,967; Mar. 26; v. 248; p. 971.
Chapman, Cloyd M., Douglaston, N. Y., assignor to C. J. Tagliabue Manufacturing Company. Burner for closed oil-testers. No. 1,275,223; Aug. 13; v. 253; p. 274.
Chapman, Cloyd M., Douglaston, N. Y., and N. C. Johnson, Englewood, N. J.; said Chapman assignor to said Johnson. Method of and apparatus for making concrete. No. 1,259,461; Mar. 12; v. 248; p. 475.
Chapman, Cloyd M., Douglaston, and N. C. Johnson, Englewood, N. J.; said Chapman assignor to said Johnson. Making mixtures with water-reacting cement and cement product. No. 1,259,462; Mar. 12; v. 248; p. 475.
Chapman Electric Neutralizer Company. (See Chapman, William H., assignor.)
Chapman, Frank. (See McDade and Chapman.)
Chapman, Fred H., Winchester, Mass. Spindle. No. 1,253,351; Jan. 15; v. 246; p. 619.
Chapman, James, Forfar, Scotland. Making of roadways. No. 1,277,380; Sept. 3; v. 254; p. 13.
Chapman, Loren E., Syracuse, N. Y. Spring-wheel. No. 1,281,911; Oct. 15; v. 255; p. 550.
Chapman, Mark C. (See Chapman, Matthew T. and M. C.)
Chapman, Matthew T., Aurora, Ill. Well-sinking apparatus. No. 1,264,155; Apr. 30; v. 249; p. 996.
Chapman, Matthew T., Aurora, Ill. Well-sinking apparatus. No. 1,264,156; Apr. 30; v. 249; p. 997.
Chapman, Matthew T., Aurora, Ill. Rotary pump. No. 1,277,381; Sept. 3; v. 254; p. 13.
Chapman, Matthew T., assignor to The American Well Works, Aurora, Ill. Rotary deep-well pump. No. 1,266,552; May 21; v. 250; p. 522.
Chapman, Matthew T. and M. C., assignors to The American Well Works, Aurora, Ill. Pumping machinery. No. 1,277,382; Sept. 3; v. 254; p. 13.
Chapman, Ralph E., Brooklyn, N. Y. Device for closing holes in ships. No. 1,286,227; Dec. 3; v. 257; p. 11.
Chapman, Ralph W., assignor to T. M. Chapman's Company, Oldtown, Me. Sinusoidal-wave generator. No. 1,268,545; June 4; v. 251; p. 135.
Chapman, Raymond M., Hammond, Ind., assignor of one-half to R. W. Chapin, Chicago, Ill. and one-half to G. M. Chapin, Hammond, Ind. Vegetable-ivory meal and making same. No. 1,260,327; Mar. 26; v. 248; p. 788.
Chapman, Richard J., Terry, S. D. Ship-protector. No. 1,265,610; May 7; v. 250; p. 200.
Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Me. Apparatus for neutralizing static electricity. No. 1,262,173; Apr. 9; v. 246; p. 364.
Chapman, Winthrop M., Needham, Mass. Railway block-signal system. No. 1,281,515; Oct. 15; v. 255; p. 444.
Chapparro R., Roberto, Valparaiso, Chile. Mixer. No. 1,253,785; Jan. 15; v. 246; p. 744.
Chappatte, Joseph E., Philadelphia, Pa., assignor to E. L. Mansure Company, Chicago, Ill. Fringe. No. 1,268,817; June 11; v. 251; p. 231.
Chappell, Andrew J., Samantha, Ala. Vehicle-brake No. 1,253,668; Jan. 15; v. 246; p. 710.
Chappell, Howard F., assignor to Mineral Products Corporation, New York, N. Y. Recovering potassium sulfate and alumina from alunite. No. 1,268,433; June 4; v. 251; p. 104.
Chappell, Howard F., assignor to Mineral Products Corporation, New York, N. Y. Treatment of insoluble alumina. No. 1,270,266; June 25; v. 251; p. 684.
Chappell, Marvin L. (See Mann and Chappell.)
Chappell, Thomas S., assignor to McKenna Brass and Manufacturing Company, Pittsburgh, Pa. Display-stand. No. 1,270,004; June 18; v. 251; p. 588.
Chappelle, Charles C. (See Wade and Chappelle.)
Chappuis, Edward H., Marysville, Cal. Foldable roof-bracket. No. 1,267,056; May 21; v. 250; p. 664.
Chapt, Louis, Paterson, N. J. Acetylene-torch. No. 1,278,303; Sept. 10; v. 254; p. 289.
Chaquette, Ephraiem, assignor of one-half to J. Ratzer, Saddle River, N. J. Transmission mechanism. No. 1,265,175; May 7; v. 250; p. 84.
Charbondaux, Arthur A., Spokane, Wash. Drag scraper and excavator. No. 1,258,090; Mar. 5; v. 248; p. 41.
Charest, Joseph, San Francisco, Cal. Vehicle attachment. No. 1,274,990; Aug. 6; v. 253; p. 184.
Charge, J. W., *et al.* (See Blair, John H., assignor.)
Charlberg, Theodore E., Moline, Ill. Screen-fastener. No. 1,270,117; June 18; v. 251; p. 618.
Charles, Burton R. and P. E., Victorville, Cal. Garment. No. 1,272,332; July 9; v. 252; p. 477.
Charles E. Hancock Company. (See Patten, Charles H., assignor.)
Charles, Frederic. (See Negus and Charles.)
Charles H. Besly & Company. (See Miller, John, Jr., assignor.)
Charles H. Pugh Limited. (See Bull and Starkey, assignors.)
Charles J. Tagliabue Manufacturing Co. (See Roesch, Alfred, assignor.)
Charles Lentz & Sons. (See Kurtz, Robert B., assignor.)
Charles, Phyllis E. (See Charles, Burton R. and P. E.)
Charles W. Shonk Company. (See Dun Lany, William P., assignor.)
Charles, Walter T., Chicago, Ill. Fire-extinguisher. No. 1,256,874; Feb. 19; v. 247; p. 592.
Charles Woodward Company, The. (See Moore, Edward J., assignor.)
Charleston Window Glass Co. (See Henshaw, Seth B., assignor.)
Charlesworth, Horace M., Winnipeg, Manitoba, Canada. Game apparatus. No. 1,279,654; Sept. 24; v. 254; p. 709.
Charley, Walter G. (See Russell and Charley.)
Charlton, Harry W., New York, N. Y. Asbestos treatment and product thereof. No. 1,256,296; Feb. 12; v. 247; p. 386.
Charlton, Harry W., New York, N. Y., assignor to Kaolin Products Corporation. Replacing alkali metal in alkali-metal-carrying rocks and products thereof. No. 1,256,295; Feb. 12; v. 247; p. 385.
Charlton, Henry F., Cleveland, Ohio. Toy. No. 1,285,938; Nov. 26; v. 256; p. 747.
Charlton, John M., Oakland, Cal. Amusement device. No. 1,289,115; Dec. 31; v. 257; p. 837.
Charmois, Dennis C., Canton, Ohio. Waste-trap. No. 1,263,206; Apr. 16; v. 249; p. 684.
Charroin, Frank B., Seattle, Wash. Valve-controlled connector for air-conduits. (Reissue.) No. 14,494; July 23; v. 252; p. 930.
Charters, Ernest D., Turlock, Cal. Incubator. No. 1,271,666; July 9; v. 252; p. 289.
Chartier, Noel B., Richland, Wash. Wall-papering machine. No. 1,257,315; Feb. 26; v. 247; p. 756.
Charvat, John, Jr., Chicago, Ill. Percolator. No. 1,285,621; Nov. 26; v. 256; p. 667.
Chase, Carl W. (See Hovey and Chase.)
Chase, Cassius S. (See Babcock, Richard E., assignor.)
Chase, Cassius S. (See McLaughlin, William H., assignor.)
Chase, Cassius S. (See McLaughlin and Babcock, assignors.)
Chase, Charles A., and N. B. Parsons, Chicago, Ill.; said Parsons assignor to said Chase. Electric sign-board. No. 1,258,872; Mar. 12; v. 248; p. 307.
Chase, Charles B., Fall River, Mass. Loom. No. 1,282,378; Oct. 22; v. 255; p. 717.
Chase & Company, L. C. (See Kinder, Arthur H., assignor.)
Chase, Frank F., Riverside, Cal. Gravity fruit-separator. No. 1,285,560; Nov. 19; v. 256; p. 611.
Chase, Frank S., assignor to The Progressive Manufacturing Company, Torrington, Conn. Automatic screw-slotting machine. No. 1,252,884; Jan. 8; v. 246; p. 449.
Chase, Frederick C. (See Carney and Chase.)
Chase, George B., assignor of one-third to W. E. Brodie and one-third to J. A. Reedy, Fresno, Cal. Device for cutting and seeding peaches and other similar fruits. No. 1,263,742; Apr. 23; v. 249; p. 850.
Chase, George Q. (See Tappe, Edward A., assignor.)
Chase, Hoyt W., assignor of one-fourth to C. E. Kerr, Indianapolis, Ind. Electrical heater. No. 1,260,328; Mar. 26; v. 248; p. 788.
Chase, Irwin, Bayonne, N. J. Pleasure-cruiser. No. 1,273,149; July 23; v. 252; p. 757.
Chase, Joseph E., Schenectady, N. Y. Can-opener. No. 1,263,207; Apr. 16; v. 249; p. 684.
Chase, Joseph H., assignor to American Piano Company, New York, N. Y. Note-sheet spool. No. 1,260,512; Mar. 26; v. 248; p. 843.
Chase, Wallace S., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Obtaining compounds of cerium-group metals from monazite sands. No. 1,279,257; Sept. 17; v. 254; p. 574.
Chase, William H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-catcher for looms. No. 1,253,148; Jan. 8; v. 246; p. 530.
Chasnoff, Joseph, *et al.* (See Preston, Edward, assignor.)
Chassaing, Eugène, assignor to M. Dufour, E. Jacquelin, and R. A. Henry, Paris, France. Ambulance-stretcher. No. 1,277,856; Sept. 3; v. 254; p. 145.
Chastain, Carl, Twin Falls, assignor of one-fourth to M. Brownlee, Fort Hall, Idaho. Dam for irrigation-ditches. No. 1,256,772; Feb. 19; v. 247; p. 561.
Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Piston-packing. No. 1,264,012; Apr. 23; v. 249; p. 925.
Chatfield, Charles B., Grand Rapids, Mich. Road construction. No. 1,269,785; June 18; v. 251; p. 531.
Chatfield, George L., assignor to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Heating element for buttering devices. No. 1,255,985; Feb. 12; v. 247; p. 294.
Chatfield, George L., assignor to Briant Manufacturing Company, Indianapolis, Ind. Ball-release for game apparatus. No. 1,270,595; June 25; v. 251; p. 776.
Chatillon, Ralph F., Greenburg, N. Y., assignor to John Chatillon & Sons. Scale. No. 1,251,640; Jan. 1; v. 246; p. 59.

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Chatillon, Ralph F., Scarsdale, N. Y., assignor to John Chatillon & Sons. Scale. No. 1,259,362; Mar. 12; v. 248; p. 446.
Chatillon, Ralph F., Scarsdale, N. Y., assignor to John Chatillon & Sons. Scale-pan. No. 1,259,957; Mar. 19; v. 248; p. 650.
Chatman, John E. (See Nutter and Chatman.)
Chayes, Herman E. S., New York, N. Y. Grinding-machine. No. 1,265,050; May 7; v. 250; p. 50.
Chayes, Herman E. S., New York, N. Y. Dental drill. No. 1,267,629; May 28; v. 250; p. 850.
Check, Joseph, Wilkes-Barre, Pa. Scrubbing-brush. No. 1,272,216; July 9; v. 252; p. 443.
Checkley, George W., New York, N. Y. Baby-basket attachment. No. 1,277,292; Aug. 27; v. 253; p. 907.
Cheek, George C., assignor of one-sixth to O. E. Cheek and one-sixth to R. J. Morrissey, Sacramento, Cal. Direction-indicator. No. 1,276,873; Aug. 27; v. 253; p. 797.
Cheek, George C., assignor of one-fourth to O. E. Cheek and one-fourth to R. J. Morrissey, Sacramento, Cal. Garbage collector and receiver. No. 1,279,258; Sept. 17; v. 254; p. 574.
Cheek, Omer E., *et al.* (See Cheek, George C., assignor.)
Cheeseman, Eugene H., Seattle, Wash. Sewing-machine attachment. No. 1,272,774; July 16; v. 252; p. 628.
Cheevers, Patrick T., Forest City, Pa. Device for adjusting and testing motor-vehicle brakes. No. 1,282,190; Oct. 22; v. 255; p. 665.
Chellew, Walter J., assignor to G. B. Bassett, Buffalo, N. Y. Liquid-meter. No. 1,281,516; Oct. 15; v. 255; p. 444.
Chemical Construction Company. (See Blumenberg, Henry, Jr., assignor.)
Chemical Construction Company. (See Hechenbleikner, Ingenuin, assignor.)
Chemical Construction Company. (See Monteith, Dickson S., assignor.
Chemical Development Company. (See McElroy, Karl P., assignor.)
Chemical Development Company. (See Mersereau, Gail, assignor.)
Chemical Process Company, The. (See Moore, George, assignor.)
Chemical Products Company. (See Esselen and Mork, assignors.)
Chemische Fabrik von Heyden Actiengesellschaft. (See Philipp and Schmidt, assignors.)
Chenette, Frank A., assignor of one-helf to C. J. McDonald, Worcester, Mass. Light-dimmer. No. 1,271,278; July 2; v. 252; p. 149.
Cheney, Arthur M., Brooklyn, N. Y., assignor, by mesne assignments, to Marlin-Rockwell Corporation, New Haven, Conn. Antifriction-bearing. No. 1,287,225; Dec. 10; v. 257; p. 292.
Cheney, Charles G., Tacoma, Wash. Device for locating and raising sunken vessels. No. 1,269,523; June 11; v. 251; p. 424.
Cheney, Forest, assignor, by mesne assignments, to Cheney Talking Machine Company, Chicago, Ill. Sound-reproducing machine. No. 1,287,881; Dec. 17; v. 257; p. 485.
Cheney, George H., Spokane, Wash. Pan-counterweight. No. 1,269,051; June 11; v. 251; p. 296.
Cheney, Herbert N., Boston, and D. S. Reynolds, Brookline, Mass. Gas-purifying apparatus. No. 1,261,767; Apr. 9; v. 249; p. 252.
Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Switch. (Reissue.) No. 14,493; July 16; v. 252; p. 722.
Cheney, Herbert W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. No. 1,287,226; Dec. 10; v. 257; p. 293.
Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Time-element circuit-breaker. No. 1,289,656; Dec. 31; v. 257; p. 971.
Cheney, Howell, South Manchester, Conn. Necktie. No. 1,264,271; Apr. 30; v. 249; p. 1030.
Cheney, Howell, South Manchester, Conn. Neckband portion for neckties and producing the same. No. 1,270,376; June 25; v. 251; p. 715.
Cheney, Robert J. (See Nees, Louis, assignor.)
Cheney Talking Machine Company. (See Cheney, Forest, assignor.)
Cheney, Thomas R., Jacksonville, Fla. Display-cabinet. No. 1,289,657; Dec. 31; v. 257; p. 971.
Chenoweth, Alexander C., assignor to Chenoweth Concrete Revetment Company, Inc., New York, N. Y. Protective covering. No. 1,253,209; Jan. 15; v. 246; p. 576.
Chenoweth, Arthur N., Waterbury, Conn. Automatic gear-shift for automobiles. No. 1,287,227; Dec. 10; v. 257; p. 293.
Chenoweth Concrete Revetment Company. (See Chenoweth, Alexander C., assignor.)
Cherbonnier, George C., assignor to American Car and Foundry Company, St. Louis, Mo. Ratchet-and-pawl arrangement for dumping-cars. No. 1,256,110; Feb. 12; v. 247; p. 330.
Cherekjian, Vahan, West Hoboken, N. J. Cigar-protector. No. 1,266,553; May 21; v. 250; p. 522.
Chernack, Abel E., New York, N. Y. Rack for music-rolls or the like. No. 1,275,132; Aug. 6; v. 253; p. 223.
Chernov, Abraham, H. Stein, and E. Ruben, New Haven, Conn. Head-covering. No. 1,265,426; May 7; v. 250; p. 153.
Cherpech, Joseph, Stafford, Alberta, Canada. Cabbage-cutting machine. No. 1,283,667; Nov. 5; v. 256; p. 61.
Cherrie, Etta, and F. Porter, Enid, Okla. Measuring device. No. 1,278,107; Sept. 10; v. 254; p. 237.
Cherry, Lester A., assignor to Thompson Heater Corporation, Buffalo, N. Y. Boiler. No. 1,283,668; Nov. 5; v. 256; p. 61.
Cherry, Louis B., Kansas City, Mo. Apparatus for pumping liquid and gas. No. 1,277,383; Sept. 3; v. 254; p. 14.
Cherry, William J., New York, N. Y. Book-hanger. No. 1,285,939; Nov. 26; v. 256; p. 747.
Chertok, Moses A., Roxbury, Mass. Receiving-hopper for metal scraps and filings. No. 1,275,847; Aug. 13; v. 253; p. 446.
Chervictnak, Joseph, Plymouth, Pa. Armored automobile. No. 1,289,392; Dec. 31; v. 257; p. 907.
Chesbrough, Fremont B., New York, N. Y. Seed-planter. No. 1,274,855; Aug. 6; v. 253; p. 147.
Cheselka, Peter, Fairbank, assignor of one-eighth to G. Kupec, one-eighth to J. Slosar, one-eighth to S. Duhovan, and one-eighth to A. Blasinsky, New Salem, Pa. Railway-car brake. No. 1,256,660; Feb. 19; v. 247; p. 529.
Chesley, Warren G., Philadelphia, Pa., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Gripper mechanism for lasting-machines. No. 1,282,191; Oct. 22; v. 255; p. 666.
Chesney, Erasmus C., Kansas City, Mo. Belt-slide. No. 1,259,079; Mar. 12; v. 248; p. 367.
Chesney, John, Paulsboro, N. J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Paper-shell machine and mandrel for same. No. 1,271,132; July 2; v. 252; p. 106.
Chessebro, Harold A., Irondequoit, N. Y. Hay-rake. No. 1,281,133; Oct. 8; v. 255; p. 306.
Chester, James C., Escalon, Cal. Signal. No. 1,256,773; Feb. 19; v. 247; p. 562.
Cheung, Lo Ka, Canton, China. Polishing-machine. No. 1,257,951; Feb. 26; v. 247; p. 941.
Chevalier, John F. (See Griswold, Albert A., assignor.)
Chevalier, Joseph, Jr. (See Bachand, Delmery T., assignor.)
Chevalley, Leon, Sardis, British Columbia, Canada. Dispensing apparatus. No. 1,260,255; Mar. 19; v. 248; p. 733.
Chevoir, Guillaume M. J., Paris, France. Chuck. No. 1,280,396; Oct. 1; v. 255; p. 78.
Chevola, Henry, Jr., New York, N. Y. Match-box. No. 1,279,259; Sept. 17; v. 254; p. 575.
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pick-control mechanism. No. 1,280,662; Oct. 8; v. 255; p. 178.
Chevrolet Motor Company. (See Mason and Sturt, assignors.)
Chew, Richard S., Oakland, Cal. Floor construction. No. 1,262,449; Apr. 9; v. 249; p. 440.
Chewning, John H., Kansas City, Mo. Valve-grinder. No. 1,283,467; Nov. 5; v. 256; p. 8.
Chi, Heuen, New York, N. Y., assignor to The Republic of China. Apparatus for writing Chinese. No. 1,260,753; Mar. 26; v. 248; p. 914.
Chia, Bernard J., assignor to H. S. Neats, East Orange, N. J. Wire-stripping tool. No. 1,260,642; Mar. 26; v. 248; p. 882.
Chicago Bearings Company. (See Winn, Charles A., assignor.)
Chicago Belting Company. (See Horsman, Thomas, assignor.)
Chicago-Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)
Chicago Electric Meter Company. (See Hall, Chester I., assignor.)
Chicago Glass Products Company. (See Schuhmann, Edwin M., assignor.)
Chicago Hardware Foundry Company. (See Gustafson, Axel P., assignor.)
Chicago Hardware Foundry Company. (See Hathorne, Sherman A., assignor.)
Chicago Metal Products Co. (See Roberts, Charles F., assignor.)
Chicago Mill and Lumber Company. (See Quinn, Don L., assignor.)
Chicago Pneumatic Tool Company. (See Callan, William H., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Chicago Railway Equipment Company. (See Cornwall, Frederick R., assignor.)
Chicago Railway Equipment Company. (See De Long, Frederic T., assignor.)
Chicago Railway Equipment Company. (See Van Sweringen, George N., assignor.)
Chicago Railway Equipment Company. (See Williams, Charles H., assignor.)
Chicago Railway Signal and Supply Company. (See Vogel, Eugene W., assignor.)

Chicago Spring Butt Company. (See Keene, William J., assignor.)
Chicago Steel Post Co. (See Amberg, Walter E., assignor.)
Chicago Steel Post Company. (See Anderson, Brooke, assignor.)
Chicago Steel & Wire Company. (See Green, J. Birchard, assignor.)
Chidlow, David, Ridgefield, Conn., assignor to J. F. and W. S. Strachan, Montreal, Quebec, Canada. Making bread. No. 1,255,292; Feb. 5; v. 247; p. 50.
Chidlow, David, Ridgefield, Conn., assignor to J. F. and W. S. Strachan, Montreal, Quebec, Canada. Process and machine for making bread. No. 1,255,293; Feb. 5; v. 247; p. 51.
Child, Frederick, Montreal, Quebec, Canada. Postage-stamp-applying device. No. 1,264,013; Apr. 23; v. 249; p. 925.
Child, Guy B., Chicago, Ill., assignor to American Stove Company, St. Louis, Mo. Hinge for stove-doors. No. 1,273,735; July 23; v. 252; p. 912.
Child, Hal G., assignor to Child and Walton Company, Spokane, Wash. Binder. No. 1,267,630; May 28; v. 250; p. 851.
Child and Walton Company. (See Child, Hal G., assignor.)
Childe, Alberta G., New York, N. Y. Scenic mechanism. No. 1,266,213; May 14; v. 250; p. 401.
Childers, Frank, Carterville, Ill. Fence-post. No. 1,277,293; Aug. 27; v. 253; p. 907.
Childers, William R., Oilfields, Cal. Drilling-tool joint. No. 1,253,149; Jan. 8; v. 246; p. 530.
Childs, James R. (See Stewart and Childs.)
Childs, Robert C. (See Tuttle and Childs.)
Childs, Wilbur T., assignor to The Akron Rubber Mold and Machine Company, Akron, Ohio. Winding-machine. No. 1,263,855; Apr. 23; v. 249; p. 882.
Chile Exploration Company. (See Monrath, Gustav, assignor.)
Chile Exploration Company. (See Page, William K., assignor.)
Chillicothe Bean Snipper Company, The. (See Killingsworth, Wilbur, assignor.)
Chilson, Benn A., Covington, Ky. Automobile-puller. No. 1,267,376; May 28; v. 250; p. 780.
Chilson, Bert S., Fayetteville, N. Y. Motor-cycle. No. 1,254,883; Jan. 29; v. 246; p. 1112.
Chilson, Bert S., Ellis Island, N. Y. Twin-seat construction for motor-cycles. No. 1,279,260; Sept. 17; v. 254; p. 575.
Chilson, Lewis S., assignor to J. M. Fisher Company, Attleboro, Mass. Locket. No. 1,288,835; Dec. 24; v. 257; p. 744.
Chilstrom, John A., Red Wing, Minn. Display-cabinet. No. 1,267,377; May 28; v. 250; p. 780.
Chilstrom, John A., Red Wing, Minn. Garment-display hanger. No. 1,289,658; Dec. 31; v. 257; p. 971.
Chilton, Henry J., Chicago, Ill. Bottle-washing apparatus. No. 1,260,329; Mar. 26; v. 248; p. 789.
Chindahl, George L. (See Andrews, Ernest J., assignor.)
Chinnock, Charles L., Brooklyn, N. Y. Shorthand-machine for the blind. No. 1,264,014; Apr. 23; v. 249; p. 926.
Chinnock, George H., Brooklyn, N. Y. Pneumatic-tire shoe and making same. No. 1,254,884; Jan. 29; v. 246; p. 1113.
Chino Copper Company. (See Morse, Harry W., assignor.)
Chino Copper Company. (See Wiser, Oba, assignor.)
Chipman, Willard, Toronto, Ontario, Canada. Speed-recorder. No. 1,267,631; May 28; v. 250; p. 851.
Chiron, Hippolyte M., and J. F. Berriex, San Francisco, Cal. Flying-machine. No. 1,253,937; Jan. 15; v. 246; p. 786.
Chisholm, Clifton, Cleveland, Ohio. Envelop-handling mechanism for address-printing machines. No. 1,285,623; Nov. 26; v. 256; p. 667.
Chisholm, Clifton, assignor to Planostyle Company, Cleveland, Ohio. Address-printing machine. No. 1,285,622; Nov. 26; v. 256; p. 667.
Chisholm, John S., Detroit, Mich. Motor-sleigh. No. 1,254,479; Jan. 22; v. 246; p. 962.
Chisholm, Norman A., Brawley, Cal. Rope-measuring device. No. 1,289,659; Dec. 31; v. 257; p. 971.
Chisholm-Scott Company. (See Urschel, William E., assignor.)
Chism, Louis W., Southington, assignor, by mesne assignments, to The Steel Products Company, Hartford, Conn. Carrier for store-service. No. 1,289,393; Dec. 31; v. 257; p. 907.
Chism, William J., Charles City, Iowa. Nut-lock. No. 1,252,088; Jan. 1; v. 246; p. 190.
Chittenden, George I., Lakewood, Ohio. Hanger for wall-radiators. No. 1,280.397; Oct. 1; v. 255; p. 79.
Chittim, Carl C., assignor to R. Sullens, Springfield, Mo. Portable shelter. No. 1,259,080; Mar. 12; v. 248; p. 367.
Chladek, Martin, Shamokin, Pa. Tree-trimming shears. No. 1,275,529; Aug. 13; v. 253; p. 357.
Chmielarski, Walter, Gary, Ind. Floating battery. No. 1,259,601; Mar. 19; v. 248; p. 546.
Chmielewski, Edmond, New Bedford, Mass. Cavalry-machine. No. 1,278,592; Sept. 10; v. 254; p. 366.
Chmielewski, Jozef, assignor of one-fourth to J. Ratkoski, Hamtramck, Mich. Soldier's chair. No. 1,265,882; May 14; v. 250; p. 308.
Chmielinski, Gregory, Chicago, Ill. Flying-machine. No. 1,276,032; Aug. 20; v. 253; p. 528.
Choate, Roy E. (See La Plant and Choate.)
Choate, William E., Hamilton, Mass. Manipulating tenuous metallic lamellæ. No. 1,279,655; Sept. 24; v. 254; p. 709.
Chodakowski, Leon, Binghamton, N. Y. Wireless-telegraph pole. No. 1,285,940; Nov. 26; v. 256; p. 747.
Chodzko, Adam E., assignor of one-half to L. Bazet, San Francisco, Cal. Process of and apparatus for making pulp vessels. No. 1,264,365; Apr. 30; v. 249; p. 1056.
Choma, John, Carnegie, Pa. Collapsible bed. No. 1,262,751; Apr. 16; v. 249; p. 555.
Chorebanian, Hampar E., Newburyport, Mass. Fender for vehicles. No. 1,269,786; June 18; v. 251; p. 531.
Choriton, Herbert, Huntington, N. Y. Internal-combustion engine of the sleeve-valve type. No. 1,288,509; Dec. 24; v. 257; p. 665.
Chorzempa, Joseph, Cicero, Ill. Cuspidor-holder. No. 1,252,778; Jan. 8; v. 246; p. 421.
Chouvaldjy, Nicholas, Berkeley, Cal. Broom-holder. No. 1,262,920; Apr. 16; v. 249; p. 603.
Chouvaldjy, Nicholas, Berkeley, Cal. Cuspidor-carrier. No. 1,282,044; Oct. 22; v. 255; p. 624.
Chowning Regulator Corporation. (See Newell, Hugh T., assignor.)
Chrapla, Josepf, Martin, Pa. Figure toy. No. 1,252,779; Jan. 8; v. 246; p. 421.
Chrisman, Charles S., West Chester, assignor to The United Gas Improvement Company, Philadelphia, Pa. Gas-washbox. No. 1,267,513; May 28; v. 250; p. 817.
Chrisman, Herbert H., and F. W. Adsit, Minneapolis, Minn.; said Adsit assignor to said Chrisman. Hood-locking device for automobiles. No. 1,283.669; Nov. 5; v. 256; p. 61.
Chrisman, Horace, Edgewood Park, assignor to Pittsburgh Meter Company, East Pittsburgh, Pa. Fluid-meter. No. 1,286,942; Dec. 10; v. 257; p. 219.
Christ, Mabel. (See Lehmann, Adolph, assignor.)
Christensen, Carl. (See Scott and Christensen.)
Christensen, Chris W., Garfield, Wash. Draft-equalizer. No. 1,289,394; Dec. 31; v. 257; p. 907.
Christensen, Emil, Portland, Oreg. Variable-stroke mechanism. No. 1,275,224; Aug. 13; v. 253; p. 274.
Christensen, Emil, Portland, Oreg. Safety reversible floor conveyer. No. 1,282,379; Oct. 22; v. 255; p. 717.
Christensen, Fred W., *et al.* (See Schlattau, Frank, assignor.)
Christensen, Hans A., Hellerup, Denmark. Digging-machine. No. 1,273,458; July 23; v. 252; p. 840.
Christensen, Hans A., and H. C. M. Andreasen, Cliffside, N. J. Lock. No. 1,255,583; Feb. 5; v. 247; p. 136.
Christensen, Hilbert, Coal Harbor, N. D. Attachment for converting binders into headers. No. 1,261,702; Apr. 2; v. 249; p. 201.
Christensen, Howard H., assignor to C. A. Dreier, Chicago, Ill. Tool for recutting valve-seats. No. 1,271,854; July 9; v. 252; p. 340.
Christensen, Jens H., Sölleröd, Holte, Denmark. Producing photographic films of varying porousness. No. 1,256,981; Feb. 19; v. 247; p. 624.
Christensen, Merton V., Hendricks, Minn. Runner for wheelbarrows. No. 1,270,495; June 25; v. 251; p. 749.
Christensen, Niels A., Milwaukee, Wis. Starting apparatus for internal-combustion engines. No. 1,253,466; Jan. 15; v. 246; p. 653.
Christensen, Niels A., Milwaukee, Wis. Internal-combustion engine. No. 1,253,669; Jan. 15; v. 246; p. 710.
Christensen, Niels C., assignor to Metallurgic Improvement Corporation, Salt Lake City, Utah. Treating ores by flotation. No. 1,286,531; Dec. 3; v. 257; p. 86.
Christensen, Niels C., assignor to Metallurgic Improvement Corporation, Salt Lake City, Utah. Treating copper ores by sulfitization and flotation. No. 1,286,532; Dec. 3; v. 257; p. 86.
Christensen, Niels C., Salt Lake City, Utah, assignor of one-half to J. E. Barlow, Habana, Cuba, and one-half to Big Indian Copper Co. Treating copper ores by lixiviation. No. 1,278,854; Sept. 17; v. 254; p. 466.
Christensen, Sofus J., *et al.* (See Englerth, Anton F., assignor.)
Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Slack-take-up for fluid-pressure brake systems. No. 1,251,641; Jan. 1; v. 246; p. 59.
Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Slack-take-up for fluid-pressure brake systems. No. 1,251,642; Jan. 1; v. 246; p. 60.
Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Automatic slack-adjuster for brake systems. No. 1,251,643; Jan. 1; v. 246; p. 60.
Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Piston-packing. No. 1,273,736; July 23; v. 252; p. 913.
Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Piston-packing. No. 1,273,737; July 23; v. 252; p. 913.

Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Packing-ring and making same. No. 1,273,738; July 23; v. 252; p. 913.
Christian, Thomas A., assignor of one-third to F. A. Stewart and one-third to L. F. Long, Merced Falls, Cal. Spike-puller. No. 1,285,561; Nov. 19; v. 256; p. 611.
Christians, George W., Chattanooga, Tenn. Hydraulic jet-pump. No. 1,269,387; June 11; v. 251; p. 389.
Christiansen, Alfred, Everett, Wash. Automobile power mechanism. No. 1,264,488; Apr. 30; v. 249; p. 1091.
Christiansen, Barney, Slater, Iowa. Pneumatic engine-starter. No. 1,268,434; June 4; v. 251; p. 104.
Christiansen, Charles J., *et al.* (See Johannessen, Johan E., assignor.)
Christiansen, Charles J., *et al.* (See Johannessen and Waage, assignors.)
Christiansen, Christian, Sioux Falls, S. D. Radius-rod brace and self-steering device. No. 1,272,217; July 9; v. 252; p. 443.
Christiansen, Christian, assignor of one-half to J. C. Christiansen, Sioux Falls, S. D. Starting-crank lock for automobiles. No. 1,287,228; Dec. 10; v. 257; p. 293.
Christiansen, Christian A., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company. Storage-battery vent. No. 1,283,670; Nov. 5; v. 256; p. 62.
Christiansen, Holger, Erie, Pa. Garment-fastener. No. 1,270,494; June 25; v. 251; p. 749.
Christiansen, Jens C. (See Christiansen, Christian, assignor.)
Christianson, Andrew, Butler, Pa. Tire-carrier for automobiles. No. 1,254,480; Jan. 22; v. 246; p. 962.
Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Six-wheel truck. No. 1,255,857; Feb. 12; v. 247; p. 255.
Christianson, Carl, Deerfield, Wis. Wagon. No. 1,279,839; Sept. 24; v. 254; p. 762.
Christianson, Carl J., San Jose, Cal. Sole construction for shoes. No. 1,262,450; Apr. 9; v. 249; p. 440.
Christianson, Peter A., Ellendale, Minn. Trailer-coupling. No. 1,254,984; Jan. 29; v. 246; p. 1139.
Christie, Athelstan H., St. Louis, Mo. Bag and suitcase. No. 1,274,003; July 30; v. 252; p. 1025.
Christie, Charles, Fords, N. J. Apparatus for raising sunken vessels. No. 1,274,004; July 30; v. 252; p. 1026.
Christie, Elizabeth. (See Ortengren, Alfred, assignor.)
Christie, Thomas C., and E. A. Edmon, Lebanon, Ohio. Engine-starter. No. 1,253,150; Jan. 8; v. 246; p. 530.
Christine, John M., Ford City, Pa. Automatic wear take-up for journal-boxes. No. 1,273,822; July 30; v. 252; p. 975.
Christman, Edward, Massillon, assignor of one-half to F. A. Ray, Columbus, Ohio. Liquid-elevating apparatus. No. 1,284,594; Nov. 12; v. 256; p. 329.
Christman, Henry W. (See Bellion, William E., assignor.)
Christman, Peter, Green Bay, Wis. Rotary pump. No. 1,275,388; Aug. 13; v. 253; p. 319.
Christmann, Daniel P., Delta, Ohio. Artificial hand. No. 1,268,546; June 4; v. 251; p. 135.
Christmas, Adolph F., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Governor. No. 1,255,294; Feb. 5; v. 247; p. 51.
Christmas Club. (See Rawll, Herbert F., assignor.)
Christoph, Edward A. (See Mueller, Edward T., assignor.)
Christoph, Emil A., assignor to The King Lock Company, Chicago, Ill. Lock. No. 1,287,882; Dec. 17; v. 257; p. 485.
Christoph, George W., Warehouse Point, assignor to Sterling Blower Company, Hartford, Conn. Pneumatic power-boat. No. 1,265,997; May 14; v. 250; p. 340.
Christophel, Carl E., assignor to Dexter Folder Company, Pearl River, N. Y. Feeding-machine. No. 1,258,744; Mar. 12; v. 248; p. 269.
Christopher, Columbus C., G. L. Keith, J. E. Allsteadt, E. D. Einsel, Hastings, and C. G. Pelander, Holdrege, assignors to Hastings Equity Grain Bin Manufacturing Co., Hastings, Nebr. Corn-crib. No. 1,268,435; June 4; v. 251; p. 104
Christopherson, Casper, Mukilteo, Wash. Auxiliary car-steps. No. 1,261,489; Apr. 2; v. 249; p. 140.
Christy, Frank W., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Skiving-machine. No. 1,254,392; Jan. 22; v. 246; p. 937.
Christy, Henry A., assignor, by mesne assignments, to S. Brown, Kenilworth, Ill. Draft-gear. No. 1,263,374; Apr. 23; v. 249; p. 749.
Chromy, George, Stewart, Minn. Stove-lid lifter. No. 1,287,229; Dec. 10; v. 257; p. 293.
Chromy, George, Stewart, Minn. Apparatus for pulling hay. No. 1,287,230; Dec. 10; v. 257; p. 294.
Chryst, William A. (See Kettering and Chryst.)
Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,288,836; Dec. 24; v. 257; p. 744.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Contact making and breaking device. No. 1,253,210; Jan. 15; v. 246; p. 576.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Protective system for electrical apparatus. No. 1,255,387; Feb. 5; v. 247; p. 79.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rotary converter. No. 1,257,977; Mar. 5; v. 248; p. 8.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical transforming and rectifying system. No. 1,257,978; Mar. 5; v. 248; p. 9.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Method and apparatus for determining melting-points. No. 1,259,363; Mar. 12; v. 248; p. 447.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Protective apparatus and system. No. 1,260,643; Mar. 26; v. 248; p. 882.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric-resistance device. No. 1,267,973; May 28; v. 250; p. 946.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrolyte for electrolytic cells, such as lightning-arresters, condensers, and the like. No. 1,270,784; July 2; v. 252; p. 8.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupting system. No. 1,270,785; July 2; v. 252; p. 8.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Shielding system for vapor-converters. No. 1,272,621; July 16; v. 252; p. 584.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Measuring instrument. No. 1,272,775; July 16; v. 252; p. 628.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Series transformer. No. 1,277,384; Sept. 3; v. 254; p. 14.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Splice for conductors. No. 1,281,517; Oct. 15; v. 255; p. 444.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Shielding system for vapor-converters. No. 1,281,518; Oct 15; v. 255; p. 445.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupting system. No. 1,287,232; Dec. 10; v. 257; p. 294.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical testing device. No. 1,253,211; Jan. 15; v. 246; p. 577.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,253,212; Jan. 15; v. 246; p. 577.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rotary converter. No. 1,257,979; Mar. 5; v. 248; p. 9.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical winding. No. 1,264,272; Apr. 30; v. 249; p. 1030.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupting system. No. 1,287,231; Dec. 10; v. 257; p. 294.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupting system. No. 1,287,233; Dec. 10; v. 257; p. 294.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Thermocouple and constructing the same. No. 1,289,116; Dec. 31; v. 257; p. 837.
Chubbuck, Aaron F., *et al.* (See Nichoson, Elmer, assignor.)
Chudzikowski, Charles, Cambridge, Mass. Soundboard. No. 1,273,459; July 23; v. 252; p. 840.
Church, Angelica S., New York, N. Y. Making models in plaster, &c. No. 1,274,005; July 30; v. 252; p. 1026.
Church, David W., San Diego, assignor, by mesne assignments, to R. A. Dallugge, Los Angeles, Cal. Ore crushing and amalgamating mill. No. 1,266,406; May 14; v. 250; p. 451.
Church & Dwight Company. (See Schroeder and Tooker, assignors.)
Church, Edmund S., assignor to Automatic Carburetor Co., Chicago, Ill. Fuel-feed system for explosive-engines. No. 1,269,787; June 18; v. 251; p. 531.
Church, Edmund S., assignor to Automatic Carburetor Co., Chicago, Ill. Curtain-fastener. No. 1,285,039; Nov. 19; v. 256; p. 481.
Church, Frank C., Cranston, R. I., assignor to The Travelers Insurance Company, Hartford, Conn. Computing device. No. 1,285,941; Nov. 26; v. 256; p. 747.

Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,253,670; Jan. 15; v. 246; p. 711.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Lamp-bracket. No. 1,259,958; Mar. 19; v. 248; p 651.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,262,921; Apr. 16; v. 249; p. 603.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,265,883; May 14; v. 250; p. 308.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,270,596; June 25; v. 251; p. 777.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,275,133; Aug. 6; v. 253; p. 223.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,278,855; Sept. 17; v. 254; p. 466.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Axle. No. 1,278,856; Sept. 17; v. 254; p. 467.
Church, Webb & Close. (See Close, George L., assignor.)
Church, Webb & Close. (See Webb and Close, assignors.)
Church, William L., Newton, assignor to The Uni-Form Company, Boston, Mass. Apparatus for constructing concrete floors. No. 1,289,660; Dec. 31; v. 257; p. 972.
Church, Zala A., Jefferson, Iowa. Fastening for tire-chains. No. 1,285,942; Nov. 26; v. 256; p. 748.
Churchill, Edwin P., assignor to Barnard and Leas Manufacturing Company, Moline, Ill. Safety stopping device for belt elevators. No. 1,288,510; Dec. 24; v. 257; p. 665.
Churchill, James R., Sheffield, England. Chassis for chain-driven motor-vehicles. No. 1,273,150; July 23; v. 252; p. 758.
Churchill, William, assignor to Corning Glass Works, Corning, N. Y. Cover-glass for automobile-headlights. No. 1,269,788; June 18; v. 251; p. 532.
Churchill, William, Corning, N. Y., assignor to Corning Glass Works. Refracting cover-glass for automobile-headlights. No. 1,283,671; Nov. 5; v. 256; p. 62.
Churchward, Alexander, Boston, Mass., assignor to A. B. C. Starter Company. Power transmission. No. 1,287,883; Dec. 17; v. 257; p. 486.
Churchward, James, Lakeville, Conn. Alloy. No. 1,261,742; Apr. 2; v. 249; p. 211.
Churchward, James, Lakeville, Conn. Alloy. No. 1,261,743; Apr. 2; v. 249; p. 211.
Cibulas, Stephen E., Bridgeport, Conn. Window-operating mechanism. No. 1,262,306; Apr. 9; v. 249; p. 399.
Cierpien, Mary, Chicopee, Mass. Brush. No. 1,284,595; Nov. 12; v. 256; p. 329.
Cieszkowski, Frank, Robyville, Ohio. Adjustable closure for bottles. No. 1,277,857; Sept. 3; v. 254; p. 146.
Cieszkowski, Frank, Robyville, Ohio. Brush and comb construction. No. 1,277,858; Sept. 3; v. 254; p. 146.
Cieszkowski, Frank, Robyville, Ohio. Trench construction. No. 1,277,859; Sept. 3; v. 254; p. 146.
Ciganenko, Michele, Pittsburgh, Pa. Torpedo-repelling device. No. 1,273,330; July 23; v. 252; p. 805.
Cigar Machine Corporation of America, The. (See Gindrat, Louis R., assignor.)
Ciglia, Ernest F., assignor to Sanit-Air Company, Inc., New York, N. Y. Casing for toilet articles. No. 1,272,010; July 9; v. 252; p. 386.
Cihak, Anthony L., Waterloo, Iowa. Post-hole digger. No. 1,266,663; May 21; v. 250; p. 555.
Cilley, Ithiel J. and V. I., assignors to Auto Indicator Company, Grand Rapids, Mich. Control for auto-direction-indicators. No. 1,286,533; Dec. 3; v. 257; p. 86.
Cilley, Osborn H. (See Furbush and Cilley.)
Cilley, Raymond, Brooklyn, N. Y. Power-truck for vehicles. No. 1,251,749; Jan. 1; v. 246; p. 92.
Cilley, Vrl I. (See Cilley, Ithiel J., and V. I.)
Cimaglia, Arthur C., Mount Vernon, N. Y. Working-drawer for jewelry workers. No. 1,270,496; June 25; v. 251; p. 749.
Cimini, Pasquale L., Buffalo, N. Y. Revolving platform for apartment furniture. No. 1,278,108; Sept. 10; v. 254; p. 237.
Cimorosi, Alberto, Buffalo, N. Y. Signaling-torpedo. No. 1,285,040; Nov. 19; v. 256; p. 481.
Cincinnati Ball Crank Co. (See Breeze and Carr, assignors.)
Cincinnati Ball Crank Company, The. (See Greene, Clifford, assignor.)
Cincinnati Butchers Supply Company, The. (See Schmidt, Oscar C., assignor.)
Cincinnati Milling Machine Company, The. (See Hazelton and Einstein, assignors.)
Cincinnati Planer Company, The. (See Langen, George, assignor.)
Cincinnati Time Recorder Company, The. (See Lawton, Hugh M., assignor.)
Cino Camera Company. (See Pietzsch and Nichols, assignors.)
Cinq-Mars, Arthur E., San Francisco, Cal. Demountable rim. No. 1,255,708; Feb. 5; v. 247; p. 171.
Ciolkosz, Piotr, assignor of one-half to J. Marcinkowski, Chicago, Ill. Wire-cutter. No. 1,280,398; Oct. 1; v. 255; p. 79.
Cirelli, Francesco, Philadelphia, Pa. Talking-machine. No. 1,264,273; Apr. 30; v. 249; p. 1030.
Cirillo, Loreta A., New York, N. Y. Corset. No. 1,273,739; July 23; v. 252; p. 913.
Cishek, John, Grantwood, N. J. Necktie-holder. No. 1,277,194; Aug. 27; v. 253; p. 884.
Cissna, Robert H., Chicago, Ill. Wire-laying tool. No. 1,253,467; Jan. 15; v. 246; p. 654.
Citizens Savings & Trust Company, The, executor. (See Glauber, Joseph H.)
Citro Chemical Company. (See Tobler, Henri, assignor.)
Civita, Emil R. U., Pittsburg, Cal. Apron. No. 1,265,427; May 7; v. 250; p. 153.
Civitillo, Vincenzo, Rochester, N. Y. Chair. No. 1,284,596; Nov. 12; v. 256; p. 329.
Civitts, Orrange, Pittsburgh, Pa. Measuring instrument. No. 1,277,860; Sept. 3; v. 254; p. 147.
Civitts, Orrange H. (See Oakley and Civitts.)
Clack, John H., Kalispell, Mont. Pack-frame. No. 1,282,756; Oct. 29; v. 255; p. 846.
Claeson, Erick. (See Gronager, Holger J. J., assignor.)
Claessens, Frederick C., *et al.* (See Winne, Charles H., assignor.)
Claessens, Frederick C. (See Winne, John E., assignor.)
Claflin, C. L., Jr. (See MacDonald, Parish J., assignor.)
Clancy, John R. (See Hart, Samuel J., assignor.)
Clancy, John R., Syracuse, N. Y. Hose-clamp. No. 1,270,927; July 2; v. 252; p. 50.
Clancy, Patrick J., Boston, Mass. Deck-lashing for boats. No. 1,261,768; Apr. 9; v. 249; p. 252.
Clapp, Albert L., Braintree, Mass. Transfer-sheet and forming same. No. 1,280,399; Oct. 1; v. 255; p. 79.
Clapp, Albert L., Braintree, assignor to R. W. Bird, Framingham, Mass. Fibrous material and making the same. No. 1,269,905; June 18; v. 251; p. 563.
Clapp, Albert L., Marblehead, assignor to The Metalite Company, Amesbury, Mass. Water and fire-resisting fiber-board and manufacture. No. 1,280,400; Oct. 1; v. 255; p. 79.
Clapper, Frank D., Altus, Okla. Electric switch. No. 1,264,898; May 7; v. 250; p. 7.
Clapper, Frank D., Altus, Okla. Envelop. No. 1,280,663; Oct. 8; v. 255; p. 178.
Clapper, Joseph B., Lakewood, assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Apparatus for electric welding. No. 1,270,786; July 2; v. 252; p. 8.
Clapper, Ray A., Lima, Ohio. Extensible flask-clamp. No. 1,287,635; Dec. 17; v. 257; p. 422.
Clardy, Albert, Balboa, Canal Zone. Scale. No. 1,279,261; Sept. 17; v. 254; p. 575.
Claremont, Ernest A. (See Beaver and Claremont.)
Claren, Ferdinand L., and H. Stelzner, assignors to Drägerwerk, Heinr. & Bernh. Dräger, Lübeck, Germany. Diver's helmet. No. 1,252,780; Jan. 8; v. 246; p. 422.
Clark, Albert H. (See Pare and Clark.)
Clark, Alfred L., Dubuque, Iowa. Roller-awning. No. 1,257,316; Feb. 26; v. 247; p. 756.
Clark, Alice, Chase City, Va. Ticket-holder. No. 1,252,237; Jan. 1; v. 246; p. 230.
Clark, Allen F., West Hanover, assignor to The National Fireworks Distributing Company, Boston, Mass. Toy torpedo. No. 1,265,701; May 7; v. 250; p. 224.
Clark, Archie P., Alvaston, British Columbia, Canada. Shell. No. 1,275,660; Aug. 13; v. 253; p. 394.
Clark, Benjamin, Des Moines, Iowa. Combination rounding and molding machine. No. 1,275,530; Aug. 13; v. 253; p. 357.
Clark, Charles E. (See Sparks and Clark.)
Clark, Charles E., Hubbard, Iowa. Seed-corn-sampling machine. No. 1,276,328; Aug. 20; v. 253; p. 610.
Clark, Charles E. and W. M., and J. A. Sparks, Elk City, Kans. Drying and aerating machine. No. 1,278,593; Sept. 10; v. 254; p. 367.
Clark, Charles H., Easton, Me. Wheel-hoe. No. 1,266,918; May 21; v. 250; p. 625.
Clark, Charles H., Crafton, Pa. Dump-car-door-operating device. No. 1,270,005; June 18; v. 251; p. 589.
Clark, Charles R., Plainville, Conn. Vehicle wind-shield. No. 1,265,176; May 7; v. 250; p. 85.
Clark, Chester E., Winnipeg, Manitoba, Canada. Machine for laying out goods. No. 1,254,309; Jan. 22; v. 246; p. 914.
Clark, Claiborn, assignor of one-half to R. Rothwell, Los Angeles, Cal. Silent railway-crossing. No. 1,283,672; Nov. 5; v. 256; p. 62.
Clark, Claude A., Syracuse, N. Y., assignor to Humphrey Gas Pump Company. Internal-combustion pump. No. 1,282,757; Oct. 29; v. 255; p. 846.
Clark, Cyril B., New York, N. Y., assignor to Thomsen Chemical Co., Baltimore, Md. Agricultural spraying. No. 1,263,856; Apr. 23; v. 249; p. 882.
Clark, Daniel, Edmonton, Alberta, Canada. Car. No. 1,264,899; May 7; v. 250; p. 8.
Clark, Daniel, Edmonton, Alberta, Canada. Apparatus for controlling temperature in cars. No. 1,264,900; May 7; v. 250; p. 8.
Clark, Daniel E., Lynn, Mass. Making fertilizer. No. 1,268,683; June 4; v. 251; p. 174.

Alphabetical list of patentees—Continued.

Clark, Daniel M., Jamesburg, N. J. Adjustable-electrode spark-plug. No. 1,256,201; Feb. 12; v. 247; p. 359.
Clark, David P. (See Black, Charles F., assignor.)
Clark, David P., Dayton, Ohio. Toy. No. 1,256,111; Feb. 12; v. 247; p. 330.
Clark, Don A., Willoughby, and C. E. Lowe, East Cleveland, assignors to The Clyde E. Lowe Company, Cleveland, Ohio. Tire-core. No. 1,273,032; July 16; v. 252; p. 701.
Clark, Dudley B., Jamestown, N. Y. Cigar and pipe lighter. No. 1,253,575; Jan. 15; v. 246; p. 684.
Clark, Edgar H. (See Williams and Clark.)
Clark, Edward B., Golconda, Ill. Station-indicator. No. 1,282,541; Oct. 22; v. 255; p. 760.
Clark, Edward S., St. Louis, Mo. Rail-joint and making same. No. 1,265,051; May 7; v. 250; p. 51.
Clark, Edward T., and E. O. Ericson, Akron, Ohio. Electric-light handle. No. 1,286,228; Dec. 3; v. 257; p. 11.
Clark, Edward W., Los Angeles, Cal. Piston and making same. No. 1,281,765; Oct. 15; v. 255; p. 509.
Clark, Edward W., assignor of one-half to A. Wells, Los Angeles, Cal. Boring-tool. No. 1,281,519; Oct. 15; v. 255; p. 445.
Clark, Edward W., assignor of one-half to A. Wells, Los Angeles, Cal. Cylinder-grinding mechanism. No. 1,281,764; Oct. 15; v. 255; p. 509.
Clark, Elmer W., Lebanon, S. D. Device for moving stalled motor-vehicles. No. 1,280,401; Oct. 1; v. 255; p. 80.
Clark Equipment Company. (See Burrows, Robert J., assignor.)
Clark Equipment Company. (See Burrows and Ross, assignors.)
Clark, Erle T., Comanche, Okla. Folding box. No. 1,279,083; Sept. 17; v. 254; p. 529.
Clark, Ernest L. (See Smith, Herbert E., assignor.)
Clark, Ernest L., St. Maries, Idaho. Box-shook machine. No. 1,265,052; May 7; v. 250; p. 51.
Clark, Ernest P., Morriston, Fla. Manifold valve-lock. No. 1,273,740; July 23; v. 252; p. 914.
Clark, Ewen A., Revere, Mass. Torpedo-netting. No. 1,260,256; Mar. 19; v. 248; p. 733.
Clark, Ezra C. (See Topliff, Bornmann, and Clark.)
Clark, Farley G., and A. T. Stuart, assignors to The Toronto Power Company Limited, Toronto, Ontario, Canada. Chemically extracting pure metals from their ores at a temperature lower than the fusing-point of the metals to be extracted. No. 1,269,054; June 11; v. 251; p. 297.
Clark, Farley G., P. Ackerman, and C. E. Cansfield, assignors to The Toronto Power Company Limited, Toronto, Ontario, Canada. Electric-heater element. No. 1,269,052; June 11; v. 251; p. 296.
Clark, Farley G., P. Ackerman, and C. E. Cansfield, assignors to The Toronto Power Company Limited, Toronto, Ontario, Canada. Electrically-heated tank or reservoir. No. 1,269,053; June 11; v. 251; p. 296.
Clark, Farley G., P. Ackerman, and C. E. Cansfield, assignors to The Toronto Power Company, Limited, Toronto, Canada. Electrically-heated tank or reservoir. No. 1,284,876; Nov. 12; v. 256; p. 401.
Clark, Frank E., Harmony township, Chautauqua county, N. Y. Making belts. No. 1,286,229; Dec. 3; v. 257; p. 12.
Clark, Frank E., Harmony township, Chautauqua county, N. Y. Stretcher. No. 1,289,661; Dec. 31; v. 257; p. 972.
Clark, Frank H. (See Elvin, Fahnestock and Clark.)
Clark, Frederic B. (See Kronenberger, Ferdinand, assignor.)
Clark, Frederick H., Providence, R. I., assignor to I. P. Smith, Worcester, Mass. Container-record. No. 1,277,696; Sept. 3; v. 254; p. 102.
Clark, Frederick J., Syracuse, N. Y. Base-ball-game device. No. 1,268,436; June 4; v. 251; p. 105.
Clark, Frederick J., assignor to Eastman Machine Co., Buffalo, N. Y. Cloth-cutting machine. No. 1,271,279; July 2; v. 252; p. 149.
Clark, Frederick J., and W. H. Wyman, assignors to Eastman Machine Co., Buffalo, N. Y. Cloth-cutting machine. No. 1,253,352; Jan. 15; v. 246; p. 619.
Clark, Frederick W., assignor to Clark Paper & Manufacturing Company, Rochester, N. Y. Cushion-pad. No. 1,251,964; Jan. 1; v. 246; p. 154.
Clark, George. (See Archer and Clark.)
Clark, George C., Everett, Wash. Surface-dressing machine. No. 1,285,041; Nov. 19; v. 256; p. 481.
Clark, George C., Detroit, Mich., assignor to George C. Clark Metal Last Co., Mishawaka, Ind. Centrifugal casting-machine. No. 1,263,208; Apr. 16; v. 249; p. 685.
Clark, George M., Battle Creek, Mich. Boat. No. 1,258,745; Mar. 12; v. 248; p. 270.
Clark, George N., Needham Heights, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Fusee-tube-filling machine. No. 1,267,183; May 21; v. 250; p. 701.
Clark, George P., Jamaica Plain, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Eyelet-setting machine. No. 1,282,192; Oct. 22; v. 255; p. 666.
Clark, Herbert C., Prestwich, England. Roller-bearings. No. 1,280,664; Oct. 8; v. 255; p. 178.
Clark, Herbert M., Oshkosh, Wis. Driving mechanism for self-propelled vehicles. No. 1,254,885; Jan. 29; v. 246; p. 1113.
Clark, Horace F. (See White, Clarence, assignor.)
Clark, Horace O., Chicago, Ill. Engine-starter. No. 1,267,974; May 28; v. 250; p. 947.
Clark, Horace W., assignor to H. W. Clark Co., Mattoon, Ill. Meter-box. No. 1,265,053; May 7; v. 250; p. 51.
Clark, Horace W., assignor to H. W. Clark Co., Mattoon, Ill. Coupling for meters and like devices. No. 1,281,293; Oct. 15; v. 255; p. 382.
Clark, Israel L., Riverside, R. I. Papering-board. No. 1,270,006; June 18; v. 251; p. 589.
Clark, Jackson H., Sunburst, N. C. Cleat for chain conveyers. No. 1,262,174; Apr. 9; v. 246; p. 364.
Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Clamping-ring for pipe-couplings and making same. No. 1,287,884; Dec. 17; v. 257; p. 486.
Clark, James M., 3d, Bridgeport, Conn. Caliper-gage. No. 1,287,885; Dec. 17; v. 257; p. 486.
Clark, James T., assignor of one-half to G. S. Gritman, Detroit, Mich. Garment-display fixture. No. 1,255,584; Feb. 5; v. 247; p. 137.
Clark, John C., Atlanta, Ga. Pulverizer. No. 1,260,330; Mar. 26; v. 248; p. 789.
Clark, John T., Provo, Utah. Necktie-holder. No. 1,283,673; Nov. 5; v. 256; p. 62.
Clark, John W., Philadelphia, Pa. Rail-splicing. No. 1,273,823; July 30; v. 252; p. 975.
Clark, Joseph T., De Graff, Minn. Spraying apparatus. No. 1,261,101; Apr. 2; v. 249; p. 32.
Clark, Lindley, Xenia, Ohio. Machine for harvesting grain. No. 1,282,045; Oct. 22; v. 255; p. 625.
Clark, Louis F., Wilmington, Del., assignor of one-half to I. A. Anderson, Grand Rapids, Mich. Internal-combustion engine. No. 1,275,848; Aug. 13; v. 253; p. 446.
Clark, Louis H., Brooklyn, N. Y. Apron. No. 1,257,810; Feb. 26; v. 247; p. 901.
Clark, Luther L. (See Paul and Clark.)
Clark, Mabel A., Rochester, N. Y. Fruit-halving instrument. No. 1,256,439; Feb. 12; v. 247; p. 429.
Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Air-motor. No. 1,265,747; May 14; v. 250; p. 269.
Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Governor for air-motors. No. 1,273,579; July 23; v. 252; p. 872.
Clark, Milton R. (See Gayton, Samuel R., assignor.)
Clark, Myron H., Hastings-upon-Hudson, N. Y., assignor to Goodyear's Metallic Rubber Shoe Company. Footwear. No. 1,289,662; Dec. 31; v. 257; p. 972.
Clark, Nelson D., assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing-machines. No. 1,251,474; Jan. 1; v. 246; p. 7.
Clark, Nelson D., assignor to Union Special Machine Company, Chicago, Ill. Cross-thread-laying mechanism for sewing-machines. No. 1,275,389; Aug. 13; v. 253; p. 320.
Clark, Nelson D., assignor to Union Special Machine Company, Chicago, Ill. Looper-thread-controlling mechanism. No. 1,289,663; Dec. 31; v. 257; p. 972.
Clark, Nicholas H. E., Oakland, Cal. Variable-speed-transmission gearing. No. 1,284,058; Nov. 5; v. 256; p. 163.
Clark, Norris E., Plainville, Conn. Clip. No. 1,252,781; Jan. 8; v. 246; p. 422.
Clark, Norris E., Plainville, Conn. Corner-bead. No. 1,257,980; Mar. 5; v. 248; p. 9.
Clark, Norris E., Plainville, Conn. Expanded-metal frame. No. 1,259,210; Mar. 12; v. 248; p. 403.
Clark, Norris E., Plainville, Conn. Corner-bead. No. 1,288,512; Dec. 24; v. 257; p. 666.
Clark, Osroe A., Newark, N. J. Safety-razor. No. 1,260,144; Mar. 19; v. 248; p. 701.
Clark, Osroe A., Newark, N. J. Razor. No. 1,274,139; July 30; v. 252; p. 1065.
Clark y Padro, Carlos F. (See Chacon, Carlos P., assignor.)
Clark Paper & Manufacturing Company. (See Clark, Frederick W., assignor.)
Clark, Paul L., Brooklyn, N. Y. Projection-screen. No. 1,279,262; Sept. 17; v. 254; p. 575.
Clark, Prentice E., Elkins, W. Va. Transmission-gearing. No. 1,272,218; July 9; v. 252; p. 444.
Clark, Reed J., Jr., Youngstown, Ohio. Washing-machine. No. 1,285,943; Nov. 26; v. 256; p. 748.
Clark, Robert G., Brooklyn, N. Y. Plaiting-machine. No. 1,265,708; May 7; v. 250; p. 226.
Clark, Robert G., Brooklyn, N. Y. Apparatus for packing ground or comminuted material. No. 1,275,661; Aug. 13; v. 253; p. 395.
Clark, Robert G., Brooklyn, assignor to The Adjustrite Company, Inc., New York, N. Y. Adjustable window-curtain. No. 1,262,175; Apr. 9; v. 249; p. 365.
Clark, Robert K., West Springfield, Mass., assignor to The American Thread Company, Jersey City, N. J. Apparatus for treating yarn. No. 1,253,999; Jan. 15; v. 246; p. 804.

Clark, Robert K., West Springfield, Mass., assignor to The American Thread Company, Jersey City, N. J. Cotton yarn and producing the same. No. 1,254,000; Jan. 15; v. 246; p. 804.
Clark, Robert K., Evanston, Ill., assignor to American Stove Company, St. Louis, Mo. Stove. No. 1,285,042; Nov. 19; v. 256; p. 482.
Clark, Sarah, Contact, Nev. Hen-roost. No. 1,253,938; Jan. 15; v. 246; p. 787.
Clark, Sealy E., Gage, Okla. Tire-protector. No. 1,271,019; July 2; v. 252; p. 76.
Clark, Thomas E. (See Julian, Hovey, and Clark.)
Clark, Thomas E., Detroit, Mich. Brake-releasing mechanism. No. 1,262,637; Apr. 16; v. 249; p. 522.
Clark, Thomas E., Detroit, Mich. Automatic train-control apparatus. No. 1,284,239; Nov. 12; v. 256; p. 238.
Clark, Thomas T., Andover, Mass. Circular-counter locking device. No. 1,274,991; Aug. 6; v. 253; p. 184.
Clark, Walter I., Bridgeport, Nebr. Brake-locking attachment for Ford automobiles. No. 1,252,238; Jan. 1; v. 246; p. 230.
Clark, Walter L., Springfield, Mass. Drilling-machine. No. 1,272,219; July 9; v. 252; p. 444.
Clark, Walter L., Springfield, Mass. Reaming-machine. No. 1,287,636; Dec. 17; v. 257; p. 423.
Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Blocking strip metal. No. 1,258,091; Mar. 5; v. 248; p. 42.
Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Metal-coiling apparatus. No. 1,258,092; Mar. 5; v. 248; p. 42.
Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. System of control for tandem rolling-mills and the like. No. 1,267,184; May 21; v. 250; p. 701.
Clark, Warren F., Borup, Minn. Hay-stacker. No. 1,285,624; Nov. 26; v. 256; p. 667.
Clark, Wayland B., and F. J. Pritchard, Washington, D. C. Apparatus for recording and compiling statistical data. No. 1,261,490; Apr. 2; v. 249; p. 140.
Clark, Wilbur S., Camden, N. J. Filing-case. No. 1,259,602; Mar. 19; v. 248; p. 546.
Clark, Willett F., Phoenix, Ariz. Igniter for internal-combustion engines. No. 1,268,322; June 4; v. 251; p. 72.
Clark, William, assignor of one-half to J. T. Hilbert, Long Island City, N. Y. Plane. No. 1,279,263; Sept. 17; v. 254; p. 576.
Clark, William M. (See Clark and Sparks.)
Clark, William M. (See Sparks and Clark.)
Clark, William T., New York, and W. B. Bronander, assignors to Automatic Machine Products Co., Brooklyn, N. Y. Pipe-cutting machine. No. 1,278,857; Sept. 17; v. 254; p. 467.
Clark, Winfield S., Penrod, Ky. Combination table and cabinet. No. 1,258,873; Mar. 12; v. 248; p. 308.
Clark, Zachriah T., Portland, Oreg. Composition for hardening steel and similar metals. No. 1,253,786; Jan. 15; v. 246; p. 744.
Clarke, Adam, Chicago, Ill. Odorless and humidity-supplying heating-stove. No. 1,258,652; Mar. 12; v. 248; p. 244.
Clarke, Adam W. (See Harrington and Clarke.)
Clarke, Albert E., Fairport, N. Y. Reeling device for electrical conductors. No. 1,288,511; Dec. 24; v. 257; p. 666.
Clarke, Albert W., and G. Jackson, Cobourg, Ontario, Canada. Rug-holder. No. 1,274,006; July 30; v. 252; p. 1026.
Clarke, Algernon E., Grand Rapids, Mich. Elevator-lock. No. 1,268,094; June 4; v. 251; p. 7.
Clarke, Camby, Peck, Mich. Combination boiler and roaster. No. 1,265,611; May 7; v. 250; p. 201.
Clarke, Cecil M., Chicago, Ill. Apparatus for manufacturing sheathing material. No. 1,254,481; Jan. 22; v. 246; p. 962.
Clarke, Cecil M., Chicago, Ill. Manufacturing sheathing material. No. 1,269,906; June 18; v. 251; p. 564.
Clarke, Cecil M., Chicago, Ill. Sheathing material. No. 1,277,861; Sept. 3; v. 254; p. 147.
Clarke, Charles W. E., Brookline, and J. V. Santry, Roxbury, Mass. Method and apparatus for heating and supplying feed-water to boilers. No. 1,254,310; Jan. 22; v. 246; p. 914.
Clarke, David E. G., Bayonne, N. J. Dust-collector for vacuum-cleaners. No. 1,253,939; Jan. 15; v. 246; p. 787.
Clarke, Diana E., *et al.*, executors. (See Clarke, James L.)
Clarke, Edgar W., Westmont borough, Pa. Water-cooled skewback. No. 1,267,057; May 21; v. 250; p. 665.
Clarke, George. (See Stevens and Clarke.)
Clarke, George E., Toronto, Ontario, Canada. Resilient vehicle-wheel. No. 1,290,023; Dec. 31; v. 257; p. 1061.
Clarke, George H., assignor of one-third to O. R. Routh, Newark, N. J., and one-third to C. H. Fowler, New York, N. Y. Unitary fire-engine and street-sprinkler. No. 1,261,100; Apr. 2; v. 249; p. 31.
Clarke, Harry N., assignor to The Corte-Scope Company, Cleveland, Ohio. Stereoscope. No. 1,252,089; Jan. 1; v. 246; p. 190.
Clarke, James L., deceased, Leamington Spa, England; D. E. Clarke, R. A. Clarke, and C. S. Raymond-Barke, executors. Fountain-pen. No. 1,281,134; Oct. 8; v. 255; p. 307.
Clarke, John A., Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,253,213; Jan. 15; v. 246; p. 577.
Clarke, John S., East Cleveland, Ohio. Starting device for internal-combustion engines. No. 1,280,961; Oct. 8; v. 255; p. 259.
Clarke, John T., Chicago, Ill. Rod-packing. No. 1,289,664; Dec. 31; v. 257; p. 973.
Clarke, Joseph, Belfast, Ireland. Sewing-machine. No. 1,263,857; Apr. 23; v. 249; p. 882.
Clarke, Joseph M., Shreveport, La. Making leavened bread from wheat-flour and cornmeal. No. 1,272,220; July 9; v. 252; p. 444.
Clarke, Justin A., assignor of one-half to J. Zarafonetis, Vincennes, Ind. Swimming-web. No. 1,284,178; Nov. 5; v. 256; p. 195.
Clarke, Louis, College Point, N. Y. Bottle-cleaner. No. 1,276,874; Aug. 27; v. 253; p. 797.
Clarke, Mary H., and D. Maggiora, Paris, France. Bomb-launching apparatus. No. 1,262,609; Apr. 9; v. 249; p. 486.
Clarke, Matthew, Wilkes-Barre, Pa. Ellipsograph. No. 1,264,157; Apr. 30; v. 249; p. 997.
Clarke, Norman C. (See Anderson, Clarke, and Whitelaw.)
Clarke, Reginald A., *et al.*, executors. (See Clarke, James L.)
Clarke, Richard T., Columbus, Ohio. Garment-supporter. No. 1,262,451; Apr. 9; v. 249; p. 440.
Clarke, Thomas J., Jamestown, N. Y. Label-holder. No. 1,286,943; Dec. 10; v. 257; p. 220.
Clarke, Walter H., Akron, Ohio. Auxiliary wheel. No. 1,263,375; Apr. 23; v. 249; p. 750.
Clarke, Walter H., Akron, Ohio. Rubber heel. No. 1,283,468; Nov. 5; v. 256; p. 8.
Clarkson, J. Paul, St. Paul, Minn. Excavating-machine. No. 1,267,058; May 21; v. 250; p. 665.
Clarkson, Jay C., assignor of one-half to E. C. Smith, Fostoria, Tex. Chain-lock. No. 1,280,163; Oct. 1; v. 255; p. 13.
Clarkson, Thomas, Chelmsford, England. Feed-water-supply apparatus for steam-generators. No. 1,252,239; Jan. 1; v. 246; p. 230.
Clarkson, William S., New Haven, Conn. Valve-motion for fluid-pressure engines. No. 1,255,511; Feb. 5; v. 247; p. 114.
Clary Von Carlsberg, John P., Worcester, Mass. Structural joint. No. 1,266,104; May 14; v. 250; p. 370.
Clary Von Carlsberg, John P., Worcester, Mass. Picture-hanger. No. 1,273,426; July 23; v. 252; p. 831.
Clary Von Carlsberg, John P., Worcester, Mass. Picture-frame. No. 1,275,662; Aug. 13; v. 253; p. 395.
Clas, Angelo R., assignor to Falls Machine Company, Sheboygan Falls, Wis. Packingless bearing. No. 1,283,469; Nov. 5; v. 256; p. 8.
Clason, George S., Denver, Colo. Map-cabinet. No. 1,257,580; Feb. 26; v. 247; p. 833.
Class, John F., Dayton, Ohio. Medicinal-vapor generator. No. 1,262,638; Apr. 16; v. 249; p. 523.
Class, John H., Dayton, Ohio. Combination vehicle-body. No. 1,278,858; Sept. 17; v. 254; p. 467.
Classen, Alexander, Aachen, Germany. Producing ammonia. No. 1,256,875; Feb. 19; v. 247; p. 593.
Claudel, Charles H., Levallois-Perret, France. Carbureters for liquid fuel. No. 1,271,434; July 2; v. 252; p. 190.
Clause, William L., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Leer. No. 1,268,217; June 4; v. 251; p. 41.
Clausen, Frederick W. (See Hickey, John P., assignor.)
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,251,475; Jan. 1; v. 246; p. 7.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,251,644; Jan. 1; v. 246; p. 61.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing arrangement. No. 1,251,750; Jan. 1; v. 246; p. 93.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Selective switch. No. 1,251,751; Jan. 1; v. 246; p. 93.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange. No. 1,252,399; Jan. 8; v. 246; p. 310.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,253,671; Jan. 15; v. 246; p. 711.
Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company. Telephone-exchange system. No. 1,254,657; Jan. 29; v. 246; p. 1041.

Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, New York, N. Y. Impulse-transmitting device or sender. No. 1,254,658; Jan. 29; v. 246: p. 1041.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,256,661; Feb. 19; v. 247; p. 529.
Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,257,317; Feb. 26; v. 247; p. 756.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange. No. 1,262,639; Apr. 16; v. 249; p. 523.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,262,752; Apr. 16; v. 249; p. 555.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. No. 1,263,377; Apr. 23; v. 249; p. 750.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,264,158; Apr. 30; v. 249; p. 998.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Calling device. No. 1,264,366; Apr. 30; v. 249; p. 1056.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,271,133; July 2; v. 252; p. 106.
Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Trunking system. No. 1,271,855; July 9; v. 252; p. 340.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,272,221; July 9; v. 252; p. 444.
Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Contact-bank. No. 1,276,491; Aug. 20; v. 253; p. 657.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. No. 1,277,385; Sept. 3; v. 254; p. 14.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,277,386; Sept. 3; v. 254; p. 15.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Switchboard apparatus and circuits. No. 1,279,840; Sept. 24; v. 254; p. 762.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,279,841; Sept. 24; v. 254; p. 763.
Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,279,842; Sept. 24; v. 254; p. 763.
Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,288,837; Dec. 24; v. 257; p. 744.
Clausen, Henry P., Mount Vernon, and C. L. Goodrum, New York, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,251,752; Jan. 1; v. 246; p. 93.
Clausen, Henry P., Mount Vernon, and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,256,500; Feb. 12; v. 247; p. 447.
Clausen, Henry P., Mount Vernon, and C. L. Goodrum, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,263,376; Apr. 23; v. 249; p. 750.
Clausen, Henry P., Mount Vernon, and C. L. Goodrum, Brooklyn, assignors to Western Electric Company, New York, N. Y. Telephone system. No. 1,287,886; Dec. 17; v. 257; p. 486.
Clausen, Herman, assignor of three-eighths to W. D. Tripple, Seattle, Wash. Letter-sheet envelop. No. 1,254,001; Jan. 15; v. 246; p. 804.
Clausen, Leon R. (See Bowers and Clausen.)
Clausen, Leon R., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Side-delivery rake. No. 1,283,674; Nov. 5; v. 256; p. 62.
Clausin, Fred, *et al.* (See Dukeshier, Wintworth W., assignor.)
Clauson, Bryant W., Rexford, Kans. Electrical drawer-lock. No. 1,265,054; May 7; v. 250; p. 51.
Claussen, Edward E., Hartford, Conn. Machine for making plastic articles. No. 1,267,632; May 28; v. 250; p. 851.
Claussen, Edward E., and J. C. Hammer, Hartford, Conn. Floor or ceiling plate. No. 1,285,043; Nov. 19; v. 256; p. 482.

Clawson, Archie, Rockvale, Mont. Folding or collapsible receptacle. No. 1,256,112; Feb. 12; v. 247; p. 330.
Clawson, Archie, Rockvale, Mont. Folding box. No. 1,277,547; Sept. 3; v. 254; p. 59.
Clawson, James T., Ivanhoe, Minn. Clothes-line. No. 1,252,240; Jan. 1; v. 246; p. 231.
Clawson, Selden I., Salt Lake City, Utah. Volatilizing ores. No. 1,262,452; Apr. 9; v. 249; p. 441.
Clawson, Selden I., Salt Lake City, Utah. Volatilizing ores. No. 1,262,453; Apr. 9; v. 249; p. 441.
Clay, Barbara M., Stockton, Ill. Portière-beat machine. No. 1,285,044; Nov. 19; v. 256; p. 482.
Clay, Cassius M., Mexico, Mo. Hose-coupling. No. 1,252,660; Jan. 8; v. 246; p. 386.
Clay, Frank H. (See Hartman, Albert F., assignor.)
Clay, Harry C., Columbus, Ind., assignor to Emerson-Brantingham Company, Rockford, Ill. Clutch. No. 1,253,787; Jan. 15; v. 246; p. 744.
Clay, Harry C., Columbus, Ind., assignor to Emerson-Brantingham Company, Rockford, Ill. Baling-press. No. 1,288,838; Dec. 24; v. 257; p. 745.
Clay, Joseph B., Cedar Falls, Iowa. Pipe-coupling. No. 1,261,213; Apr. 2; v. 249; p. 62.
Clay, Joseph B., Cedar Falls, Iowa. Manger-partition. No. 1,261,214; Apr. 2; v. 249; p. 62.
Clay, Joseph B., Cedar Falls, Iowa. Gate-latch. No. 1,280,665; Oct. 8; v. 255; p. 178.
Clay, Joseph B., Cedar Falls, Iowa. Stanchion. No. 1,282,758; Oct. 29; v. 255; p. 847.
Clay, William E., Nantasket Beach, Mass. Label or stamp affixing device. No. 1,273,331; July 23; v. 252; p. 805.
Claybourn, Leslie W., Cincinnati, Ohio. Method of and apparatus for shaving printing-plates. No. 1,282,013; Oct. 15; v. 255; p. 574.
Claybrook, Frederick W., Baltimore, Md. Needle attachment for sound-reproducing machines. No. 1,281,135; Oct. 8; v. 255; p. 307.
Claypool, Harry F., East St. Louis, Ill. Bolt-puller. No. 1,269,683; June 18; v. 251; p. 501.
Clayton, Charlotte E., Foreston, Minn. Cooking vessel. No. 1,272,222; July 9; v. 252; p. 445.
Clayton, Ernest S. (See Derby and Clayton.)
Clayton, George W., and J. Morrison, Sharon, Pa. Check-protector. No. 1,267,744; May 28; v. 250; p. 881.
Clayton Gin Compress Co. (See Brown, George R., assignor.)
Clayton, Howard D. (See Garner and Clayton.)
Clayton and Lambert Manufacturing Company. (See Lambert, Charles R., assignor.)
Clayton, Ralph S., assignor of one-half to J. V. McHose, Philadelphia, Pa. Electric signaling circuit-closing alarm. No. 1,265,428; May 7; v. 250; p. 153.
Clayton, Washington I., assignor of one-half to C. E. Bell, Beaver Falls, Pa. Cold-drawn die. No. 1,258,874; Mar. 12; v. 248; p. 309.
Clayton, William B., Wayland, N. Y. Ventilator. No. 1,285,045; Nov. 19; v. 256; p. 482.
Clayton, William R., Evanston, Ill. Method of preservation. No. 1,252,090; Jan. 1; v. 246; p. 191.
Clear Vision Windshield Company. (See Frost, Harry W., assignor.)
Cleathero, Thomas H., West Tilbury, assignor of one-half to F. Spurr, Grays, Essex, England. Vehicle jack and turn-table. No. 1,261,703; Apr. 2; v. 249; p. 201.
Cleaver, George E., Reading, Pa., assignor to Penn Hardware Company. Lock. No. 1,272,915; July 16; v. 252; p. 669.
Cleaves, Harold E., and F. W. Horton, Washington, D. C. Treating ores. No. 1,268,323; June 4; v. 251; p. 72.
Cleman, Otto L., and A. Porret, Toronto, Ontario, Canada. Brush. No. 1,256,662; Feb. 19; v. 247; p. 529.
Clemenger, Harry G. (See Frick and Clemenger.)
Clemens, John G., Buffalo, N. Y. Electrical resistance. No. 1,263,039; Apr. 16; v. 249; p. 636.
Clemens, John G., Buffalo, N. Y. Electric soldering-iron. No. 1,286,230; Dec. 3; v. 257; p. 12.
Clemens, Mattie M. L., Chicago, Ill. Marking device for dressmakers. No. 1,283,076; Oct. 29; v. 255; p. 936.
Clemens, Samuel, Hennepin, Ill. Cultivator-blade. No. 1,280,164; Oct. 1; v. 255; p. 13.
Clément-Bayard, Adolphe, Levallois-Perret, France. Dirigible of the rigid type. No. 1,265,302; May 7; v. 250; p. 118.
Clement, Charles G. (See Menhall and Clement.)
Clement, Edward E. (See Hill, Myron F., assignor.)
Clement, Hans, New York, N. Y., assignor to General Optical Company, Inc. Machine for grinding compound lenses. No. 1,260,872; Mar. 26; v. 248; p. 946.
Clement, Hans, New York, N. Y., assignor to General Optical Company. Diagnostic instrument. No. 1,281,136; Oct. 8; v. 255; p. 307.
Clement, Leonis J. F., assignor to R. S. Stokvis & Zonen Limited, Rotterdam, Netherlands. Gas-stove. No. 1,266,105; May 14; v. 250; p. 370.
Clements, Jesse, Kent, England. Means for raising sunken objects. No. 1,255,512; Feb. 5; v. 247; p. 115.
Clemetson, Oscar N., Hoople, N. D. Coal-shovel. No. 1,285,046; Nov. 19; v. 256; p. 482.
Clemmensen, Peter C., Atlantic, Iowa. Tobacco-can. No. 1,280,165; Oct. 1; v. 255; p. 13.
Clemmer, Charles W., Dayton, Ohio, assignor to Automatic Electric Company, Chicago, Ill. Automatic selecting-switch. No. 1,257,811; Feb. 26; v. 247; p. 902.

Alphabetical list of patentees—Continued.

Clemmons, Tony C., Ensley, Ala. Mounted gun. No. 1,289,665; Dec. 31; v. 257; p. 973.
Clemson, George W., Owensmouth, Cal. Fruit slicer and pitter. No. 1,261,704; Apr. 2; v. 249; p. 201.
Clemons, Harry K., St. Paul, Minn., assignor to Wheeling Corrugating Company, Wheeling, W. Va. Tube-contractor for riveting-machines. No. 1,277,862; Sept. 3; v. 254; p. 147.
Clendenen, Bennett J., Eskdale, W. Va. Tamping bar and needle. No. 1,278,594; Sept. 10; v. 254; p. 367.
Clendenin, John C., Lynn, Mass., assignor to General Electric Company. Motor control. No. 1,253,151; Jan. 8; v. 246; p. 530.
Clendon, George W. (See Muhlfeld and Clendon.)
Clendon, George W., New York, N. Y., assignor, by mesne assignments, to Locomotive Pulverized Fuel Company. Pulverizer-fuel and air feeder and mixer. No. 1,254,393; Jan. 22; v. 246; p. 937.
Clerget, Pierre, assignor to Societe Clerget, Blin & Cie., Levallois, Seine, France. Engine and like connecting-rod head. No. 1,261,769; Apr. 9; v. 249; p. 253.
Clerk, Herbert E. (See Knight and Clerk.)
Cleve, Henry C., Washington, D. C. Sheath-removing tool. No. 1,275,225; Aug. 13; v. 253; p. 274.
Cleveland-Akron Bag Company, The. (See Scherf, Theodore, assignor.)
Cleveland Brass Manufacturing Company, The. (See Smith, William H., assignor.)
Cleveland Burial Case Company, The. (See Donnelly, James H., assignor.)
Cleveland, Darwin B., Cleveland, Ohio. Making cannon. No. 1,258,188; Mar. 5; v. 248; p. 69.
Cleveland Dental Manufacturing Company, The. (See Risley, Sheridan, assignor.)
Cleveland Electric and Machine Manufacturing Company, The. (See Carson, Jesse F., assignor.)
Cleveland Engineering Company, The. (See McGeorge, John, assignor.)
Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
Cleveland Macaroni Company, The. (See Gammel, Karl, assignor.)
Cleveland Metal Products Company, The. (See Chadwick, Lee S., assignor.)
Cleveland Punch & Shear Works Company, The. (See Daniels, Edwin G., assignor.)
Cleveland, Rufus G. (See Thompson, John H., assignor.)
Cleveland Stone Company, The. (See Hampton, John W., assignor.)
Cleveland Tractor Company, The. (See White, Rollin H., assignor.)
Cleveland Tractor Company, The. (See White, Rollin H. and C. G., assignors.)
Cleveland Trust Company, The, trustee. (See Sherman, Layton O., assignor.)
Cleveland, Willard E., assignor to G. C. Cox, Rochester, N. Y. Sound-reproducing machine. No. 1,258,189; Mar. 5; v. 248; p. 70.
Cleveland, William B., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Electric welding. No. 1,264,611; Apr. 30; v. 249; p. 1126.
Cleveland Wire Spring Company, The. (See Farrow, Ernest L., assignor.)
Clevenger, Galen H., Palo Alto, Cal., assignor to H. W. Gepp, Melbourne, Victoria, Australia. Electrolytic production of zinc. No. 1,283,077; Oct. 29; v. 255; p. 936.
Clevenger, Galen H., Palo Alto, Cal., assignor to H. W. Gepp, Melbourne, Victoria, Australia. Electrolytic recovery of zinc. No. 1,283,078; Oct. 29; v. 255; p. 936.
Clevinger, Gunther F., Charlotte, N. C. Combined shaving-mug. No. 1,280,402; Oct. 1; v. 255; p. 80.
Clews, Charles E., Paeroa, New Zealand. Clamping device. No. 1,273,741; July 23; v. 252; p. 914.
Clews, Charles E., Paeroa, Auckland, New Zealand. Combined window-sash fastener, lifter, and antirattler. No. 1,275,531; Aug. 13; v. 253; p. 358.
Cliff, Thomas, Detroit, and A. E. Arbuckle, Highland Park, Mich.; said Cliff assignor to said Arbuckle. Steam-generator. No. 1,279,514; Sept. 24; v. 254; p. 668.
Cliffe, Elza T. S., Mansfield, Ohio. Shoe-shining machine. No. 1,289,117; Dec. 31; v. 257; p. 838.
Cliffgard, Elmer, Grafton, N. D. Bit-brace. No. 1,286,231; Dec. 3; v. 257; p. 12.
Clifford, Frank, Milwaukee, Wis. Toy. No. 1,254,394; Jan. 22; v. 246; p. 938.
Clifford, Irwin S., and F. C. Tompkins, Miami, Ariz. Tailings-disposal apparatus. No. 1,271,134; July 2; v. 252; p. 106.
Clifford, Victor, Tulsa, Okla. Sealing oil-storage tanks. No. 1,266,407; May 14; v. 250; p. 451.
Clifford, Victor, assignor to Donnell Tank Protector Company, Tulsa, Okla. Oil-storage tank. No. 1,273,033; July 16; v. 252; p. 701.
Clifford, Walter, London, England. Crutch. No. 1,264,774; Apr. 30; v. 249; p. 1168.
Clifford, William H., San Francisco, Cal. Wind-shield cleaner. No. 1,266,919; May 21; v. 250; p. 625.
Clift, Frederic H., Barnes, London, England. Air-speed indicator for use on aeroplanes and the like. No. 1,267,633; May 28; v. 250; p. 851.
Clifton Manufacturing Co. (See Raymond, Nelson H., assignor.)
Climax Machine Co. (See Kelley, Alexander, assignor.)
Climenson, William W., Honey Brook, Pa. Necktie-splice. No. 1,281,766; Oct. 15; v. 255; p. 509.
Clinard, Jacob A. (See Garland and Clinard.)
Clinchy, Richard A., Forest Hills, N. Y. Lump-sugar dispenser. No. 1,284,597; Nov. 12; v. 256; p. 329.
Cline, Allan J., Chicago, Ill. Motor-controller. No. 1,274,684; Aug. 6; v. 253; p. 99.
Cline, Allan J., Chicago, Ill. Protective device for motor controllers and starters. No. 1,285,625; Nov. 26; v. 256; p. 668.
Cline, Benjamin F., Orange, N. J. Fastener for automobile-hoods. No. 1,273,332; July 23; v. 252; p. 805.
Cline, George W., Albany, Oreg. Stabilizer for flying-machines. No. 1,289,118; Dec. 31; v. 257; p. 838.
Cline, Gertrude, and A. Horton, Coleman, Mich.; said Cline assignor of one-third to said Horton. Washboard. No. 1,272,776; July 16; v. 252; p. 628.
Cline, James M., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Chuck for machine-tools. No. 1,274,685; Aug. 6; v. 253; p. 99.
Cline, John L., and W. Henderson, Lansing, Kans. Pen-wiper. No. 1,260,644; Mar. 26; v. 248; p. 882.
Cline, Mary E., *et al.* (See Brinck, Hans, assignor.)
Cline, Nelson T., and R. M. Long, Pittsburgh, Pa. Lubricating device. No. 1,265,748; May 14; v. 250; p. 270.
Clinger, William T., Oil City, Pa. Game apparatus. No. 1,257,674; Feb. 26; v. 247; p. 860.
Clingman, J. I., *et al.* (See Barnett, John B., assignor.)
Clinton, De Witt, Myrtle Point, Oreg. Spring-wheel. No. 1,258,534; Mar. 5; v. 248; p. 170.
Clinton, Harry D., Whitney Point, N. Y. Shipping-plug for projectiles. No. 1,279,264; Sept. 17; v. 254; p. 576.
Clinton, Thomas J. (See Cooper, Lyman M., assignor.)
Clinton, Thomas J., assignor to United Refrigerators Company, Detroit, Mich. Preserving perishable products. No. 1,251,476; Jan. 1; v. 246; p. 7.
Clinton Wire Cloth Company. (See Hood, Ralph O., assignor.)
Clip Bar Manufacturing Company. (See Ficklen, William E., assignor.)
Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
Clipper Belt Lacer Company. (See Vanderveld, Anthony, assignor.)
Clo-Mix Company, The. (See Clover, Harry E., assignor.)
Cloakey, William J. P., Brantford, Ontario, Canada. Dust-collector. No. 1,275,663; Aug. 13; v. 253; p. 395.
Cloetens, Georges, Brussels, Belgium. Tremolo device for organs. No. 1,262,640; Apr. 16; v. 249; p. 523.
Clooney, William J., St. Louis, Mo. Tool-holding attachment for wrenches. No. 1,281,294; Oct. 15; v. 255; p. 383.
Cloovas, Thomas, Yorkville, Ohio. Cigar and cigarette holder. No. 1,289,666; Dec. 31; v. 257; p. 973.
Clopton, William C., St. Louis, Mo. Violin, mandolin, and other stringed musical instrument. No. 1,272,011; July 9; v. 252; p. 386.
Close, Daniel H., Elmhurst, N. Y., assignor to V. Close, Newark, N. J. Brick-re-pressing machine. No. 1,262,016; Apr. 9; v. 249; p. 319.
Close, George L. (See Webb and Close.)
Close, George L., Mount Vernon, assignor to Church, Webb & Close, Inc., New York, N. Y. Head-gear. No. 1,284,240; Nov. 12; v. 256; p. 239.
Close, James, Newark, N. J. Furniture. No. 1,253,214; Jan. 15; v. 246; p. 577.
Close, Loyd W., Manhattan, Mont. Sectional wheel-rim. No. 1,254,120; Jan. 22; v. 246; p. 860.
Close, Van Voorhis. (See Close, Daniel H., assignor.)
Close, William F., Waterloo, Iowa. Watering device. No. 1,288,383; Dec. 17; v. 257; p. 607.
Close, Zacheus A., assignor to R. M. Winfield, Mount Vernon, N. Y. Measuring and weighing machine. No. 1,259,836; Mar. 19; v. 248; p. 614.
Clothel Company, The. (See De Leon, Paul A., assignor.)
Clouatre, Joseph A., Brittany, La. Plow-colter. No. 1,254,985; Jan. 29; v. 246; p. 1139.
Cloud, George H., assignor to The Franklin Baker Company, Philadelphia, Pa. Sterilizing apparatus. No. 1,277,387; Sept. 3; v. 254; p. 15.
Clough, Alfred N., assignor to Three Leaf Cot Manufacturing Co., San Jose, Cal. Folding cot. No. 1,263,040; Apr. 16; v. 249; p. 636.
Clough, Alfred N. and C. W., Chowchilla, Cal. Folding cot. No. 1,276,033; Aug. 20; v. 253; p. 528.
Clough, Charles W. (See Clough, Alfred N. and C. W.)
Clough, E. J., *et al.* (See Groves, Ray H., assignor.)
Clough, Lee, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Solid tire. No. 1,268,437; June 4; v. 251; p. 105.
Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Bolt-heading machine. No. 1,263,309; Apr. 16; v. 249; p. 710.
Cloutier, Louis P., Montreal, Quebec, Canada. Clothes-hook. No. 1,271,435; July 2; v. 252; p. 190.

Clover, Alphonso M., assignor to Parke, Davis & Company, Detroit, Mich. Trimethylene glycol disalicylate and preparing the same. No. 1,286,944; Dec. 10; v. 257; p. 220.
Clover, Edward L. (See Horne, James A., assignor.)
Clover, Harry E., assignor to The Clo-Mix Company, Elkhart, Ind. Register. No. 1,265,055; May 7; v. 250; p. 51.
Clover, Howard K., Los Angeles, Cal., assignor to Electrical Products Corporation, Wilmington, Del. Electric water-heater. No. 1,252,661; Jan. 8; v. 246; p. 387.
Cloyed, Curtis A., Cedar Vale, Kans. Crank attachment. No. 1,270,007; June 18; v. 251; p. 589.
Cloyd, Oliver H., Peoria, Ill., assignor, by mesne assignments, to Crown Tire & Rubber Company, Ralston, Nebr. Tire and making the same. No. 1,270,247; June 18; v. 251; p. 653.
Cluett, Peabody & Co. (See Cree, James F., assignor.)
Cluett, Peabody & Co. (See Hurd, Hubbard F., assignor.)
Cluett, Peabody & Company. (See Hurd and Wright, assignors.)
Cluett, Peabody & Co. (See Kennedy, Richard O., assignor.)
Cluett, Peabody and Co. (See Kennedy and Connolly, assignors.)
Cluett, Sanford L., Hoosick Falls, N. Y. Attachment for mowers and the like. No. 1,275,390; Aug. 13; v. 253; p. 320.
Clulee, Stephen J., Attleboro, Mass. Tag. No. 1,275,226; Aug. 13; v. 253; p. 275.
Clulee, Stephen J., Attleboro, Mass. Eyeglasses. No. 1,282,759; Oct. 29; v. 255; p. 847.
Clulee, Stephen J., Attleboro, Mass. Eyeglasses. No. 1,286,534; Dec. 3; v. 257; p. 87.
Clune, John H. (See Collette, William, assignor.)
Clutter, Joseph F., assignor of one-half to L. E. Adams, Omaha, Nebr. Highway-maintaining machine. No. 1,288,513; Dec. 24; v. 257; p. 666.
Clutter, Leroy P., Beaver Falls, Pa. Excavating-machine. No. 1,288,514; Dec. 24; v. 257; p. 667.
Clutter, Le Roy P., Washington, Pa. Excavator. No. 1,289,395; Dec. 31; v. 257; p. 908.
Clyde E. Lowe Company, The. (See Clark and Lowe, assignors.)
Clyde Iron Works. (See McGiffert, John R., assignor.)
Clydesdale, James, Weehawken, N. J. Protective-armor belt for pneumatic tires. No. 1,269,388; June 11; v. 251; p. 389.
Co-Operative Foundry Co. (See Kennedy, Thomas R., assignor.)
Coad, Henry, Ainsworth, Nebr. Wheel weeder-hoe. No. 1,270,787; July 2; v. 252; p. 9.
Coakley, Henry L., New York, N. Y. Aeroplane. No. 1,288,384; Dec. 17; v. 257; p. 607.
Coalite, Limited. (See Wellington, Stephen N., assignor.)
Coalson, Archie D., Birmingham, Ala. Frog. No. 1,252,400; Jan. 8; v. 246; p. 310.
Coanda, Henri, Paris, France. Construction of wagons. No. 1,276,621; Aug. 20; v. 253; p. 693.
Coast, John W., Jr. (See Cosden and Coast.)
Coast, John W., Jr., Tulsa, Okla., assignor, by mesne assignments, to The Process Company. Distilling hydrocarbons. No. 1,252,401; Jan. 8; v. 246; p. 311.
Coast, John W., Jr., Tulsa, Okla., assignor to The Process Company. Cracking hydrocarbons. No. 1,258,190; Mar. 5; v. 248; p. 70.
Coast, John W., Jr., Tulsa, Okla., assignor to The Process Company. Means for cracking hydrocarbons. No. 1,258,191; Mar. 5; v. 248; p. 70.
Coast, John W., Jr., assignor to The Process Company, Tulsa, Okla. Cracking hydrocarbons. No. 1,252,999; Jan. 8; v. 246; p. 485.
Coast, John W., Jr., assignor to The Process Company, Tulsa, Okla. Apparatus for cracking hydrocarbons. No. 1,253,000; Jan. 8; v. 246; p. 486.
Coast Manufacturing and Supply Company. (See Cole, Albert S., assignor.)
Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company, Limited, Wolverhampton, England. Joint for use in linkwork. No. 1,251,965; Jan. 1; v. 246; p. 154.
Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England. Oil-filter for use on internal-combustion engines. No. 1,253,576; Jan. 15; v. 246; p. 684.
Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England. Lubrication system for internal-combustion engines. No. 1,253,940; Jan. 15; v. 246; p. 787.
Coatalen, Louis, Wolverhampton, England. Means for protecting the ignition apparatus of internal-combustion engines. No. 1,256,876; Feb. 19; v. 247; p. 593.
Coate, William V., Celina, Ohio. Automatic damper. No. 1,255,709; Feb. 5; v. 247; p. 172.
Coates, George, assignor of one-third to A. Gatheridge, and one-third to M. D. Morgan, Victor, Colo. Rail-joint.
Coates, George H., Worcester, Mass. Coupling for shafts. No. 1,286,945; Dec. 10; v. 257; p. 220.
No. 1,280,403; Oct. 1; v. 255; p. 80.
Coates, Walter A., Providence, R. I. Eyeglass-mounting. No. 1,261,361; Apr. 2; v. 249; p. 105.
Coats, Douglas R. P., Montreal, Quebec, Canada. Educational appliance. No. 1,286,232; Dec. 3; v. 257; p. 12.
Coats, Edward O., Postoak, assignor of one-half to W. L. and H. K. Downing, Chilhowee, Mo. Roller-bearing worm-drive. No. 1,256,440; Feb. 12; v. 247; p. 429.
Coats, Henry B., Crawfordsville, Ind. Making vehicle-wheels. No. 1,257,318; Feb. 26; v. 247; p. 757.
Coats, Henry B., Crawfordsville, Ind. Vehicle-wheel. No. 1,279,265; Sept. 17; v. 254; p. 576.
Coats, Henry B., Veedersburg, Ind. Vehicle-wheel. (Reissue.) No. 14,467; May 7; v. 250; p. 231.
Coats, Henry B., Veedersburg, Ind. Vehicle-wheel. No. 1,266,408; May 14; v. 250; p. 452.
Coats, Henry B., Veedersburg, Ind. Vehicle-wheel. No. 1,284,241; Nov. 12; v. 256; p. 239.
Coats, Henry B., Veedersburg, Ind. Cushion-wheel. No. 1,285,944; Nov. 26; v. 256; p. 748.
Coats Machine Tool Company. (See Mackintosh, William B., assignor.)
Coats Machine Tool Company. (See Van Auken, Clarence E., assignor.)
Coats, Roy N., Marshalltown, Iowa. Thermostatic fan. No. 1,267,975; May 28; v. 250; p. 947.
Cobarubia, Frank, Sacramento, Cal. Returning hoop. No. 1,270,378; June 25; v. 251; p. 715.
Cobb, Albert C., Houston, Tex. Centrifugal brake mechanism. No. 1,263,041; Apr. 16; v. 249; p. 636.
Cobb, Alton E. (See Parker and Cobb.)
Cobb, Bayard G., Dawson City, Yukon, Canada, assignor to J. F. Skerrett, H. Griffin, H. M. Kidder, R. I. Barr, and E. Inescort, New York, N. Y., and Andes Exploration and Smelting Corporation. Method and apparatus for the electrical reduction of ores. No. 1,267,976; May 28; v. 250; p. 947.
Cobb, Edward S., Whittier, Cal. Railway intersection. No. 1,257,280; Feb. 19; v. 247; p. 711.
Cobb, Edward S., Whittier, Cal., assignor to Cobb Shockless Cross Corporation, New York, N. Y. Switch and frog. No. 1,252,662; Jan. 8; v. 246; p. 387.
Cobb, Edward S., Whittier, Cal., assignor to Cobb Shockless Crossing Corporation, New York, N. Y. Rail-support. No. 1,252,663; Jan. 8; v. 246; p. 387.
Cobb, Edward S., Whittier, Cal., assignor to Cobb Shockless Crossing Corporation, New York, N. Y. Railway intersection. No. 1,252,664; Jan. 8; v. 246; p. 388.
Cobb, Edward S., Whittier, Cal., assignor to Cobb Shockless Crossing Corporation, New York, N. Y. Crossing-operating system. No. 1,257,279; Feb. 19; v. 247; p. 710.
Cobb, Edward S., Whittier, Cal., assignor, by mesne assignments, to Cobb Shockless Crossing Corporation, New York, N. Y. Railway intersection. No. 1,257,812; Feb. 26; v. 247; p. 902.
Cobb, Edward S., Whittier, assignor of one-third to J. H. Batcher, San Francisco, Cal. Fruit-clipper. No. 1,287,637; Dec. 17; v. 257; p. 423.
Cobb, Edwin F., assignor of forty-five one-hundredths to Walter East, trustee, Denver, Colo. Package-tie. No. 1,271,436; July 2; v. 252; p. 190.
Cobb, F. Gordon, Greenville, S. C. Picker-stick check. No. 1,277,863; Sept. 3; v. 254; p. 147.
Cobb, Fredrick E., *et al.* (See Rothenberger, Simon W., assignor.)
Cobb, George W. (See Wegner, Fred, assignor.)
Cobb, Henry Z., Winchester, Mass., assignor to Revere Rubber Company. Golf-ball. No. 1,255,388; Feb. 5; v. 247; p. 80.
Cobb, Henry Z., Winchester, Mass., assignor to Revere Rubber Company. Making resilient balls and apparatus therefor. No. 1,270,008; June 18; v. 251; p. 589.
Cobb, Henry Z., Winchester, Mass., assignor to Revere Rubber Company. Ball-winding machine. No. 1,270,009; June 18; v. 251; p. 590.
Cobb, Hyman S., Birmingham, Ala. Picture-frame. No. 1,253,152; Jan. 8; v. 246; p. 531.
Cobb, Nathan A., Falls Church, Va. Microscope finder-slide. No. 1,264,489; Apr. 30; v. 249; p. 1091.
Cobb Shockless Cross Corporation. (See Cobb, Edward S., assignor.)
Cobe, Harry H., Boston, Mass., assignor to Burd Ring Sales Company, Buffalo, N. Y. Separable fastener. No. 1,268,927; June 11; v. 251; p. 261.
Cobellis, Fabricius, Philadelphia, Pa. Manufacture of peroxid of hydrogen and barium nitrate. No. 1,273,824; July 30; v. 252; p. 975.
Coberly, Clarence J., Los Angeles, Cal., assignor, by mesne assignments, to Motion Picture Apparatus Co., New York, N. Y. Mechanical movement. No. 1,284,598; Nov. 12; v. 256; p. 330.
Cobler, Lee O., and J. E. Deandrea, Dallas, Tex. Shank-stiffener and heel-plate for shoes. No. 1,265,056; May 7; v. 250; p. 52.
Coburn, Henry E. (See Andersson and Coburn.)
Coburn Trolley Track M'f'g Co. (See Stewart, John H., assignor.)
Cobwell Corporation. (See Wells, Raymond, assignor.)
Coby, William A., and F. E. Davidson, Tulsa, Okla. Well-torpedo. No. 1,273,825; July 30; v. 252; p. 976.
Cochran, Charles R., Brogan, Oreg. Nut-lock. No. 1,260,645; Mar. 26; v. 248; p. 883.

Alphabetical list of patentees—Continued.

Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. No. 1,260,145; Mar. 19; v. 248; p. 701.
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. No. 1,275,849; Aug. 13; v. 253; p. 447.
Cochran, Eugene, Cleveland, Ohio. Lamp-globe fixture. (Reissue.) No. 14,478; June 4; v. 251; p. 210.
Cochran, James T., Anderson, Ind. Car-step. No. 1,260,754; Mar. 26; v. 248; p. 914.
Cochran, Joseph, New Orleans, La. Tractor. No. 1,268,324; June 4; v. 251; p. 73.
Cochran, Roy B. (See Miller, Volney T., assignor.)
Cochran, Thomas I., Detroit, Mich. Fuel-feeding apparatus for internal-combustion engines. No. 1,256,519; Feb. 19; v. 247; p. 488.
Cochran, Thomas I., Detroit, Mich. Fuel-feeding apparatus for internal-combustion engines. No. 1,261,905; Apr. 9; v. 249; p. 289.
Cochran, W. B. (See Smith, Andrew J., assignor.)
Cochran, Wesley E., Cleveland, Ohio. Lighting-fixture. No. 1,286,535; Dec. 3; v. 257; p. 87.
Cochran, William K., Springfield, Ohio. Metallic filing-case. No. 1,268,063; May 28; v. 250; p. 971.
Cochrane, Albert P., Brooklyn, assignor to Hervey, Barber & McKee, New York, N. Y. Container. No. 1,264,015; Apr. 23; v. 249; p. 926.
Cochrane, Albert P., Brooklyn, assignor to Hervey, Barber & McKee, New York, N. Y. Container. No. 1,277,864; Sept. 3; v. 254; p. 148.
Cochrane, Albert P., Brooklyn, assignor to Hervey, Barber & McKee, New York, N. Y. Corner-fastening. No. 1,283,079; Oct. 29; v. 255; p. 936.
Cochrane, Charles E., and S. F. McGrew, Denver, Colo. Motor-manifold-locking device. No. 1,279,656; Sept. 24; v. 254; p. 709.
Cochrane, Robert B., assignor to Perfect Bottle Opener Company, Charlotte, N. C. Bottle-opener. No. 1,274,140; July 30; v. 252; p. 1065.
Cochrane, Wilbur A., Sea Cliff, N. Y. Reflector. No. 1,251,477; Jan. 1; v. 246; p. 8.
Cock, Chris ter, Baarn, Netherlands. Clutch. No. 1,287,234; Dec. 10; v. 257; p. 294.
Cock, Christer, London, England. Variable-speed gear. No. 1,252,241; Jan. 1; v. 246; p. 231.
Cockburn, David, and D. MacNicoll, Cardonald, near Glasgow, Scotland. Safety-valve. No. 1,262,641; Apr. 16; v. 249; p. 523.
Cockburn, Francis B., assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Head-stock for engine-lathes. No. 1,259,959; Mar. 19; v. 248; p. 651.
Cocke, William A., Cartersville, Va. Stump-puller. No. 1,265,612; May 7; v. 250; p. 201.
Cockerell, Benjamin F., Kansas City, Mo. Plaster-board clip. No. 1,286,233; Dec. 3; v. 257; p. 13.
Cockey, Joshua T., Baltimore, Md. Automatic window-sash closer. No. 1,279,843; Sept. 24; v. 254; p. 763.
Cockrell, Frank M., and J. M. Rockwell, Liberty, Mo. Cover for radiators. No. 1,265,429; May 7; v. 250; p. 153.
Cockrill, Charles F., Salinas, Cal. Clothes-pin. No. 1,253,468; Jan. 15; v. 246; p. 654.
Cocks, George H., Ashland, Ky. Combination drill-press table and vise-holder. No. 1,260,513; Mar. 26; v. 248; p. 843.
Codos, Jacob, and B. May, New York, N. Y. Door-lock. No. 1,258,746; Mar. 12; v. 248; p. 270.
Cody Burglar Alarm Company. (See Cody, James M., assignor.)
Cody, Edward P., *et al.* (See Schneider, Frederick E., assignor.)
Cody, James M., Seattle, Wash., assignor to Cody Burglar Alarm Company. Burglar-alarm. No. 1,251,864; Jan. 1; v. 246; p. 127.
Cody, Sherwin, Chicago, Ill. Teaching device. No. 1,281,295; Oct. 15; v. 255; p. 383.
Coe, Addison A., Brooklyn, N. Y. Shell-fish dredger. No. 1,283,080; Oct. 29; v. 255; p. 937.
Coe, Charles T., Kearney, N. J. Turbine fan-blower. No. 1,268,095; June 4; v. 251; p. 7.
Coe, Charles T., Kearney, N. J. Automatically-controlled turbine fan-blower and damper. No. 1,282,046; Oct. 22; v. 255; p. 625.
Coe, Frank M., New York, N. Y. Tractor-wheel. No. 1,256,113; Feb. 12; v. 247; p. 331.
Coe, Ira J. (See La Roche, Frederick L., assignor.)
Coen, Garnet W., San Francisco, Cal. Combustion baffle-plate. No. 1,257,952; Feb. 26; v. 247; p. 942.
Coen, Ralph M., New York, N. Y. Toilet-kit holder. No. 1,281,296; Oct. 15; v. 255; p. 383.
Coesfeld, John H., assignor to Baker Ice Machine Company, Omaha, Nebr. Controlling means for refrigerating apparatus. No. 1,270,928; July 2; v. 252; p. 50.
Coesfeld, John H., assignor to Baker Ice Machine Company, Omaha, Nebr. Ice-can holding means. No. 1,278,109; Sept. 10; v. 254; p. 237.
Coffee, Robert W., assignor of three-tenths to W. P. Redd and three-tenths to C. C. Satterfield, Richmond, Va. Viscous stereotyping-mat compound. No. 2,276,492; Aug. 20; v. 253; p. 658.
Coffey, Joseph M., assignor to Chambers Valve Company, New York, N. Y. Throttle. No. 1,260,646; Mar. 26; v. 248; p. 883.
Coffey, Joseph M., assignor to Chambers Valve Company, New York, N. Y. Throttle-valve-actuating mechanism. No. 1,289,667; Dec. 31; v. 257; p. 973.
Coffey, Joseph M., Elizabeth, N. J., assignor to Chambers Valve Company, New York, N. Y. Throttle-box. No. 1,289,396; Dec. 31; v. 257; p. 908.
Coffey, Thomas, West Tulsa, Okla. Arch-supporting shoe. No. 1,272,223; July 9; v. 252; p. 445.
Coffield, James L., Dayton, Ohio. Driving mechanism for clothes-wringers. No. 1,261,009; Apr. 2; v. 249; p. 5.
Coffield, James L., Dayton, Ohio. Gearing for washing-machines. No. 1,270,379; June 25; v. 251; p. 715.
Coffield, James L., Dayton, Ohio. Driving mechanism for washing-machines. No. 1,280,166; Oct. 1; v. 255; p. 13.
Coffin, Abbott S. (See Huber, George T., assignor.)
Coffin, Albert T., El Paso, Tex. Device for closing spouts of cans. No. 1,269,389; June 11; v. 251; p. 389.
Coffin, Charles L., Parks, Ga., assignor to Electric Metal Working Company, Detroit, Mich. Arc welding, heating, and the like. No. 1,265,613; May 7; v. 250; p. 201.
Coffin, Charles W., Portland, Me. Amusement device. No. 1,262,579; Apr. 9; v. 249; p. 477.
Coffin, Charles W., assignor to The E. T. Burrowes Company, Portland, Me. Folding table. No. 1,288,385; Dec. 17; v. 257; p. 607.
Coffin, Everett M., Piedmont, Cal. Conduit-fastener. No. 1,288,515; Dec. 24; v. 257; p. 667.
Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Buffer. No. 1,284,243; Nov. 12; v. 256; p. 240.
Coffman, Albert L. (See Craig and Coffman.)
Coffman, Herbert, Nazareth, Pa. Juice-asepticizing process. No. 1,270,698; June 25; v. 251; p. 802.
Coffman, Homer A., Keota, Iowa. Plow. No. 1,262,176; Apr. 9; v. 249; p. 365.
Coffman, Robert L., Big Sandy, Tenn. Fuel-heater for gas-engines. No. 1,267,185; May 21; v. 250; p. 702.
Cogan, Henry M., Brooklyn, N. Y. Fuse. No. 1,278,110; Sept. 10; v. 254; p. 237.
Coggin, Frank F. (See McLaughlin, Milton P., assignor.)
Coggins, Grace, Cotati, Cal. Sad-iron stand. No. 1,277,865; Sept. 3; v. 254; p. 148.
Coghill, Eliza J., McAlester, Okla. Shoe. No. 1,263,645; Apr. 23; v. 249; p. 825.
Coghlan, Raymond G., Newark, N. J. Automobile-body. No. 1,277,294; Aug. 27; v. 253; p. 907.
Cogsdill, Stuart A., assignor to Detroit Reamer Salvage Co., Detroit, Mich. Salvaging reamers or like tools. No. 1,267,514; May 28; v. 250; p. 817.
Cogswell, George K., Darlow, Kans. Acetylene-gas generator. No. 1,262,177; Apr. 9; v. 249; p. 365.
Cohen, Alexander, Hamilton, Newcastle, New South Wales, Australia. Caster. No. 1,278,436; Sept. 10; v. 254; p. 323.
Cohen, Barney. (See Puretz and Cohen.)
Cohen, Benjamin, New York, N. Y. Apparel-belt end. No. 1,287,638; Dec. 17; v. 257; p. 423.
Cohen, Girard M., *et al.* (See Harvey, Millard L., assignor.)
Cohen, Henry D., Newark, N. J. Glass for headlights. No. 1,273,580; July 23; v. 252; p. 873.
Cohen, Israel, Detroit, Mich. Clamp for holding cloth. No. 1,254,311; Jan. 22; v. 246; p. 914.
Cohen, Jacob. (See Arnold, Fred I., assignor.)
Cohen, Louis. (See Squier, Austin, and Cohen.)
Cohen, Louis, assignor of one-half to G. O. Squier, Washington, D. C. System of electric signaling. No. 1,289,668; Dec. 31; v. 257; p. 973.
Cohen, Myer, Revere, Mass. Automatic jacking device for self-propelled vehicles. No. 1,266,409; May 14; v. 250; p. 452.
Cohen, Meyer D., assignor of one-third to F. Strauss and one-third to D. J. Borun, Milwaukee, Wis. Protecting device for beds. No. 1,284,599; Nov. 12; v. 256; p. 330.
Cohen, Reuben M., Chattanooga, Tenn. Hat-presser. No. 1,280,167; Oct. 1; v. 255; p. 14.
Cohen, William, Bayonne, N. J. Embroidery-machine. No. 1,265,430; May 7; v. 250; p. 154.
Cohen, Wolf, Fort Worth, Tex. Oil-tank protector. No. 1,270,497; June 25; v. 251; p. 750.
Cohn, Charles H., New York, N. Y. Combined cigar cutter and lighter. No. 1,281,912; Oct. 15; v. 255; p. 550.
Cohn, Charles W., New York, N. Y. Display-case. No. 1,287,639; Dec. 17; v. 257; p. 423.
Cohn, Herman, New York, N. Y. Machine for pressing and forming hats. No. 1,257,675; Feb. 26; v. 247; p. 861.
Cohn, Isidor M., New York, N. Y. Trousers. No. 1,277,866; Sept. 3; v. 254; p. 148.
Cohn, Philip V., Montclair, N. J., and T. H. Newton, Easthampton, Mass., assignors to United Button Company, New York, N. Y. Socket member for snap-buttons. No. 1,283,081; Oct. 29; v. 255; p. 937.
Cohoes Envelope Co. (See Kleebauer, Charles P., assignor.)

Cobolan, William T., New Britain, Conn. Truss. No. 1,279,657; Sept. 24; v. 254; p. 709.
Cohoon, William C., Hood River, Oreg. Match-scratcher. No. 1,262,642; Apr. 16; v. 249; p. 524.
Coin Controlled Lock Company. (See King, Roy D., assignor.)
Coin, James W., Hedley, Tex. Mine-sweeper and ship-shield. No. 1,281,520; Oct. 15; v. 255; p. 445.
Coin Machine Manufacturing Company. (See Potter, Thomas I., assignor.)
Coiner, De Witt M., Statesville, N. C. Shovel. No. 1,273,581; July 23; v. 252; p. 873.
Coinometer Company. (See Jorgensen and Latimer, assignors.)
Coker, James R., Knoxville, Tenn. Selective automatic train-stop system. No. 1,289,397; Dec. 31; v. 257; p. 908.
Colardeau, Louis J. E., and J. Richard, Paris, France. Stereoscopic apparatus. No. 1,256,774; Feb. 19; v. 247; p. 562.
Colbert, Bradford, Pine Bluff, Ark. Multiphase spring-motor. No. 1,271,437; July 2; v. 252; p. 190.
Colbery, Charles T., Charlton, London, England. Carpet-fastener. No. 1,289,119; Dec. 31; v. 257; p. 858.
Colborn, George L., assignor of one-half to W. Gilbert, New York, N. Y. Change-delivering machine. No. 1,273,742; July 23; v. 252; p. 914.
Colburn, Ernest A. (See Colburn, Herbert C. and E. A.) (Reissue.)
Colburn, Herbert C., Colorado Springs, and E. A. Colburn, Denver, Colo.; said Herbert C. Colburn assignor to said E. A. Colburn. Ore-flotation process. (Reissue.) No. 14,497; July 30; v. 252; p. 1124.
Colburn, Irving W., assignor to The Toledo Glass Company, Toledo, Ohio. Sheet-glass-drawing machanism. No. 1,274,385; Aug. 6; v. 253; p. 10.
Colburn Machine Tool Company. (See Head, Ernest C., assignor.)
Colburn, S. M. (See Kees, Frederick, assignor.)
Colburn, Serenus M., assignor of one-half to F. Kees, Minneapolis, Minn. Vehicle-tank indicator. No. 1,283,082; Oct. 29; v. 255; p. 937.
Colburn, Sophia, Fort Worth, Tex. Thimble. No. 1,270,699; June 25; v. 251; p. 803.
Colby, Fred, Tuxedo Park, N. Y. Pneumatic tire. No. 1,276,875; Aug. 27; v. 253; p. 797.
Colby, Frederick W., Boston, Mass. Telephone-index. No. 1,266,214; May 14; v. 250; p. 401.
Colby, Ora A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Percolator-heater. No. 1,268,928; June 11; v. 251; p. 261.
Coldwell, Harry T., Chicago, Ill. Motor-propelled tractor. No. 1,283,083; Oct. 29; v. 255; p. 937.
Coldwell, John S., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controlled brake. No. 1,261,771; Apr. 9; v. 249; p. 253.
Coldwell, William H., Newburgh, N. Y. Motor lawn-mower. No. 1,263,209; Apr. 16; v. 249; p. 685.
Coldwell, William H., Newburgh, N. Y. Lawn-mower. No. 1,279,266; Sept. 17; v. 254; p. 576.
Coldwell, William H., Newburgh, N. Y. Lawn-mower. No. 1,279,267; Sept. 17; v. 254; p. 577.
Coldwell, William H., Newburgh, N. Y. Wheel-mounting. No. 1,279,268; Sept. 17; v. 254; p. 577.
Coldwell, William H., Newburgh, N. Y. Roller-mounting for lawn-mowers. No. 1,279,269; Sept. 17; v. 254; p. 578.
Coldwell, William H., Newburgh, N. Y. Wheel. No. 1,286,536; Dec. 3; v. 257; p. 87.
Cole, Albert S., assignor to Coast Manufacturing and Supply Company, Livermore, Cal. Portable electric fuse-lighter. No. 1,262,307; Apr. 9; v. 249; p. 400.
Cole, Arthur D., St. Paul, Minn. Line-drive for walking-tractors. No. 1,252,402; Jan. 8; v. 246; p. 311.
Cole, Arthur D., Toronto, Ontario, Canada. Controlling-lever for motor-vehicles. No. 1,259,489; Mar. 19; v. 248; p. 515.
Cole, Augustine J., *et al.*, executors. (See Cole, James P.)
Cole, Charles C. (See Kruse, Theodore H., assignor.)
Cole, Charles T., Roundup, Mont. Testing apparatus for spark coils, plugs, &c. No. 1,282,760; Oct. 29; v. 255; p. 847.
Cole, Clarence W., Los Angeles, Cal. Reflector. No. 1,259,364; Mar. 12; v. 248; p. 447.
Cole, Clifford E., Birmingham, Ala. Roof-flashing. No. 1,287,235; Dec. 10; v. 257; p. 295.
Cole, Clifford M. (See Adams, William S., assignor.)
Cole, Clifford W., Camden, N. J. Automobile attachment. No. 1,252,551; Jan. 8; v. 246; p. 356.
Cole, Dwight S., and H. B. Gillette, Grand Rapids, Mich. Road construction. No. 1,254,401; Jan. 22; v. 246; p. 940.
Cole, Earl W., Ovid, Mich. Spark-plug for internal-combustion engines. No. 1,257,581; Feb. 26; v. 247; p. 834.
Cole, Elnathan, Los Angeles, Cal. Signal-display. No. 1,274,007; July 30; v. 252; p. 1026.
Cole, Elnathan, Los Angeles, Cal., assignor to Cole Manufacturing Company. Flue construction. No. 1,264,016; Apr. 23; v. 249; p. 926.
Cole, Elnathan, assignor to Cole Manufacturing Company, Los Angeles, Cal. Gas-radiator. No. 1,269,907; June 18; v. 251; p. 564.
Cole, Elnathan, assignor to Cole Manufacturing Company, Los Angeles, Cal. Gas-radiator. No. 1,288,516; Dec. 24; v. 257; p. 667.
Cole, Ernest C., Chicago, Ill. Stove. No. 1,278,859; Sept. 17; v. 254; p. 468.
Cole, Frederick W., Newton, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Electric signal system. No. 1,253,001; Jan. 8; v. 246; p. 486.
Cole, Frederick W., Newton, Mass., assignor to Gamewell Fire Alarm Telegraph Co. Signal-box with local-alarm mechanism. No. 1,265,749; May 14; v. 250; p. 270.
Cole, Frederick W., Newton Highlands, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Signal-box having local alarms. No. 1,266,920; May 21; v. 250; p. 626.
Cole, George A. (See Rowley, Everett V., assignor.)
Cole, George E., South Bend, Ind. Hub. No. 1,278,595; Sept. 10; v. 254; p. 367.
Cole, George H., Wenona, Ill. Perforating and scoring attachment for printing-presses. No. 1,270,788; July 2; v. 252; p. 9.
Cole, Harry J., Bennington, Vt. Mechanical toy. No. 1,279,270; Sept. 17; v. 254; p. 578.
Cole, Harry J., Bennington, Vt. Mechanical toy. No. 1,279,271; Sept. 17; v. 254; p. 578.
Cole, Harry J., Bennington, Vt. Mechanical toy. No. 1,279,987; Sept. 24; v. 254; p. 803.
Cole, Harry J., Bennington, Vt. Mechanical toy. No. 1,279,988; Sept. 24; v. 254; p. 804.
Cole, Homer L., and F. S. Bishop, Santa Ana, Cal. Nut-meat-cleaning apparatus. No. 1,279,844; Sept. 24; v. 254; p. 763.
Cole, Howard W., Bluejacket, Okla. Ball-bearing bit turn-table. No. 1,285,945; Nov. 26; v. 256; p. 748.
Cole, James P., deceased, Glen View, Ill.; A. J. and L. S. Cole, executors. Draw-coupling for wire cables. No. 1,257,981; Mar. 5; v. 248; p. 10.
Cole, John A., Chicago, Ill. Recording apparatus. No. 1,283,084; Oct. 29; v. 255; p. 938.
Cole, John A., Chicago, Ill. Recording apparatus. No. 1,283,085; Oct. 29; v. 255; p. 938.
Cole, John A., Chicago, Ill. Recording apparatus. No. 1,286,234; Dec. 3; v. 257; p. 13.
Cole, John A., Chicago, Ill. Recording apparatus. No. 1,286,537; Dec. 3; v. 257; p. 87.
Cole, Louis S., *et al.*, executors. (See Cole, James P.)
Cole Manufacturing Company. (See Cole, Elnathan, assignor.)
Cole, Martin, Detroit, Mich. Auto-rail-lubricator. No. 1,278,596; Sept. 10; v. 254; p. 367.
Cole, Marvin R., Stewartsville, N. J. Automobile-signal. No. 1,281,137; Oct. 8; v. 255; p. 307.
Cole, Millard J., Pottersdale, Pa. Stair-carpet fastener. No. 1,284,244; Nov. 12; v. 256; p. 240.
Cole, Noel S., Newbern, Tenn. Seed-saving attachment for mowers. No. 1,253,153; Jan. 8; v. 246; p. 531.
Cole, Otto B., assignor to Arion Manufacturing Company, Boston, Mass. Phonograph. No. 1,267,059; May 21; v. 250; p. 665.
Cole, Philip H., Shanghai, China, assignor to W. R. McCanne, trustee, Rochester, N. Y. Reinforced-concrete pole-base. No. 1,268,325; June 4; v. 251; p. 73.
Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Electrical cut-out. No. 1,273,151; July 23; v. 252; p. 758.
Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Cut-out. No. 1,275,391; Aug. 13; v. 253; p. 321.
Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Inclosed electric fuse. No. 1,277,044; Aug. 27; v. 253; p. 841.
Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Electric-fuse link. No. 1,277,045; Aug. 27; v. 253; p. 841.
Cole, Sherman L. (See Hunt and Cole.)
Cole, Stokes, Montreal, Quebec, Canada. Railway-appliance interlock. No. 1,254,121; Jan. 22; v. 246; p. 860.
Cole, William H., Waltham, Mass. System of electrical distribution. No. 1,276,331; Aug. 20; v. 253; p. 611.
Cole, William L., Mile End, London, England. Apparatus for applying coatings to bars, rods, pipes, &c. No. 1,263,858; Apr. 23; v. 249; p. 882.
Colegrove, Charles E., East Cleveland, assignor to The White Sewing Machine Company, Cleveland, Ohio. Drop-head mechanism for sewing-machines. No. 1,279,916; July 16; v. 252; p. 669.
Colegrove, William B., Detroit, Mich. Hot-air feed for furnaces. No. 1,254,777; Jan. 29; v. 246; p. 1079.
Coleman, Belle B., Washington, D. C. Figure toy. No. 1,285,047; Nov. 19; v. 256; p. 482.
Coleman, Benjamin G., and R. O. Morrison, Danville, Ill. Oil-separator. No. 1,284,245; Nov. 12; v. 256; p. 240.
Coleman, Benjamin R., and L. B. Taylor, Chicago, Ill. Window construction. No. 1,267,745; May 28; v. 250; p. 882.
Coleman, Benjamin R., and L. B. Taylor, Chicago, Ill. Window construction. No. 1,267,746; May 28; v. 250; p. 882.
Coleman, Charles F., Philadelphia, Pa. Desiccating apparatus. No. 1,286,538; Dec. 3; v. 257; p. 87.

Coleman, Clyde J., New York, N. Y. Screen. No. 1,258,192; Mar. 5; v. 248; p. 70.
Coleman, Clyde J., New York, N. Y. Moving-picture apparatus. No. 1,271,667; July 9; v. 252; p. 290.
Coleman, Clyde J., New York, N. Y. Colored moving picture. No. 1,271,668; July 9; v. 252; p. 290.
Coleman, Clyde J., New York, N. Y. Photographic film. No. 1,276,330; Aug. 20; v. 253; p. 611.
Coleman, Clyde J., New Rochelle, N. Y. Combined kinetoscopic and phonographic apparatus. No. 1,275,227; Aug. 13; v. 253; p. 275.
Coleman, Edward J., Scranton, Pa. Door operating and locking device. No. 1,282,193; Oct. 22; v. 255; p. 666.
Coleman, Frederick A., Gates Mills, Ohio. Flexible door. No. 1,262,643; Apr. 16; v. 249; p. 524.
Coleman, Frederick A., Cleveland Heights, assignor to The Foundry Equipment Company, Cleveland, Ohio. Drawer-operating mechanism. No. 1,274,141; July 30; v. 252; p. 1065.
Coleman, George D., deceased; N. S. Coleman, executrix, Revere, Mass. Paint-mixer. No. 1,279,515; Sept. 24; v. 254; p. 668.
Coleman, George L., Dublin, Ga. Variable-speed drive mechanism for cotton-gins. No. 1,259,081; Mar. 12; v. 248; p. 367.
Coleman, Hale S., Ashland, Wis. Mechanical toy. No. 1,262,017; Apr. 9; v. 249; p. 320.
Coleman, Jacob E., Clarksburg, W. Va. Gas-burner. No. 1,281,138; Oct. 8; v. 255; p. 308.
Coleman, James H., and W. W. Dunnell, Jr., Colorado Springs, Colo. Composition-light lamp. No. 1,266,554; May 21; v. 250; p. 523.
Coleman, James M., Montreal, Quebec, Canada. Center bearing pin. No. 1,255,135; Feb. 5; v. 247; p. 7.
Coleman, James M., and K. F. Nystrom, Montreal, Quebec, Canada. Draft-arm and underframe construction for cars. No. 1,279,989; Sept. 24; v. 254; p. 804.
Coleman, John A., Cleveland, Ohio. Electromagnetic regulator. No. 1,261,906; Apr. 9; v. 249; p. 289.
Coleman, John P., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Locking device. No. 1,279,272; Sept. 17; v. 254; p. 579.
Coleman, Nellie S., executrix. (See Coleman, George D.)
Coleman, Robert B. (See Vinton, Ira D., assignor.)
Coleman, Robert B., Los Angeles, Cal. Material-compressing machine. No. 1,260,514; Mar. 26; v. 248; p. 843.
Coleman, Robert F., assignor of one-half to G. Lyon, Philadelphia, Pa. Motor-governor. No. 1,263,378; Apr. 23; v. 249; p. 751.
Coleman, Stephen L. C., assignor of forty-nine one-hundredths to C. W. Whelpley, Fredericton, New Brunswick, Canada. Vehicle-brake. No. 1,288,517; Dec. 24; v. 257; p. 668.
Coleman, Stephen L. C., assignor of forty-nine one-hundredths to C. W. Whelpley, Fredericton, New Brunswick, Canada. Vehicle suspension. No. 1,289,398; Dec. 31; v. 257; p. 908.
Coleman, Thomas A., Vredenburgh, Ala. Piston-rod and support therefor. No. 1,283,675; Nov. 5; v. 256; p. 63.
Coleman, Thomas A., and P. Vredenburgh, Jr., Vredenburgh, Ala., assignors to J. G. McDonough, Eau Claire, Wis. Marking-machine. No. 1,287,887; Dec. 17; v. 257; p. 486.
Coleman, William W., Atkins, Ark. Receptacle. No. 1,265,177; May 7; v. 250; p. 85.
Coleman, Willis P., U. S. Army. Apparatus for use in instruction with small-arms. No. 1,273,034; July 16; v. 252; p. 701.
Coles, Frederick A., Miami, Fla. Auxiliary air-intake valve. No. 1,264,775; Apr. 30; v. 249; p. 1168.
Coles, Ralph J., Los Angeles, Cal. Three-wheel-drive tractor. No. 1,280,962; Oct. 8; v. 255; p. 259.
Coles, Walter H., Troy, Ohio. Irrigation apparatus. No. 1,259,211; Mar. 12; v. 248; p. 404.
Colgan, James W., *et al.* (See Scott, Jacob R., assignor.)
Coll, Leo F., Baltimore, Md. Window-cleaning seat. No. 1,259,960; Mar. 19; v. 248; p. 652.
Collamore, George W., Winchester, Mass. Telephone attachment. No. 1,261,705; Apr. [illegible]; v. 249; p. 202.
Collar, Floyd J., Alameda, Cal. Electric locking device. No. 1,253,788; Jan. 15; v. 246; p. 745.
Colle, Achilles, Doylestown, Pa. Marine vessel. No. 1,275,134; Aug. 6; v. 253; p. 223.
Collet, Mark W., Philadelphia, Pa. Shader for cameras. No. 1,254,579; Jan. 22; v. 246; p. 990.
Collette, Austin B., Everett, Mass. Pressure-gage. No. 1,264,274; Apr. 30; v. 249; p. 1031.
Collette, William, assignor of one-half to J. H. Clune Springfield, Mass. Automobile-signal. No. 1,257,189; Feb. 19; v. 247; p. 683.
Colley, Clayton D., Narrows, Va. Liner for transmission and brake bands. No. 1,274,686; Aug. 6; v. 253; p. 99.
Collier, Arthur T., St. Albans, England. Change-speed and reversing gear. No. 1,269,524; June 11; v. 251; p. 424.
Collier, David R., assignor to Collier-Keyworth Company, Gardner, Mass. Chair-iron. No. 1,287,640; Dec. 17; v. 257; p. 423.
Collier, Frederick W., assignor of one-third to Hamblin & Russell Mfg. Company, Worcester, Mass. Strainer. No. 1,286,235; Dec. 3; v. 257; p. 13.
Collier, Guy B., Kinderhook, N. Y. Gas-lighting apparatus. No. 1,262,753; Apr. 16; v. 249; p. 555.
Collier, Harley J., Deshler, Ohio. Traction and power attachment. No. 1,273,035; July 16; v. 252; p. 701.
Collier-Keyworth Company. (See Collier, David R., assignor.)
Collier, Virginia W., Bloomfield Hills, Mich. Portable dressing-cabinet. No. 1,288,518; Dec. 24; v. 257; p. 668.
Collier, William R., Austin, Tex. Piston-head. No. 1,261,770; Apr. 9; v. 249; p. 253.
Collier, William R., Austin, Tex. Hat-pin. No. 1,265,750; May 14; v. 250; p. 270.
Collignon, William C. P., assignor to Schiller Piano Company, Oregon, Ill. Tracking device for automatic musical instruments. No. 1,260,968; Mar. 26; v. 248; p. 971.
Collinge, E. R. (See Myers, Melvin A., assignor.)
Collingham, Robert H., Rugby, England, assignor to General Electric Company. Governor for prime movers. No. 1,262,454; Apr. 9; v. 249; p. 441.
Collings, Harry H., West End, Cowbridge, Wales. Means for attaching the side arms to spectacle-frames. No. 1,271,669; July 9; v. 252; p. 290.
Collings, Herbert L., assignor of one-half to T. J. Keahey, Ada, Okla., and one-fourth to J. Broughton, Fort Worth, Tex. Railway cattle-guard. No. 1,280,404; Oct. 1; v. 255; p. 80.
Collings, William A., Kansas City, Mo. Insert. No. 1,260,331; Mar. 26; v. 248; p. 789.
Collings, William A., Kansas City, Mo. Reinforcement for concrete columns. No. 1,274,687; Aug. 6; v. 253; p. 100.
Collings, William A., Kansas City, Mo. Tie or clip for concrete-reinforcement members. No. 1,278,437; Sept. 10; v. 254; p. 323.
Collins, Alfred J., Winterville, N. C. Tobacco-tier. No. 1,262,455; Apr. 9; v. 249; p. 441.
Collins, Arthur, Weybridge, England. Staircase for scenic effects. No. 1,273,333; July 23; v. 252; p. 805.
Collins, Arthur M., assignor of one-half to F. Burkholder, Troy, Ohio. Anticlogging device for mowers. No. 1,283,086; Oct. 29; v. 255; p. 938.
Collins, Bert J., Lenora, Okla. Front-wheel drive for motor-vehicles. No. 1,257,676; Feb. 26; v. 247; p. 861.
Collins, Charles H. (See Cooper and Collins.)
Collins, Dan, Baker, Oreg. Lineman's device. No. 1,275,392; Aug. 13; v. 253; p. 321.
Collins, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. No. 1,271,280; July 2; v. 252; p. 149.
Collins, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Furnace. No. 1,281,521; Oct. 15; v. 255; p. 445.
Collins, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Temperature-control apparatus. No. 1,287,236; Dec. 10; v. 257; p. 295.
Collins, Elbridge C., Detroit, Mich. Power-generating apparatus. No. 1,272,378; July 16; v. 252; p. 516.
Collins, Fonzo M. (See Webb and Collins.)
Collins, Frank M., assignor of one-half to J. W. Collins, Washington, D. C. Brick-joint raker. No. 1,262,018; Apr. 9; v. 249; p. 320.
Collins, Frank W., Manistee, Mich. Air and liquid supplying device. No. 1,272,379; July 16; v. 252; p. 517.
Collins, George R. (See Boylan, Gove S., assignor.)
Collins, George W., Holyoke, Mass. Hinged seat and cover. No. 1,264,612; Apr. 30; v. 249; p. 1126.
Collins, Henry H., assignor of one-half to H. D. Gump, Johnson City, Tenn. Railway-crossing construction. No. 1,256,982; Feb. 19; v. 247; p. 624.
Collins, Horace B., Oklahoma, Okla. Box, crate, and like construction. No. 1,256,202; Feb. 12; v. 247; p. 359.
Collins, James F., Providence, R. I. Treating decayed spots and cavities in living trees. No. 1,270,010; June 18; v. 251; p. 590.
Collins, James F., Providence, R. I. Filling composition. No. 1,282,009; Oct. 15; v. 255; p. 573.
Collins, James F., assignor of one-third to F. T. Aschman and fifty-one one-hundredths to W. F. Phillips, Pittsburgh, Pa. Nut-lock. No. 1,272,380; July 16; v. 252; p. 517.
Collins, John. (See Dement, Isaac S., assignor.)
Collins, John F., Philadelphia, Pa. Automobile starting device. No. 1,279,516; Sept. 24; v. 254; p. 669.
Collins, John W. B., assignor to L. E. Davis, Baltimore, Md. Carousel. No. 1,275,393; Aug. 13; v. 253; p. 321.
Collins, Joseph P., Goose Creek, Tex. Line-shaft oiler. No. 1,261,010; Apr. 2; v. 249; p. 6.
Collins, Joseph W. (See Collins, Frank M., assignor.)
Collins, Lee A., Louisville, Ky. Automatic telephone fire-alarm. No. 1,252,665; Jan. 8; v. 246; p. 388.
Collins, Michael H., Tiffin, Ohio. Jack. No. 1,276,176; Aug. 20; v. 253; p. 569.
Collins, Roy V., West Newton, Mass. Switch-operating mechanism. No. 1,254,122; Jan. 22; v. 246; p. 860.

Collins, Roy V., New York, N. Y. System for signals and motor control for electric roads. No. 1,261,772; Apr. 9; v. 249; p. 254.
Collins, Roy V., New York, N. Y. Apparatus and method for operating switches. No. 1,266,555; May 21; v. 250; p. 523.
Collins, Roy V., Newton, assignor to The West Newton Company, West Newton, Mass. Electric block-signal system. No. 1,286,946; Dec. 10; v. 257; p. 220.
Collins, Thomas E. (See Barry and Collins.)
Collins, Walter H., Summit, N. J. Chicken exerciser and feeder. No. 1,253,002; Jan. 8; v. 246; p. 486.
Collins, William P., Los Angeles, Cal. Tire-iron. No. 1,272,622; July 16; v. 252; p. 585.
Collins, William W., Bridgeport, Conn. Means for removing water of condensation from cylinders. No. 1,259,837; Mar. 19; v. 248; p. 614.
Collinson, John, Manchester, England, assignor to Westinghouse Electric and Manufacturing Company. Electrical resistance. No. 1,267,978; May 28; v. 250; p. 948.
Collis Co., The. (See Collis, Oliver D., assignor.)
Collis Company, The. (See Collis, George, assignor.)
Collis Company, The. (See Kerr, William, assignor.)
Collis, Florence M., executrix. (See Collis, George.)
Collis, Fred L., Iowa Falls, Iowa. Sweeper. No. 1,263,379; Apr. 23; v. 249; p. 751.
Collis, George, deceased; F. M. Collis, executrix, assignor to The Collis Company, Clinton, Iowa. Poultry-coop. No. 1,276,723; Aug. 27; v. 253; p. 758.
Collis, Oliver D., assignor to The Collis Co., Clinton, Iowa. Cement-reinforcement. No. 1,269,553; June 11; v. 251; p. 432.
Collison, John G., *et al.* (See Hunter, James B., assignor.)
Collison, John S., and W. A. Wright, Ord, Nebr. Wrench. No. 1,280,405; Oct. 1; v. 255; p. 81.
Colman, Emma W., Tenafly, N. J. Diaper-skirt. No. 1,260,873; Mar. 26; v. 248; p. 946.
Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Container for yarn-carriers. No. 1,255,858; Feb. 12; v. 247; p. 256.
Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Knotter. No. 1,255,859; Feb. 12; v. 247; p. 256.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Winding yarn. No. 1,258,986; Mar. 12; v. 248; p. 340.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Waste-winder. No. 1,262,644; Apr. 16; v. 249; p. 524.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Winder. No. 1,267,977; May 28; v. 250; p. 947.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Winder. No. 1,268,684; June 4; v. 251; p. 174.
Colman, Howard D., assignor to Barber-Colmon Company, Rockford, Ill. Winder. No. 1,274,386; Aug. 6; v. 253; p. 11.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Yarn-carrier support. No. 1,274,387; Aug. 6; v. 253; p. 11.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Creel. No. 1,275,850; Aug. 13; v. 253; p. 447.
Colnot, Eric A., Cincinnati, Ohio. Direction-indicator. No. 1,288,519; Dec. 24; v. 257; p. 668.
Colon, Warren, Boston, Mass. Velocipede. No. 1,286,539; Dec. 3; v. 257; p. 87.
Colorado Phonograph Company, The. (See Thimgan, Herman, assignor.)
Colpitts, Edwin H., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wireless telegraphy and telephony. No. 1,256,983; Feb. 19; v. 247; p. 624.
Colson, Henry H., Chicago, Ill. Pump. No. 1,253,003; Jan. 8; v. 246; p. 487.
Colt, Samuel S., Orange, N. J. Producing building units. No. 1,262,308; Apr. 9; v. 249; p. 400.
Colt, Samuel S., Orange, N. J. Scaffold-bracket. No. 1,285,946; Nov. 26; v. 256; p. 748.
Coltrin, John C., Lucas, Kans. Radiator. No. 1,271,135; July 2; v. 252; p. 107.
Colts' Patent Fire Arms Manufacturing Company. (See Chadwick and Tansley, assignors.)
Columbia Axle Company, The. (See Fries, Robert E., assignor.)
Columbia Chemical Company. (See Galt, Hugh A., assignor.)
Columbia Conditioning Company. (See Heidler, Ernst, assignor.)
Columbia Envelope Co. (See Henderson, John, assignor.)
Columbia Fastener Company. (See Simek, Frank, assignor.)
Columbia Graphophone Manufacturing Company. (See Beadle, George W., assignor.)
Columbia Manufacturing Company, The. (See Crowe, John M., assignor.)
Columbia River Shipbuilding Corporation. (See Spillane, John J., assignor.)
Columbian Bronze Corporation. (See Patrick, Robert A., assignor.)
Columbian Enameling & Stamping Company. (See Cooke, Raymond D., assignor.)
Columbian Rope Company. (See Everett, Frederick M., assignor.)
Columbus Heating & Ventilating Company, The. (See Spencer, Raymond M., assignor.)
Columbus Steel Products Company, The. (See Simpson, Robert D., assignor.)
Colvin, Lawrence L., Louisville, Ky. Automobile-shield. No. 1,251,865; Jan. 1; v. 246; p. 128.
Colvin, Wert D., and C. D. Bartholomew, Beardstown, Ill. Air-supply heater for carbureters. No. 1,281,139; Oct. 8; v. 255; p. 308.
Colwell, Alvah J., Norfolk, Nebr. Automatic draft-releasing device for tractors. No. 1,262,456; Apr. 9; v. 249; p. 441.
Colwell, Alvah J., Norfolk, Nebr. Automatic safety drawbar for farm-tractors. No. 1,280,666; Oct. 8; v. 255; p. 179.
Combes, Vernon M., Cleveland, Ohio. Tobacco-bag. No. 1,282,761; Oct. 29; v. 255; p. 848.
Combination Auto Lock Company. (See Balthasar, Harry G., assignor.)
Combination Police Club and Extension Pistol Barrel Corporation. (See Moor, Edward N., assignor.)
Combouzou, William R., Baton Rouge, La. Hedge-trimmer. No. 1,265,178; May 7; v. 250; p. 85.
Combs, Asa Z., Victoria, Tex. Combined hoe and planter. No. 1,282,194; Oct. 22; v. 255; p. 667.
Combs, James R., New York, N. Y. Change-making machine. No. 1,272,224; July 9; v. 252; p. 445.
Combs, James R., New York, N. Y. Salary-computer. No. 1,272,225; July 9; v. 252; p. 446.
Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
Combustion Improvement Company. (See Brown, Gideon P., assignor.)
Comegys, Presley E., Chicago, Ill. Making sausage-casings. No. 1,260,755; Mar. 26; v. 248; p. 915.
Comer, John W., Chickasha, Okla. Protective shoe for pneumatic tires. No. 1,253,154; Jan. 8; v. 246; p. 531.
Comerma, John, assignor to J. C. Forster, New York, N. Y. Tile-arch construction. No. 1,267,747; May 28; v. 250; p. 882.
Comet, Pierre, and F. Coulon, Bagnères-de-Bigorre, France. Movable endless grate having removable members. No. 1,258,535; Mar. 5; v. 248; p. 171.
Comfort, David, Thomasville, Va. Truck for transporting heavy flower-pots. No. 1,254,778; Jan. 29; v. 246; p. 1079.
Comfort, Edward W. (See Thompson and Comfort.)
Comfort, Michael, Southington, Conn. Lawn-mower. No. 1,275,851; Aug. 13; v. 253; p. 447.
Comins, Frank B., Newton, Mass., assignor to American Moistening Company. Atomizer. No. 1,251,753; Jan. 1; v. 246; p. 94.
Commercial Camera Company. (See Greene, John S., assignor.)
Commercial Machine Company. (See Ames, Arthur N., assignor.)
Commercial Research Company, The. (See Allison, Harvey, assignor.)
Commercial Truck Company of America. (See Melia, Martin, assignor.)
Commercial Truck Company of America. (See Whitney and Edwards, assignors.)
Commercial Truck Company of America. (See Whitney and Melia, assignors.)
Commercial Wireless & Development Co. (See Pridham, Edwin S., assignor.)
Commercial Wireless & Development Co. (See Pridham and Jensen, assignors.)
Common-Sense Mfg. Company. (See Paul, William C., assignor.)
Common Sense Pile Protector Company. (See Reynolds, Alva L., assignor.)
Commonwealth Steel Company. (See Frede, Charles F., assignor.)
Commonwealth Steel Company. (See Pflager, Harry M., assignor.)
Commonwealth Steel Company. (See Rogers and Harlow, assignors.)
Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
Compagnie Des Forges Et Acieries De La Marine Et D'Homecourt. (See Rimailho, Emile, assignor.)
Compagnie Generale D'Electricite. (See Dupuy, René J., assignor.)
Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe. (See Ivatts, Ernest A., assignor.)
Compana, Domenic M., Chicago, Ill. China-kiln attachment. No. 1,275,383; Aug. 13; v. 253; p. 318.
Companhia Grelhas Economicas Brasil. (See Brazil, Antonio C., assignor.)
Company of Peter Spence & Sons Limited. (See Spence and Wrigley, assignors.)
Compo-Tile Fireproofing Company. (See Schweimler and Poulalion, assignors.)
Compton, John D., Minneapolis, Minn. Valve-lock. No. 1,287,641; Dec. 17; v. 257; p. 424.

Computing Scale Company, The. (See Hopkinson, Joseph, assignor.)
Computing Scale Company, The. (See Hopkinson and Maltby, assignors.)
Computing Scale Company, The. (See Hopkinson and Thomas, assignors.)
Computing Scale Company, The. (See Schantz, Edwin M., assignor.)
Comrie, Alexander, New York, N. Y. Grab-hook for lifting metal plates, &c. No. 1,279,274; Sept. 17; v. 254; p. 579.
Comstock, Allen L., Boston, Mass., assignor to American Rubber Company. Process and apparatus for vulcanizing rubber goods. No. 1,289,043; Dec. 24; v. 257; p. 795.
Comstock, Clark S., Sr., East Orange, N. J. Buckle or the like. No. 1,273,460; July 23; v. 252; p. 840.
Comstock, Clark S., Sr., East Orange, N. J. Garment-slide. No. 1,277,548; Sept. 3; v. 254; p. 59.
Comstock, Daniel F., Brookline, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Cinematography. No. 1,252,321; Jan. 1; v. 246; p. 253.
Comstock, Daniel F., Brookline, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Method of and apparatus for neutralizing distortions of optical projections. No. 1,272,623; July 16; v. 252; p. 585.
Comstock, Daniel F., Brookline, assignor to Kalmus, Comstock & Wescott, Boston, Mass. Controlling and apparatus for producing ionic discharges. No. 1,279,990; Sept. 24; v. 254; p. 804.
Comstock, Daniel F., Brookline, assignor to Kalmus, Comstock & Westcott, Boston, Mass. Production of complemental images. No. 1,280,667; Oct. 8; v. 255; p. 179.
Comstock, Daniel F., Brookline, assignor to Kalmus, Comstock & Westcott, Boston, Mass. Color-printing. No. 1,283,087; Oct. 29; v. 255; p. 939.
Comstock, Daniel F., Brookline, and O. E. Conklin, assignors to Kalmus, Comstock & Westcott Inc., Boston, Mass. Apparatus for neutralizing certain distortion of optical projections. No. 1,283,676; Nov. 5; v. 256; p. 63.
Comstock, Joseph. (See Phelps, Kirk, and Comstock.)
Comstock, Merrill H., Upland, Cal. Tree-protector. No. 1,282,677; Oct. 22; v. 255; p. 798.
Conama, William, and C. A. Vaughan, Rochester, Minn.; said Vaughan assignor to said Conama. Rack and safe for racking and safe-keeping of billiard-balls. No. 1,284,600; Nov. 12; v. 256; p. 330.
Conant, Leon B., Boston, Mass. Fire-extinguishing apparatus. No. 1,265,614; May 7; v. 250; p. 201.
Conard, Abraham N., assignor of fifty-one one-hundredths to O. M. Neilson, G. E. Rystrom, E. G. Hoppes, J. Schwager, D. I. Schults, A. E. Hokanson, A. Ostercamp, F. P. Lindberg, C. W. Evans, and G. T. Peterson, Dundurn, Saskatchewan, Canada. Grain-shocker. No. 1,289,669; Dec. 31; v. 257; p. 973.
Conard, William R., Burlington, N. J. Combination plug and cap. No. 1,264,367; Apr. 30; v. 249; p. 1056.
Conces, Vincent J., Sr., and V. J., Jr., East Chicago, Ind. Sled-runner. No. 1,267,186; May 21; v. 250; p. 702.
Concha, Francisco, Cuzco, Peru. Necktie-holder. No. 1,288,520; Dec. 24; v. 257; p. 668.
Concrete Steel Company. (See Brooks, David W., assignor.)
Condensite Company of America. (See Aylsworth, Jonas W., assignor.) (Reissue.)
Condensite Company of America. (See Brown and Kendall, assignors.)
Condiment Holder Company. (See Gibbons, Michael J., assignor.)
Condit, Margaret C. (See Stubblefield, Bernard B., assignor.)
Condit, Sears B., Jr. (See Burnham, George A., assignor.)
Condit, Sears B., Jr. (See Kelle, Arthur C., assignor.)
Condit, Sears B., Jr. (See Noyes, Bernice J., assignor.)
Condley, James B., and J. G. Smith, Fresno, Cal. Finger attachment. No. 1,261,706; Apr. 2; v. 249; p. 202.
Condon-Autostop Company. (See Condon, Edward T., Jr., assignor.)
Condon, Edward T., Jr., New York, N. Y., assignor to Condon-Autostop Company. Automatic brake mechanism. No. 1,267,378; May 28; v. 250; p. 780.
Condon, Thomas R., and T. Schurman, Summerside, Prince Edward, Canada. Shingle-gage. No. 1,254,986; Jan. 29; v. 246; p. 1140.
Condurso, Antonino, New York, N. Y. Life-saving device. No. 1,264,275; Apr. 30; v. 249; p. 1031.
Cone, Frank L., Windsor Vt. Automatic screw-machine. No. 1,271,540; July 9; v. 252; p. 253.
Cone, Robert H., Jr., St. Louis, Mo. Tone-arm for phonographs. No. 1,264,017; Apr. 23; v. 249; p. 927.
Coneeny, John T., and W. Young, Somerville, Mass. Buster-bar. No. 1,266,215; May 14; v. 250; p. 401.
Conelly, Arthur H., and T. Schell, assignors to Macomb Sheet Metal Works, Macomb, Ill. Hog-oiler and the like. No. 1,289,670; Dec. 31; v. 257; p. 974.
Conger, Charles W., The Dalles, Oreg. Electric lantern. No. 1,277,549; Sept. 3; v. 254; p. 59.
Congoleum Company, The. (See Howson, Henry, assignor.)
Congoleum Company, The. (See Jackson, Ralph G., assignor.)
Congoleum Company, The. (See Prifold, George, assignor.)
Conill, Enrique J. (See Rogers, Clarence T., assignor.)
Conill, Fernan, Port Jefferson, N. Y. Automatic gun-firing device. No. 1,288,386; Dec. 17; v. 257; p. 607.
Conklin, Bruce, London, England. Rotary engine, pump, compressor, and the like. No. 1,270,498; June 25; v. 251; p. 750.
Conklin, Bruce, Westminster, England. Rotary engine. No. 1,280,668; Oct. 8; v. 255; p. 179.
Conklin, Bruce, London, England. Rotary engine. No. 1,287,642; Dec. 17; v. 257; p. 424.
Conklin, Charles D., Judson, Minn. Incubator-frame. No. 1,270,700; June 25; v. 251; p. 803.
Conklin, Oliver E. (See Comstock and Conklin.)
Conklin Pen Manufacturing Company, The. (See Mooney, Frank H., assignor.)
Conkling, C. W. (See Nelson, Willoughby C., assignor.)
Conkling, Richard A., and W. R. Guiberson, Tulsa, Okla. Drill. No. 1,281,140; Oct. 8; v. 255; p. 308.
Conkling, Samuel G., Brooklyn, N. Y. Shock-absorber. No. 1,255,513; Feb. 5; v. 247; p. 115.
Conkling, Samuel G., Saugerties, assignor of one-half to L. Schaffert, Brooklyn, N. Y. Train safety device. No. 1,265,615; May 7; v. 250; p. 202.
Conlan, David, Jr., New York, N. Y. Electric fixture. No. 1,252,403; Jan. 8; v. 246; p. 311.
Conlan, George A., assignor of one-half to A. C. Thompson, Toronto, Ontario, Canada. Mattress. No. 1,272,381; July 16; v. 252; p. 518.
Conley Camera Company. (See Brandstetter, Josef, assignor.)
Conley, Frederick T., Boston, Mass. Attachment for tea and coffee pots. No. 1,274,142; July 30; v. 252; p. 1066.
Conley, George R., *et al.* (See Fitzgerald, Michael, assignor.)
Conley, George W., Wheaton, Ill. Belt-buckle. No. 1,268,326; June 4; v. 251; p. 73.
Conley, George W., Wheaton, Ill. Smoker's stand. No. 1,278,597; Sept. 10; v. 254; p. 367.
Conley, George W., Wheaton, Ill. Smoking-pipe. No. 1,284,601; Nov. 12; v. 256; p. 330.
Conley, James H., *et al.* (See Fitgerald, Michael, assignor.)
Conley, Joseph, Anadarko, Okla. Army kitchen. No. 1,272,382; July 16; v. 252; p. 518.
Conley, Joseph, Anadarko, Okla. Incinerator. No. 1,272,383; July 16; v. 252; p. 518.
Conlon Electric Washer Company. (See Wassell, Clifford R., assignor.)
Conlon, Hugh P., Cork, Ireland. Disinfecting apparatus applicable to manholes. No. 1,282,542; Oct. 22; v. 255; p. 761.
Conlon, Walter J., Chicago, Ill. Electric wash-machine. No. 1,254,638; Jan. 22; v. 246; p. 1007.
Conn, Byron O. (See Root, Charles F., assignor.)
Conn, David G. (See Conn, Henry P. and D. G.)
Conn, Harry, Kylemore, Saskatchewan, Canada. Wagon attachment. No. 1,262,309; Apr. 9; v. 249; p. 400.
Conn, Henry P. and D. G., Roseburg, Oreg. Two-cycle explosion-engine. No. 1,273,826; July 30; v. 252; p. 976.
Connecticut Aircraft Company. (See Smith, Rexford M., assignor.)
Connecticut Aircraft Company. (See Smyth, Charles F., assignor.)
Connecticut Electric Manufacturing Company, The. (See Haynes and Both, assignors.)
Connecticut Electric Manufacturing Company, The. (See Throop, William D., assignor.)
Connecticut Electric Mfg. Co., The. (See Both, Trumbull, and Schoenberg, assignors.)
Connecticut Electric Mfg. Co., The. (See Schoenberg, Ralph A., assignor.)
Connecticut Telephone & Electric Company, The. (See Abend, Louis, assignor.)
Connecticut Telephone & Electric Company. (See Cavanagh, John F., assignor.)
Connecticut Telephone & Electric Company. (See Johnson, Joseph E., assignor.)
Connecticut Telephone & Electric Company. (See Lawton, Burton L., assignor.)
Connell, Andrew J., College Point, N. Y., assignor to Empire Art Metal Co., Inc. Metallic conduit for electrical conductors. No. 1,277,550; Sept. 3; v. 254; p. 60.
Connell, Andrew J., and C. A. Johnson, College Point, N. Y., assignors to Empire Art Metal Co. Door and like metallic structure. No. 1,287,888; Dec. 17; v. 257; p. 486.
Connell, Richard T. (See Stumpf, Frank J., assignor.)
Connell, Thomas, Iowa City, Iowa. Damper-regulator. No. 1,257,190; Feb. 19; v. 247; p. 683.
Connell, Thomas, Iowa City, Iowa. Damper-regulator. No. 1,274,511; Aug. 6; v. 253; p. 49.
Connelly, John S., Port Arthur, Tex. Automatic fuel-changing valve. No. 1,260,756; Mar. 26; v. 248; p. 915.
Connelly, Lawrence E., Cleveland, Ohio. Steam-generator. No. 1,266,664; May 21; v. 250; p. 555.

Alphabetical list of patentees—Continued.

Connely, Charles B., Scotia, N. Y. Chemical fire-extinguishing apparatus. No. 1,280,168; Oct. 1; v. 255; p. 14.
Conner, Clifford R., assignor of one-half to C. A. Steinbeck, Kansas City, Mo. Clamping device. No. 1,258,536; Mar. 5; v. 248; p. 171.
Conner, George F., Port Huron, Mich. Wire-fence machine. No. 1,261,773; Apr. 9; v. 249; p. 254.
Conner, Harrison W., Boston, Mass. Wind-shield for automobiles. No. 1,285,626; Nov. 26; v. 256; p. 668.
Conner, Julian P., Como, Miss. Toy pistol or gun. No. 1,263,859; Apr. 23; v. 249; p. 883.
Conner, Robert E., Atlanta, Ga. Package-tie. No. 1,255,986; Feb. 12; v. 247; p. 294.
Conners, Bert. (See King and Conners.)
Conners, Frederick, Dover, Idaho. Combination-tool. No. 1,259,082; Mar. 12; v. 248; p. 368.
Conniff, William E., assignor of one-half to E. J. Cutting, Kansas City, Mo. Reinforced-plaster body. No. 1,268,929; June 11; v. 251; p. 261.
Connolly, Charles M. (See Kennedy and Connolly.)
Connolly, James E., Baltimore, Md. Bottle-stopper. No. 1,287,237; Dec. 10; v. 257; p. 295.
Connolly, Joseph B. (See Connolly, Thomas A. and J. B.)
Connolly, Patrick J., Jersey City, N. J., assignor to A. Kimball Company, New York, N. Y. Marking-ticket. No. 1,259,723; Mar. 19; v. 248; p. 580.
Connolly, Thomas A. and J. B., Washington, D. C. Internal-combustion engine. No. 1,253,004; Jan. 8; v. 246; p. 487.
Connolly, Thomas A. and J. B., Washington, D. C. Internal-combustion engine and operating the same. No. 1,283,399; Oct. 29; v. 255; p. 1021.
Connor, Charles, Redfield, S. D. Brick-conveyer. No. 1,254,204; Jan. 22; v. 246; p. 883.
Connor, George W., Anderson, S. C. Rotary pump. No. 1,283,089; Oct. 29; v. 255; p. 939.
Connor, George W., Bearwallow, assignor of one-half to D. C. Pace, Hendersonville, N. C. Rotary turbine-engine. No. 1,283,088; Oct. 29; 29; v. 255; p. 939.
Connor, Herschel M., and D. D. Miles, San Francisco, Cal. Automatic circuit-breaker for coin-controlled telephone systems. No. 1,262,645; Apr. 16; v. 249; p. 524.
Connor, Herschel M., and D. D. Miles, assignors to Safety-graph Educational Film Company, Inc., San Francisco, Cal. Film-feeding mechanism. No. 1,277,195; Aug. 27; v. 253; p. 884.
Connor, Herschel M., and D. D. Miles, assignors to W. B. Rucker, San Francisco, Cal. Automatic valve for fuel-feed systems. No. 1,284,877; Nov. 12; v. 256; p. 401.
Connor, James H., Sharpsburg, Pa. Manufacturing fertilizer. No. 1,283,677; Nov. 5; v. 256; p. 63.
Connor, James H., Pittsburgh, Pa. Making artificial fertilizer, &c. No. 1,283,678; Nov. 5; v. 256; p. 63.
Connor, John G., Byers, Kans. Chicken-house and brooder. No. 1,272,226; July 9; v. 252; p. 446.
Connor, Lawrance S., Bowman, S. C. Combined cultivator and fertilizer-distributer. No. 1,260,332; Mar. 26; v. 248; p. 789.
Connor, Maurice N., assignor to F. W. Carter, Buffalo, N. Y. Fire-extinguishing apparatus. No. 1,272,012; July 9; v. 252; p. 387.
Connor, Maurice N., assignor to F. W. Carter, Buffalo, N. Y. Fire-extinguishing apparatus. No. 1,287,238; Dec. 10; v. 257; p. 295.
Connors, George F., Leadville, Colo. Razor. No. 1,259,724; Mar. 19; v. 248; p. 580.
Conord, Eugene L., Elizabeth, N. J. Collapsible tool. No. 1,259,603; Mar. 19; v. 248; p. 547.
Conover, Claude A., Newburgh, N. Y. Pencil-sharpener. No. 1,270,119; June 18; v. 251; p. 613.
Conover, Courtney. (See Gibbs and Conover.)
Conover, James F., Chicago, Ill. Grand piano. No. 1,284,602; Nov. 12; v. 256; p. 330.
Conover, Wilbur. (See Stare, Welling, and Conover.)
Conrad, Arthur L. (See Cota and Conrad.)
Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulator and cut-out. No. 1,260,647; Mar. 26; v. 248; p. 883.
Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor-arc rectifier. No. 1,264,276; Apr. 30; v. 249; p. 1031.
Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Priming device for internal-combustion engines. No. 1,271,670; July 9; v. 252; p. 290.
Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor electric apparatus. No. 1,285,947; Nov. 26; v. 256; p. 749.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical system. No. 1,260,648; Mar. 26; v. 248; p. 884.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulator and cut-out. No. 1,260,649; Mar. 26; v. 248; p. 884.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting system for automobiles. No. 1,274,992; Aug. 6; v. 253; p. 185.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ignition mechanism. No. 1,277,388; Sept. 3; v. 254; p. 16.
Conrad, Frank A., Milwaukee, Wis. Hot-air furnace. No. 1,256,775; Feb. 19; v. 247; p. 562.
Conrad, George H., Helena, Mont. Lubricating system. No. 1,262,457; Apr. 9; v. 249; p. 442.
Conrad, George H., Johnson City, N. Y. Advertising device. No. 1,263,210; Apr. 16; v. 249; p. 686.
Conrad, George H., Binghamton, N. Y. Advertising device. No. 1,263,211; Apr. 16; v. 249; p. 686.
Conrad, John F. and J. Walker, Nettleton, Pa. Coal-mining machine. No. 1,257,582; Feb. 26; v. 247; p. 834.
Conrad, Leonard, Pasadena, Cal. Adjustable cradle. No. 1,268,327; June 4; v. 251; p. 73.
Conrad, Mark, Adrian, Mich., and W. G. Kelly, Winslow, Ariz. Automatic train-stopping mechanism. No. 1,286,540; Dec. 3; v. 257; p. 88.
Conrad, Miller E., Atlantic, Iowa, assignor to C. B. Schoenmehl, Waterbury, Conn. Voltaic cell. No. 1,262,019; Apr. 9; v. 249; p. 320.
Conrad, Miller E., Atlantic, Iowa, assignor to C. B. Schoenmehl, Waterbury, Conn. Voltaic cell. No. 1,262,020; Apr. 9; v. 249; p. 320.
Conrad, Nicholas J., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Lightning-arrester. No. 1,251,754; Jan. 1; v. 246; p. 94.
Conrad, Nicholas J., assignor to Schweitzer & Conrad, Chicago, Ill. Cut-out for electric circuits. No. 1,254,886; Jan. 29; v. 246; p. 1113.
Conrad, Paul A. R., assignor to Life Saving Devices Company, Chicago, Ill. Respirating appliance. No. 1,266,410; May 14; v. 250; p. 452.
Conrad, Samuel B., and R. C. Miner, Sabetha, Kans. Oil-can holder. No. 1,288,839; Dec. 24; v. 257; p. 745.
Conrader, Rudolph, Erie, Pa. Governor. No. 1,272,384; July 16; v. 252; p. 518.
Conradi, Edward W., Seattle, Wash. Blank-feeding mechanism. No. 1,278,438; Sept. 10; v. 254; p. 323.
Conradson, Conrad M., Madison, Wis. Hydraulic variable-speed transmission. No. 1,256,501; Feb. 12; v. 247; p. 447.
Conran, William F., Brooklyn, N. Y. Stand-pipe system. No. 1,253,005; Jan. 8; v. 246; p. 487.
Conran, William F., Brooklyn, N. Y. Fitting for stand-pipe systems. No. 1,269,908; June 18; v. 251; p. 564.
Conran, William F., Brooklyn, N. Y. Fitting for stand-pipe systems. No. 1,275,532; Aug. 13; v. 253; p. 358.
Conran, William F., Brooklyn, N. Y. Flushing apparatus for water-closets. No. 1,288,387; Dec. 17; v. 257; p. 607.
Conro, James N., *et al.* (See Cameron, Duncan, assignor.)
Conroy, Elizabeth D., Memphis, Tenn. Extensible shelf. No. 1,262,021; Apr. 9; v. 249; p. 320.
Conroy, John D., Chokio, Minn. Wheel-scraper. No. 1,253,155; Jan. 8; v. 246; p. 532.
Consolidated Car Heating Company. (See Farmer, Thomas, Jr., assignor.)
Consolidated Car-Heating Company. (See Farmer and Jansen, assignors.)
Consolidated Car-Heating Company. (See McElroy, James F., assignor.)
Consolidated Fireworks Company of America. (See Ziegler, Louis, assignor.)
Consolidated Liquid Gas Company. (See Peterson, Franklin P., assignor.)
Consolidated Liquid Gas Company. (See Snelling, Walter O., assignor.)
Consolidated Mining & Smelting Company of Canada, The. (See Hamilton, Edward H., assignor.)
Consolidated Press Company. (See Patrick, Isaac, assignor.)
Consolidated Railway Electric Lighting and Equipment Co. (See Kennedy, Patrick, assignor.)
Constable, John P., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph or talking-machine. No. 1,265,179; May 7; v. 250; p. 86.
Constable, John P., assignor to New Jersey Patent Company, West Orange, N. J. Ratchet device. No. 1,283,470; Nov. 5; v. 256; p. 8.
Constantine, Henry A., Niagara Falls, N. Y. Wet-machine. No. 1,275,394; Aug. 13; v. 253; p. 321.
Constantinesco, George, Alperton, England. Pump. No. 1,278,439; Sept. 10; v. 254; p. 324.
Conte, Antonio, Syracuse, N. Y. Shoe. No. 1,251,966; Jan. 1; v. 246; p. 154.
Conter, Jacob M., Sinsinawa, Wis. Foot-operated door-opener. No. 1,282,047; Oct. 22; v. 255; p. 625.
Continental Brass & Foundries Company. (See Messmer, Joseph, assignor.)
Continental Can Company. (See Norton, Edwin K., assignor.)
Continental Can Company. (See Stark and Knuts, assignors.)
Continental Can Company. (See Taliaferro, John C., assignor.)
Continental Can Company. (See Walsh, Harry C. H., assignor.)
Continental Can Company. (See Warme and Fluck, assignors.)
Continental Can Company. (See Warme and Taliaferro, assignors.)
Continental Lens Company, The. (See Quimby, Clarence E., asignor.)

Continental Motors Corporation. (See Frederick, Walter A., assignor.)
Continental Motors Corporation. (See Hopkins, Henry, assignor.)
Continental Motors Corporation. (See Walker, Glenn J., assignor.)
Continental Motors Corporation. (See Weinhardt, Robert A., assignor.)
Converse, Atherton D., Winchendon, Mass. Child's vehicle. No. 1,269,260; June 11; v. 251; p. 354.
Converse, Francis B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Collapsible tire-making core. No. 1,264,613; Apr. 30; v. 249; p. 1126.
Converse, Francis B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Machine and method for applying rubber treads to pneumatic tires. No. 1,270,380; June 25; v. 251; p. 716.
Converse, Francis B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Collapsible core. No. 1,281,522; Oct. 15; v. 255; p. 446.
Converse, Frederick S., Westwood, Mass. Sleeping garment or bag. No. 1,254,124; Jan. 22; v. 246; p. 861.
Converse Rubber Shoe Company. (See Bullock, Hugh, assignor.)
Convertible Automobile Body Corporation. (See Lewkowicz, Ladis, assignor.)
Convex Incandescent Mantle Company Limited, The. (See Hersey, Maxim H., assignor.)
Conway, James S., Janesville, Minn. Automatic funnel. No. 1,286,236; Dec. 3; v. 257; p. 13.
Conway, John J., assignor to The Acme Shear Company, Bridgeport, Conn. Pivot for scissors and shears. No. 1,272,385; July 16; v. 252; p. 519.
Conway, Julian C., Rogerstown, Tex. Automatic stacker and unloading barge. No. 1,270,120; June 18; v. 251; p. 618.
Conway, Patrick P., *et al.* (See Stadel, John M., assignor.)
Conway, Peter P., *et al.* (See Stadel, John M., assignor.)
Conway, Robert E., *et al.* (See Seeger, August C., assignor.)
Conway, Roy D., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. No. 1,265,751; May 14; v. 250; p. 271.
Conway, Roy D., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,272,624; July 16; v. 252; p. 585.
Conwell, Laura E. (See Conwell, Myers C., assignor.)
Conwell, Myers C., assignor to L. E. Conwell, Larchmont, N. Y. Antifreezing attachment for explosive-engine-cooling systems. No. 1,253,789; Jan. 15; v. 246; p. 745.
Conwell, Ralph, Big Piney, Wyo. Cork-extractor. No. 1,274,008; July 30; v. 252; p. 1027.
Conwell, Walter L., Montclair, N. J., assignor to Ellcon Company, New York, N. Y. Slidable metallic door. No. 1,270,011; June 18; v. 251; p. 590.
Conwell, Walter L., Montclair, N. J., assignor to Ellcon Company, New York, N. Y. Metallic door. No. 1,270,012; June 18; v. 251; p. 591.
Conwell, Walter L., Montclair, N. J., assignor to Ellcon Company, New York, N. Y. Sectional cast-metal door with interchangeable parts. No. 1,270,013; June 18; v. 251; p. 591.
Conwell, Walter L., Montclair, N. J., assignor to Ellcon Company, New York, N. Y. Metallic door with interlocking parts. No. 1,270,014; June 18; v. 251; p. 592.
Coogan, Jesse C., Milwaukee, Wis. Heating system. No. 1,275,852; Aug. 13; v. 253; p. 447.
Cook, Adniram J., Westerlo, N. Y. Pipe-joint. No. 1,267,313; May 21; v. 250; p. 733.
Cook, Albert. (See Whitehouse and Cook.)
Cook, Alvin B., Castile, N. Y., Compression-spray. No. 1,258,193; Mar. 5; v. 248; p. 71.
Cook, Arthur B., Baton Rouge, La. Folding bed. No. 1,257,813; Feb. 26; v. 247; p. 902.
Cook, Charles F., assignor of one-half to J. E. Walton, Houston, Tex. Stove. No. 1,255,295; Feb. 5; v. 247; p. 51.
Cook, Charles S., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,271,438; July 2; v. 252; p. 191.
Cook, Charles S., Pittsburgh, and H. H. Rudd, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Transformer heat-regulating system. No. 1,254,002; Jan. 15; v. 246; p. 804.
Cook, Charles T., Pittsburg, Tex. Combined clock-speed regulator and recorder. No. 1,264,277; Apr. 30; v. 249; p. 1031.
Cook, Charley C., Erin, Tenn. Casket. No. 1,261,707; Apr. 2; v. 249; p. 202.
Cook, Clarence C. (See Scott and Cook.)
Cook, Claude H., Youngstown, Ohio., assignor of one-fourth to S. D. L. Jackson and one-fourth to J. W. Fawcett. Fuel-vaporizer. No. 1,276,332; Aug. 20; v. 253; p. 611.
Cook, Clifton M., New York, N. Y. Flagpole-holder. No. 1,286,541; Dec. 3; v. 257; p. 88.
Cook, Don S., and J. P. Fink, North Eaton, Ohio. Adjustable gas-engine muffler attachment. No. 1,287,239; Dec. 10; v. 257; p. 295.
Cook, Dwight C., Philadelphia, Pa. Direction-indicator for automobiles. No. 1,269,261; June 11; v. 251; p. 355.
Cook, Earl G., Pincher Station, Alberta, Canada. Shocker. No. 1,264,368; Apr. 30; v. 249; p. 1057.
Cook, Earl L., *et al.* (See Anderson, Charles A., assignor.)
Cook, Edward, Republic, Wash. Automobile-headlight. No. 1,286,170; Nov. 26; v. 256; p. 803.
Cook, Edward G., Long Island City, N. Y., assignor by mesne assignments, to Copper Products Company. Process and apparatus for electrodeposition under compression. No. 1,271,136; July 2; v. 252; p. 107.
Cook, Edward M., Oberlin, Ohio. Display-cabinet for merchandise. No. 1,282,048; Oct. 22; v. 255; p. 626.
Cook, Edward O., Winchendon, Mass. Jews'-harp. No. 1,266,556; May 21; v. 250; p. 523.
Cook, Emma M. (See Cook, Henry E. and E. M.)
Cook, Erben, Brooklyn, N. Y., assignor to Bayonne Steel Casting Company, Bayonne, N. J. Anchor. No. 1,253,006; Jan. 8; v. 246; p. 487.
Cook, Ernest H., Painesville, assignor of one-half to A. L. Lawrence, Cleveland, Ohio. Brush-cleaning device. No. 1,285,948; Nov. 26; v. 256; p. 749.
Cook, Ernest W., *et al.* (See Gothner, John, assignor.)
Cook, Eugene. (See Bowers, Ernest C., assignor.)
Cook, Frank B., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Nutcracker. No. 1,274,856; Aug. 6; v. 253; p. 147.
Cook, Frankford M., Campbell, Nebr. Sheet-music holder. No. 1,261,362; Apr. 2; v. 249; p. 106.
Cook, Fred A., Longview, Ill. Hinge. No. 1,270,499; June 25; v. 251; p. 750.
Cook, Frederick B., *et al.* (See Smith, Elta C., assignor.)
Cook, George, Brooklyn, N. Y. Gear-shifting device. No. 1,277,867; Sept. 3; v. 254; p. 148.
Cook, George R., assignor of one-half to J. B. F. Dial, Carrollton, Ga. Road scraping, grading, and ditching machine. No. 1,265,702; May 7; v. 250; p. 225.
Cook, Guy M., Golconda, Nev. Airship. No. 1,273,827; July 30; v. 252; p. 976.
Cook, Henry E., assignor to E. M. Cook, Baltimore, Md. Harness attachment. No. 1,274,143; July 30; v. 252; p. 1066.
Cook, Henry W., Syracuse, N. Y. Legging. No. 1,272,386; July 16; v. 252; p. 519.
Cook, Howard D., Lorain, Ohio. Skelp cupping and clipping apparatus. No. 1,267,379; May 28; v. 250; p. 780.
Cook, James L., Springfield, Ill. Steering-gear-locking mechanism. No. 1,265,057; May 7; v. 250; p. 52.
Cook, James M., Anaheim, Cal. Corner-finisher for irrigation. No. 1,270,597; June 25; v. 251; p. 777.
Cook, James M., Anaheim, Cal. Dumping-scraper attachment for ridgers, &c. No. 1,279,273; Sept. 17; v. 254; p. 579.
Cook, Jesse F., Meridian, Miss. Bedclothes-clamp. No. 1,252,885; Jan. 8; v. 246; p. 450.
Cook, Joel R., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Power-transmitting device. No. 1,260,650; Mar. 26; v. 248; p. 884.
Cook, Joel R., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Centrifugal switch. No. 1,261,102; Apr. 2; v. 249; p. 32.
Cook, John E., Little River, S. C. Manicuring implement. No. 1,268,930; June 11; v. 251; p. 262.
Cook, Judson, Albany, N. Y. Brake-shoe. No. 1,275,853; Aug. 13; v. 253; p. 447.
Cook, Luman, Bennington, Vt. Device for stropping safety- razors. No. 1,284,059; Nov. 5; v. 256; p. 163.
Cook, Mary A. E., Bridgeport, Wash. Bust-form. No. 1,256,203; Feb. 12; v. 247; p. 360.
Cook, Otis W., Fort Dodge, Iowa. Tent attachment for automobiles. No. 1,267,979; May 28; v. 250; p. 948.
Cook, Richard G., *et al.* (See Champlin, Raymond, assignor.)
Cook, Samuel R., San Jose, Cal. Pneumatic shock-absorber. No. 1,261,011; Apr. 2; v. 249; p. 6.
Cook, Stanley S. (See Parsons, Carnegie, and Cook.)
Cook, Stanley S. (See Parsons, Cook, and Douglas.)
Cook, Stanley S. (See Parsons, Walker, Cook, and Douglas.)
Cook, Thomas, Stalybridge, H. T. Johnson, and J. E. T. Foot, London, England. Baling-machine. No. 1,259,961; Mar. 19; v. 248; p. 652.
Cook, Wallace L., Chicago, Ill. Fuse. No. 1,255,080; Jan. 29; v. 246; p. 1165.
Cook, Willard E., Philadelphia, Pa. Card-game means. No. 1,271,856; July 9; v. 252; p. 341.
Cook, William F., Jersey City, N. J. High chair. No. 1,259,604; Mar. 19; v. 248; p. 547.
Cook, William H., New York, N. Y. Foot-arch support. No. 1,289,671; Dec. 31; v. 257; p. 974.
Cooke, Benjamin F. (See Imhoff, Cooke, and Rhulman.)
Cooke, Clayton G., New Haven, Conn., assignor to American Linen Fibre Company, Wilmington, Del. Flax thresher or seeder. No. 1,284,246; Nov. 12; v. 256; p. 240.
Cooke, Edwin. (See Baker and Cooke.)

Cooke, Raymond D., assignor to Columbian Enameling & Stamping Company, Terre Haute, Ind. Removing enamel from enameled metal articles. No. 1,272,917; July 16; v. 252; p. 670.
Cooke, Samuel B., Richmond, Va. Ticket-holder. No. 1,276,493; Aug. 20; v. 253; p. 658.
Cooke, William A., Jr., Brooklyn, N. Y. File, loose-leaf book, or the like. No. 1,285,048; Nov. 19; v. 256; p. 483.
Cookingham, De Witt C., Lakewood, and J. H. Hertner, assignors to The Baker R & L Company, Cleveland, Ohio. Controller for electric vehicles. No. 1,270,789; July 2; v. 252; p. 9.
Coolbroth, Augusta P., Brookline, Mass. Veil. No. 1,256,204; Feb. 12; v. 247; p. 360.
Coolbroth, Augusta P., Portland, Me. Veil. No. 1,256,205; Feb. 12; v. 247; p. 360.
Cooley, Ambrose O., Havre de Grace, Md. Machine for peeling tomatoes. No. 1,252,322; Jan. 1; v. 246; p. 254.
Cooley, Fred W., assignor to J. J. Gerber, Minneapolis, Minn. Distributing-spout. No. 1,268,218; June 4; v. 251; p. 42.
Cooley, Fred W., assignor to J. J. Gerber, Minneapolis, Minn. Distributing-spout. No. 1,268,219; June 4; v. 251; p. 42.
Cooley, George R., assignor to Cooley Manufacturing Company, Seattle, Wash. Search-light. No. 1,264,614; Apr. 30; v. 249; p. 1127.
Cooley, George T., Joplin, Mo., assignor of one-half to J. A. Brent, San Francisco, Cal. Head-motion for ore-concentrators. No. 1,262,922; Apr. 16; v. 249; p. 603.
Cooley, James B., Bath, N. Y. Coffee-pot. No. 1,276,177; Aug. 20; v. 253; p. 570.
Cooley Manufacturing Company. (See Cooley, George R., assignor.)
Cooley, Proctor P., assignor to Culter & Proctor Stove Co., Peoria, Ill. Stove. No. 1,272,387; July 16; v. 252; p. 519.
Cooley, William I., Saltville, assignor to W. R. Dawson, Roanoke, Va. Hollow-piston water-valve. No. 1,275,854; Aug. 13; v. 253; p. 448.
Coolidge, Henry W. (See Crowe, Frederick C., assignor.)
Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Roentgen-ray device. No. 1,253,156; Jan. 8; v. 246; p. 532.
Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. No. 1,261,708; Apr. 2; v. 249; p. 202.
Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Electric-resistance furnace. No. 1,268,685; June 4; v. 251; p. 174.
Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Producing and maintaining vacuums. No. 1,289,672; Dec. 31; v. 257; p. 974.
Coombs, Carl B., assignor to The Meixell Company, Indianapolis, Ind. Steering device for automobiles. No. 1,284,179; Nov. 5; v. 256; p. 195.
Cooney, Charles A., assignor of one-half to R. A. Cooney, Erie, Pa. Shingle-packing machine. No. 1,274,388; Aug. 6; v. 253; p. 12.
Cooney, Peter A., assignor, by mesne assignments, of one-half to Illinois Machine-Recorder Co. and one-half to W. H. Dyrenforth, Chicago, Ill. Machine-recorder. No. 1,285,049; Nov. 19; v. 256; p. 483.
Cooney, Richard A. (See Cooney, Charles A., assignor.)
Coons, Burton C., Rochester, N. Y. Paring-machine. No. 1,269,390; June 11; v. 251; p. 389.
Coons, Charles O., Springfield, Ill. Driving mechanism. No. 1,276,622; Aug. 20; v. 253; p. 693.
Coons, Hyman E., Potosi, Wis. Cutting apparatus. No. 1,261,709; Apr. 2; v. 249; p. 203.
Coons, James H., assignor of one-half to H. J. Drake, Bushnell, Ill. Car-door. No. 1,258,194; Mar. 5; v. 248; p. 71.
Coons, Stanley W., Germantown, N. Y. Automobile-radiator. No. 1,286,237; Dec. 3; v. 257; p. 14.
Cooper, Alexander J., *et al.*, executors. (See Barratt, William T., assignor.)
Cooper, Annie, *et al.*, executors. (See Barratt, William T., assignor.)
Cooper, Carl F., Pesotum, Ill. Clothes-fastener. No. 1,275,533; Aug. 13; v. 253; p. 358.
Cooper, Charles J., assignor of one-half to H. W. Cooper Saddlery Hardware Mfg. Company, Moline, Ill. Socket and sheath connection for wire cables. No. 1,254,027; Jan. 22; v. 246; p. 832.
Cooper, Charles R. (See Copony, Alfred, assignor.)
Cooper, Colin C., New York, N. Y. Shirt. No. 1,263,743; Apr. 23; v. 249; p. 850.
Cooper, Daniel W., Los Angeles, Cal. Pipe-tongs. No. 1,271,671; July 9; v. 252; p. 291.
Cooper, Francis W., and W. H. Yawger, Montreal, Quebec, Canada; said Yawger assignor to said Cooper. Rail-anchor. No. 1,276,178; Aug. 20; v. 253; p. 570.
Cooper, Fred, assignor of one-half to J. A. Cooper, Bloomfield, Mo. Guard attachment for bottle-capping machines. No. 1,265,058; May 7; v. 250; p. 52.
Cooper, George W., London, England. Cinematograph apparatus. No. 1,259,365; Mar. 12; v. 248; p. 447.
Cooper, Grover C., Camden, N. J., assignor of one-third to M. C. Lane and one-third to J. E. Shipley, Philadelphia, Pa. Punching and stitching machine. No. 1,288,840; Dec. 24; v. 257; p. 745.
Cooper, Henry S. (See Johnson, Horace G., assignor.)
Cooper Hewitt Electric Company. (See Hewitt, Peter C., assignor.)
Cooper Hewitt Electric Company. (See Keyes, Frederick G., assignor.)
Cooper Hewitt Electric Company. (See Mailey, Roy D., assignor.)
Cooper Hewitt Electric Company. (See Recklinghausen, Max von, assignor.)
Cooper, Howell C. (See Potter, Dorsey R., assignor.)
Cooper, Hugh S., assignor to The Cooper Research Company, Cleveland, Ohio. Alloy. No. 1,254,987; Jan. 29; v. 246; p. 1140.
Cooper, Hugh S., Cleveland, Ohio, assignor to The General Alloys Company. Alloy. No. 1,277,046; Aug. 27; v. 253; p. 842.
Cooper, Hugh S., assignor to The General Alloys Company, Cleveland, Ohio. Alloy. No. 1,278,304; Sept. 10; v. 254; p. 290.
Cooper, Isidor, Brooklyn, N. Y. Clamp. No. 1,278,598; Sept. 10; v. 254; p. 368.
Cooper, Isidor, Brooklyn, assignor to Otis-Flagg Corporation, New York, N. Y. Clamp. No. 1,252,323; Jan. 1; v. 246; p. 254.
Cooper, Isidor, and O. F. Presbrey, Brooklyn, assignors to Otis-Flagg Corporation, New York, N. Y. Clamp. No. 1,274,688; Aug. 6; v. 253; p. 100.
Cooper, Isidor, and O. F. Presbrey, Brooklyn, assignors to Otis-Flagg Corporation, New York, N. Y. Clamp. No. 1,274,689; Aug. 6; v. 253; p. 100.
Cooper, J. S., *et al.* (See McGahan, George A., assignor.)
Cooper, James J. G., Jacksonville, Fla. Blotter-holder. No. 1,272,388; July 16; v. 252; p. 519.
Cooper, James S., Naugatuck, Conn. Smoker's pipe. No. 1,272,389; July 16; v. 252; p. 520.
Cooper, Joel S., Santa Barbara, Cal. Beet-harvester. No. 1,257,953; Feb. 26; v. 247; p. 942.
Cooper, John, Chicago, Ill. Differential change-speed gear. No. 1,279,658; Sept. 24; v. 254; p. 710.
Cooper, John A. (See Cooper, Fred, assignor.)
Cooper, Joseph H., Pittsburgh, Pa. Stoking apparatus. No. 1,264,369; Apr. 30; v. 249; p. 1057.
Cooper, Justice W. (See Kessler, Cooper and Kessler.)
Cooper, Lyman M., assignor of one-half to T. J. Clinton, Detroit, Mich. Steering-wheel. No. 1,255,136; Feb. 5; v. 247; p. 7.
Cooper, Orange J., Lamar, Colo. Motion-picture camera for color photography. No. 1,269,391; June 11; v. 251; p. 390.
Cooper, Paul W., and G. A. Schmidt, assignors to River-view Park Company, Chicago, Ill. Pleasure-railway. No. 1,264,159; Apr. 30; v. 249; p. 998.
Cooper Research Company, The. (See Cooper, Hugh S., assignor.)
Cooper, Robert A. and W., East Smethport, Pa. Automatic wood-gas-regulating valve for destructive-wood-distillation plants. No. 1,269,392; June 11; v. 251; p. 390.
Cooper, Simon. (See Kops and Cooper.)
Cooper, Simon, Brooklyn, N. Y. Paper-box machine. No. 1,289,673; Dec. 31; v. 257; p. 974.
Cooper, Simon, New York, assignor to Brass Goods Manufacturing Co., Brooklyn, N. Y. Buffing-machine. No. 1,267,634; May 28; v. 250; p. 852.
Cooper, Simon, New York, N. Y., assignor to Gorton-Pew Fisheries Company, Gloucester, Mass. Machine for handling fish. No. 1,267,850; May 28; v. 250; p. 914.
Cooper, Simon, New York, N. Y., assignor to The Warren Featherstone Company, Three Oaks, Mich. Feather-debarbing machine. No. 1,279,275; Sept. 17; v. 254; p. 579.
Cooper, Simon, Brooklyn, assignor to Pine Hill Crystal Spring Water Company, New York, N. Y. Dispensing liquids. No. 1,283,071; Oct. 29; v. 255; p. 934.
Cooper, Thomas L. R., London, England. Electric motor. No. 1,269,909; June 18; v. 251; p. 564.
Cooper, Waldren H., Sistersville, W. Va. Oil-well apparatus. No. 1,272,625; July 16; v. 252; p. 586.
Cooper, William. (See Cooper, Robert A. and W.)
Cooper, William E., *et al.*, executors. (See Pearson, Walter B.)
Cooper, William H., Amsterdam, and C. H. Collins, Albany, assignors to S. Sanford & Sons, Inc., Amsterdam, N. Y. Tapestry-loom. No. 1,265,616; May 7; v. 250; p. 202.
Cooper, Willis W., Flomot, Tex. Explosive-engine. No. 1,285,562; Nov. 19; v. 256; p. 612.
Coopersmith, Rudolph, Toronto, Ontario, Canada. Woven-wire mattress. No. 1,253,469; Jan. 15; v. 246; p. 654.
Coopersmith, Rudolph, Toronto, Ontario, Canada. Sofa-bed. No. 1,272,626; July 16; v. 252; p. 586.
Coopersmith, Rudolph, St. Louis, Mo. Folding cot. No. 1,270,790; July 2; v. 252; p. 9.
Cooperstein, Louis, Portland, Oreg. Interchangeable facing for artificial teeth and backing for the same. No. 1,287,240; Dec. 10; v. 257; p. 296.
Coote, John M., Elizabeth, N. J. Elevator safety-contact. No. 1,277,868; Sept. 3; v. 254; p. 149.

Coote, John M., Elizabeth, N. J. Renewable cartridge-fuse. No. 1,284,247; Nov. 12; v. 256; p. 241.
Coots, Edwin W., Shelbyville, Ky. Unloading apparatus. No. 1,267,187; May 21; v. 250; p. 702.
Cope, Burton G., Orrville, Ohio. Antiskid device for automobile-wheels. No. 1,268,931; June 11; v. 251; p. 262.
Cope, Frank T. (See Baily and Cope.)
Cope, George R., Hanna, Alberta, Canada. Breast-strap. No. 1,257,814; Feb. 26; v. 247; p. 903.
Cope, Joseph H., Windsor, Colo. Sweep-rake. No. 1,269,393; June 11; v. 251; p. 390.
Cope, Joseph H., assignor to The Windsor Manufacturing Company, Windsor, Colo. Sweep-rake. No. 1,277,551; Sept. 3; v. 254; p. 60.
Cope, Lester I. (See Sabina and Cope.)
Cope, Sidney H., assignor to The Warland Dual Rim Company Limited, Aston, Birmingham, England. Road-vehicle wheel. No. 1,260,146; Mar. 19; v. 248; p. 702.
Cope, Thomas S. and W. H., Coeur d'Alene, Idaho. Exhausting device for depurators. No. 1,269,910; June 18; v. 251; p. 565.
Cope, William H. (See Cope, Thomas S. and W. H.)
Copeland, Eugene A., assignor to Hobbs Manufacturing Company, Worcester, Mass. Coin-controlled apparatus. No. 1,259,605; Mar. 19; v. 248; p. 547.
Copeland, Eugene A., assignor to Hobbs Manufacturing Company, Worcester, Mass. Vending-machine. No. 1,280,669; Oct. 8; v. 255; p. 180.
Copeland, Joe S., Van Alstyne, Tex. Coupling. No. 1,286,238; Dec. 3; v. 257; p. 14.
Copeland, John C., Piqua, Ohio. Attachment for plows. No. 1,283,679; Nov. 5; v. 256; p. 63.
Copeland, Lucius D., Sawtelle, Cal. Water-tank. No. 1,253,941; Jan. 15; v. 246; p. 787.
Copeman Development Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., Flint, Mich. Grease-cup. No. 1,269,159; June 11; v. 251; p. 325.
Copeman, Lloyd G., assignor to D. F. Carscadden, Flint, Mich. Drill. No. 1,264,370; Apr. 30; v. 249; p. 1057.
Copeman, Lloyd G., assignor to Copeman Development Company, Flint, Mich. Grease-capsule. No. 1,269,160; June 11; v. 251; p. 325.
Copeman, Lloyd G., assignor to Copeman Development Company, Flint, Mich. Grease-cup. No. 1,287,889; Dec. 17; v. 257; p. 487.
Copenhafer, Pearle Z., Tulia, Tex. Garment. No. 1,280,963; Oct. 8; v. 255; p. 259.
Copenhaver, Claude A. (See Belgard, William B., assignor.)
Copley, Almon W. (See Smith and Copley.)
Copley, Almon W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Pen for recording-meters. No. 1,258,317; Mar. 5; v. 248; p. 106.
Copley, Almon W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for gas-engines. No. 1,285,949; Nov. 26; v. 256; p. 749.
Copley, Almon W., Pittsburgh, and B. H. Smith, Turtle Creek, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,286,239; Dec. 3; v. 257; p. 14.
Copley Motor Devices Company. (See Waterhouse, Harold D., assignor.)
Copony, Alfred, assignor of one-half to C. R. Cooper, Chicago, Ill. Draft-rigging for railway-cars. No. 1,253,790; Jan. 15; v. 246; p. 745.
Copony, Alfred, assignor to Copony Auto-Loading Company, Detroit, Mich. Decking system. No. 1,254,312; Jan. 22; v. 246; p. 915.
Copony Auto-Loading Company. (See Copony, Alfred, assignor.)
Coppeé, Evence, Brussels, Belgium. Regenerative coke-oven. No. 1,267,380; May 28; v. 250; p. 781.
Copper-Clad Malleable Range Company. (See Scruggs, Loyd, assignor.)
Copper Products Company. (See Cook, Edward G., assignor.)
Copper Products Company. (See Huggins, Nathaniel, assignor.)
Copper Products Company. (See Merritt, Matthew M., assignor.)
Coppier, Charles A., Paris, France. Treating fiduciary papers for the purpose of preventing fraud. No. 1,271,857; July 9; v. 252; p. 341.
Copping, John L., New Orleans, La. Burglar-proof bolt attachment. No. 1,272,627; July 16; v. 252; p. 586.
Copping, John L., New Orleans, La. Monkey-wrench. No. 1,275,855; Aug. 13; v. 253; p. 448.
Copping, Wallace H., Pasadena, Cal. Tire-rim tool. No. 1,259,212; Mar. 12; v. 248; p. 404.
Coppins, Ernest H., Charleston, S. C. Beet-harvester. No. 1,263,529; Apr. 23; v. 249; p. 794.
Copps, Mike, Reidsville, Ga. Cure or repair for automobile-tire rim-cuts and blow-outs. No. 1,276,179; Aug. 20; v. 253; p. 570.
Coradi, Oswald, assignor to H. Graf-Buchler, Zurich, Switzerland. Forming and relieving mechanism. No. 1,289,674; Dec. 31; v. 257; p. 975.
Corbett, Carrol A., Grand Rapids, Mich. Advertising device. No. 1,251,755; Jan. 1; v. 246; p. 94.
Corbett, Charles F., Clear Spring, Md. Device for expanding and contracting demountable rims. No. 1,258,195; Mar. 5; v. 248; p. 71.
Corbett, Jay R., New Wilson, Okla. Spudding-shoe. No. 1,275,395; Aug. 13; v. 253; p. 322.
Corbin, Frank P., Morgantown, W. Va. Loading apparatus. No. 1,289,399; Dec. 31; v. 257; p. 909.
Corbin, George W., Bloomington, Tex. Combination farming implement. No. 1,285,950; Nov. 26; v. 256; p. 750.
Corbin, John C., Mansfield, La. Sugar-cane-windrowing machine. No. 1,276,624; Aug. 20; v. 253; p. 694.
Corbitt, Samuel T., Enid, Okla. Tractor. No. 1,287,643; Dec. 17; v. 257; p. 424.
Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,264,160; Apr. 30; v. 249; p. 998.
Corcoran, Edward W., and F. W. Pund, Cincinnati, Ohio. Stabilizing-spring for bobbins. No. 1,275,396; Aug. 13; v. 253; p. 322.
Corcoran, John A., Schenectady, N. Y. Mailing-cover for publications. No. 1,283,680; Nov. 5; v. 256; p. 64.
Corcoran, Mott X., Valparaiso, Ind. Flash-light meter. No. 1,287,241; Dec. 10; v. 257; p. 296.
Corcoran-Victor Company, The. (See Ryder, Charles, assignor.)
Cordaro, Giuseppe, Brooklyn, N. Y. Carrier. No. 1,251,866; Jan. 1; v. 246; p. 128.
Cordell, George, Kearney, Mo. Periscope attachment for rifles. No. 1,260,285; Mar. 19; v. 248; p. 742.
Cordell, James W., Talladega, Ala. Wheel-rim. No. 1,252,886; Jan. 8; v. 246; p. 450.
Corder, Auburn L. P., *et al.* (See Wolfe, Clinton M., assignor.)
Corder, William A., Los Angeles, Cal. Hose-rack. No. 1,258,093; Mar. 5; v. 248; p. 42.
Corder, William P., *et al.* (See Wolfe, Clinton M., assignor.)
Cordley, Henry G., Glen Ridge, N. J. Drip-cup and support. No. 1,256,206; Feb. 12; v. 247; p. 360.
Cordley, Henry G., Glen Ridge, N. J. Dispensing device. No. 1,260,333; Mar. 26; v. 248; p. 790.
Cordley, Henry G., Glen Ridge, N. J. Liquid-dispensing device. No. 1,260,334; Mar. 26; v. 248; p. 790.
Cordley, Henry G., Glen Ridge, N. J. Device for dispensing liquids. No. 1,260,335; Mar. 26; v. 248; p. 790.
Cordova, Leopoldo, Hijo, Mobile, Ala. Grate and fireplace attachment. No. 1,284,603; Nov. 12; v. 256; p. 330.
Core, James H., Nashville, Tenn. Speed-controlled gas cut-off for motor-vehicles. No. 1,284,604; Nov. 12; v. 256; p. 331.
Core, Wayne W., and A. P. Wehner, Pittsburgh, Pa. Fuel-mixer. No. 1,271,541; July 9; v. 252; p. 254.
Corell, Clifton B., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,262,310; Apr. 9; v. 249; p. 400.
Corey, Cyrus C., Canadensis, Pa. Stone-gatherer. No. 1,274,244; July 30; v. 252; p. 1094.
Corey, Earl C. (See Betts and Corey.)
Corey, Sylvester D., New York, N. Y. Headlight-shield. No. 1,279,991; Sept. 24; v. 254; p. 805.
Corey, Walter, Minneapolis, Minn. Safety foot-accelerator. No. 1,287,890; Dec. 17; v. 257; p. 487.
Corgan, Charles F., Portland, Oreg. Telephone-receiver holder. No. 1,281,767; Oct. 15; v. 255; p. 509.
Cork, Frank P., Audley, Newcastle, England. Field telephone and telegraph. No. 1,274,857; Aug. 6; v. 253; p. 147.
Corkell, Thomas W., Chicago, Ill. Collapsible reel-barrel. No. 1,266,771; May 21; v. 250; p. 585.
Corkery, William E., Wadena, Iowa. Soldering-tool. No. 1,253,215; Jan. 15; v. 246; p. 578.
Corkran, Charles E., Los Angeles, Cal. Non-skid device. No. 1,258,318; Mar. 8; v. 248; p. 107.
Corlew, Clarence M., E. Scudder, and J. Carleton, Sioux Falls, S. D. Hose-supporter. No. 1,281,523; Oct. 15; v. 255; p. 446.
Corley, Frank W., Richmond, Va. Carrying-case for talking-machines. No. 1,278,440; Sept. 10; v. 254; p. 324.
Corley, Quentin D., Dallas, Tex. Elbow-joint for artificial arms. No. 1,273,461; July 23; v. 252; p. 840.
Corley, Quentin D., Dallas, Tex. Buttoning and gripping device for artificial arms. No. 1,278,305; Sept. 10; v. 254; p. 290.
Corley, Quentin D., Dallas, Tex. Artificial hand-grip. No. 1,289,400; Dec. 31; v. 257; p. 909.
Cormack, George, assignor to Appleton Manufacturing Co., Batavia, Ill. Tractor. No. 1,259,962; Mar. 19; v. 248; p. 652.
Corn Huskers Investment Co. (See Godbersen, Henry, assignor.)
Corn Products Refining Company. (See Jefferies, Fredrick, assignor.)
Corn Products Refining Company. (See Jefferies and Spain, assignors.)
Cornall, John H., Seattle, Wash. Automobile-locking device. No. 1,258,630; Mar. 5; v. 248; p. 200.
Cornelison, James M., Rochester, Pa. Saggar. No. 1,264,018; Apr. 23; v. 249; p. 927.
Cornelius, Charles C., Grove City, Pa. Wall for buildings. No. 1,270,381; June 25; v. 251; p. 716.

Cornelius, Louis A., Grand Rapids, Mich. Bath or basin waste. No. 1,255,389; Feb. 5; v. 247; p. 80.
Cornelius, Samuel S., Commerce, Tex. Furnace. No. 1,261,103; Apr. 2; v. 249; p. 32.
Cornell, Ulysses S., Grand Haven, Mich. Stake for trucks and flat-cars. No. 1,280,670; Oct. 8; v. 255; p. 180.
Cornell, Zorasto P. (See Swan and Cornell.)
Corner, Alva, *et al.* (See Bullard, James H., assignor.)
Corner, Garvin G., *et al.* (See Bullard, James H., assignor.)
Corner, John J., Souris, Manitoba, Canada. Safety appliance for trains. No. 1,259,963; Mar. 19; v. 248; p. 652.
Corner, Mance R., *et al.* (See Bullard, James H., assignor.)
Cornett, Charles, Pleasanton, Iowa. Engine. No. 1,259,366; Mar. 12; v. 248; p. 448.
Corning Glass Works. (See Churchill, William, assignor.)
Corning Glass Works. (See Gage and Pascucci, assignors.) (Reissue.)
Cornish, Arthur N., Cliff, Oreg. Station-indicator. No. 1,285,050; Nov. 19; v. 256; p. 483.
Cornman, George W. W., and R. P. Brown, assignors to The Brown Instrument Company, Philadelphia, Pa. Pyrometry. No. 1,285,563; Nov. 19; v. 256; p. 612.
Cornuelle, Theodore, Cincinnati, Ohio. Mold for the manufacture of concrete blocks. No. 1,260,147; Mar. 19; v. 248; p. 702.
Cornwall, Frederick R., St. Louis, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill. Fourth-point support for brake-beams. No. 1,277,196; Aug. 27; v. 253; p. 884.
Cornwall, Stephen N., Tampa, Fla. Road or highway construction. No. 1,280,964; Oct. 8; v. 255; p. 260.
Cornwell, Leslie R., Dallas, Iowa. Ensilage-fork. No. 1,266,411; May 14; v. 250; p. 453.
Cornwell, William O., Indianapolis, Ind. Seat arrangement for automobiles and other structures. No. 1,252,242; Jan. 1; v. 246; p. 231.
Corona Typewriter Company. (See De Clamecy, Philippe, assignor.)
Corona Typewriter Company. (See Latta, Emmit G., assignor.)
Corona Typewriter Company. (See Mosher, Charles P.; assignor.)
Corona Typewriter Company. (See Petermann, Otto, assignor.)
Corona Typewriter Company. (See Tucker, Benjamin W., assignor.)
Corona Typewriter Company. (See Tucker and Criswell, assignors.)
Corrall, Herbert, Helensburgh, Scotland, assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,283,471; Nov. 5; v. 256; p. 9.
Corrall, Herbert, Parkview, Helensburgh, and J. M. Forbes, Scotstoun, Glasgow, Scotland, assignors to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,252,666; Jan. 8; v. 246; p. 389.
Corrall, Herbert, Parkview, Helensburgh, and B. A. Stevens, Singer, Clydebank, Scotland, assignors to The Singer Manufacturing Company. Multiple-needle lock-stitch sewing-machine. No. 1,254,123; Jan. 22; v. 246; p. 861.
Corrall, Herbert, Helensburgh, and A. Leslie, Glasgow, Scotland, assignors to The Singer Manufacturing Company. Presser-foot mechanism for sewing-machines. No. 1,287,891; Dec. 17; v. 257; p. 487.
Correll, Percy E., Adelaide, South Australia, Australia. Construction of tents. No. 1,270,701; June 25; v. 251; p. 803.
Corrigan, Frank P., Cleveland, Ohio. Extension-bandage. No. 1,268,932; June 11; v. 251; p. 262.
Corrow, Thomas, Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Rounding and channeling machine. No. 1,269,055; June 11; v. 251; p. 297.
Corrugated Veneer Packing Products Co. (See De Vos and Dering, assignors.)
Corser, Frederic G., Minneapolis, Minn. Weather-strip. No. 1,282,762; Oct. 29; v. 255; p. 848.
Corson, Blake W. (See Noble and Corson.)
Corson, Georgina, New York, N. Y. Portable holder. No. 1,287,892; Dec. 17; v. 257; p. 488.
Corson, Henry J., Bridesville, British Columbia, Canada. Windmill. No. 1,253,942; Jan. 15; v. 246; p. 788.
Corte-Scope Company, The. (See Clarke, Harry N., assignor.)
Cortella, Alfonso, Philadelphia, Pa. Talking-machine. No. 1,274,690; Aug. 6; v. 253; p. 100.
Cortese, Frank T., Brooklyn, N. Y. Magician's cabinet. No. 1,278,306; Sept. 10; v. 254; p. 290.
Cortez, Albert M., San Francisco, Cal. Attachment for vessels. No. 1,258,987; Mar. 12; v. 248; p. 341.
Corti, Arnold, Dübendorf, near Zurich, Switzerland. Process to separate glutaminic acid from other amino acids. No. 1,255,390; Feb. 5; v. 247; p. 80.
Cortland Forging Company. (See Elsom, William J., assignor.)
Cortright, Fred L., and H. Holmes, Middletown, N. Y. Automatic train-stop. No. 1,281,908; Oct. 15; v. 255; p. 549.
Corum, Clinton. (See Swaim and Corum.)
Corwin, Elmer G., Stillwater, Minn. Making thermal boxes. No. 1,253,007; Jan. 8; v. 246; p. 488.
Cory, Harvey, Chicago, Ill., assignor to T. L. Wilkinson, Masontown, Pa. Friction-lining for brakes and clutches. No. 1,286,171; Nov. 26; v. 256; p. 803.
Cory, Joseph J., Rochester, N. Y. Non-refillable bottle. No. 1,275,856; Aug. 13; v. 253; p. 448.
Cos, Abraham J., assignor to Societe Anonyme des Ateliers de Construction de J. J. Gilain, Tirelemont, Belgium. Cane-mill. No. 1,289,675; Dec. 31; v. 257; p. 975.
Cosby, Edwin B., Kansas City, Mo. Nailing strip or block. No. 1,254,205; Jan. 22; v. 246; p. 883.
Cosby, Eric L. H., Fillmore, Cal. Cable-system-well-drilling tool. No. 1,253,791; Jan. 15; v. 246; p. 745.
Cosden, Joshua S., and J. W. Coast, Jr., Tulsa, Okla., assignors to The Process Company. Apparatus for cracking petroleum hydrocarbons. No. 1,258,196; Mar. 5; v. 248; p. 72.
Cosden, Joshua S., and J. W. Coast, Jr., Tulsa, Okla., assignors to The Process Company. Cracking petroleum hydrocarbons. No. 1,261,215; Apr. 2; v. 249; p. 62.
Coseo, Frederick C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Brake mechanism. No. 1,282,543; Oct. 22; v. 255; p. 761.
Cosgrove, Edwin H. (See Stowell, Smith, and Cosgrove.)
Cosgrove, John W., Medford, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heels. No. 1,288,521; Dec. 24; v. 257; p. 669.
Cosgrove, John W., Medford, and E. Erickson, Beverly, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-turning machine. No. 1,257,583; Feb. 26; v. 247; p. 834.
Cosham, David H., Chicago, Ill. Bridge-gate. No. 1,265,617; May 7; v. 250; p. 202.
Coss, Frank, Greencastle, Ind. Bracket for kitchen-cabinets. No. 1,252,091; Jan. 1; v. 246; p. 191.
Coss, Frank, Greencastle, Ind. Record-cabinet. No. 1,253,008; Jan. 8; v. 246; p. 488.
Coss, Frank, Greencastle, Ind. Flour-sifter. No. 1,260,515; Mar. 26; v. 248; p. 844.
Coss, Wilbur, and W. Stockhill, Glassport, Pa. Car-door. No. 1,260,874; Mar. 26; v. 248; p. 946.
Cosser, Walter F. J. (See Ross and Cosser.)
Costa, Anthony, assignor to The Gravity Carbureter Company, Cleveland, Ohio. Carbureter. No. 1,253,577; Jan. 15; v. 246; p. 684.
Costas, Michael A., Biddeford, Me. Combination square, level, and protractor. No. 1,264,161; Apr. 30; v. 249; p. 999.
Costello, George J. (See Costello, Joseph P., assignor.)
Costello, Henry O., Bridgeport, Conn. Height-cage attachment for micrometer-calipers. No. 1,265,431; May 7; v. 250; p. 154.
Costello, James C., Cortland, N. Y. Door-holder. No. 1,263,380; Apr. 23; v. 249; p. 751.
Costello, Joseph A., Cleveland, Ohio. Making hot-pressed nut-blanks. No. 1,287,644; Dec. 17; v. 257; p. 424.
Costello, Joseph P., assignor of one-half to G. J. Costello, Philadelphia, Pa. Warp-let-off control. No. 1,275,534; Aug. 13; v. 253; p. 358.
Costello, Richard A., Chicago Heights, Ill. Blackboard-eraser and making same. No. 1,277,552; Sept. 3; v. 254; p. 60.
Costello, Walter J., *et al.* (See Duffy, Charles H., assignor.)
Costello, William, Jr., Philadelphia, Pa. Cake-coating machine. No. 1,257,677; Feb. 26; v. 247; p. 861.
Costello, William P., Great Falls, Mont. Nursery-chair. No. 1,270,702; June 25; v. 251; p. 803.
Coster, Helge G. (See Buetefisch and Coster.)
Coster, Thomas J., and D. G. Putnam, Chicago, Ill. Dehydrating machine for desiccating liquids. No. 1,258,988; Mar. 12; v. 248; p. 341.
Costigan, Charles A., Oakland, Cal. Pastry-baking machine. No. 1,262,923; Apr. 16; v. 249; p. 604.
Costly, William G., Kent, Ohio. Adjustable display-frame. No. 1,277,869; Sept. 3; v. 254; p. 149.
Costmeter Company. (See Quigley, John T., assignor.)
Coston Signal. (See Lenz, Charles S., assignor.)
Cota, Emerson F., and A. L. Conrad, Frankfort, Ind., assignors of one-third to P. Widin, New York, N. Y. Resilient wheel. No. 1,280,583; Oct. 1; v. 255; p. 130.
Cothran, Edward E., Wright, Cal. Steam locomotive-engine. No. 1,261,104; Apr. 2; v. 249; p. 32.
Cotta Transmission Company. (See Asprooth, Axel H., assignor.)
Cotté, Emile A., Paris, France. Electrical accumulator. No. 1,277,389; Sept. 3; v. 254; p. 16.
Cotterman, Frederick W., assignor of one-half to V. G. Apple, Dayton, Ohio. Gearing. No. 1,279,659; Sept. 24; v. 254; p. 710.
Cotterman, Frederick W., Dayton, Ohio, assignor to Splitdorf Electrical Company, Newark, N. J. Forming secondary windings of high-tension coils. No. 1,282,380; Oct. 22; v. 255; p. 717.
Cottingham, Arthur H., Union, S. C. Bobbin-stripper. No. 1,270,703; June 25; v. 251; p. 803.

Cottle, Alonzo J., Hartsville, Ind. Repair-axle. No. 1,257,942; Feb. 26; v. 247; p. 939.
Cotton, Locia, Holdenville, Okla. Cultivator attachment. No. 1,254,580; Jan. 22; v. 246; p. 990.
Cotton, Walter H., Chicago, Ill. Hydroplane. No. 1,257,678; Feb. 26; v. 247; p. 862.
Cotton, Walter H., Chicago, Ill. Draft-gear for railway-cars. No. 1,270,598; June 25; v. 251; p. 777.
Cottrell, Millard F. (See Hills, John E., assignor.)
Coubal, Laudimire J., Hibbing, Minn. Penmanship-guide. No. 1,254,028; Jan. 22; v. 246; p. 833.
Couch Bros. Manufacturing Co. (See Couch, Walter D., assignor.)
Couch Bros. Manufacturing Co. (See Ponder, Allie, assignor.)
Couch, Charles A., assignor, by mesne assignments, to Fuel Economy Company, Springfield, Mass. Gas-mixing device. No. 1,270,015; June 18; v. 251; p. 592.
Couch, Forrest J. (See Kane and Couch.)
Couch, Walter D., assignor to Couch Bros. Manufacturing Co., Atlanta, Ga. Support for jail-hammocks. No. 1,270,599; June 25; v. 251; p. 777.
Couch, Walter D., assignor to Couch Brothers Manufacturing Co., Atlanta, Ga. Back-band hook. No. 1,289,676; Dec. 31; v. 257; p. 975.
Couchois, Edward W., Mackinac Island, Mich. Ship's navigation apparatus. No. 1,280,406; Oct. 1; v. 255; p. 81.
Couchois, Garrett J., Rutherford, N. J., assignor to Couchois Tire Corporation, New York, N. Y. Resilient tire. No. 1,256,877; Feb. 19; v. 247; p. 593.
Couchois Tire Corporation. (See Couchois, Garrett J., assignor.)
Couden, Albert R., trustee. (See Keithley, Herbert R., assignor.)
Couffinhal, Auguste F., Sèvres, France. Carbureter. No. 1,280,407; Oct. 1; v. 255; p. 82.
Coughlin, Edward J., Passaic, N. J., assignor to New York Belting & Packing Company. Hose. No. 1,256,520; Feb. 19; v. 247; p. 488.
Coughlin, Owen J., Tipton, assignor of one-third to G. Rathel and one-third to J. E. Fredrick, Kokomo, Ind. Nut-tapping machine. No. 1,285,564; Nov. 19; v. 256; p. 612.
Coughlin, William G., Philadelphia, Pa. Compound railway-rail. No. 1,260,148; Mar. 19; v. 248; p. 702.
Coughlin, William G., Philadelphia, Pa. Railway-rail and support. No. 1,260,149; Mar. 19; v. 248; p. 702;
Coughlin, William G., Philadelphia, Pa. Railway-rail and support. No. 1,260,150; Mar. 19; v. 248; p. 703.
Coughlin, William G., Philadelphia, Pa. Rail-chair. No. 1,260,151; Mar. 19; v. 248; p. 703.
Couillard, Marshall F. (See Lavin, John J., assignor.)
Coull, Thomas C., and W. E. McLean, Dunedin, New Zealand. Paper-file. No. 1,275,397; Aug. 13; v. 253; p. 322.
Coulombe, Joseph C., Lowell, Mass. Carbureter. No. 1,254,659; Jan. 29; v. 246; p. 1041.
Coulon, François. (See Comet and Coulon.)
Couls, George R. (See Bryant and Couls.)
Coulson, Arthur R., San Quentin, Cal. Milk-treated wheat or other cereal flour. No. 1,287,600; Dec. 10; v. 257; p. 383.
Coulson, John, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolyte. No. 1,255,391; Feb. 5; v. 247; p. 81.
Coulson, John, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Film-forming electrolyte. No. 1,266,557; May 21; v. 250; p. 523.
Coultas, Wilbur J., assignor to The Burch Plow Works Co., Crestline, Ohio. Gate-adjusting mechanism for road-building machines. No. 1,281,141; Oct. 8; v. 255; p. 308.
Coulter, Henry P., Toledo, Ohio. Dust and wind guard for car-windows. No. 1,267,381; May 28; v. 250; p. 781.
Coulter, Lemuel D., Burlington, assignor of one-half to A. J. Sanders, Halls Summit, Kans. Kafir-corn header. No. 1,280,671; Oct. 8; v. 255; p. 180.
Coulter, Leonard P., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Welding-controller. No. 1,278,860; Sept. 17; v. 254; p. 468.
Counard, Xavier F., Brussels, Wis. Grading-machine. No. 1,276,876; Aug. 27; v. 253; p. 798.
Coup, Charles R., McKeesport, Pa. Toy. No. 1,266,106; May 14; v. 250; p. 370.
Courbon, Joannés. (See Quéron and Courbon.)
Cournyer, James H., Oskaloosa, Iowa. Siphon cream-remover. No. 1,280,965; Oct. 8; v. 255; p. 260.
Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,256,297; Feb. 12; v. 247; p. 386.
Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,277,870; Sept. 3; v. 254; p. 149.
Court, Clarence W., assignor to W. P. Murphy, Chicago, Ill. Drop-end gondola car. No. 1,268,547; June 4; v. 251; p. 135.
Courtenay, William H., Philadelphia, Pa. Auto-tread. No. 1,260,651; Mar. 26; v. 248; p. 885.
Courter, Martin, Sneads Island, assignor of one-half to F. D. Waite, Palmetto, Fla. Seam-opening tool. No. 1,255,860; Feb. 12; v. 247; p. 256.
Courtier, Jules and P., Paris, France. Apparatus for producing flashes by the electric volatilization of fusible wires. No. 1,274,009; July 30; v. 252; p. 1027.
Courtier, Pierre. (See Courtier, Jules and P.)
Courtinade, François, New York, N. Y. Cigarette. No. 1,257,319; Feb. 26; v. 247; p. 757.
Courtinade, François, New York, N. Y. Cigarette. No. 1,257,815; Feb. 26; v. 247; p. 903.
Courtney, James J., Brooklyn, N. Y. Bearing for propeller-shafts. No. 1,267,382; May 28; v. 250; p. 781.
Courtney, John, Albany, Oreg. Beet-harvesting machine. No. 1,269,789; June 18; v. 251; p. 532.
Courtney, Thomas S., assignor to Marseilles Company, East Moline, Ill. Chain-tightener. No. 1,275,398; Aug. 13; v. 253; p. 322.
Courton, Clarence, Smith Center, Kans. Pipe-wrench. No. 1,287,893; Dec. 17; v. 257; p. 488.
Courtright, John E., Independence, Kans. Tying device. No. 1,284,605; Nov. 12; v. 256; p. 331.
Courts, Albert, *et al.* (See Royce, Walter G., assignor.)
Cousino, Elton P., Newport, Mich. Bicycle-trailer. No. 1,263,381; Apr. 23; v. 249; p. 752.
Coutant, George E., Peru, Ind., and A. E. Lehmann, St. Charles, Mo. Railway-car-buffer construction. No. 1,270,791; July 2; v. 252; p. 10.
Coutts, John L., Colton, S. D. Device for transmitting power. No. 1,282,678; Oct. 22; v. 255; p. 798.
Covel Manufacturing Company. (See Filstrup, Eddie C., assignor.)
Covel, John H., Kenefic, Okla. Corn-header. No. 1,256,776; Feb. 19; v. 247; p. 562.
Coventry Electric Clock Company Limited. (See Rushton, Thomas, assignor.)
Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Toy bank. No. 1,274,010; July 30; v. 252; p. 1027.
Covert Manufacturing Company. (See Baxter, John B., assignor.)
Covert, Stephen D., Denver, Colo. Railway-tie and rail-fastener. No. 1,276,877; Aug. 27; v. 253; p. 798.
Covino, Isaac, West New York, N. J. Aeroplane. No. 1,259,083; Mar. 12; v. 248; p. 368.
Cowan, Charles M., and J. Brown, Musselburgh, Scotland. Apparatus for treatment of paper-pulp and other fibrous materials. No. 1,287,571; Dec. 10; v. 257; p. 376.
Cowan, Fletcher, assignor to Ben Day Inc., Summit, N. J. Holdfast for shading-films. No. 1,255,514; Feb. 5; v. 247; p. 115.
Cowan, George L., East Ryegate, Vt., assignor to Holyoke Machine Company, Holyoke, Mass. Piston. No. 1,255,081; Jan. 29; v. 246; p. 1165.
Cowan, John H., Kansas City, Mo. Combination hair-trimmer and safety-razor. No. 1,288,522; Dec. 24; v. 257; p. 669.
Cowan Truck Company, trustee. (See Blackburn, Felix, assignor.) (Reissue.)
Cowdery, Robert H., Cleveland Heights, assignor to The American Fork and Hoe Company, Cleveland, Ohio. Manufacture of forks. No. 1,279,660; Sept. 24; v. 254; p. 711.
Cowdrick, Hiram O., Philadelphia, Pa. Artificial tooth. No. 1,264,615; Apr. 30; v. 249; p. 1127.
Cowen, Joshua L., New York, N. Y. Toy car. No. 1,272,390; July 16; v. 252; p. 520.
Cowen, Joshua L., New York, N. Y. Toy car. No. 1,272,391; July 16; v. 252; p. 520.
Cowgill, Charles O., and C. B. Kimble, Des Moines, Iowa. Signal-arm light. No. 1,256,521; Feb. 19; v. 247; p. 489.
Cowgill, Daniel I., Lexington, Ky. Metallic railway-tie. No. 1,260,336; Mar. 26; v. 248; p. 791.
Cowgill, Horace W. (See Yarger, William A., assignor.)
Cowles, John T., Chicago, Ill. Ship-raising mechanism. No. 1,258,197; Mar. 5; v. 248; p. 72.
Cowles, Ray H., San Francisco, Cal. Rotary engine. No. 1,280,169; Oct. 1; v. 255; p. 14.
Cowley, James T., Minot, assignor to The Lamson Company, Boston, Mass. Device for moving articles from one level to another. No. 1,251,478; Jan. 1; v. 246; p. 8.
Cowley, James T., Minot, assignor to The Lamson Company, Boston, Mass. Conveyer. No. 1,276,724; Aug. 27; v. 253; p. 758.
Cox, Abraham B., New York, N. Y. Range-finder. No. 1,273,152; July 23; v. 252; p. 759.
Cox, Abraham B., Cherry Valley, assignor to General Reduction Gas and By-Products Company, New York, N. Y. Purifying potassium chlorid. No. 1,252,784; Jan. 8; v. 246; p. 422.
Cox, Abraham B., Cherry Valley, assignor to General Reduction Gas & By-Products Company, New York, N. Y. Mortar for fire-bricks. No. 1,252,785; Jan. 8; v. 246; p. 422.
Cox, Albert F., Chicago, Ill. Comb. No. 1,286,240; Dec. 3, v. 257; p. 14.
Cox, Archibald, *et al.* (See Eckel, Edwin C., assignor.)
Cox, Arthur. (See Bradburn and Cox.)
Cox, Carlos, Sedro Woolley, assignor of one-half to C. A. Beaulieu, Seattle, Wash. Container. No. 1,267,635; May 28; v. 250; p. 853.
Cox, Charles E., San Pedro, Cal. Machine-drill. No. 1,275,857; Aug. 13; v. 253; p. 448.

Cox, Charles E., Venice, assignor of one-fourth to B. F. Crossman, Los Angeles, Cal. Machine-drill. No. 1,270,121; June 18; v. 251; p. 618.
Cox, Charles N., Brockman, Cal. Traffic-signal. No. 1,267,515; May 28; v. 250; p. 817.
Cox, Dillard H., Black Rock, Oreg. Spark-arrester. No. 1,281,142; Oct. 8; v. 255; p. 309.
Cox, Elmer T., San Francisco, and W. E., Oakland, Cal. Steering mechanism. No. 1,268,933; June 11; v. 251; p. 262.
Cox, Frank W., Bullsgap, Tenn., assignor of one-half to R. W. Moore, Asheville, N. C. Air-brake attachment. No. 1,281,297; Oct. 15; v. 255; p. 383.
Cox, George C. (See Cleveland, Willard E., assignor.)
Cox, George E., Niagara Falls, assignor to American Cyanamid Company, New York, N. Y. Making calcium cyanamid. No. 1,258,747; Mar. 12; v. 248; p. 270.
Cox, George E., Niagara Falls, assignor to American Cyanamid Company, New York, N. Y. Improving the grade of calcium cyanamid. No. 1,275,535; Aug. 13; v. 253; p. 359.
Cox, George E., Niagara Falls, assignor to American Cyanamid Company, New York, N. Y. Making calcium cyanamid. No. 1,282,381; Oct. 22; v. 255; p. 718.
Cox, Harvey E., Haines, Oreg. Reversible ax. No. 1,264,776; Apr. 30; v. 249; p. 1168.
Cox, Irwin, San Francisco, Cal. Polish and cleanser. No. 1,253,353; Jan. 15; v. 246; p. 620.
Cox, James W. (See Rein and Cox.)
Cox, James W., Wilmette, assignor to Pacific Flush Tank Company, Chicago, Ill. Electric switch. No. 1,269,684; June 18; v. 251; p. 501.
Cox, James W., Wilmette, assignor to Pacific Flush Tank Company, Chicago, Ill. Water-gage. No. 1,283,681; Nov. 5; v. 256; p. 64.
Cox, John, Hot Springs, Ark. Hair-clipper. No. 1,257,679; Feb. 26; v. 247; p. 862.
Cox, John A., Bridgeport, Conn. Tire-chain lock. No. 1,280,408; Oct. 1; v. 255; p. 82.
Cox, John A., Bridgeport Conn. Tire-chain lock. No. 1,280,409; Oct. 1; v. 255; p. 82.
Cox, John C., *et al.* (See Steedman, James B., assignor.)
Cox, John W. (See Walker and Cox.)
Cox, John W., Erie, Pa. Truck-platform. No. 1,252,786; Jan. 8; v. 246; p. 422.
Cox, John W., Erie, Pa. Apparatus for emptying receptacles. No. 1,283,090; Oct. 29; v. 255; p. 939.
Cox, John W., assignor of one-fourth to G. R. Metcalf and one-fourth to E. E. Walker, Erie, Pa. Packing-machine. No. 1,289,677; Dec. 31; v. 257; p. 976.
Cox, John W., assignor of one-fourth to G. R. Metcalf and one-fourth to E. E. Walker, Erie, Pa. Truck. No. 1,289,678; Dec. 31; v. 257; p. 976.
Cox, Martin E., Carmichael, Md. Transmission mechanism. No. 1,277,295; Aug. 27; v. 253; p. 908.
Cox, Michael, New York, N. Y. Folding bed. No. 1,255,710; Feb. 5; v. 247; p. 172.
Cox, Michael, New York, N. Y. Folding bed. No. 1,263,212; Apr. 16; v. 249; p. 686.
Cox Multi-Mailer Co. (See Tomlinson, Joseph, assignor.)
Cox Multi-Mailer Company. (See Huneke, John, assignor.)
Cox, Ora C., Philadelphia, Pa. Detachable drain-board for sinks. No. 1,287,894; Dec. 17; v. 257; p. 488.
Cox, Oscar M., Lockney, Tex. Windmill. No. 1,273,582; July 23; v. 252; p. 873.
Cox, Paul F., Chicago, Ill. Ventilation. No. 1,263,382; Apr. 23; v. 249; p. 752.
Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Flat-bed printing-press. No. 1,258,875; Mar. 12; v. 248; p. 309.
Cox, Ross C. (See McGinnitey and Cox.)
Cox, Victor L., assignor of one-half to A. Schonenberger, Akron, Ohio. Core. No. 1,274,858; Aug. 6; v. 253; p. 147.
Cox, Warren R., Cleveland, Ohio. Means for locking sparking units. No. 1,253,470; Jan. 15; v. 246; p. 654.
Cox, Warren R., Cleveland, Ohio. Lock-switch. No. 1,267,516; May 28; v. 250; p. 818.
Cox, William E. (See Cox, Elmer T. and W. E.)
Cox, William F., Danville, Va. Cotton-lap-dyeing machine. No. 1,255,137; Feb. 5; v. 247; p. 7.
Cox, William F., Danville, Va. Air-heating apparatus. No. 1,280,672; Oct. 8; v. 255; p. 181.
Coy, Harris S., Anderson, Ind. Temperature-regulating system. No. 1,276,878; Aug. 27; v. 253; p. 798.
Coyle, James J., Albany, N. Y. Meter connection. No. 1,287,895; Dec. 17; v. 257; p. 489.
Coyle, John H., New York, N. Y. Right-triangle puzzle. No. 1,261,710; Apr. 2; v. 249; p. 203.
Coyle, Joseph L., Smithers, British Columbia, Canada. Egg-box. No. 1,269,394; June 11; v. 251; p. 390.
Coyne, Martin. (See Burke, Michael J., assignor.)
Coyne, Roy R. (See White, James, assignor.)
Cozel, Stanislaw, A. Kowalczyk, and W. Nayda, Wilmington, Del. Direction-indicator. No. 1,264,162; Apr. 30; v. 249; p. 999.
Crabb, George W. J., Newark, N. J. Lubricating device. No. 1,262,022; Apr. 9; v. 249; p. 321.
Crabbe, Henry J., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Pickling compound. No. 1,268,818; June 11; v. 251; p. 231.
Crabbs Reynolds Taylor Company. (See Gray, Harold L., assignor.)
Crabill, Pearl P. (See Turner and Crabill.)
Crabill, William L., and W. E. Wiley, Battle Creek, Mich. Hose-clamp. No. 1,268,934; June 11; v. 251; p. 262.
Crabtree, Frank S., North Hancock, Me. Salt and pepper shaker. No. 1,284,248; Nov. 12; v. 256; p. 241.
Crabtree, John I., assignor to Eastman Kodak Company, Rochester, N. Y. Tinting process and product thereof. No. 1,279,276; Sept. 17; v. 254; p. 580.
Crabtree, John I., assignor to Eastman Kodak Company, Rochester, N. Y. Ignition apparatus. No. 1,286,891; Dec. 3; v. 257; p. 167.
Crady, Peter E., and F. H. Robillard, Burlington, Vt. Platform-scale. No. 1,265,618; May 7; v. 250; p. 203.
Craft, D. J. (See Craft, Frank, assignor.)
Craft, Edward B., Hackensack, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electromagnetic device. No. 1,263,383; Apr. 23; v. 249; p. 752.
Craft, Edward B., Hackensack, N. J., and J. N. Reynolds, Greenwich, Conn., assignors, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,267,980; May 28; v. 250; p. 949.
Craft, Frank, Clinton, Ind., assignor to D. J. Craft, Scottland, Ill. Rotary engine. No. 1,273,743; July 23; v. 252; p. 914.
Craft, Harry G., Clarksdale, Miss. Direction-signal for automobiles. No. 1,281,524; Oct. 15; v. 255; p. 446.
Craft, John D., Evansville, Ind. Motor-truck. No. 1,261,105; Apr. 2; v. 249; p. 33.
Craft, William C., St. Paul, Minn. Repair-patch. No. 1,277,871; Sept. 3; v. 254; p. 150.
Crafts, Orville N., Lawton, Okla. Game apparatus. No. 1,288,841; Dec. 24; v. 257; p. 745.
Craig, Arthur B. (See Curran and Craig.)
Craig, Arthur U., Washington, D. C. Cushion-support for vehicles. No. 1,258,748; Mar. 12; v. 248; p. 270.
Craig, Casper J., Haskell, Okla. Angle-indicator. No. 1,287,242; Dec. 10; v. 257; p. 296.
Craig, Edward, St. Joseph, Mich. Wire-bound box-blank machine. No. 1,258,989; Mar. 12; v. 248; p. 341.
Craig, Edward, St. Joseph, Mich. Handle-machine. No. 1,264,901; May 7; v. 250; p. 8.
Craig, Edward, St. Joseph, Mich. Basket-handle-attaching machine. No. 1,280,411; Oct. 1; v. 255; p. 83.
Craig, Edward, assignor to Saranac Machine Co., St. Joseph, Mich. Book-stitcher machine. No. 1,253,354; Jan. 15; v. 246; p. 620.
Craig, Edward, St. Joseph, assignor to Saranac Machine Company, Benton Harbor, Mich. Inside box-end-stapling machine. No. 1,254,395; Jan. 22; v. 246; p. 938.
Craig, Edward, St. Joseph, assignor to Saranac Machine Company, Benton Harbor, Mich. Carton-stapling machine. No. 1,280,410; Oct. 1; v. 255; p. 82.
Craig, Edward, St. Joseph, assignor to Saranac Machine Company, Benton Harbor, Mich. Printing and blanking machine. No. 1,289,679; Dec. 31; v. 257; p. 976.
Craig, Edward, and W. H. Ray, St. Joseph, Mich. Wire-bound-crate-side machine. No. 1,254,779; Jan. 29; v. 246; p. 1080.
Craig, John W., Berne, Ind. Door-check. No. 1,288,523; Dec. 24; v. 257; p. 669.
Craig, Newell H., Seattle, Wash. Lever-operating device. No. 1,258,653; Mar. 12; v. 248; p. 245.
Craig, Porter J., Middletown, Ind., assignor to Sefton Manufacturing Corporation, Chicago, Ill. Folding box. No. 1,281,768; Oct. 15; v. 255; p. 510.
Craig, Richard M., San Antonio, Tex. Phonographic attachment for moving-picture machines. No. 1,260,337; Mar. 26; v. 248; p. 791.
Craig, Richard M., San Antonio, Tex. Moving-picture machine. No. 1,260,338; Mar. 26; v. 248; p. 791.
Craig, Richard M., San Antonio, Tex. Advertising-sign. No. 1,276,494; Aug. 20; v. 253; p. 658.
Craig, Robert, Los Angeles, Cal. Impact propelling device. No. 1,288,842; Dec. 24; v. 257; p. 745.
Craig, Robert, Robinsdale, M. J. and G. A. Polley, Winona, Minn. Transmission mechanism for tractors. No. 1,284,606; Nov. 12; v. 256; p. 331.
Craig, Robert B., Braymer, and A. L. Coffman, Kansas City, Mo. Tool-holder. No. 1,285,627; Nov. 26; v. 256; p. 668.
Craig, Robert B., and A. L. Coffman, Grand Rapids, Mich., assignors to Champion Recording Machine Company. Transfer printing and issuing machine. No. 1,280,966; Oct. 8; v. 255; p. 260.
Craig, Sarah R. (See Smith, Andrew J., assignor.)
Craig, St. George, Henderson, Ky. Garment-holder. No. 1,276,034; Aug. 20; v. 253; p. 529.
Craig, William G., Marshalltown, Iowa. Fuel-supply valve for automobiles. No. 1,264,019; Apr. 23; v. 249; p. 927.
Craig, William O., North Vancouver, British Columbia, Canada. Resawing-machine. No. 1,259,490; Mar. 19; v. 248; p. 515.
Craig, Wordie, Ione, Ark. Grapple for well-buckets. No. 1,268,686; June 4; v. 251; p. 174.
Craigen, George J., New York, N. Y. Brick and other like machine. No. 1,281,298; Oct. 15; v. 255; p. 384.

Craighead, James R., Schenectady, N. Y., assignor to General Electric Company. Demand-measurement. No. 1,269,525; June 11; v. 251; p. 425.
Craley, Clarence C., Mount Joy, Pa. Metal-working machine. No. 1,285,628; Nov. 26; v. 256; p. 668.
Cram, Tim B., assignor to The Railway Materials Company, Chicago, Ill. Apparatus for burning pulverized fuel. No. 1,258,654; Mar. 12; v. 248; p. 245.
Cram, Tim B., assignor to The Railway Materials Company, Chicago, Ill. Material-conveyer for furnaces. No. 1,272,918; July 16; v. 252; p. 670.
Cramer, Arthur E., Belgrade, Mont. Card game. No. 1,263,860; Apr. 23; v. 249; p. 883.
Cramer, Charles F., Indiana, Pa. Sharpening appliance. No. 1,274,513; Aug. 6; v. 253; p. 49.
Cramer, Charles F., Indiana, Pa. Structural system. No. 1,285,051; Nov. 19; v. 256; p. 483.
Cramer, George H., assignor to Hershell-Spillman Co., North Tonawanda, N. Y. Electric-lighting system for carousels. No. 1,274,993; Aug. 6; v. 253; p. 185.
Cramer, Marion E., Arlington, Ohio. Clothes-pin. No. 1,260,969; Mar. 26; v. 248; p. 972.
Cramer, Philipp, assignor to M. Schaefer, Newark, N. J. Ruler for blackboards. No. 1,252,243; Jan. 1; v. 246; p. 232.
Cramer, Stuart W. (See Hodge, William B., assignor.)
Cramer, Walter G., Cincinnati, Ohio. Indicator for automobile-radiators. No. 1,279,277; Sept. 17; v. 254; p. 580.
Cramer, William. (See Jacobs and Cramer.)
Cramp, William T., Poughkeepsie, N. Y. Toy. No. 1,270,122; June 18; v. 251; p. 619.
Crampton, Basil R., Chicago, Ill. Latch. No. 1,273,583; July 23; v. 252; p. 873.
Crampton, Theodore H. M., Santa Monica, Cal. Triangle computing and drafting instrument. No. 1,262,023; Apr. 9; v. 249; p. 321.
Crandal, Stone & Company. (See Winans, Daniel M., assignor.)
Crandall Engineering Company, The. (See Crandall, James L., assignor.)
Crandall, Harry J., Norwich, N. D. Tatting-thread holder. No. 1,277,553; Sept. 3; v. 254; p. 60.
Crandall, Henry F., Racine, Wis. Fishing-rod support. No. 1,268,096; June 4; v. 251; p. 8.
Crandall, Henry F., Racine, Wis. Fish-lure. No. 1,268,097; June 4; v. 251; p. 8.
Crandall, Irving B., assignor to Western Electric Company, New York, N. Y. Damping material for telephones. No. 1,255,861; Feb. 12; v. 247; p. 256.
Crandall, James L., assignor to The Crandall Engineering Company, East Boston, Mass. Sectional dry-dock. No. 1,279,084; Sept. 17; v. 254; p. 529.
Crandall, Jay E. (See Gossard and Crandall.)
Crandon, Joseph B., M. M., and B. J. Bernstein, Portland, Me. Non-freezable faucet. No. 1,277,197; Aug. 27; v. 253; p. 884.
Crane, Adolphus G., assignor to Crane Shale Oil Corporation, Reno, Nev. Extracting hydrocarbon materials from shale and similar earthy material. No. 1,276,879; Aug. 27; v. 253; p. 798.
Crane, Arthur B., Belleville, N. J. Calendar. No. 1,274,994; Aug. 6; v. 253; p. 185.
Crane & Breed Manufacturing Company, The. (See Davoran, Michael F., assignor.)
Crane, Charles E., Seattle, Wash. Regulator for oil-gas burners. No. 1,253,578; Jan. 15; v. 246; p. 685.
Crane, Charles H., Kansas City, Mo. Nut-lock. No. 1,269,911; June 18; v. 251; p. 565.
Crane Company. (See Olson, Charles A., assignor.)
Crane, Flora G., Sandpoint, Idaho. Oven-tray. No. 1,266,412; May 14; v. 250; p. 453.
Crane, Frank M., Maplewood, N. J. Shock-absorber. No. 1,287,243; Dec. 10; v. 257; p. 296.
Crane, Frederick D., Montclair, N. J. Article-support for solidified-alcohol cans. No. 1,277,872; Sept. 3; v. 254; p. 150.
Crane, Henry H., Floral Park, assignor to Huber Mfg. Co., New York, N. Y. Lock. No. 1,273,036; July 16; v. 252; p. 702.
Crane, Herbert W., Chicago, Ill. Electric switch. No. 1,283,682; Nov. 5; v. 256; p. 64.
Crane, Herbert W., Chicago, Ill. Door-operating lever. No. 1,284,607; Nov. 12; v. 256; p. 331.
Crane, John, Maywood, and F. E. Payne, Glencoe, assignors to Crane Packing Company, Chicago, Ill. Metallic packing and making same. No. 1,271,526; July 2; v. 252; p. 215.
Crane, John P., Indian Orchard, Mass. Doffing device for spinning-machines. No. 1,252,404; Jan. 8; v. 246; p. 312.
Crane Manufacturing Company, The. (See Benson and Shaw, assignors.)
Crane, Newton, Boston, Mass. Illuminated fountain. No. 1,255,711; Feb. 5; v. 247; p. 172.
Crane, Newton, Boston, Mass. Armature-winding machine. No. 1,255,712; Feb. 5; v. 247; p. 172.
Crane, Newton, Boston, Mass. Tractor attachment for motor-cars. No. 1,276,035; Aug. 20; v. 253; p. 529.
Crane Packing Company. (See Crane and Payne, assignors.)
Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,287,645; Dec. 17; v. 257; p. 425.
Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Illuminated weighing-scale. No. 1,287,896; Dec. 17; v. 257; p. 489.
Crane, Samuel W., Lone Wolf, Okla. Dumping attachment for harrows. No. 1,260,516; Mar. 26; v. 248; p. 844.
Crane Shale Oil Corporation. (See Boyle, Alexander M., assignor.)
Crane Shale Oil Corporation. (See Crane, Adolphus G., assignor.)
Crane, Theodore D., Little Sioux, Iowa. Sickle-head for mowing-machines. No. 1,257,191; Feb. 19; v. 247; p. 684.
Crane, Tobias L., Tyrone, N. Mex. Pulp-filter. No. 1,268,935; June 11; v. 251; p. 263.
Crane, Warren N. (See Horne and Crane.)
Crane, William H., Poughkeepsie, N. Y., assignor to Moline Plow Company. Elevator-support for harvesters. No. 1,269,161; June 11; v. 251; p. 325.
Crane, William H., Poughkeepsie, N. Y., assignor to Moline Plow Company. Butt-adjuster mechanism for grain-binders. No. 1,270,016; June 18; v. 251; p. 593.
Cranford, Frederick L. (See Meem, James C., assignor.)
Crank, Floyd M., Muskogee, Okla. Automobile-lock. No. 1,284,608; Nov. 12; v. 256; p. 332.
Crank Shaft & Valve Movement Company. (See Gerard, Jules, assignor.)
Cranner, Bjarne, Kongsberg, Norway. Apparatus for transmitting optical signals. No. 1,256,441; Feb. 12; v. 247; p. 430.
Cranshaw, Harold B., Brookline, Mass. Receptacle. No. 1,289,680; Dec. 31; v. 257; p. 976.
Cranston, Arthur, Washington, D. C. Window-cleaner. No. 1,269,395; June 11; v. 251; p. 391.
Cranston, Walter C., assignor of one-half to H. Stake, Worcester, Mass. Shock-absorber. No. 1,259,367; Mar. 12; v. 248; p. 448.
Cranzler, Jacob, New York, N. Y. Spring-fastener. No. 1,273,037; July 16; v. 252; p. 702.
Crary, Jay D., Aberdeen, Wash. Electric oven. No. 1,282,195; Oct. 22; v. 255; p. 667.
Crary, Louis M., Hongkong, China. Railway-tie. No. 1,277,390; Sept. 3; v. 254; p. 16.
Crate, James S., Oakhurst, Tex. Folding box-form. No. 1,277,873; Sept. 3; v. 254; p. 150.
Cratty, Charles, Grinnell, Iowa. Dust-cap. No. 1,267,636; May 28; v. 250; p. 853.
Craun, Peter F. (See France and Craun.)
Craven, Emma E., Portland, Oreg. Dog-foot brace and support. No. 1,263,744; Apr. 23; v. 249; p. 850.
Craven, Thomas J., and D. J. Crilly, Detroit, Mich. Cable-grip. No. 1,272,392; July 16; v. 252; p. 520.
Craven, Thomas L., Bellefourche, S. D. Snap-hook. No. 1,263,745; Apr. 23; v. 249; p. 851.
Cravens, George W., Westfield, assignor to C. & C. Electric & Manufacturing Company, Garwood, N. J. Electric-arc welding or brazing. No. 1,260,875; Mar. 26; v. 248; p. 947.
Cravens, George W., assignor to C. & C. Electric & Manufacturing Company, Garwood, N. J. Electric-arc welding or brazing. No. 1,260,989; Mar. 26; v. 248; p. 977.
Craw, George R., Fort Wayne, Ind. Kitchenette. No. 1,258,655; Mar. 12; v. 248; p. 245.
Crawford, Charles F., Liberty, N. Y. Horse-restraining device. No. 1,252,667; Jan. 8; v. 246; p. 389.
Crawford, David A., Emlenton borough, Pa. Measuring and dispensing apparatus. No. 1,279,661; Sept. 24; v. 254; p. 711.
Crawford, David F., Pittsburgh, Pa. Feed mechanism for stokers. No. 1,258,397; Mar. 5; v. 248; p. 130.
Crawford, David F., Pittsburgh, Pa. Water-scoop apparatus. No. 1,276,880; Aug. 27; v. 253; p. 799.
Crawford, David F., Pittsburgh, Pa. Piston. No. 1,283,091; Oct. 29; v. 255; p. 940.
Crawford, Frank, Sr., assignor to The Crawford Manufacturing Company, New Brunswick, N. J. Stop-motion for knitting-machines. No. 1,272,777; July 16; v. 252; p. 628.
Crawford, Frank, Sr., assignor to The Crawford Manufacturing Company, New Brunswick, N. J. Stop-motion thread-frame. No. 1,273,584; July 23; v. 252; p. 874.
Crawford, Frank, Sr., Highland Park, assignor to The Crawford Manufacturing Company, New Brunswick, N. J. Thread-guard for stop-motions. No. 1,288,524; Dec. 24; v. 257; p. 670.
Crawford, Fred, Prosser, Wash. Mower and harvester attachment. No. 1,272,628; July 16; v. 252; p. 587.
Crawford, George S., La Salle, Colo. Attachment for sulky-plows. No. 1,253,943; Jan. 15; v. 246; p. 788.
Crawford, James, New York, N. Y. Nut or rivet holder for sheet metal. No. 1,272,919; July 16; v. 252; p. 670.
Crawford, James, Detroit, Mich., assignor, by mesne assignments, to Chalmers Motor Corporation, New York, N. Y. Door-curtain-operating-rod arrangement. No. 1,287,897; Dec. 17; v. 257; p. 489.
Crawford, James C., Los Angeles, Cal. Plant-setting machine. No. 1,252,668; Jan. 8; v. 246; p. 389.

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Crawford, James G., Belfast, and R. M. Bennett, Carryduff, Ireland. Machine for pulling flax. No. 1,257,192; Feb. 19; v. 247; p. 684.
Crawford, Jesse C., Pittsburgh, Pa. Indexing, marking, and binding device. No. 1,269,396; June 11; v. 251; p. 391.
Crawford, John F., Racine, Wis. Internal-combustion engine. No. 1,255,862; Feb. 12; v. 247; p. 257.
Crawford, Lee, Spokane, Wash. Chalk-rimmer. No. 1,265,059; May 7; v. 250; p. 53.
Crawford Manufacturing Company, The. (See Crawford, Frank, Sr., assignor.)
Crawford, McGregor and Canby Company. (See Mattern, George W., assignor.)
Crawford, Neil D., Elizabeth, N. J., assignor to Rubber Regenerating Company. Apparatus for manufacturing articles from liquid material. No. 1,272,348; July 9; v. 252; p. 481.
Crawford, Neil D., Elizabeth, N. J., assignor to New York Belting and Packing Company. Hose and making same. No. 1,280,170; Oct. 1; v. 255; p. 15.
Crawford, Samuel S., Butler, Pa. Sliding-door stop. No. 1,258,319; Mar. 5; v. 248; p. 107.
Crawford, Thomas, Bristol, England. Ambulance-stretcher vehicle. No. 1,270,383; June 25; v. 251; p. 717.
Crawford, Thomas, Anaheim, Cal., assignor to Thomas Crawford, Inc. Fruit-slicing machine. No. 1,259,213; Mar. 12; v. 248; p. 404.
Crawford, Thomas J., Ottawa, Ill. Vise. No. 1,269,262; June 11; v. 251; p. 355.
Crawford, Thomas P., Paris, Ark. Railway safety device. No. 1,279,662; Sept. 24; v. 254; p. 711.
Crawfordsville Seed Company. (See Herr, Shirl, assignor.)
Crawhall, Surtees N. (See Hawes, Mathys, and Crawhall.)
Crawley, Mansfield C., Los Angeles, Cal., assignor to Addograph Company. Type-writer and computing machine. No. 1,273,828; July 30; v. 252; p. 976.
Crawley, Thomas F., Newton, Miss. Automatic carriage-return for type-writers, line-spacers, and reverse tabulators. No. 1,251,867; Jan. 1; v. 246; p. 128.
Creagh-Osborne, Frank O., Woking, and J. Hughes, London, England. Magnetic compass. No. 1,256,442; Feb. 12; v. 247; p. 430.
Creahan, Michael F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Sheet-collating device, &c. No. 1,271,281; July 2; v. 252; p. 150.
Creamer, John F., executor. (See Van Syckle, Leonidas H.)
Creamer, John R., assignor to Vesta Manufacturing Company, Philadelphia, Pa. Water-heater. No. 1,263,861; Apr. 23; v. 249; p. 883.
Creamer, William, Baltimore, Md. Fire-extinguisher. No. 1,279,992; Sept. 24; v. 254; p. 805.
Creamer, William H., Leoma, Tenn. Insulator. No. 1,263,746; Apr. 23; v. 249; p. 851.
Creamery Package Manufacturing Company, The. (See Valerius and Larsen, assignors.)
Crear, James, Chicago, Ill. Locomotive. No. 1,264,020; Apr. 23; v. 249; p. 927.
Crecelius, Lawrence P., Cleveland, Ohio. Rail-bond. No. 1,268,328; June 4; v. 251; p. 73.
Crede, Edward. (See Wagner, Louis, assignor.)
Cree, James F., Waterford, N. Y., assignor to Cluett, Peabody & Co., Troy, N. Y. Soft fold-collar. No. 1,280,673; Oct. 8; v. 255; p. 181.
Creed, Fred A., San Francisco, Cal. Fruit-gatherer. No. 1,286,947; Dec. 10; v. 257; p. 221.
Creery, Roy V., Racine, Wis. Cycle rain-coat and cover. No. 1,270,704; June 25; v. 251; p. 804.
Cregier, Nathaniel B., Chicago, Ill. Signal system. No. 1,274,514; Aug. 6; v. 253; p. 50.
Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,261,711; Apr. 2; v. 249; p. 203.
Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,266,558; May 21; v. 250; p. 524.
Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,269,526; June 11; v. 251; p. 425.
Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Means for protecting electric systems. No. 1,273,744; July 23; v. 252; p. 915.
Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,284,609; Nov. 12; v. 256; p. 332.
Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Electric protective device. No. 1,287,244; Dec. 10; v. 257; p. 297.
Creighton, Melvin, and A. W. Dixon, Rensselaer Falls, N. Y. Forming dies for sign characters. No. 1,253,009; Jan. 8; v. 246; p. 489.
Creighton, Robert J., Carnduff, Saskatchewan, Canada. Package-tie. No. 1,265,060; May 7; v. 250; p. 53.
Crell, Albert P., Grand Rapids, Mich. Power transmission. No. 1,288,525; Dec. 24; v. 257; p. 670.
Cremean, William F., Frankfort, Ind. Brake-beam hanger. No. 1,289,401; Dec. 31; v. 257; p. 909.
Cremers, Thomas, Albany, Minn. Combination garden-tool. No. 1,266,921; May 21; v. 250; p. 626.
Cremona, Mario, New York, N. Y. Liquid-dispensing device. No. 1,256,298; Feb. 12; v. 247; p. 386.
Crenan, Joseph M. (See Culp, Jay S., assignor.)
Crenshaw, Charles W., Carterville, Mo. Faucet. No. 1,287,646; Dec. 17; v. 257; p. 425.
Crenshaw, William B., Watson, W. Va. Hat-box. No. 1,271,542; July 9; v. 252; p. 254.
Cressey, Peter A. (See Bisbee and Cressey.)
Cressler, Alfred D., Washington, D. C. Apparatus for charging and discharging gas-retorts, slots, and chamber-ovens. No. 1,278,307; Sept. 10; v. 254; p. 290.
Cressler, Joseph B., Norfolk, Va. Torpedo-guard. No. 1,267,383; May 28; v. 250; p. 781.
Cretors, Charles, Chicago, Ill. Charging mechanism for corn-popping apparatus. No. 1,279,517; Sept. 24; v. 254; p. 669.
Cretors, Charles, Chicago, Ill. Grader for popcorn apparatus. No. 1,279,518; Sept. 24; v. 254; p. 669.
Cretors, Charles, Chicago, Ill. Corn-popping apparatus. No. 1,279,663; Sept. 24; v. 254; p. 711.
Cretsinger, Louis A., Deshler, and J. A. Workman, Cleveland, Ohio. Timber-preserving composition. No. 1,276,725; Aug. 27; v. 253; p. 759.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Car-lighting system. No. 1,251,479; Jan. 1; v. 246; p. 8.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Reversible brush-holder for use with dynamos. No. 1,251,645; Jan. 1; v. 246; p. 61.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Reversible brush-holder for use with dynamos. No. 1,253,157; Jan. 8; v. 246; p. 532.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulator. No. 1,255,713; Feb. 5; v. 247; p. 173.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,265,884; May 14; v. 250; p. 308.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Brush-holder for dynamos. No. 1,276,726; Aug. 27; v. 253; p. 759.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Reversible brush-holder for use with dynamos. No. 1,276,727; Aug. 27; v. 253; p. 759.
Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,277,697; Sept. 3; v. 254; p. 102.
Crew, Joseph A., Betterton, Md. Hair-drying apparatus. No. 1,255,585; Feb. 5; v. 247; p. 137.
Crewes, Crissey J. (See Pratte, Charles A., assignor.)
Cribbis, Daniel, Detroit, Mich. Horseshoe. No. 1,287,245; Dec. 10; v. 257; p. 297.
Crichton, Leslie N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,287,647; Dec. 17; v. 257; p. 426.
Criest, Frank, Sharpsville, Pa. Walking doll. No. 1,269,056; June 11; v. 251; p. 297.
Criest, Frank, Sharpesville, Pa. Walking toy. No. 1,272,629; July 16; v. 252; p. 587.
Crigler, John M., Saybrook, Ill. Mausoleum. No. 1,286,542; Dec. 3; v. 257; p. 88.
Crilly, Daniel J. (See Craven and Crilly.)
Crilly, John W., assignor of one-half to A. Harris, Los Angeles, Cal. Convertible folding auto-table. No. 1,280,967; Oct. 8; v. 255; p. 260.
Crimaudo, Leonardo New York, N. Y. Flying-boat. No. 1,267,384; May 28; v. 250; p. 782.
Criner, Harry J., Burlington, Iowa, assignor to Hampton Planter Company. Clutch mechanism. No. 1,269,057; June 11; v. 251; p. 297.
Criner, Harry J., Burlington, Iowa, assignor to Hampton Planter Company. Seed-planter. No. 1,289,120; Dec. 31; v. 257; p. 838.
Cripe, Jacob M., Des Moines, Iowa. Airship. No. 1,289,402; Dec. 31; v. 257; p. 910.
Crippen, Arthur J., assignor to Crippen-Rase Co. Inc., Rochester, N. Y. Cabinet for phonograph-records. No. 1,267,981; May 28; v. 250; p. 949.
Crippen, George F., Ypsilanti, Mich. Machine for separating seeds. No. 1,257,320; Feb. 26; v. 247; p. 757.
Crippen, George F., Ypsilanti, Mich. Means for detachably securing gear-wheels to shafts. No. 1,262,924; Apr. 16; v. 249; p. 604.
Crippen, George F., Ypsilanti, Mich. Bearing for shafts. No. 1,262,925; Apr. 16; v. 249; p. 604.
Crippen, Henry M., assignor of two-thirds to F. Scott and H. H. Hanning, Athens, Ohio. Loose-leaf-binding machine. No. 1,255,112; Jan. 29; v. 247; p. 1174.
Crippen-Rase Co. (See Crippen, Arthur J., assignor.)
Criquebeuf, Gaston E. (See Helbronner and Criquebeuf.)
Crisfield, James A. P., assignor to The United Gas Improvement Company, Philadelphia, Pa. Gas washer-scrubber. No. 1,261,106; Apr. 2; v. 249; p. 33.
Crisman, Thomas W., and A. G. Brehm, Hastings, Nebr. Electric traffic-indicator. No. 1,285,052; Nov. 19; v. 256; p. 484.

Crismon, Kenneth A., Salt Lake City, Utah. Paste-tube holder. No. 1,270,267; June 25; v. 251; p. 684.
Crisp, Henry L., and B. T. Harrison, Jayton, Tex. Fish-screen. No. 1,269,058; June 11; v. 251; p. 298.
Crispell, Orie N., Olivebridge, N. Y. Acetylene-torch. No. 1,261,712; Apr. 2; v. 249; p. 203.
Crist, Donald L., Richwood, W. Va. Wood-sawing machine. No. 1,257,680; Feb. 26; v. 247; p. 862.
Crist, Joseph R., Hardwick, Minn. Clothes-rack. No. 1,261,363; Apr. 2; v. 249; p. 106.
Criswell, James A. E. (See Tucker and Criswell.)
Criswell, Robert G., Granite Falls, Wash. Door-hanger. No. 1,266,922; May 21; v. 250; p. 626.
Critcher, Leona J., New York, N. Y. Garment. No. 1,283,092; Oct. 29; v. 255; p. 940.
Critchley, Frederick H., Liverpool, England. Artificial limb. No. 1,283,093; Oct. 29; v. 255; p. 940.
Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Protective device for motor-compressors. No. 1,275,536; Aug. 13; v. 253; p. 359.
Critz, Frank A., Jr., West Point, Miss. Bearing for typewriter actions. No. 1,254,660; Jan. 29; v. 246; p. 1042.
Criviansky, Margaret R., Great Falls, Mont. Adjustable horse-collar. No. 1,258,198; Mar. 5; v. 248; p. 72.
Croad, John, Gosport, England. Spanner for the removal of sparking-plug valve-caps of internal-combustion engines. No. 1,270,705; June 25; v. 251; p. 804.
Croaker, Wellmonde D., Glencara, Warra via Dalby, Queensland, Australia. Envelop-moistener. No. 1,287,246; Dec. 10; v. 257; p. 297.
Crockard, Frank H., Birmingham, Ala. Producing pig-iron. No. 1,274,245; July 30; v. 252; p. 1095.
Crockenberger, Nickless, Olpe, Kans. Fly-catcher. No. 1,260,339; Mar. 26; v. 248; p. 792.
Crocker, Claudious M., Spokane, Wash., assignor of one-fourth to J. F. Pomeroy and one-fourth to G. O. Davis, Kamiah, Idaho. Rail-joint brace. No. 1,262,754; Apr. 16; p. 249; p. 556.
Crocker, Hugh, Kalamazoo, Mich. Emery-wheel attachment for meat-grinders. No. 1,286,948; Dec. 10; v. 257; p. 221.
Crockett, Ernest J., assignor, by mesne assignments, of one-half to A. M. Young and one-half to G. J. Rittenhouse, Los Angeles, Cal. Receptacle. No. 1,263,646; Apr. 23; v. 249; p. 826.
Crockett, Ernest J., assignor, by mesne assignments, of one-half to A. M. Young and one-half to G. J. Rittenhouse, Los Angeles, Cal. Making receptacles. No. 1,263,647; Apr. 23; v. 249; p. 826.
Crockett, Ernest J., assignor, by mesne assignments, of one-half to A. M. Young and one-half to G. J. Rittenhouse, Los Angeles, Cal. Receptacle-making machine. No. 1,266,772; May 21; v. 250; p. 585.
Crockett, Frank L., North Uxbridge, assignor to Whitin Machine Works, Whitinsville, Mass. Top comb for cotton-combers. No. 1,260,876; Mar. 26; v. 248; p. 947.
Crockett, Frank L., North Uxbridge, assignor to The Whitin Machine Works, Whitinsville, Mass. Comber-casing. No. 1,272,013; July 9; v. 252; p. 387.
Crockett, Frank L., assignor to The Whitin Machine Works, Whitinsville, Mass. Comber stop-motion. No. 1,287,898; Dec. 17; v. 257; p. 489.
Crockett, John T., Cartersville, Ky. Suction apparatus. No. 1,276,495; Aug. 20; v. 253; p. 658.
Crockwell, James H., Salt Lake City, Utah. Portable stove. No. 1,264,163; Apr. 30; v. 249; p. 999.
Croker, Mark V., Newton Upper Falls, Mass. Nipple. No. 1,260,152; Mar. 19; v. 248; p. 704.
Croker, Stephen G., assignor of one-half to J. H. Lyons, Cleveland, Ohio. Charging means for grease-cups. No. 1,258,876; Mar. 12; vol. 248; p. 309.
Crom, Lennie R., Swanton, Nebr. Straw-spreader. No. 1,280,674; Oct. 8; v. 255; p. 181.
Crombie, Benjamin B., Port Chester, N. Y. Platinumizing metal surfaces. No. 1,274,995; Aug. 6; v. 253; p. 186.
Cromlish, Albert L., Sharon, Pa. Manufacture of spiegel. No. 1,261,907; Apr. 9; v. 249; p. 290.
Crommett, Charles F., Chelsea, assignor to G. L. Cabot, Cambridge, Mass. Apparatus for liquefying air and separating it into its constituents. No. 1,283,472; Nov. 5; v. 256; p. 9
Crompton, Edwin, and C. L. Crooks, Pueblo, Colo. Latch. No. 1,281,143; Oct. 8; v. 255; p. 309.
Crompton, Edwin, and C. L. Crooks, Pueblo, Colo. Latch. No. 1,281,144; Oct. 8; v. 255; p. 309.
Crompton, James. (See Dalton, Daniel F., assignor.)
Crompton & Knowles Loom Works. (See Chevrette, Augustin J., assignor.)
Crompton & Knowles Loom Works. (See Crossland, George, assignor.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crompton & Knowles Loom Works. (See Hutchins and Le Doux, assignors.)
Crompton & Knowles Loom Works. (See Lauzon, Arthur, assignor.)
Crompton & Knowles Loom Works. (See McGuiness, Benjamin F., assignor.)
Crompton & Knowles Loom Works. (See Morell, Alfred F., assignor.)
Crompton & Knowles Loom Works. (See Pfeiffer, George, assignor.)
Crompton & Knowles Loom Works. (See Platt, Walter, assignor.)
Crompton & Knowles Loom Works. (See Regan, John, assignor.)
Crompton & Knowles Loom Works. (See Regan and Morell, assignors.)
Crompton & Knowles Loom Works. (See Richardson, Oscar W., assignor.)
Crompton & Knowles Loom Works. (See Robertson and Bolen, assignors.)
Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
Crompton & Knowles Loom Works. (See Wheaton, John M., assignor.)
Crompton, Lionel W. (See Ender, Crompton, and Burgert.)
Crompton, Lionel W., and E. N. Oliver, Tampa, Fla. Outlet box or fixture. No. 1,255,863; Feb. 12; v. 247; p. 257.
Crompton, Randolph, Chatham, Mass. Warp stop-motion for looms. No. 1,270,708; June 25; v. 251; p. 805.
Crompton, Randolph, Chatham, Mass. Filling-replenishing mechanism for looms. No. 1,276,180; Aug. 20; v. 253; p. 570.
Crompton, Randolph, Chatham, and W. E. Woodman, Worcester, Mass. Magazine for weft-replenishing looms. No. 1,270,707; June 25; v. 251; p. 804.
Crone, Seth A., East Orange, N. J. Brake-beam. No. 1,272,778; July 16; v. 252; p. 629.
Crone, Seth A., East Orange, N. J. Railway-brake. No. 1,272,779; July 16; v. 252; p. 629.
Croninger, Richard H., Oakwood, assignor, by mesne assignments, to The Dayton Adding Machine & Time Lock Company, Dayton, Ohio. Recording device. No. 1,263,530; Apr. 23; v. 249; p. 795.
Croninger, Richard H., Oakwood, assignor, by mesne assignments, to The Dayton Adding Machine & Time Lock Company, Dayton, Ohio. Recording device. No. 1,263,862; Apr. 23; v. 249; p. 884.
Cronk, Edwin S., Sauk Rapids, Minn. Work-handling device and support. No. 1,271,500; July 2; v. 252; p. 208.
Cronk, Harrison T., assignor to Cronk-Salter Company, New York, N. Y. Toilet-compartment. No. 1,265,619; May 7; v. 250; p. 203.
Cronk, Harrison T., assignor to Cronk-Salter Company, New York, N. Y. Flushing. No. 1,284,180; Nov. 5; v. 256; p. 195.
Cronk, Harrison T., assignor to Cronk-Salter Company, New York, N. Y. System for flushing closet-bowls. No. 1,284,181; Nov. 5; v. 256; p. 196.
Cronk-Salter Company. (See Cronk, Harrison T., assignor.)
Crook, Charles M., assignor to Stromberg Electric Company, Chicago, Ill. Secondary-clock mechanism. No. 1,280,171; Oct. 1; v. 255; p. 15.
Crook, Delbert H., San Pedro, Cal. Grade-indicator for vehicles. No. 1,251,756; Jan. 1; v. 246; p. 95.
Crook, Efton C., Lewistown, Mont. Gate-hinge. No. 1,261,713; Apr. 2; v. 249; p. 203.
Crook, Thomas J., Wichita, Kans. Hydrocarbon-burner. No. 1,262,311; Apr. 9; v. 249; p. 401.
Crooks, Charles E., Rinard, Ill. Axle-splice. No. 1,289,121; Dec. 31; v. 257; p. 839.
Crooks, Charles L. (See Crompton and Crooks.)
Crooks, Moffat, Enfield Wash, Ponders End, England. Means for launching boats from ships. No. 1,275,399; Aug. 13; v. 253; p. 322.
Crooks, Oliver, Minneapolis, Minn. Sleigh. No. 1,267,385; May 28; v. 250; p. 782.
Cropley, Oscar W., Juniata, Nebr. Grain-separator. No. 1,273,462; July 23; v. 252; p. 841.
Crosby, Benjamin F. (See Allen and Crosby.)
Crosby, Dell S., Chicago, Ill. Cheese-mold. No. 1,261,364; Apr. 2; v. 249; p. 106.
Crosby, Dell S., Chicago, Ill. Cheese-mold. No. 1,273,334; July 23; v. 252; p. 806.
Crosby, Dell S., Chicago, Ill. Cheese-mold. No. 1,273,335; July 23; v. 252; p. 806.
Crosby, Gorham, Glen Ridge, N. J., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,256,207; Feb. 12; v. 247; p. 361.
Crosby, Gorham, Glen Ridge, N. J., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,264,021; Apr. 23; v. 249; p. 928.
Crosby, Gorham, Glen Ridge, N. J., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,268,438; June 4; v. 251; p. 105.
Crosby, May T., Kansas City, Mo. Fish or fowl lifter. No. 1,263,863; Apr. 23; v. 249; p. 884.
Crosby, Oliver, assignor to American Hoist & Derrick Co., St. Paul, Minn. Rope-clip. No. 1,271,282; July 2; v. 252; p. 150.
Crosby, Oliver, assignor to American Hoist & Derrick Co., St. Paul, Minn. Rope-clip. No. 1,271,283; July 2; v. 252; p. 150.
Crosby, Oliver, St. Paul, Minn., assignor to American Hoist & Derrick Co. Rope-clamp. No. 1,271,284; July 2; v. 252; p. 150.
Crosby, Robert E. L., Jonesboro, Ark. Spike. No. 1,267,851; May 28; v. 250; p. 914.
Crosby Steam Gage & Valve Company. (See Williamson, Walter, assignor.)

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Crosley, Powel, Jr., Cincinnati, Ohio. Lamp-heater. No. 1,271,439; July 2; v. 252; p. 191.
Crosley, Powel, Jr., Cincinnati, Ohio. Flag-holder. No. 1,276,496; Aug. 20; v. 253; p. 658.
Cross, Anson K., Brookline, Mass. Drawing-tablet. No. 1,282,382; Oct. 22; v. 255; p. 718.
Cross, August, Jersey City, N. J. Multiple aerofoil construction. No. 1,270,601; June 25; v. 251; p. 778.
Cross, Charles N., Stanford University, Cal. Gas-burner. No. 1,281,300; Oct. 15; v. 255; p. 384.
Cross, Charles S., Brooklyn, N. Y., assignor to Cross Metal Products Corporation. Snap-fastener. No. 1,262,646; Apr. 16; v. 249; p. 525.
Cross, Charles S., Brooklyn, N. Y., assignor to Cross Metal Products Corporation. Snap-fastener. No. 1,288,526; Dec. 24; v. 257; p. 670.
Cross, Edmund R., Boston, Mass. Weighing-scale. No. 1,277,698; Sept. 3; v. 254; p. 102.
Cross, Francis J., Charlton, England, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing mechanism for cameras. No. 1,275,858; Aug. 13; v. 253; p. 449.
Cross, Harold, Los Angeles, Cal. Automatic discharge-valve for lavatories and the like. No. 1,287,247; Dec. 10; v. 257; p. 297.
Cross Metal Products Corporation. (See Cross, Charles S., assignor.)
Cross, Milton O., Detroit, Mich. Gear-tooth rounder. No. 1,279,278; Sept. 17; v. 254; p. 580.
Cross, Roy, Kansas City, Mo. Method in the treatment and renning of petroleum. No. 1,255,138; Feb. 5; v. 247; p. 7.
Cross, W. M. (See Hopkins, Truman P., assignor.)
Cross, William G., Olney, Tex. Boiler-cleaner. No. 1,251,480; Jan. 1; v. 246; p. 9.
Cross, William H. (See Stevenson, Ashton G., assignor.)
Crossett, Oscar B., Tomah, Wis. Butter-container. No. 1,284,610; Nov. 12; v. 256; p. 332.
Crossland, George, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Positive shuttle-motion for looms. No. 1,268,098; June 4; v. 251; p. 8.
Crossland, George O., Pleasant Lake, Ind. Fertilizing attachment for planters. No. 1,257,459; Feb. 26; v. 247; p. 797.
Crossley, Charles C., Struthers, Ohio. Door-gage. No. 1,264,371; Apr. 30; v. 249; p. 1058.
Crossley, William, assignor of one-half to C. Somers, Jr., Toronto, Ontario, Canada. Seed-planter and fertilizer. No. 1,261,216; Apr. 2; v. 249; p. 62.
Crossman, Burnham F. (See Cox, Charles E., assignor.)
Crosson, Augustine, Mounds, Ill. Pen and pencil holder. No. 1,281,299; Oct. 15; v. 255; p. 384.
Crosson, Clarence C. (See Koehler, Clinton A., assignor.)
Crosta, William, Stamford, Conn. Sash-fastener. No. 1,276,333; Aug. 20; v. 253; p. 612.
Crosti, Pietro, Milan, Italy. Steam-locomotive. No. 1,277,554; Sept. 3; v. 254; p. 60.
Crothers, William J., Toronto, Ontario, Canada. Camera. No. 1,272,227; July 9; v. 252; p. 446.
Crouch, J. W. (See Porter, Alexander W., assignor.)
Crouch, Thomas E., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 1,278,599; Sept. 10; v. 254; p. 368.
Croucher, James G., Saskatoon, Saskatchewan, Canada. Gas-generator. No. 1,258,877; Mar. 12; v. 248; p. 309.
Crouse, Charles L., Philadelphia, Pa. Game apparatus. No. 1,277,391; Sept. 3; v. 254; p. 16.
Crouse, David E. (See Eidson, Davis, and Crouse.) (Reissue.)
Crouse, Fred C., Los Angeles, Cal. Sliding-door hanger for sectional bookcases. No. 1,267,188; May 21; v. 250; p. 702.
Crouse, Henry M., and G. G. Newell, Chicago, Ill. Autographic register. No. 1,254,988; Jan. 29; v. 246; p. 1140.
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Crouse-Hinds Company. (See Bissell and Hastings, assignors.)
Crouse-Hinds Company. (See Bissell and Smith, assignors.)
Crouse-Hinds Company. (See Greaves, Edwin E., assignor.)
Crouse-Hinds Company. (See Hastings and Smith, assignors.)
Crouse-Hinds Company. (See Olley, Edwin A., assignor.)
Crouse-Hinds Company. (See Van Ranst, Samuel B., assignor.)
Crouse-Hinds Company. (See Skeel and Dossert, assignors.)
Crouse-Hinds Company. (See Smith and Dossert, assignors.)
Crowder, Raymond, Edgewood, Pa. Meter. No. 1,278,600; Sept. 10; v. 254; p. 368.
Crowdus, Walter A., Chicago, Ill. Storage battery. No. 1,269,162; June 11; v. 251; p. 326.
Crowe, Frederic C., and B. H. De Haven, Pittsburgh, Pa. Cork-puller. No. 1,275,228; Aug. 13; v. 253; p. 275
Crowe, Frederick C., Yakima, Wash. Fruit-drier. No. 1,287,899; Dec. 17; v. 257; p. 490.
Crowe, Frederick C., North Yakima, Wash., assignor to H. W. Coolidge, Chicago, Ill. Hydraulic ram. No. 1,285,629; Nov. 26; v. 256; p. 669.
Crowe, James, Philadelphia, Pa. Fluid-controlling mechanism. No. 1,267,982; May 28; v. 250; p. 949.
Crowe, John M., Covington, Ky., assignor to The Columbia Manufacturing Company, Cincinnati, Ohio. Sled. No. 1,264,490; Apr. 30; v. 249; p. 1091.
Crowe, Paul L., New York, N. Y. Stoker-bridge. No. 1,262,647; Apr. 16; v. 249; p. 525.
Crowe, Paul L., New York, N. Y. Stoker-bridge. No. 1,264,902; May 7; v. 250; p. 8.
Crowe, Paul L., Jersey City, N. J., and A. Frankenheim, New York, N. Y. Sprocket-wheel. No. 1,278,861; Sept. 17; v. 254; p. 468.
Crowe, Paul L., Jersey City, N. J., and A. Frankenheim, New York, N. Y. Chain grate. No. 1,281,525; Oct. 15; v. 255; p. 447.
Crowe, Thomas. (See Sharples and Crowe.)
Crowe, Thomas B., Victor, Colo., assignor to Merrill Metallurgical Company, San Francisco, Cal. Process of and apparatus for precipitating materials from solutions. No. 1,281,249; Oct. 8; v. 255; p. 340.
Crowe, William L., Bethel, assignor of one-half to C. E. Griffing and one-half to A. N. Griffing, Danbury, Conn. Barrel. No. 1,255,392; Feb. 5; v. 247; p. 81.
Crowell, Charles F. (See Hall, Alfred, assignor.)
Crowell, Charles H., Brooklyn, N. Y. Power moistening-machine. No. 1,267,517; May 28; v. 250; p. 818.
Crowell, Charles H., Brooklyn, N. Y. Manual tape-moistening machine. No. 1,276,728; Aug. 27; v. 253; p. 759.
Crowell, Charles H., Brooklyn, N. Y. Transverse-delivery gummed-strip severing and moistening machine. No. 1,276,729; Aug. 27; v. 253; p. 760.
Crowell, Charles H., Brooklyn, N. Y. Making cloth-gummed tape. No. 1,276,730; Aug. 27; v. 253; p. 760.
Crowell, Charles H., Brooklyn, N. Y. Cloth-gummed tape and process of making same. No. 1,276,731; Aug. 27; v. 253; p. 760.
Crowell, Charles H., Brooklyn, N. Y. Manually-operated tape-moistening machine. No. 1,288,388; Dec. 17; v. 257; p. 608.
Crowell, Charles W., Salisbury, N. C. Steam-boiler and appliances. No. 1,270,017; June 18; v. 251; p. 593.
Crowell, Clarence E., assignor of one-half to E. L. Le Butt, Portland, Me. Life-saving skirt. No. 1,262,458; Apr. 9; v. 249; p. 442.
Crowell, John E., Union county, N. C. Manual tension-meter. No. 1,277,874; Sept. 3; v. 254; p. 150.
Crowell, John H., Tisbury, Mass. Implement for opening bottles. No. 1,262,178; Apr. 9; v. 249; p. 365.
Crowell, William D., St. Louis, Mo. Back-draft shield for vehicles. No. 1,275,400; Aug. 13; v. 253; p. 323.
Crowell, William L., Danielson, Conn. Place-holder for books. No. 1,273,038; July 16; v. 252; p. 702.
Crowl, Charles, assignor to National Tire & Rubber Company, East Palestine, Ohio. Tire-support. No. 1,286,241; Dec. 3; v. 257; p. 14.
Crowley, Harold M., Tuckerton, N. J. Vehicle-wheel. No. 1,272,920; July 16; v. 252; p. 670.
Crowley, James J., and U. I. Rosenthal, Montreal, Quebec, Canada. Mattress. No. 1,271,672; July 9; v. 252; p. 291.
Crowley, John W., Jr., Chicago, Ill. Clutch. No. 1,255,864; Feb. 12; v. 247; p. 257.
Crown Cork and Seal Company of Baltimore City, The. (See Carper, Albert A., assignor.)
Crown Cork and Seal Company of Baltimore City, The. (See Keller, George M., assignor.)
Crown Optical Company. (See Mihalyi, Frank, assignor.)
Crown Optical Company. (See Reisinger, George, assignor.)
Crown Optical Company. (See Schleinzer, John, assignor.)
Crown Optical Company. (See Stout, Charles H., assignor.)
Crown Suspender Company. (See Bloomberg, Casper, assignor.)
Crown Tire & Rubber Company. (See Cloyd, Oliver H., assignor.)
Crown Willamette Paper Company. (See Weaver, Truman B., assignor.)
Crownfield, David, Cambridge, Mass. Lighting-fixture. No. 1,263,531; Apr. 23; v. 249; p. 795.
Crownfield, David, Cambridge, Mass. Lighting-fixture. No. 1,265,885; May 14; v. 250; p. 308.
Crownfield, David, Cambridge, Mass. Light-distributing device. No. 1,270,268; June 25; v. 251; p. 685.
Crowther, Henry M., Kingman, Ariz. Rotary-valve gas-engine. No. 1,272,630; July 16; v. 252; p. 587.
Croxton, Alvyn L., Bremerton, Wash. Reflecting apparatus. No. 1,256,522; Feb. 19; v. 247; p. 489.
Croy, Frank E., Watauga, Tenn. Sash-lock. No. 1,252,405; Jan. 8; v. 246; p. 312.
Croyl, Joseph R., Altoona, Pa. Folding cultivator. No. 1,275,401; Aug. 13; v. 253; p. 323.
Crozier, Arthur A., London, England. Pneumatic tire for the wheels of motor-cars and other vehicles. No. 1,280,412; Oct. 1; v. 255; p. 83.
Crozier, Michael A., assignor to Frank A. Weeks Mfg. Co., New York, N. Y. Ink-well cover. No. 1,274,246; July 30; v. 252; p. 1095.
Cru Patents Corporation. (See Wenderhold, William, assignor.)
Cruchelow, James B., Albia, Iowa. Fastening device. No. 1,278,862; Sept. 17; v. 254; p. 468.

Cruess, William V., Berkeley, Cal., dedicated by mesne assignments, to the Government of the United States. Pickling olives. No. 1,257,584; Feb. 26; v. 247; p. 835.
Cruikshank, James W., assignor to J. W. Cruikshank Engineering Company, Pittsburgh, Pa. Furnace-pot-filling apparatus. No. 1,261,714; Apr. 2; v. 249; p. 204.
Cruise, James H., Earlville, Ill. Convertible hay-rack. No. 1,281,145; Oct. 8; v. 255; p. 310.
Cruiser Motor Car Company. (See Jones, Russell G., assignor.)
Crum, J. Corwin, Scott City, Kans. Head-block for switch-stands. No. 1,254,989; Jan. 29; v. 246; p. 1140.
Crum, Lyman G., Jamestown, N. D. Gripping means for job-presses. No. 1,251,868; Jan. 1; v. 246; p. 128.
Crump, Armistead C., New York, N. Y. Paste-tube. No. 1,266,413; May 14; v. 250; p. 453.
Crump, Armistead C., New York, N. Y. Transparent collapsible bottle or other container. No. 1,272,921; July 16; v. 252; p. 671.
Crumpton, Enoch M., Bryson, Tex. Incubator. No. 1,284,611; Nov. 12; v. 256; p. 332.
Cruse, Howard E. (See Upton, Fisher, and Wolf, assignors.)
Cruse, Robert P. (See Burns, Thomas F., assignor.)
Cruse, Samuel D., Louisville Ky. Waste-reclaimer. No. 1,283,094; Oct. 29; v. 255; p. 941.
Cruser, Frederick V., Oswego, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Treating kelp char, &c. No. 1,258,320; Mar. 5; v. 248; p. 107.
Cruser, Frederick V., Oswego, and O. Z. Howard, New York, N. Y., assignors to The Diamond Match Company, Chicago, Ill. Apparatus for treating kelp char, &c. No. 1,258,321; Mar. 5; v. 248; p. 108.
Crusius, Arthur A., New York, N. Y. Auxiliary inlet-valve for internal-combustion engines. No. 1,278,863; Sept. 17; v. 254; p. 468.
Cruttenden, Henry L., Northfield, Minn. Dental-cement-injecting tube. No. 1,279,664; Sept. 24; v. 254; p. 712.
Cruzen, Carl B., Havre, Mont. Airless inner tube. No. 1,287,248; Dec. 10; v. 257; p. 298.
Crystal Alloys Corporation. (See Hyers, Louis, assignor.)
Crystal Percolator Company. (See Bleichrode, Jacob B., assignor.)
Csanyi, Henry, New York, N. Y. Secondary battery. No. 1,279,279; Sept. 17; v. 254; p. 581.
Csanyi, Henry, New York, N. Y. Secondary-battery cell. No. 1,279,280; Sept. 17; v. 254; p. 581.
Cubiac, Michael F., assignor for forty-eight one-hundredths to J. A. Swanson, Detroit, Mich. Clothes-line holder and fastener. No. 1,265,620; May 7; v. 250; p. 203.
Cudahy Refining Company. (See Thiele, Felix C., assignor.)
Cudd, Simeon S., Union, S. C. Fireplace. No. 1,261,774; Apr. 9; v. 249; p. 254.
Cuddigan, Bartholomew O., Wadena, Minn. Potato-cutting machine. No. 1,273,039; July 16; v. 252; p. 702.
Cuddigan, Bartholomew O., Wadena, Minn. Potato-loader. No. 1,273,040; July 16; v. 252; p. 703.
Cuddy, Michael E., Waterville, Me. Fire-extinguisher. No. 1,261,715; Apr. 2; v. 249; p. 204.
Cudlipp, George R., Los Angeles, Cal. Talking-machine table. No. 1,284,249; Nov. 12; v. 256; p. 241.
Cudmore, Thomas V., Austin, Minn. Valve-grinding machine. No. 1,252,406; Jan. 8; v. 246; p. 312.
Cudney, Andrew B. (See Estey and Cudney.)
Culbertson, E. Estay, assignor of one-fiftieth to C. J. A. Wardwell, Detroit, Mich. Universal joint. No. 1,285,053; Nov. 19; v. 256; p. 484.
Culbertson, James S., Baker, Oreg. Ditch or drain forming implement. No. 1,258,749; Mar. 12; v. 248; p. 271.
Cull, George T., Wickliffe, Ky. Package-tie. No. 1,254,206; Jan. 22; v. 246; p. 884.
Cull, John, *et al.* (See Haynes and Garvin, assignors.)
Cullen, Dennis F., and G. T. Martin, Woonsocket, R. I. Cracker receptacle. No. 1,280,413; Oct. 1; v. 255; p. 83.
Cullen, Ernest E., Anchorville, Mich., assignor of one-half to G. E. Vernier, Fair Haven, Mich. Can utensil. No. 1,280,675; Oct. 8; v. 255; p. 181.
Cullen, Frederick T., assignor of one-half to J. F. Cullen, Petaluma, Cal. Gas-saver and carbon-decomposer. No. 1,266,216; May 14; v. 250; p. 402.
Cullen, John A. (See Cameron, Cullen, and Hyde.)
Cullen, John F. (See Cullen, Frederick T., assignor.)
Cullen, John F., Charlestown, Mass. Automatic horse-feeding attachment. No. 1,257,681; Feb. 26; v. 247; p. 862.
Cullen, Joseph F., Midvale, Utah, assignor to United States Smelting, Refining & Mining Company. Manufacture of sulfuric acid. No. 1,278,308; Sept. 10; v. 254; p. 291.
Cullen, William J., assignor to Detroit Can Company, Detroit, Mich. Machine for applying paper ends to paper can-bodies. No. 1,254,207; Jan. 22; v. 246; p. 884.
Culligan, Charles A., Penniac, New Brunswick, Canada. Insulator-protector. No. 1,280,172; Oct. 1; v. 255; p. 15.
Cullin, Jasper F., Detroit, Mich. Soldering-tool. No. 1,286,242; Dec. 3; v. 257; p. 15.
Culling, Merritt A., assignor to F. W. Buffum, Louisiana, Mo. Air-brake for railway-trains. No. 1,276,036; Aug. 20; v. 253; p. 529.
Culman, Carl, Maplewood, Mo. Jewel-setting tool. No. 1,261,716; Apr. 2; v. 249; p. 204.
Culman, Carl, St. Louis, Mo. Tweezers. No. 1,284,060; Nov. 5; v. 256; p. 164.
Culp, Jay S., assignor of one-half to J. M. Crenan, Youngstown, Ohio. Pressed-steel vehicle-wheel. No. 1,285,630; Nov. 26; v. 256; p. 669.
Culp, Samuel T., Littleton, Colo. Automobile-tire pump. No. 1,289,064; Dec. 24; v. 257; p. 800.
Culter & Proctor Stove Co. (See Cooley, Proctor P., assignor.)
Culver, Arthur C., Detroit, Mich. Driving mechanism. No. 1,285,631; Nov. 26; v. 256; p. 669.
Culver, George W. (See Culver, Lewis O., assignor.)
Culver, Irwin G., New York, N. Y. Adjustable coupling for wax figures. No. 1,254,313; Jan. 22; v. 246; p. 915.
Culver, Lewis H., Chicago, Ill. Hat-leash. No. 1,260,340; Mar. 26; v. 248; p. 792.
Culver, Lewis O., assignor of one-third to G. W. Culver, Fortyfort, Pa. Bottle-closure. No. 1,259,606; Mar. 19; v. 248; p. 547.
Culver, Lewis O., assignor of one-third to G. W. Culver, Fortyfort, Pa. Bottle-stopper. No. 1,268,936; June 11; v. 251; p. 263.
Culver, William, Sioux City, Iowa, assignor of one-half to W. H. Kirchman, Wahoo, Nebr. Dirigible balloon. No. 1,276,497; Aug. 20; v. 253; p. 659.
Cumfer, Harry A., and O. D. McFarland, assignors to Guyton & Cumfer Manufacturing Company, Chicago, Ill. Shingle-strip-making machine. No. 1,257,321; Feb. 26; v. 247; p. 758.
Cumfer, Harry A., and O. D. McFarland, assignors to Guyton & Cumfer Manufacturing Company, Chicago, Ill. Making composition shingle-strips. No. 1,276,881; Aug. 27; v. 253; p. 799.
Cumming, John F., Worcester, Mass. Saw-guide. No. 1,280,414; Oct. 1; v. 255; p. 84.
Cummings, Carlos E., assignor to Eastern Tanners Glue Co., Gowanda, N. Y. Treating waste waters. No. 1,263,532; Apr. 23; v. 249; p. 795.
Cummings, Charles J., Tully, N. Y. Potato-harvester. No. 1,285,632; Nov. 26; v. 256; p. 669.
Cummings, Charles J., Tulley, N. Y. Vine-removing mechanism for potato-diggers. No. 1,285,633; Nov. 26; v. 256; p. 670.
Cummings, Daniel J., New Haven, assignor of one-third to P. S. Armstrong, Westville, and one-third to E. Gouin, New Haven, Conn. Traffic-signal. No. 1,252,244; Jan. 1; v. 246; p. 232.
Cummings, George W., Morgantown, W. Va. Draft-preventer or weather-strip. No. 1,278,601; Sept. 10; v. 254; p. 368.
Cummings, Henry H., Newton, Mass. Air-screen. No. 1,279,993; Sept. 24; v. 254; p. 805.
Cummings, Herbert K., West Boylston, and L. Thompson, Worcestor, Mass. Focusing device for cameras. No. 1,258,398; Mar. 5; v. 248; p. 130.
Cummings, Irvin W., Minneapolis, Minn. Open-tank-heating system. No. 1,274,011; July 30; v. 252; p. 1027.
Cummings, John A., assignor to Lightning Seed Cutter Company, Bangor, Me. Feed-table. No. 1,263,648; Apr. 23; v. 249; p. 826.
Cummings, John A., assignor to Lightning Seed Cutter Company, Bangor, Me. Treadle mechanism. No. 1,263,649; Apr. 23; v. 249; p. 826.
Cummings, Lincoln C., Brookline, Mass. Non-skid tire-protector. No. 1,285,634; Nov. 26; v. 256; p. 670.
Cummings, Robert A., Pittsburgh, Pa. Constructing reinforced-concrete hulls for boats, &c. No. 1,276,624; Aug. 20; v. 253; p. 694.
Cummings, Robert A., Pittsburgh, Pa. Constructing reinforced-concrete hulls for boats, &c. No. 1,278,111; Sept. 10; v. 254; p. 238.
Cummings, Rolla, Teedee, Mont. Gate-fastener. No. 1,261,365; Apr. 2; v. 245; p. 107.
Cummings, Willard N., Los Angeles, Cal. Rotary pump. No. 1,273,041; July 16; v. 252; p. 703.
Cummins, Charles F., Spokane, Wash., assignor of one-half to E. James, Plummer, Idaho. Snap-hook. No. 1,282,049; Oct. 22; v. 255; p. 626.
Cummins, Edward W., Harrisburg, Ill. Clamp. No. 1,256,208; Feb. 12; v. 247; p. 361.
Cummins, Norman W., assignor to The Bassick Co., Bridgeport, Conn. Lubricator. No. 1,269,685; June 18; v. 251; p. 501.
Cummiskey, Francis A., St. Louis, Mo. Toy. No. 1,283,095; Oct. 29; v. 255; p. 941.
Cumpston, Edward H., Jr., assignor to Todd Protectograph Company, Rochester, N. Y. Check-writer. No. 1,252,787; Jan. 8; v. 246; p. 423.
Cumpston, Frederick B., Blooming Groove, Tex. Tubeless tire and rim and lock therefor. No. 1,282,197; Oct. 22; v. 255; p. 667.
Cunard, Frederic W., Liverpool, England. Portable redoubt for military use. No. 1,262,926; Apr. 16; v. 249; p. 605.
Cunniff, Edward A., New Bedford, and J. V. Cunniff, Fall River, assignors to J. K. Lanning, Boston, Mass. Thread-parting mechanism for looms. No. 1,258,656; Mar. 12; v. 248; p. 245.
Cunniff, John V. (See Cunniff, Edward A. and J. V.)
Cunningham, Andrew O., St. Louis county, Mo. Protecting shores. No. 1,275,859; Aug. 13; v. 253; p. 449.

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Cunningham, Andrew O., St. Louis county, Mo. Mattress for shore protection. No. 1,275,860; Aug. 13; v. 253; p. 449.
Cunningham, Charles G., New York, N. Y. Universal joint for steam, gas, or other pipes. No. 1,284,612; Nov. 12; v. 256; p. 333.
Cunningham, Emaline B. (See Cunningham, Martin J., assignor.)
Cunningham, George O., *et al.* (See Shahan, John L., assignor.)
Cunningham, George T., *et al.* (See Marlin, Isaac U., assignor.)
Cunningham, George T., Shreveport, La. Blow-torch. No. 1,265,621; May 7; v. 250; p. 203.
Cunningham, Henry E. (See Payne and Cunningham.)
Cunningham, James E., Worcester, Mass. Automobile-lock. No. 1,257,322; Feb. 26; v. 247; p. 758.
Cunningham, James J., Buffalo, N. Y. Headlight chimney-holder. No. 1,263,310; Apr. 16; v. 249; p. 711.
Cunningham, John, *et al.* (See Stadel, John M., assignor.)
Cunningham, John, Wilkes-Barre, Pa. Darning-bulb. No. 1,261,491; Apr. 2; v. 249; p. 141.
Cunningham, John J., Wingham, Ontario, Canada. Coal-range. No. 1,263,864; Apr. 23; v. 249; p. 884.
Cunningham, Joseph, South Bethlehem, Pa. Mail-carrier. No. 1,260,877; Mar. 26; v. 248; p. 947.
Cunningham, Louis T., *et al.* (See Marlin, Isaac U., assignor.)
Cunningham, Martin J., assignor of one-half to E. B. Cunningham, Springfield, Mo. Lock-valve. No. 1,275,135; Aug. 6; v. 253; p. 224.
Cunningham, Norval, Pennsboro, W. Va. Envelop-opener. No. 1,254,208; Jan. 22; v. 246; p. 884.
Cunningham, Norval, Pennsboro, W. Va. Package-tie. No. 1,268,937; June 11; v. 251; p. 263.
Cunningham, Peter J., Jarbidge, Nev. Door-latch. No. 1,265,886; May 14; v. 250; p. 309.
Cunningham, Samuel, Watertown, S. D. Crank-lock for automobiles. No. 1,256,663; Feb. 19; v. 247; p. 530.
Cunningham, William A. (See Bach and Cunningham.)
Cunningham, William J., Toledo, Ohio, assignor of one-half to F. G. Meyer, Detroit, Mich. Spark-intensifier. No. 1,278,441; Sept. 10; v. 254; p. 324.
Cunnyngham, John R., Chattanooga, Tenn. Bag-filling apparatus. No. 1,257,816; Feb. 26; v. 247; p. 903.
Cureton, Allen B., assignor to Pueblo Wire Stretcher Manufacturing Company, Pueblo, Colo. Pulling implement. No. 1,289,403; Dec. 31; v. 257; p. 910.
Curin, Joseph, Chicago, Ill. Coin-card. No. 1,286,543; Dec. 3; v. 257; p. 89.
Curle, Charles W., San Francisco, Cal. Type-line stick. No. 1,272,631; July 16; v. 252; p. 588.
Curle, George L., Minneapolis, Minn. Slug-sawing attachment for linotype-machines. No. 1,287,900; Dec. 17; v. 257; p. 490.
Curley, Kate M., Ogalalla, Nebr. Clothes-pin. No. 1,281,913; Oct. 15; v. 255; p. 550.
Curmutt, John Z., *et al.* (See Gearhart and Lloyd, assignors.)
Curnan, Frank W. (See Smith and Curnan.)
Curnutt, John Z. (See Lloyd and Curnutt.)
Curran, Edward F., North Bend, Nebr. Wind-shield. No. 1,266,217; May 14; v. 250; p. 402.
Curran, Frank J. M., assignor to Grand Rapids Refrigerator Co., Grand Rapids, Mich. Refrigerator construction. No. 1,274,389; Aug. 6; v. 253; p. 12.
Curran, George E., Boston, and A. B. Craig, Somerville, Mass. Hoisting apparatus. No. 1,261,775; Apr. 9; v. 249; p. 255.
Curran, John J., Augusta, Kans. Pressure-still. No. 1,255,714; Feb. 5; v. 247; p. 173.
Curran, John W., Newport, Ky. Waste-container. No. 1,276,498; Aug. 20; v. 253; p. 659.
Curran, William, assignor of one-half to P. F. Tremblay, Lewiston, Me. Picker-stick check. No. 1,286,544; Dec. 3; v. 257; p. 89.
Current-Saving Electric Sign Company, The. (See Williams, Joseph G., assignor.)
Currey, Arthur L., Chicago, Ill. Bottle-stopper. No. 1,278,112; Sept. 10; v. 254; p. 238.
Currey, Danniel M., Chicago, Ill. Sled. No. 1,288,843; Dec. 24; v. 257; p. 746.
Currey, Enos P., Toledo, Oreg. Vehicle-spring. No. 1,265,622; May 7; v. 250; p. 204.
Currey, Enos P., Toledo, Oreg. Spring connection. No. 1,265,623; May 7; v. 250; p. 204.
Currey, Enos P., Toledo, Oreg. Spring. No. 1,280,415; Oct. 1; v. 255; p. 84.
Currey, Herschel E., Baker, Oreg. Burner. No. 1,252,552; Jan. 8; v. 246; p. 356.
Currie, Adam, Chicago, Ill., assignor to Koehring Machine Company, Milwaukee, Wis. Grading, separating, and loading machine. No. 1,287,648; Dec. 17; v. 257; p. 426.
Currie, Alexander, Yonkers, N. Y. Dust-guard for car-axle boxes. No. 1,286,949; Dec. 10; v. 257; p. 221.
Currie, Alexander, Yonkers, N. Y. Dust-guard for car-axle boxes. No. 1,289,044; Dec. 24; v. 257; p. 795.
Currie, John A., Toronto, Ontario, Canada. Apparatus for the fixation of nitrogen. No. 1,263,533; Apr. 23; v. 249; p. 795.
Currie, Neil, Jr., Pittsfield, Mass., assignor to General Electric Company. Winding for electric motors. No. 1,257,193; Feb. 19; v. 247; p. 684.
Currie, Otis C., and W. A. Gruenberg, Detroit, assignors to W. O. Albig, Adrian, Mich. Folding-machine. No. 1,266,218; May 14; v. 250; p. 402.
Currier, Andrew E. (See Wyman and Currier.)
Currier, Arthur L., Newton, assignor to The J. W. Moore Machine Company, Boston, Mass. Button-card and lock-loop stitch for fastening buttons. No. 1,260,517; Mar. 26; v. 248; p. 844.
Currier, Arthur L., Newton, assignor to The J. W. Moore Machine Company, Boston, Mass. Mechanism for feeding eyelets and the like. No. 1,260,518; Mar. 26; v. 248; p. 845.
Currier, Arthur L., Newton Highlands, assignor to The J. W. Moore Machine Company, Boston, Mass. Button-card and independent lock-stitch therefor. No. 1,260,519; Mar. 26; v. 248; p. 845.
Currier, Harry C., Minneapolis, Minn. Stationery-file. No. 1,252,092; Jan. 1; v. 246; p. 191.
Currier, Henry C., Rumford, Me. Snubbing-machine. No. 1,273,745; July 23; v. 252; p. 915.
Currier, Hiram D., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Call-answering meter for cord-circuits. No. 1,251,967; Jan. 1; v. 246; p. 155.
Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Repeating coil. No. 1,278,864; Sept. 17; v. 254; p. 469.
Currier, Hiram D., assignor to Kellogg Switchboard and Supply Co., Chicago, Ill. Trunk-circuit. No. 1,283,400; Oct. 29; v. 255; p. 1021.
Currier, Hiram D., and M. B. Stazak, assignors to Kellogg Switchboard & Supply Company, Chicago, Ill. Automatic ringing system. No. 1,276,037; Aug. 20; v. 253; p. 529.
Currier, Hiram D., R. I. Utter, and M. B. Stazak, assignors to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 1,261,492; Apr. 2; v. 249; p. 141.
Currier, Oliver D., Crown Point, N. Y. Sanitary seat-cover. No. 1,254,029; Jan. 22; v. 246; p. 833.
Currivan, John F., Brooklyn, assignor of thirty one-hundredths to J. H. Stannard, New York, N. Y. Loading appliance for vehicles. No. 1,288,844; Dec. 24; v. 257; p. 746.
Curry, Frank, and A. F. Lewis, assignors of one-half to W. E. Mouck, Santa Barbara, Cal. Molding-machine. No. 1,267,189; May 21; v. 250; p. 702.
Curry, Malcolm, Holyoke, Mass., assignor to American Thread Company, Jersey City, N. J. Means for controlling humidifying systems. No. 1,282,763; Oct. 29; v. 255; p. 848.
Curry, William J., Vancouver, British Columbia, Canada. Artificial-tooth fastening. No. 1,263,311; Apr. 16; v. 249; p. 711.
Curtain, Andrew F., Medford, Mass. Flushing-valve. No. 1,270,018; June 18; v. 251; p. 593.
Curtin, Andrew F., Medford, Mass. Flushing-valve for water-closets. No. 1,263,534; Apr. 23; v. 249; p. 795.
Curtin, Andrew F., Medford, Mass. Flushing-valve for water-closets. No. 1,283,473; Nov. 5; v. 256; p. 9.
Curtin, Andrew F., Medford, Mass. Flushing-valve for water-closets. No. 1,285,055; Nov. 19; v. 256; p. 484.
Curtin, David F., Chicago, Ill. Cup or container. No. 1,260,520; Mar. 26; v. 248; p. 845.
Curtin, David F., Chicago, Ill. Holder for soda-cups and the like. No. 1,280,416; Oct. 1; v. 255; p. 84.
Curtis, Arlo A., Menomonie, assignor of one-fifth to V. Curtis, Fall City, Wis. Cabinet-latch. No. 1,262,459; Apr. 9; v. 249; p. 442.
Curtis, Arthur R., Cleveland, Ohio. Glove-cleaning machine. No. 1,255,515; Feb. 5; v. 247; p. 116.
Curtis, Belle L., Birmingham, Ala. Puzzle. No. 1,289,681; Dec. 31; v. 257; p. 977.
Curtis, Clyde C., and H. J. Sackett, Anacortes, Wash. Fish-dressing machine. No. 1,275,229; Aug. 13; v. 253; p. 275.
Curtis, Edma H., Jr., Norwood, assignor to The Nivison-Weiskopf Company, Reading, Ohio. Machine element. No. 1,263,042; Apr. 16; v. 249; p. 637.
Curtis, Edma H., Jr., Norwood, assignor to The Nivison-Weiskopf Company, Reading, Ohio. Conveyer. No. 1,263,043; Apr. 16; v. 249; p. 637.
Curtis, George L., New York, N. Y. Image-reflector. No. 1,260,341; Mar. 26; v. 248; p. 792.
Curtis, George V., Springfield, Mass. Universal joint. No. 1,267,852; May 28; v. 250; p. 914.
Curtis, Henry E., Dayton, Ohio, assignor to The B. F. Goodrich Company. Calipers. No. 1,281,526; Oct. 15; v. 255; p. 447.
Curtis, Henry H., assignor to C. & P. Electric Works, Springfield, Mass. Metering-panel. No. 1,265,998; May 14; v. 250; p. 340.
Curtis, James F., Pitcairn, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,259,368; Mar. 12; v. 248; p. 448.
Curtis, James F., Pitcairn, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,267,983; May 28; v. 250; p. 950.
Curtis, James F., Pitcairn, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,278,865; Sept. 17; v. 254; p. 469.

Curtis, James J., Chicago, Ill Whistle. No. 1,283,683; Nov. 5; v. 256; p. 64.
Curtis, Jeremiah J., Wollaston, Mass. Trap. No. 1,282,544; Oct. 22; v. 255; p. 761.
Curtis, Jesse T., Bement, Ill., assignor of one-half to F. L. McClure, Sebring, Ohio. Engine-valve. No. 1,273,585; July 23; v. 252; p. 874.
Curtis, Kenneth L., assignor to Albert and J. M. Anderson Manufacturing Company, Boston, Mass. Rewinding mechanism for spring-motors. No. 1,289,682; Dec. 31; v. 257; p. 977.
Curtis, Leslie F. (See Magnusson and Curtis.)
Curtis & Marble Machine Company. (See Broman, John, assignor.)
Curtis, Verne. (See Curtis, Arlo A., assignor.)
Curtis, William J., assignor to National Adjustable Bed and Spring Company, Wilmington, Del. Adjustable bed and locking means therefor. No. 1,277,198; Aug. 27; v. 253; p. 885.
Curtis, William W., Willis, Tex. Combination plow and pulverizer. No. 1,276,334; Aug. 20; v. 253; p. 612.
Curtiss Aeroplane & Motor Corporation. (See Burgess, William S., assignor.)
Curtiss Aeroplane and Motor Corporation. (See Curtiss, Glenn H., assignor.)
Curtiss Aeroplane and Motor Corporation. (See Kirkham, Charles B., assignor.)
Curtiss Aeroplane and Motor Corporation. (See Kleckler, Henry, assignor.)
Curtiss Aeroplane and Motor Corporation. (See Kleckler and MacGregor, assignors.)
Curtiss Aeroplane and Motor Corporation. (See Tarbox, John P., assignor.)
Curtiss Aeroplane and Motor Corporation. (See Zimmermann, Paul G., assignor.)
Curtiss, Clara B., San Francisco, Cal. Hand-rubber. No. 1,262,024; Apr. 9; v. 249; p. 321.
Curtiss, Glenn H., assignor to The Curtiss Motor Company, Hammondsport, N. Y. Hydroaeroplane-boat. No. 1,256,878; Feb. 19; v. 247; p. 594.
Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Hydroaeroplane-pontoon. No. 1,269,397; June 11; v. 251; p. 391.
Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Convertible running-gear. No. 1,269,570; June 11; v. 251; p. 437.
Curtiss, Glenn H., Buffalo, N. Y., assignor to The Curtiss Aeroplane and Motor Corporation. Flying-boat cruiser. No. 1,283,684; Nov. 5; v. 256; p. 65.
Curtiss, Glenn H., Hammondsport, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Valve-operating system. No. 1,284,250; Nov. 12; v. 256; p. 241.
Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Tilting-wing flying-boat. No. 1,287,249; Dec. 10; v. 257; p. 298.
Curtiss, Glenn H., assignor to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Flying-boat. No. 1,289,683; Dec. 31; v. 257; p. 977.
Curtiss Motor Company, The. (See Curtiss, Glenn H., assignor.)
Curtiss, Richard S., Pasadena, Cal. Garment-support. No. 1,266,219; May 14; v. 250; p. 403.
Curtner, Grover C., New York, N. Y. Tire-chain tightener and lock. No. 1,277,296; Aug. 27; v. 253; p. 908.
Cusack, Harold, assignor to The Thomas Cusack Company Chicago, Ill. Head-plate for sign-boards. No. 1,256,523; Feb. 19; v. 247; p. 489.
Cusanelli, Martin, Woodside, N. Y. Piano-seat attachment. No. 1,265,999; May 14; v. 250; p. 340.
Cushen, George, Hamilton, Ontario, Canada. Machine for treating food products. No. 1,264,372; Apr. 30; v. 249; p. 1058.
Cushing, Bruce L., Buffalo, N. Y. Hygrostat. No. 1,282,196; Oct. 22; v. 255; p. 667.
Cushing, Bruce L., Buffalo, N. Y. Quantity-stop for measuring-pumps. No. 1,289,684; Dec. 31; v. 257; p. 978.
Cushing, Richard L., Tiskilwa, Ill. Metal fence-post. No. 1,252,245; Jan. 1; v. 246; p. 232.
Cushing, William T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical insulation. No. 1,255,139; Feb. 5; v. 247; p. 8.
Cushman & Denison Manufacturing Co., The. (See Alsenz, Julius, assignor.)
Cushman, Everett B., Lincoln, Nebr. Water-cooler for engines. No. 1,289,404; Dec. 31; v. 257; p. 910.
Cushman, Lucian W., St. Joseph, Mo. Pressure-regulator. No. 1,257,460; Feb. 26; v. 247; p. 797.
Custer, Dwight W., assignor to M. R. Custer, New York, N. Y. Garment-stretcher. No. 1,279,281; Sept. 17; v. 254; p. 581.
Custer, Eugene I., Plainview, Nebr., assignor of two-fifths to A. Jensen, Rodney, Iowa. Automobile-axle-securing means. No. 1,288,527; Dec. 24; v. 257; p. 670.
Custer, Mattie R. (See Custer, Dwight W., assignor.)
Custer, Walter, Hill City, Kans. Shovel. No. 1,287,901; Dec. 17; v. 257; p. 490.
Cuthbert, John, Chicago, Ill. Electric terminal. No. 1,258,657; Mar. 12; v. 248; p. 246.
Cuthbert, John W., assignor of one-fourth to C. M. Bump and one-fourth to B. L. Bump, Bay City, Mich. Game apparatus. No. 1,251,481; Jan. 1; v. 246; p. 9.
Cutler, Clarence B., Schodack, assignor to Cutler Mail Chute Company, Rochester, N. Y. Wall-tie. No. 1,280,173; Oct. 1; v. 255; p. 15.
Cutler, Clifford A., Buffalo, N. Y. Hardening varnish. No. 1,283,685; Nov. 5; v. 256; p. 65.
Cutler, George E., Mount Vernon, N. Y., and B. L. Monesmith, Cresco, Iowa. Shock-absorber. No. 1,289,122; Dec. 31; v. 257; p. 839.
Cutler-Hammer Mfg. Co., The. (See Arnold and Date, assignors.)
Cutler-Hammer Mfg. Co., The. (See Barnum, Thomas E., assignor.)
Cutler-Hammer Mfg. Co., The. (See Coldwell, John S., assignor.)
Cutler-Hammer Mfg. Co., The. (See Coulter, Leonard P., assignor.)
Cutler-Hammer Mfg. Co., The. (See Cushing, William T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Denhard, Harry W., assignor.)
Cutler-Hammer Mfg. Co., The. (See Evans, Clarence T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Foote, Edward T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Goldenstein, Maurice M., assignor.)
Cutler-Hammer Mfg. Co., The. (See Hadaway, William S., jr., assignor.)
Cutler-Hammer Mfg. Co., The. (See Henderson, Clark T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Henderson and Simon, assignors.)
Cutler-Hammer Mfg. Co., The. (See Henderson and Stevens, assignors.)
Cutler-Hammer Mfg. Co., The. (See Horton, Albert J., assignor.)
Cutler-Hammer Mfg. Co., The. (See Kennedy, Walter C., assignor.)
Cutler-Hammer Mfg. Co., The. (See Klein, Charles J., assignor.)
Cutler-Hammer Mfg. Co., The. (See Layman, Frank E., assignor.)
Cutler-Hammer Mfg. Co., The. (See Lent, Wilmar F., assignor.)
Cutler-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)
Cutler-Hammer Mfg. Co., The. (See Low, Frank S., assignor.)
Cutler-Hammer Mfg. Co., The. (See Miller, Charles H., assignor.)
Cutler-Hammer Mfg. Co., The. (See Montgomery, Theodore D., assignor.)
Cutler-Hammer Mfg. Co., The. (See Montgomery and Schantz, assignors.)
Cutler-Hammer Mfg. Co., The. (See Packard, Horace N., assignor.)
Cutler-Hammer Mfg. Co., The. (See Radley, Guy R., assignor.)
Cutler-Hammer Mfg. Co., The. (See Reed and Kennedy, assignors.)
Cutler-Hammer Mfg. Co., The. (See Schönwitz, Michael N., assignor.)
Cutler-Hammer Mfg. Co., The. (See Simon, Arthur, assignor.)
Cutler-Hammer Mfg. Co., The. (See Stevens, William C., assignor.)
Cutler-Hammer Mfg. Co., The. (See Tatum, Lewis L., assignor.)
Cutler-Hammer Mfg. Co., The. (See Tower and Van Nest, assignors.)
Cutler-Hammer Mfg. Co., The. (See Walkup, Samuel T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Wiegand, Henry J., assignor.)
Cutler-Hammer Mfg. Co., The. (See Wilson, John C., assignor.)
Cutler-Hammer Mfg. Co., The. (See Wilson and Packard, assignors.)
Cutler-Hammer Mfg. Co., The. (See Zimmer, Paul H., assignor.)
Cutler-Hammer Mfg. Company, The. (See Parker, Frank I., assignor.)
Cutler, Henry A., Belfast, Ireland. Means for removing deposit from drains, pipes, and the like. No. 1,262,755; Apr. 16; v. 249; p. 556.
Cutler, Henry H., assignor to The Warren Featherbone Co., Three Oaks, Mich. Legging. No. 1,273,586; July 23; v. 252; p. 875.
Cutler, Lewis F., Salem, assignor to The Turner Tanning Machinery Company, Peabody, Mass. Leather-working machine. No. 1,267,853; May 28; v. 250; p. 914.
Cutler Mail Chute Company. (See Cutler, Clarence B., assignor.)
Cutler, Vernon B. (See Stanfield, Jasper H., assignor.)
Cutler, Willis L., Legrand, assignor to F. R. Ensminger, Gilman, Iowa. Multiple concrete-block mold. No. 1,285,056; Nov. 19; v. 256; p. 485.

Cutter, Edward I., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Drying apparatus. No. 1,267,748; May 28; v. 250; p. 882.
Cutter, Solomon M., Wethersfield, assignor to Capewell Horse Nail Company, Hartford, Conn. Preparation of continuous metal rod. No. 1,285,057; Nov. 19; v. 256; p. 485.
Cutting, Edward J. (See Conniff, William E., assignor.)
Cuttle, Francis, Riverside, Cal. Apparatus for removing debris from streams. No. 1,268,329; June 4; v. 251; p. 74.
Cwikliński, Kaźimirz, Blue Island, Ill. Soldier's bench. No. 1,264,278; Apr. 30; v. 249; p. 1032.
Cwikliński, Kaźimirz, Blue Island, Ill. Ship-protector. No. 1,275,402; Aug. 13; v. 253; p. 323.
Cwikliński, Kaźimirz, Blue Island, Ill. Lock. No. 1,275,403; Aug. 13; v. 253; p. 323.
Cycle-Flyer Company, The. (See Westerfield, Granville G., assignor.)
Cycle Supplies Company, The. (See Warren, Frank D., assignor.)
Cycle Washing Machine Company. (See Schulz, Karl K., assignor.)
Cyclemotor Corporation. (See Evans, Leigh R., assignor.)
Cypert, Joseph A., Kansas City, Mo. Heat-shield for automobiles. No. 1,258,990; Mar. 12; v. 248; p. 342.
Cypher, Newton. (See Imbriani, Ralph, assignor.)
Cyr, John B., Seattle, Wash., Sectional breakwater. No. 1,287,902; Dec. 17; v. 257; p. 490.
Czaja, Antoni, and J. Hareza, Gary, W. Va. Conveyer rake and stacker. No. 1,262,756; Apr. 16; v. 249; p. 556.
Czernick, Anton, Regina, Saskatchewan, Canada. Grain-stooker. No. 1,282,545; Oct. 22; v. 255; p. 762.
D-Handle Finishing Machine Co. (See Delk, Bertie F., assignor.)
D. Napier & Son Limited. (See Rowledge, Arthur J., assignor.)
D. H. Burrell & Company. (See Dalzell, Charles B., assignor.)
D. L. Caulk Company, The. (See Zurbrigg, Daniel A., assignor.)
D. M. Sechler Implement & Carriage Company. (See Englund, Ernest E., assignor.)
D & W Fuse Company. (See Downes, Louis W., assignor.)
D. & W. Fuse Company. (See Downes and Mayer, assignors.)
D & W Fuse Company. (See Downes and Patton, assignors.)
D & W Fuse Company. (See Patton, Ralph C., assignor.)
D'Amico, Luigi, New York, N. Y. Submarine-destroying trap. No. 1,278,602; Sept. 10; v. 254; p. 369.
D'Amico, Pietro, Marsala, Italy. Rail armament and car for loading and unloading ships direct to and from a railway-station. No. 1,263,651; Apr. 23; v. 249; p. 827.
D'Angelo, Conrad, New York, N. Y. Army-legging. No. 1,254,462; Jan. 22; v. 246; p. 957.
D'Angelo, Conrad, assignor to D'Angelo Manufacturing Co., New York, N. Y. Legging. No. 1,282,384; Oct. 22; v. 255; p. 718.
D'Angelo Manufacturing Co. (See D'Angelo, Conrad, assignor.)
D'Annunzio, Harry C., Rochester, assignor to Rosenberg Bros. & Company, Fashion Park, Rochester, N. Y. Garment-sleeve. No. 1,278,310; Sept. 10; v. 254; p. 291.
D'Arcy, Frank P., Kalamazoo, Mich. Spring-cushion structure. No. 1,254,314; Jan. 22; v. 246; p. 915.
D'Arcy, Frank P., Kalamazoo, Mich. Wicker furniture. No. 1,254,315; Jan. 22; v. 246; p. 915.
D'Arcy, Frank P., Kalamazoo, Mich. Spring-cushion. No. 1,278,114; Sept. 10; v. 254; p. 238.
D'Arcy, Frank P., Kalamazoo, Mich. Upholstering device. No. 1,283,098; Oct. 29; v. 255; p. 941.
D'Arcy, Frank P., Kalamazoo, Mich. Cushion structure. No. 1,285,063; Nov. 19; v. 256; p. 486.
D'Arcy, Frank P., Kalamazoo, Mich. Signal device. No. 1,285,064; Nov. 19; v. 256; p. 487.
D'Arden, William, San Jose, Cal. Cap-screw lock. No. 1,269,059; June 11; v. 251; p. 298.
D'Ascanio, Corradino, Turin, Italy. Clinometer. No. 1,261,776; Apr. 9; v. 249; p. 255.
D'Errico, John, Coney Island, N. Y. Carousel. No. 1,280,679; Oct. 8; v. 255; p. 183.
D'Espujols, Robert L., Joinville-le-Pont, France. Condenser. No. 1,276,186; Aug. 20; v. 253; p. 572.
D'Olier, Henry, Jr., Bridgeport, Conn. Ventilating structure for electric lamps. No. 1,267,749; May 28; v. 250; p. 883.
D'Olier, Henry, Jr., Bridgeport, Conn. Light-distribution chart. No. 1,268,440; June 4; v. 251; p. 106.
D'Olier, Henry D., Jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Light-distribution chart. No. 1,272,021; July 9; v. 252; p. 389.
D'Orville, Theodore L. R., Twickenham, England. Lubricating system for internal-combustion engines. No. 1,264,494; Apr. 30; v. 249; p. 1092.
D'Orville, Theodore L. R., Twickenham, England. Fuel-supply system for internal-combustion engines. No. 1,266,429; May 14; v. 250; p. 457.
D'Orville, Theodore L. R., Twickenham, England. Internal-combustion engine. No. 1,269,264; June 11; v. 251; p. 355.
D'Orville, Theodore L. R., Franklin, N. H. Electrical equipment for motor-vehicles. No. 1,279,675; Sept. 24; v. 254; p. 715.
D'Ostroph, Arthur J., Long Key, Fla. Hose-supporter. No. 1,255,717; Feb. 5; v. 247; p. 175.
Da Costa, Arthur V. (See Loomis and Da Costa.)
Da Silveira Duarte, Maria, Brookline, Mass. Dishwasher. No. 1,271,450; July 2; v. 252; p. 194.
Daase, Rudolph J., Milwaukee, Wis. Gas-burner attachment for hot-air or hot-water furnaces. No. 1,270,019; June 18; v. 251; p. 594.
Dacy, Michael J., *et al.* (See Davis, Claude B., assignor.)
Dacy, Michael J., assignor of one-third to C. B. Davis and one-third to J. T. Palmatary, Richmond, Va. Shipping-crate. No. 1,271,285; July 2; v. 252; p. 150.
Dady, Arthur O., New York, N. Y., assignor, by mesne assignments, to Pfanstiehl Company Inc., North Chicago, Ill. Electrical switching device. No. 1,261,744; Apr. 2, v. 249; p. 211.
Dages, Christian, and T. Daniels, New York, N. Y. Vehicle-loader. No. 1,285,058; Nov. 19; v. 256; p. 485.
Daggett, Daniel, Omaha, Nebr. Colt and calf weaner. No. 1,253,944; Jan. 15; v. 246; p. 788.
Dahl, Berent O., Viroqua, Wis. Tobacco-sizing machine. No. 1,265,180; May 7; v. 250; p. 86.
Dahl, Carl R., Murdock, Minn. Pulley for automobiles. No. 1,266,220; May 14; v. 250; p. 403.
Dahl, George E., and F. F. Brodie, Cleveland, Ohio. Lawn-sprinkler. No. 1,284,251; Nov. 12; v. 256; p. 242.
Dahl, John L., Teaneck, N. J. Combination-tool. No. 1,272,228; July 9; v. 252; p. 447.
Dahl, Knut M., San Francisco, Cal. Oil-burning furnace. No. 1,271,286; July 2; v. 252; p. 151.
Dahl Manufacturing Co. (See Gasstrom, Herman, assignor.)
Dahl, Samuel A., Strandquist, Minn. Hat-fastener. No. 1,283,686; Nov. 5; v. 256; p. 65.
Dahl, Walter L., Cokato, Minn. Self-steering trailer. No. 1,285,059; Nov. 19; v. 256; p. 485.
Dahlberg, Charles L., Des Moines, Iowa. Book-support. No. 1,278,442; Sept. 10; v. 254; p. 324.
Dahlen, C. G. (See Myers, Melvin A., assignor.)
Dahlke, Edward H., Bonne Terre, and M. L. Sinclair, Frankclay, Mo. Switch. No. 1,253,158; Jan. 8; v. 246; p. 532.
Dahlstrom, John. (See Turner and Dahlstrom.)
Dahm, Carl C., Saskatoon, Saskatchewan, Canada. Dirigible headlight. No. 1,286,950; Dec. 10; v. 257; p. 221.
Daigle, Elizabeth. (See Daigle, Firmin, assignor.)
Daigle, Firmin, Daigle, assignor to E. Daigle, Millinocket, Me. Potato-cultivator. No. 1,268,687; June 4; v. 251; p. 175.
Dailey, Charles I., Pittsburgh, Pa., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Reel. No. 1,259,725; Mar. 19; v. 248; p. 581.
Dailey, James O., assignor of one-half to C. S. Barnes, Tillamook, Oreg. Flash-light. No. 1,287,250; Dec. 10; v. 257; p. 298.
Daily, Joseph F., St. Louis, Mo. Link fabric. No. 1,257,323; Feb. 26; v. 247; p. 758.
Daily, Richard T., Chicago, assignor of one-fourth to C. E. Lord, Wilmette, Ill. Game apparatus. No. 1,287,903; Dec. 17; v. 257; p. 491.
Daily, William R., Logan, Kans. Garden-plow. No. 1,286,545; Dec. 3; v. 257; p. 89.
Dailey, Harry S., Bellefontaine, Ohio. Combined furnace-poker and clinker-extractor. No. 1,265,303; May 7; v. 250; p. 118.
Daimler-Motoren-Gesellschaft. (See Daimler, Paul, assignor.)
Daimler-Motoren-Gesellschaft. (See Daimler and Friz, assignors.)
Daimler, Paul, Cannstatt, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Untertürkheim, Germany. Lubricating device. No. 1,269,582; June 18; v. 251; p. 472.
Daimler, Paul, Cannstatt, and M. Friz, assignors to Daimler-Motoren-Gesellschaft, Stuttgart-Untertürkheim, Germany. Mechanism for controlling driving means. No. 1,269,581; June 18; v. 251; p. 472.
Dain, Joseph, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-loader. No. 1,270,123; June 18; v. 251; p. 619.
Dain, Joseph, Moline, Ill., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Side-delivery hay-rake. No. 1,283,474; Nov. 5; v. 256; p. 10.
Dain, Joseph, Moline, Ill., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Rotary hay-rake. No. 1,283,475; Nov. 5; v. 256; p. 10.
Dain Manufacturing Company of Iowa, The. (See Bowers, Robert R., assignor.)
Dain Manufacturing Company of Iowa. (See Bowers and Clausen, assignors.)
Dain Manufacturing Company of Iowa. (See Clausen, Leon R., assignor.)
Dain Manufacturing Company of Iowa. (See Dain, Joseph, assignor.)

Alphabetical list of patentees—Continued.

Daines, Hawley E., Orion, assignor to Gas Oil Stove Company, Detroit, Mich. Hydrocarbon-burner. No. 1,254,209; Jan. 22; v. 246; p. 884.
Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
Dake, Charles W., Chicago, Ill. Superheater. No. 1,289,405; Dec. 31; v. 257; p. 910.
Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Car end. No. 1,254,030; Jan. 22; v. 246; p. 833.
Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Commutator and holding means therefor. No. 1,286,243; Dec. 3; v. 257; p. 15.
Dake, Edward B., Muskegon, Mich. Piston-ring. No. 1,252,324; Jan. 1; v. 246; p. 254.
Dalby, William E. (See Wilson and Dalby.)
Dalcher, John T., Quincy, Mass. Oil-burner for stoves, furnaces, &c. No. 1,281,301; Oct. 15; v. 255; p. 384.
Dale, Clifford, Wabash, Ind. Concrete structure and block. No. 1,266,414; May 14; v. 250; p. 453.
Dale, James T., Kansas City, Kans. Current-motor. No. 1,263,865; Apr. 23; v. 249; p. 884.
Dale, John H., New York, N. Y., assignor to Dale Lighting Fixture Company. Electric-light fixture. No. 1,254,210; Jan. 22; v. 246; p. 884.
Dale, John H., New York, N. Y., assignor to Dale Lighting Fixture Co., Inc. Electric incandescent lamp. No. 1,271,858; July 9; v. 252; p. 341.
Dale Lighting Fixture Co. (See Dale, John H., assignor.)
Dale, Oswald, Irvington, N. J. Producing wound strips or tape of varnished fabric. No. 1,274,144; July 30; v. 252; p. 1066.
Dalén, Gustaf, Stockholm, Sweden. Incandescent lighting apparatus. No. 1,259,607; Mar. 19; v. 248; p. 548.
Dalén, Gustaf, Skarsatra, Lidingö, Stockholm, Sweden. Burner for incandescent bodies. No. 1,277,392; Sept. 3; v. 254; p. 17.
Daley, Charles A., and J. Lyndale; said Daley assignor of one-half of the whole right to R. H. Carlson, Minneapolis, Minn. Return-feed attachment for woodworking-machines. No. 1,288,845; Dec. 24; v. 257; p. 746.
Daley, James E., Port Anson, Ontario, Canada. Automatic shaver. No. 1,254,990; Jan. 29; v. 246; p. 1141.
Daley, Walter S., assignor of one-half to D. S. Williams, Los Angeles, Cal. Journal-box lubricator. No. 1,285,060; Nov. 19; v. 256; p. 486.
Dallachie, Charles A., Newton Center, Mass. Penholder. No. 1,263,650; Apr. 23; v. 249; p. 827.
Daller, Burt C., Detroit, Mich. Fish-hook guard. No. 1,255,516; Feb. 5; v. 247; p. 116.
Dallugge, Rudolph A. (See Church, David W., assignor.)
Dallwig Distributing Co. (See Sauer, Teckla, assignor.)
Dalmas, Amedeus, Oakland, Cal. Holder for watches and the like. No. 1,251,757; Jan. 1; v. 246; p. 95.
Dalton Adding Machine Company, The. (See Landsiedel, Harry, assignor.)
Dalton Adding Machine Company, The. (See Magnus, John, assignor.)
Dalton Arms Corporation. (See Hammond, Grant, assignor.)
Dalton, Daniel F., assignor of one-third to J. Crompton, Waterbury, Conn. Buckle. No. 1,264,022; Apr. 23; v. 249; p. 928.
Dalton, Edward, Baldwinsville, and J. C. Dalton, New York, N. Y. Rake. No. 1,253,355; Jan. 15; v. 246; p. 620.
Dalton, Edward J. (See Hochstein, Alfred P., assignor.)
Dalton, Elizabeth, Junction City, Kans. Bib. No. 1,284,252; Nov. 12; v 256; p. 242.
Dalton, James C. (See Dalton, Edward and J. C.)
Dalton, Richard F., New York, N. Y. Artificial fuel composition and process. No. 1,260,286; Mar. 19; v. 248; p. 742.
Dalton, Thomas A., Hazleton, Pa. Ship-protector. No. 1,270,792; July 2; v. 252; p. 10.
Dalton, W. L. (See Hagan, Joseph F., assignor.)
Dalton, William, Schenectady, N. Y. Work-shop ventilator. No. 1,287,572; Dec. 10; v. 257; p. 376.
Dalwigk, Hermann, assignor of one-half to H. Pianta, San Antonio, Tex. Automobile-tire. No. 1,252,246; Jan. 1; v. 246; p. 233.
Daly, Edmund, New Monterey, Cal. Digging-tool. No. 1,271,287; July 2; v. 252; p. 151.
Daly, Herbert J., and W. L. Tobias, Toronto, Ontario, Canada. Shoe-shining machine. No. 1,264,279; Apr. 30; v. 249; p. 1032.
Daly, John M., Chicago, Ill. Method and apparatus for transporting vehicles. No. 1,282,764; Oct. 29; v. 255; p. 848.
Daly, John M., Chicago, Ill. Method and apparatus for storing and transporting vehicles. No. 1,282,765; Oct. 29; v. 255; p. 849.
Daly, John M., Chicago, Ill. Apparatus for storing and transporting vehicles. No. 1,282,766; Oct. 29; v. 255; p. 849.
Daly, John W., Cincinnati, Ohio. Garment-pressing machine. No. 1,257,194; Feb. 19; v. 247; p. 685.
Daly, Mark, Moncton, New Brunswick, Canada. Grease-cup-plug lock. No. 1,272,229; July 9; v. 252; p. 447.
Daly, Michael, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Brake for centrifugal machines. No. 1,251,482; Jan. 1; v. 245; p. 9.
Daly, Michael, Collinsville, Ill. Combination-check. No. 1,264,777; Apr. 30; v. 249; p. 1169.
Daly, Ralph J., Philadelphia, Pa. Aerial mine. No. 1,272,333; July 9; v. 252; p. 477.
Daly, Timothy, New York, N. Y. Exercise and game apparatus. No. 1,252,407; Jan. 8; v. 246; p. 313.
Dalzell, Charles B., assignor to D. H. Burrell & Company, Little Falls, N. Y. Centrifugal liquid-separator. No. 1,265,061; May 7; v. 250; p. 53.
Dalzell, Charles B., assignor to D. H. Burrell & Co., Little Falls, N. Y. Drive for centrifugal separating-machines. No. 1,284,613; Nov. 12; v. 256; p. 333.
Dalzell, William K., Barcaldine, Queensland, Australia. Multicylinder rotary internal-combustion engine for aeroplanes and the like. No. 1,270,500; June 25; v. 251; p. 750.
Daman, Arthur C., Denver, Colo. Flotation apparatus. No. 1,285,061; Nov. 19; v. 256; p. 486.
Dambacher, Fred L., Cottonwood, Cal. Motor-cycle stand. No. 1,278,113; Sept. 10; v. 254; p. 238.
Damerell, Mark H., Detroit, Mich. Portable shaper. No. 1,275,404; Aug. 13; v. 253; p. 324.
Damerell, Mark H., Detroit, Mich., assignor to Wyman-Gordon Company, Worcester, Mass. Crank-shaft-twisting machine. No. 1,274,390; Aug. 6; v. 253; p. 12.
Damm, Charles F., and G. Huber, Buffalo, N. Y.; said Huber assignor to said Damm. Ventilator. No. 1,278,309; Sept. 10; v. 254; p. 291.
Damm, Oscar M., and H. Webbe, Jr., St. Louis, Mo. Brush-making machine. No. 1,279,282; Sept. 17; v. 254; p. 581.
Damme, Edward, Battle Creek, Mich. Shock-absorber. No. 1,274,515; Aug. 6; v. 253; p. 50.
Damon, Edson S., Council Bluffs, Iowa. Electric-wire clamp. No. 1,282,383; Oct. 22; v. 255; p. 718.
Damron, Franklin L. and L., Los Angeles, Cal. Means for utilizing waste gas in internal-combustion engines. No. 1,283,096; Oct. 29; v. 255; p. 941.
Damron, Leroy. (See Damron, Franklin L. and L.)
Damstra, Peter G., Holland, Mich. Work-bench. No. 1,283,401; Oct. 29; v. 255; p. 1022.
Dana, Chauncey R., San Francisco, Cal. Door-check. No. 1,278,603; Sept. 10; v. 254; p. 369.
Dana, Jesse D. (See Goltra, Maffitt, Dana, and Erwin.)
Dana, Woodbury K. (See Waterhouse, George H., assignor.)
Dance, Clifford C., Denver, Colo. Vacuum-cleaner. No. 1,254,396; Jan. 22; v. 246; p. 938.
Dancer, John W., Tuskegee, Ala. Display-rack. No. 1,280,174; Oct. 1; v. 255; p. 16.
Dando, Joseph C., Philadelphia, Pa. Pipe. No. 1,286,546; Dec. 3; v. 257; p. 89.
Dane, Arthur C. (See Bingham, John D., assignor.)
Daneke, John F., Topeka, Kans. Milling-machine fixture. No. 1,278,867; Sept. 17; v. 254; p. 469.
Danforth, Charles H., Danvers, Mass. Invalid-bedstead. No. 1,284,061; Nov. 5; v. 256; p. 164.
Danforth, Charles H., Danvers, Mass. Invalid-bedstead. No. 1,284,062; Nov. 5; v. 256; p. 164.
Danforth, George L., Jr. (See Knox and Danforth.)
Danforth, George L., Jr., Chicago, Ill. Water-cooled buck-stay. No. 1,271,543; July 9; v. 252; p. 254.
Danhoffer, Joseph, Youngstown, Ohio. Wire-cutter attachment. No. 1,269,790; June 18; v. 251; p. 532.
Daniel, Charles E., Sandusky, Ohio. Molding-machine. No. 1,261,493; Apr. 2; v. 249; p. 141.
Daniel, John, assignor to Koehring Machine Company, Milwaukee, Wis. Concrete-mixing machine. No. 1,253,945; Jan. 15; v. 246; p. 788.
Daniel, John W., Cooperstown, N. D. Repair ring or link. No. 1,262,179; Apr. 9; v. 249; p. 365.
Daniel, Wiley E., De Leon, assignor of one-half to L. Hill, Smithville, Tex. Air-brake for automobiles. No. 1,283,097; Oct. 29; v. 255; p. 941.
Daniel, Willie C., Louisa, Va. Mud-block. No. 1,269,398; June 11; v. 251; p. 391.
Daniels, Edwin G., Chicago, Ill., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Punch-press. No. 1,260,652; Mar. 26; v. 248; p. 885.
Daniels, Farrington, Worcester, assignor of one-half to C. F. MacGill, Cambridge, Mass. Toy. No. 1,273,746; July 23; v. 252; p. 915.
Daniels, Harry T., Providence, R. I. Manhole-frame. No. 1,257,324; Feb. 26; v. 247; p. 758.
Daniels, Lee G., Rockford, Ill. Multiple-spindle turret-lathe. No. 1,274,859; Aug. 6; v. 253; p. 148.
Daniels, Thomas. (See Dages and Daniels.)
Daniels, Thomas M., Chicago, Ill. Lock-nut. No. 1,265,752; May 14; v. 250; p. 271.
Daniels, Valentine, Geneseo, Ill. Cultivator-shovel. No. 1,267,518; May 28; v. 250; p. 818.
Daniels, William C., Huntington Park, and G. T. Reed, Inglewood, Cal. Alining device for printing presses. No. 1,277,199; Aug. 27; v. 253; p. 885.
Daniells, Allan L., and L. E. Fornes, Chicago, Ill. Time-stamp. No. 1,280,175; Oct. 1; v. 255; p. 16.
Danielsen, Wilhelm G., Independence, Mo. Equalizer for tractors. No. 1,266,773; May 21; v. 250; p. 585.

Danielsen, William A., Palatine, Ill. Flush-tank valve. No. 1,269,163; June 11; v. 251; p. 326.
Danielson, August, Everett, Wash. Loading attachment for cableways. No. 1,285,565; Nov. 19; v. 256; p. 613.
Danielson, Frank, Chicago, Ill. Spark-plug. No. 1,286,244; Dec. 3; v. 257; p. 15.
Danielson, Gust A., and M. L. Hirsch, Los Angeles, Cal. Attachment for car-brakes. No. 1,276,625; Aug. 20; v. 253; p. 694.
Danielson, Gustave F., Youngstown, Ohio. Forming metal seats. No. 1,289,685; Dec. 31; v. 257; p. 978.
Danielson, John, Port Huron, Mich. Shoe-polishing device. No. 1,275,861; Aug. 13; v. 253; p. 450.
Danielson, Oscar A., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. No. 1,262,648; Apr. 16; v. 249; p. 525.
Dankmyer, Frederick C. (See Miller and Dankmyer.)
Danks, H. (See Myers, Melvin A., assignor.)
Dann, Walter M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer. No. 1,279,994; Sept. 24; v. 254; p. 806.
Dann, Walter M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer. No. 1,289,406; Dec. 31; v. 257; p. 911.
Dann, Walter M., Wilkinsburg, and H. H. Rudd, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Starting three-phase, three-wire rotary converters. No. 1,272,632; July 16; v. 252; p. 588.
Danneel, Heinrich, and E. Kuhn, Basel, assignors to Elektrizitätswerk Lonza, Gampel, Switzerland. Oxidizing ammonium sulfite to ammonium sulfate. No. 1,274,247; July 30; v. 252; p. 1095.
Dannenbring, Henry A., Clayton, S. D. Automobile-jack. No. 1,288,846; Dec. 24; v. 257; p. 747.
Danner, Edward, Toledo, Ohio. Forming sheet-glass. No. 1,261,366; Apr. 2; v. 249; p. 107.
Danner, Edward, Toledo, Ohio. Apparatus for forming sheet-glass. No. 1,261,367; Apr. 2; v. 249; p. 107.
Danner, Edward, Toledo, Ohio. Forming glass articles. No. 1,269,791; June 18; v. 251; p. 532.
Danovaro, Giovanni, Welland, Ontario, Canada. Torpedo-guard. No. 1,270,020; June 18; v. 251; p. 594.
Danquard, Thomas, New York, N. Y., assignor to Auto Pneumatic Action Company. Note-sheet-tracking device. No. 1,255,296; Feb. 5; v. 247; p. 52.
Danquard, Thomas, New York, N. Y., assignor to The Auto Pneumatic Action Company. Motor-operated exhauster. No. 1,285,635; Nov. 26; v. 256; p. 671.
Danquard, Thomas, New York, N. Y., assignor to The Auto Pneumatic Action Company. Soft-tension graduating device for musical instruments. No. 1,287,649; Dec. 17; v. 257; p. 427.
Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Process and apparatus for preparing magnesium chlorid. No. 1,276,499; Aug. 20; v. 253; p. 659.
Danver, James H., Zelienople, assignor to Iron City Sanitary Manufacturing Company, Pittsburgh, Pa. Bath-tub leg. No. 1,285,062; Nov. 19; v. 256; p. 486.
Danysz, Jean, Sevres, France. Metallic derivative of dioxydiaminoarsenobenzene. No. 1,269,792; June 18; v. 251; p. 533.
Danz, George. (See Berns and Danz.)
Danz, Jacob, 2d, Los Angeles, Cal. Shell-bag. No. 1,275,862; Aug. 13; v. 253; p. 450.
Darby, Jesse W., assignor of one-half to J. L. Witter, Laporte, Ind. Game apparatus. No. 1,272,014; July 9; v. 252; p. 387.
Darby, John, Summit, N. J., assignor to F. B. Griffin and E. C. Wallace, New York, N. Y. Moving-picture machine. No. 1,280,676; Oct. 8; v. 255; p. 182.
Dargin, Ernest P., assignor of one-half to C. S. Brown, Los Angeles, Cal. Flushing apparatus for garbage-chutes. No. 1,269,793; June 18; v. 251; p. 533.
Darker, Alfred H., Blackheath, assignor to J. Stone & Company, Limited, London, England. Bearing for dynamo-electric machines. No. 1,256,777; Feb. 19; v. 247; p. 563.
Darker, Alfred H., London, assignor to J. Stone & Company Limited, Deptford, England. Dynamo. No. 1,268,330; June 4; v. 251; p. 74.
Darker, Alfred H., Blackheath, England, assignor to J. Stone & Company, Deptford, England. Method of and apparatus for electrical distribution. No. 1,279,283; Sept. 17; v. 253; p. 582.
Darlaston, Arthur E., Wolverhampton, England. Folding table for attachment to bedsteads. No. 1,256,209; Feb. 12; v. 247; p. 361.
Darley, John W., *et al.*, administrators. (See Butkus and Gay.)
Darley, John W., Jr., Baltimore, Md., assignor to The Universal Steel Package Company, Dover, Del. Sectional metallic barrel. No. 1,258,537; Mar. 5; v. 248; p. 171.
Darley, John W., Jr., Baltimore, Md., assignor to The Universal Steel Package Company, Dover, Del. Metal package. No. 1,258,538; Mar. 5; v. 248; p. 171.
Darley, William S., Chicago, Ill. Velocity-pressure and calculating gage. No. 1,276,732; Aug. 27; v. 253; p. 761.
Darley, William S., Chicago, Ill. Locating concealed conductors. No. 1,287,251; Dec. 10; v. 257; p. 298.
Darling, Albert, Marietta, Okla. Post-hole digger. No. 1,286,547; Dec. 3; v. 257; p. 89.
Darling, Frank L., Long Beach, Cal. Wheel-rim. No. 1,280,176; Oct. 1; v. 255; p. 16.
Darling, Frank L., Long Beach, Cal. Wheel-rim. No. 1,288,528; Dec. 24; v. 257; p. 671.
Darling, Halley E., Prineville, Oreg. Folding bed. No. 1,278,604; Sept. 10; v. 254; p. 369.
Darling, J. Frank, New York, N. Y. Display-rack. No. 1,270,709; June 25; v. 251; p. 305.
Darling, Lewis A., Anderson, Ind., assignor to Electric Service Supplies Company, Philadelphia, Pa. Valve. No. 1,284,253; Nov. 12; v. 256; p. 242.
Darling, Philip G., Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Apparatus for obtaining salts from salt-bearing ores. No. 1,283,099; Oct. 29; v. 255; p. 942.
Darlington, Howard D., Dayton, Ohio. Cabinet talking-machine. No. 1,253,010; Jan. 8; v. 246; p. 489.
Darlington, Philip J., assignor to The Roto Company, Hartford, Conn. Tube-cleaning tool. No. 1,258,094; Mar. 5; v. 248; p. 43.
Darnall, John C., Cincinnati, Ohio. Rack or tray for drinking-glasses and like purposes. No. 1,263,866; Apr. 23; v. 249; p. 884.
Daron, Robert W., York, Pa. Transmission device. No. 1,259,369; Mar. 12; vol. 248; p. 449.
Daroowalla, Eruchshaw B., Bombay, India. Lock. No. 1,272,230; July 9; v. 252; p. 447.
Darr, Ernest R., Los Angeles, Cal. Safety-envelop. No. 1,278,115; Sept. 10; v. 254; p. 239.
Darragh, Nelson R., St. Louis, Mo. Animal-smoker. No. 1,262,649; Apr. 16; v. 249; p. 525.
Darrah, William A., Mansfield, Ohio. Incandescent lamp. No. 1,252,372; Jan. 1; v. 246; p. 268.
Darrah, William A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,264,280; Apr. 30; v. 249; p. 1032.
Darrah, William A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,281,527; Oct. 15; v. 255; p. 447.
Darrin, Marc. (See Sperr and Darrin.)
Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-tread and side-wall stock and preparing same. No. 1,282,767; Oct. 29; v. 255; p. 849.
Darrow, Daniel, New York, N. Y. Barge-conveyer. No. 1,265,624; May 7; v. 250; p. 204.
Darrow, Leo H., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. No. 1,283,687; Nov. 5; v. 256; p. 65.
Darrow, Wilton E., Sutter Creek, Cal. Discharge-gate for slime-thickeners. No. 1,279,845; Sept. 24; v. 254; p. 764.
Darst, Harry H., Dayton, Ohio. Paper-file. No. 1,254,991; Jan. 29; v. 246; p. 1141.
Dart, Melvin C., New York, N. Y. Clutch. No. 1,267,190; May 21; v. 250; p. 703.
Dart, Melvin C., New York, N. Y. Silencer for valves. No. 1,287,252; Dec. 10; v. 257; p. 299.
Darvy, John. (See Dumars and Darvy.)
Dash, Harry, Hillesden, via Broadview, Saskatchewan, Canada. Gasolene-tank for automobiles. No. 1,287,904; Dec. 17; v. 257; p. 491.
Dash, Morris, Philadelphia, Pa. Drain-pipe cleaner. No. 1,254,125; Jan. 22; v. 246; p. 861.
Dassow, Harry, Fargo, N. D. Bread-cutting machine. No. 1,256,114; Feb. 12; v. 247; p. 331.
Date, William E. (See Arnold and Date.)
Dath, Charles E., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging yoke. No. 1,285,951; Nov. 26; v. 256; p. 750.
Dath, Charles E., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,286,245; Dec. 3; v. 257; p. 15.
Datta, Rasiklal, Calcutta, India. Producing bromin. No. 1,267,638; May 28; v. 250; p. 853.
Daubenberg, Willard, and E. W. Appelman, Postville, Iowa. Attachment for submarines. No. 1,252,408; Jan. 8; v. 246; p. 313.
Dauber, Charles E., Sr., Johnsonburg, Pa. Elevating means for hides. No. 1,266,221; May 14; v. 250; p. 403.
Dauch, Jacob J. (See Bell, Dillwyn M., assignor.)
Daudelin, Philias. (See Bartlett, Emery G., assignor.)
Daugherty, Charles E., Portland, Oreg. Loose-leaf binder. No. 1,257,982; Mar. 5; v. 248; p. 10.
Daugherty, Ruth E., Chicago, Ill. Garment-staying device. No. 1,253,792; Jan. 15; v. 246; p. 745.
Daugherty, William, Ste. Genevieve, Mo. Cooling system for combustion-engines. No. 1,264,281; Apr. 30; v. 249; p. 1033.
Daughtry, William R., Birmingham, Ala. Combined cover and filing-cabinet for music-record rolls and the like. No. 1,252,247; Jan. 1; v. 246; p. 233.
Daujat, John, San Martin, Cal. Combination square and bevel. No. 1,267,637; May 28; v. 250; p. 853.
Dausmann, Charles, Brooklyn, N. Y. Printing-press. No. 1,269,794; June 18; v. 251; p. 533.
Daveler, Amos, Sterling, assignor to Eureka Company, Rock Falls, Ill. Casket-clamp for hearses. No. 1,262,650; Apr. 16; v. 249; p. 525.

Davenport, Frederic H., and H. H. Manning, Meadville, Pa. Igniter. No. 1,267,984; May 28; v. 250; p. 950.
Davenport, George E., Camden, N. J. Hand-controlled hydraulic press. No. 1,269,060; June 11; v. 251; p. 298.
Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,251,869; Jan. 1; v. 246; p. 129.
Davenport, Ransom W. (See Schall and Davenport.)
Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Combined coal and gas range. No. 1,265,432; May 7; v. 250; p. 154.
Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Electric heating unit. No. 1,265,433; May 7; v. 250; p. 155.
Davey, Albert I. (See Leach, William W., assignor.)
Davey, Bruce C., Chicago, Ill. Cement. No. 1,253,011; Jan. 8; v. 246; p. 489.
Davey, Emmett C., assignor of one-fourth to H. W. Baker, Mankato, Minn. Electric pipe-thawing apparatus. No. 1,289,686; Dec. 31; v. 257; p. 978.
Davey, George, Brooklyn, N. Y. Support for pyrometers. No. 1,259,372; Mar. 12; v. 248; p. 450.
David, Ernest S., Sterling, Ill. Automobile-door latch. No. 1,262,651; Apr. 16; v. 249; p. 526.
David, Howard L., Philadelphia, Pa. Adjustable golf-ball-tee device. No. 1,255,140; Feb. 5; v. 247; p. 8.
David, Roy L., San Jose, Cal. Heading-knife for milo and the like. No. 1,286,548; Dec. 3; v. 257; p. 90.
David Watkins Dairyman's Manufacturing Company. (See Nicoll, William R., assignor.)
David, William H., and D. T. Griffin, Atlanta, Ga. Laundry-table. No. 1,279,665; Sept. 24; v. 254; p. 712.
Davidoff, Joseph, Brooklyn, N. Y. Hoist-gearing. No. 1,273,747; July 23; v. 252; p. 916.
Davidoff, Robert, New York, N. Y. Picture-frame. No. 1,283,100; Oct. 29; v. 255; p. 942.
Davidson, Alfred E., Newark, N. J. Apparatus for treating air and the like. No. 1,277,393; Sept. 3; v. 254; p. 17.
Davidson, Arthur C., assignor to Waugh Draft Gear Company, Chicago, Ill. Draw-bar-centering device. No. 1,259,370; Mar. 12; v. 248; p. 449.
Davidson, Benjamin H., Tampa, assignor of one-half to W. H. Kendricks, Hillsborough county, Fla. Internal-combustion engine. No. 1,270,124; June 18; v. 251; p. 619.
Davidson, Charles J., Grand Rapids, Mich. Door-catch. No. 1,265,304; May 7; v. 250; p. 118.
Davidson, Donald, assignor to Bradley & Vrooman Company, Chicago, Ill. Waterproof cement and producing it. No. 1,285,636; Nov. 26; v. 256; p. 671.
Davidson, Edwin L. (See Elzey, Edgar P., assignor.)
Davidson, Emil, Northwood, N. D. Attachment for plows. No. 1,273,829; July 30; v. 252; p. 977.
Davidson, Frank E. (See Coby and Davidson.)
Davidson, Franklin F., Superior, Wis. Wheel. No. 1,261,908; Apr. 9; v. 249; p. 290.
Davidson, Harold R., Oakdale, Cal. Tire for motor-vehicle wheels. No. 1,267,985; May 28; v. 250; p. 950.
Davidson, Harry O. (See Womack, Claude T., assignor.)
Davidson, Harry O., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Concrete-form. No. 1,252,093; Jan. 1; v. 246; p. 192.
Davidson, Harry O., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Rod-puller. No. 1,263,867; Apr. 23; v. 249; p. 885.
Davidson, Harry O., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Sewer-form. No. 1,269,164; June 11; v. 251; p. 326.
Davidson, Harry O., Cleveland Heights, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Concrete-molding form. No. 1,270,793; July 2; v. 252; p. 10.
Davidson, Harry O., Cleveland Heights, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Concrete-form. No. 1,287,573; Dec. 10; v. 257; p. 376.
Davidson, Jacob A., Toronto, Ontario, Canada. Animal-trap. No. 1,265,305; May 7; v. 250; p. 119.
Davidson, John M., Xenia, Ohio. Eye-operating mechanism for dolls. No. 1,289,687; Dec. 31; v. 257; p. 978.
Davidson, Rufus B., Big Spring, Tex. Grain-heading machine. No. 1,285,637; Nov. 26; v. 256; p. 671.
Davidson, Samuel C., Belfast, Ireland. Machinery for rubber and the like. No. 1,256,664; Feb. 19; v. 247; p. 530.
Davidson, Samuel C., Belfast, Ireland. Machinery for rubber and the like. No. 1,287,253; Dec. 10; v. 257; p. 299.
Davidson, Walter H., Kalgoorlie, Australia. Vehicle-wheel. No. 1,279,284; Sept. 17; v. 254; p. 582.
Davidson, William M., Chicago, Ill. Watch-inspection card. No. 1,286,549; Dec. 3; v. 257; p. 90.
Davies, Albert J., Kenogami, Quebec, Canada. Fourdrinier machine. No. 1,260,878; Mar. 26; v. 248; p. 947.
Davies, David, Salt Lake City, Utah. Water-gage cock. No. 1,280,177; Oct. 1; v. 255; p. 16.
Davies, David, assignor of twenty-four and one-half one-hundredths to G. F. Schultz and fifty-one one-hundredths to J. Decker and F. G. Brooks, Salt Lake City, Utah. Attachment for hydrocarbon-engines. No. 1,278,116; Sept. 10; v. 254; p. 239.
Davies, David P., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Air-strainer. No. 1,286,951; Dec. 10; v. 257; p. 221.
Davies, Frederick E., Detroit, Mich. Making and projecting pictures. No. 1,262,180; Apr. 9; v. 249; p. 366.
Davies, Henry A., *et al.* (See Weber, Albert A., assignor.)
Davies, John H., Melbourne, Victoria, Australia. Claw for milking-machines. No. 1,278,868; Sept. 17; v. 254; p. 470.
Davies, John H., Melbourne, Victoria, Australia. Milk-releaser for milking-machines. No. 1,281,146; Oct. 8; v. 255; p. 310.
Davies, John W., Reading, Mass. Emulsifier and clarifier. No. 1,279,287; Sept. 17; v. 254; p. 583.
Davies, Richard J., Jr., Weehawken, N. J. Automatic railway-grade-crossing gate. No. 1,283,439; Oct. 29; v. 255; p. 1031.
Davies, William R. (See Thomas and Davies.)
Daviess, James A., assignor to American Steam Conveyor Corporation, Chicago, Ill. Joint for steam-conveyer conduits. No. 1,278,869; Sept. 17; v. 254; p. 470.
Davignon, Frederick J. (See Boivin and Davignon.)
Davis, A. Elton, *et al.* (See McCloskey, Alfred C., assignor.)
Davis, Alma M., Mesa, Ariz. Tractor. No. 1,267,986; May 28; v. 250; p. 950.
Davis, Anthony E., Philadelphia, Pa. Expansion-joint and support therefor. No. 1,289,688; Dec. 31; v. 257; p. 979.
Davis, Arthur V., *et al.*, executors. (See Hall, Charles M.)
Davis, Augustine, Jr., Covington, Ky., and A. L. Betts, Cincinnati, Ohio; said Betts assignor to said Davis. Emergency shut-off valve for tanks. No. 1,284,063; Nov. 5; v. 256; p. 165.
Davis, Benjamin F., Lisbon, Fla. Change-making machine. No. 1,279,285; Sept. 17; v. 254; p. 582.
Davis, Bennie. (See Swingle, George S., assignor.)
Davis-Bournonville Company. (See Buckman, Worthy C., assignor.)
Davis-Bournonville Company. (See Bucknam and Cave, assignors.)
Davis-Bournonville Company. (See Cave, Henry, assignor.)
Davis-Bournonville Company. (See Swartley, Henry R., Jr., assignor.)
Davis, Bradford, Reading, Pa. Fireback for stoves. No. 1,264,373; Apr. 30; v. 249; p. 1058.
Davis, Calvin R., assignor to Emerson-Brantingham Company, Rockford, Ill. Draft attachment. No. 1,289,407; Dec. 31; v. 257; p. 911.
Davis, Charles, and B. Ogram, Warren, Ohio. Shade-roller and curtain bracket. No. 1,266,559; May 21; v. 250; p. 524.
Davis, Charles E., North Plains, Oreg. Elevated carrier. No. 1,261,717; Apr. 2; v. 249; p. 204.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,256,524; Feb. 19; v. 247; p. 489.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,274,516; Aug. 6; v. 253; p. 51.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,282,768; Oct. 29; v. 255; p. 849.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,283,688; Nov. 5; v. 256; p. 66.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,283,689; Nov. 5; v. 256; p. 66.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,283,690; Nov. 5; v. 256; p. 66.
Davis, Charles M., and E. Brumberg, Hoquiam, Wash. Illuminated sign. No. 1,252,248; Jan. 1; v. 246; p. 233.
Davis, Charles T. (See Rogers, Allen, assignor.)
Davis, Charles T. (See Wise, Malcolm, and Davis.)
Davis, Charles T., Brooklyn, N. Y. Emergency-applicator packet. No. 1,259,964; Mar. 19; v. 248; p. 653.
Davis, Charles T., assignor to Davis & Geck, Inc., Brooklyn, N. Y. Suture and making the same. No. 1,254,031; Jan. 22; v. 246; p. 833.
Davis, Charles W., Sausalito, Cal. Saturating element for cooling apparatus. No. 1,286,550; Dec. 3; v. 257; p. 90.
Davis, Claude B., *et al.* (See Dacy, Michael J., assignor.)
Davis, Claude B., assignor of one-third to O. Wattson and one-third to M. J. Dacy, Richmond, Va. Folding shipping-crate. No. 1,254,482; Jan. 22; v. 246; p. 962.
Davis, Claude B., assignor of one-third to O. Wattson and one-third to M. J. Dacy, Richmond, Va. Fastening device. No. 1,279,519; Sept. 24; v. 254; p. 670.
Davis, Claude H., Wanganui, New Zealand. Vacuum milking-machine. No. 1,271,544; July 9; v. 252; p. 255.

Davis, Cora M. (See Schenck, George E., assignor.)
Davis, Cortland W. (See Spangler and Davis.)
Davis, Cortland W., assignor to The Mantle Lamp Company of America, Chicago, Ill. Burner. No. 1,254,581; Jan. 22; v. 246; p. 990.
Davis, Cortland W., asignor to The Mantle Lamp Company of America, Chicago, Ill. Inverted incandescent mantle. No. 1,283,691; Nov. 5; v. 256; p. 67.
Davis, Cortland W., and V. S. Johnson, assignors to The Mantle Lamp Company of America, Chicago, Ill. Hydrocarbon-burner. No. 1,256,879; Feb. 19; v. 247; p. 594.
Davis, Cortland W., and V. S. Johnson, assignors to The Mantle Lamp Company of America, Chicago, Ill. Flame-spreader for burners. No. 1,273,587; July 23; v. 252; p. 875.
Davis, David C., Wilkinsburg, Pa. Protective means for commercial paper. No. 1,286,246; Dec. 3; v. 257; p. 15.
Davis, David C., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Cooling system. No. 1,259,371; Mar. 12; v. 248; p. 449.
Davis, David C., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Converting system. No. 1,274,691; Aug. 6; v. 253; p. 101.
Davis, David I., Chicago, Ill. Refrigerating-machine. No. 1,280,101; Sept. 24; v. 254; p. 835.
Davis, David L. (See Withrow and Davis.)
Davis, Della F., Hibbing, Minn. Device for coating threads. No. 1,284,254; Nov. 12; v. 256; p 243.
Davis, Donald A. (See Fulkerson, James C., assignor.)
Davis, Donald C., Buffalo, assignor to Gould Coupler Company, New York, N. Y. Friction draft and buffing gear. No. 1,283,101; Oct. 29; v. 255; p. 942.
Davis, Donald C., Buffalo, assignor to Gould Coupler Company, New York, N. Y. Pin-securing means. No. 1,283,102; Oct. 29; v. 255; p. 943.
Davis, Edward, Newark, N. J. Treating films. No. 1,257,682; Feb. 26; v. 247; p. 863.
Davis, Edward W., Minneapolis, Minn. Apparatus for treatment of magnetic ore. No. 1,286,247; Dec. 3; v. 257; p. 16.
Davis, Elam H., Memphis, Tenn. Automobile-wheel rim. No. 1,265,062; May 7; v. 250; p. 53.
Davis, Emry, Brooklyn, N. Y. Inkstand. No. 1,259,608; Mar. 19; v. 248; p. 548.
Davis, Ernest W., Chicago, Ill. Focusing device. No. 1,276,733; Aug. 27; v. 253; p. 761.
Davis, Ernest W., assignor to Universal Camera Company, Chicago, Ill. Dissolving apparatus. No. 1,275,863; Aug. 13; v. 253; p. 450.
Davis, Frank M., Milwaukee, Wis. Duplex milling-machine. No. 1,279,286; Sept. 17; v. 254; p. 582.
Davis, Frank M., Milwaukee, Wis., assignor to Avery Company, Peoria, Ill. Bearing. No. 1,287,254; Dec. 10; v. 257; p. 299.
Davis, Fred M., assignor to Pullman Couch Company, Chicago, Ill. Sofa-bed. No. 1,258,991; Mar. 12; v. 248; p. 342.
Davis, Fred M., assignor to Pullman Couch Company, Chicago, Ill. Sofa-bed. No. 1,270,384; June 25; v. 251; p. 717.
Davis, Fred M., assignor of one-third to Pullman Couch Company, Chicago, Ill., one-third to Gold Furniture Company, and one-third to Kroehler Manufacturing Company. Sofa-bed. No. 1,268,099; June 4; v. 251; p. 8.
Davis and Furber Machine Co. (See Rundlett, William D., assignor.)
Davis & Geck. (See Davis, Charles T., assignor.)
Davis & Geck. (See Wise, Malcolm, and Davis, assignors.)
Davis, George E., Vista, Cal. Writing-tablet. (Reissue.) No. 14,488; June 25; v. 251; p. 819.
Davis, George L., assignor to The Binghamton Washing Machine Co., Binghamton, N. Y. Belt-tightener. No. 1,282,198; Oct. 22; v. 255; p. 668.
Davis, George P., Detroit, Mich., assignor to Bulletin Machine Company, Buffalo, N. Y. Advertising device. No. 1,258,750; Mar. 12; v. 248; p. 271.
Davis, Gilbert G., Vancouver, British Columbia, Canada. Log-raft. No. 1,276,181; Aug. 20; v. 253; p. 571.
Davis, Granville O., *et al.* (See Crocker, Claudious M., assignor.)
Davis, Harold S. and M. D., Winnipeg, Manitoba, Canada. Process for the quantitative estimation of vapors in gases. No. 1,272,922; July 16; v. 252; p. 671.
Davis, Harrison H., The Plains, Ohio. Safety-crank. No. 1,285,065; Nov. 19; v. 256; p. 487.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Rocker-shaft bearing for looms. No. 1,278,443; Sept. 10; v. 254; p. 324.
Davis, Henderson G., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Barrel-seam and making the same. No. 1,266,415; May 14; v. 250; p. 454.
Davis, Henderson G., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Metal-working apparatus. No. 1,275,867; Aug. 13; v. 253; p. 452.
Davis, Henry J., Waynesboro, Ga. Saw-filing clamp. No. 1,263,652; Apr. 23; v. 249; p. 827.
Davis, Henry J., assignor of one-fourth to R. C. Neely, one-fourth to J. F. Neely, Waynesboro, Ga., and one-fourth to R. Davis, Tennille, Ga. Vending-machine. No. 1,280,417; Oct. 1; v. 255; p. 84.
Davis, Howard C., Elizabeth, N. J., assignor to American Marine Equipment Corporation, New York, N. Y. Feed-water heater, evaporator, and the like. No. 1,278,311; Sept. 10; v. 254; p. 292.
Davis, Howard L., Plumstead township, Ocean county, N. J., assignor to H. L. Watson, Lancaster, Pa. Incubator. No. 1,259,726; Mar. 19; v. 248; p. 581.
Davis, Howard L., Plumstead township, Ocean county, N. J., assignor to H. L. Watson, Lancaster, Pa. Incubator. No. 1,283,402; Oct. 29; v. 255; p. 1022.
Davis, Hugh, assignor to Eastman Kodak Company, Rochester, N. Y. Lamp-house for projection-cameras. No. 1,270,269; June 25; v. 251; p. 685.
Davis, Irvin W., Milwaukee, Wis. Nut-lock. No. 1,276,882; Aug. 27; v. 253; p. 799.
Davis, Isaiah I., Jr. Concord, N. C. Label-gumming device. No. 1,261,217; Apr. 2; v. 249; p. 63.
Davis, Jacob E., Ironton, Ohio. Gas heating-stove. No. 1,258,992; Mar. 12; v. 248; p. 342.
Davis, Jacob E., Ironton, Ohio. Gas-burner. No. 1,258,993; Mar. 12; v. 248; p. 343.
Davis, James B., Wilmington, N. C. Mold for concrete structures. No. 1,262,652; Apr. 16; v. 249; p. 526.
Davis, James B., Brady, Tex. Fishing-float. No. 1,278,312; Sept. 10; v. 254; p. 292.
Davis, James B., assignor to Standard Cement Construction Company, Wilmington, N. C. Combined septic tank and privy. No. 1,281,528; Oct. 15; v. 255; p. 448.
Davis, James D., assignor of one-third to G. S. Bicksler, Alhambra, Cal. Fruit ladder and conveyer. No. 1,279,995; Sept. 24; v. 254; p. 806.
Davis, James E., Salem, Ohio. Receptacle-washing machine. No. 1,281,302; Oct. 15; v. 255; p. 384.
Davis, James H. (See Rude and Davis.)
Davis, James K., Chester, N. J. Crayon-holder. No. 1,286,551; Dec. 3; v. 257; p. 90.
Davis, Jesse J. (See Stanfield, Wright, assignor.)
Davis, Jesse W., Middleton, assignor of one-half to J. W. McIntyre, Pocahontas, Tenn. Universal knuckle. No. 1,260,342; Mar. 26; v. 248; p. 795.
Davis, John A. (See Gregory, Hulet C., assignor.)
Davis, John A., Boston, Mass. Automatic stop and tempo control for talking-machines. No. 1,276,182; Aug. 20; v. 253; p. 571.
Davis, John B. (See Wood, Howard L., assignor.)
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fitting for flexible hose. No. 1,266,416; May 14; v. 250; p. 454.
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Meter. No. 1,266,417; May 14; v. 250; p. 454.
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dispensing and measuring pump. No. 1,275,864; Aug. 13; v. 253; p. 451.
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Registering apparatus. No. 1,275,865; Aug. 13; v. 253; p. 451.
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Measuring-pump for oil and the like. No. 1,275,866; Aug. 13; v. 253; p. 452.
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Scale-indicator for dispensing-pumps. No. 1,275,868; Aug. 13; v. 253; p. 452.
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Valve. No. 1,277,297; Aug. 27; v. 253; p. 908.
Davis, John D. (See Dunlop and Davis.)
Davis, John E. (See Smith, Birney K., assignor.)
Davis, John F., Freeport Me. Shoe-sole. No. 1,258,878; Mar. 12; v. 248; p. 310.
Davis, John H., Stockton, Cal. Disk plow. No. 1,256,984; Feb. 19; v. 247; p. 625.
Davis, John H., Stockton, Cal. Lubricating dust-proof roller-joint. No. 1,289,408; Dec. 31; v. 257; p. 912.
Davis, John H., Stockton, Cal. Link construction for tractor-treads. No. 1,289,409; Dec. 31; v. 257; p. 912.
Davis, John H., and J. W. Morgan, Stockton, Cal.; said Morgan assignor to said Davis. Draft connection and control for gang disk plows. No. 1,257,281; Feb. 19; v. 247; p. 711.
Davis, John H., and J. W. Morgan, Stockton, Cal.; said Morgan assignor to said Davis. Draft connection and control for gang disk plows. No. 1,257,282; Feb. 19; v. 247; p. 712.
Davis, John T., Alameda, Cal. Apparatus for evaporating sugar and the like. No. 1,263,747; Apr. 23; v. 249; p. 851.
Davis, John T., Alameda, assignor of one-half to J. Rothschild, San Francisco, Cal. Emulsifying apparatus. No. 1,269,399; June 11; v. 251; p. 392.
Davis, John W. (See Lewis, Joel R., assignor.)
Davis, Joseph F. (See Tverdahl, Edward A., assignor.)

Davis, Josephine K., Maywood, Ill. Shield or cover for hot-air flues. No. 1,274,996; August 6; v. 53; p. 186.
Davis, Lawrence E. (See Collins, John W. B., assignor.)
Davis, Laurence W., Vega Alta, Porto Rico. Gasolene-tank filler. No. 1,274,517; Aug. 6; v. 253; p. 51.
Davis, Lemuel R., Hopkinsville, and D. F. Gates, Fruithill, Ky. Spading and digging plow. No. 1,272,231; July 9; v. 252; p. 448.
Davis, Leslie W. (See Bragdon, Charles M., assignor.)
Davis, Lewis F., Bowie, Tex. Cistern-cleaner. No. 1,265,434; May 7; v. 250; p. 155.
Davis, M. M. (See Aydelott, Jacob S., assignor.)
Davis Machine Tool Co. (See Plantinga, Peter, assignor.)
Davis, Madison T., Jr., assignor to Kanawha Manufacturing Company, Charleston, W. Va. Fastening for hub-covers and the like. No. 1,257,585; Feb. 26; v. 247; p. 835.
Davis Manufacturing Company. (See Richmond, George E., assignor.)
Davis, Mary D. (See Davis, Harold S. and M. D.)
Davis, Miriam K., St. Louis, Mo. Noise-reducing typewriter support or stand. No. 1,253,473; Jan. 15; v. 246; p. 655.
Davis, Monroe, Enid, Okla. Grain-saver. No. 1,264,023; Apr. 23; v. 249; p. 928.
Davis, Monroe, Enid, Okla. Reducer for grain-sackers. No. 1,264,024; Apr. 23; v. 249; p. 928.
Davis, Monroe, Enid, Okla. Grain-cleaner. No. 1,271,545; July 9; v. 252; p. 255.
Davis, Morton, New York, N. Y. Nut and fruit bowl. No. 1,277,200; Aug. 27; v. 253; p. 885.
Davis, Nathan, Boston, Mass. Cloth-measuring machine. No. 1,266,923; May 21; v. 250; p. 627.
Davis, Owen, Waelder, Tex. Cultivator-canopy. No. 1,275,664; Aug. 13; v. 253; p. 395.
Davis, Paul A., Sequin, Wash. Toy. No. 1,254,887; Jan. 29; v. 246; p. 1114.
Davis, Rae W., West Allis, and R. B. Williamson, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine. No. 1,279,666; Sept. 24; v. 254; p. 712.
Davis, Raymond V., Denver, Colo. Heel-protector. No. 1,274,692; Aug. 6; v. 253; p. 101.
Davis, Raymond V., Denver, Colo. Safety-catch for pins. No. 1,276,183; Aug. 20; v. 253; p. 571.
Davis, Raymond V., Denver, Colo. Combined cream-separator and bottle-stopper. No. 1,279,667; Sept. 24; v. 254; p. 713.
Davis, Richard M., West Pittston, Pa. Automatic carriage for type-writing machines. No. 1,261,718; Apr. 2; v. 249; p. 205.
Davis, Robert, *et al.* (See Davis, Henry J., assignor.)
Davis, Robert W., East Orange, N. J. Universal joint. No. 1,270,602; June 25; v. 251; p. 778.
Davis, Robert W., East Orange, N. J. Propulsion of vessels. No. 1,270,603; June 25, v. 251; p. 778.
Davis, Samuel, New York, N. Y. Film for kinetoscopes or moving-picture machines. No. 1,271,673; July 9; v. 252; p. 291.
Davis, Stephen J., assignor of one-fourth to W. P. Jordan, Willimantic, Conn. Metal shingle. No. 1,269,583; June 18; v. 251; p. 473.
Davis, Theron, New York, N. Y. Soft-seated valve. No. 1,281,303; Oct. 15; v. 255; p. 385.
Davis, Thomas. (See Eidson, Davis, and Crouse.) (Reissue.)
Davis, Thomas C., New Waverly, Tex. Churn-dasher. No. 1,258,095; Mar. 5; v. 248; p. 43.
Davis, Thomas C., Philadelphia, Pa. Non-skidding attachment for wheels. No. 1,278,605; Sept. 10; v. 254; p. 370.
Davis, Thomas J., San Francisco, Cal. Can container and server. No. 1,265,435; May 7; v. 250; p. 155.
Davis, Thomas J., assignor to Liquid Container & Server Corporation, San Francisco, Cal. Milk-can container and server. (Reissue.) No. 14,456; Apr. 2; v. 249; p. 216.
Davis, Tomie, Leggett, Tex. Mail-bag catcher. No. 1,260,521; Mar. 26; v. 248; p. 845.
Davis-Watkins Dairymen's Mfg. Co. (See Nicoll, William R., assignor.)
Davis, William H., trustee. (See Snyder, George C., assignor.)
Davis, William I., Little Rock, Ark. Safety device for combustible-liquid containers. No. 1,266,665; May 21; v. 250; p. 555.
Davis, William J., Chicago, Ill. Temperature-changing apparatus. No. 1,272,232; July 9; v. 252; p. 448.
Davis, William J., Chicago, Ill. Milk-bottle and cap. No. 1,279,288; Sept. 17; v. 254; p. 583.
Davis, William J., Jr., and A. P. Nirdlinger, Chicago, Ill. Adjustable flood and spot light. (Reissue.) No. 14,428; Jan. 29; v. 246; p. 1177.
Davis, William L. (See Guettler and Davis.)
Davis, William L., Bond, Miss. Spring-wheel. No. 1,260,153; Mar. 19; v. 248; p. 704.
Davis, William L., C. D. Smith, and R. O. Bright, assignors to Arvac Manufacturing Company, Anderson, Ind. Universal joint. No. 1,263,748; Apr. 23; v. 249; p. 852.
Davis, William M., Cambridge, assignor of one-eighth to R. M. Gardiner, Belmont, Mass., one-eighth to W. D. Hemming, Colorado Springs, Colo., and one-fourth to R. M. Gardiner, executor. Hydraulic transmission mechanism. No. 1,274,391; Aug. 6; v. 253; p. 13.
Davis, William S., Sacramento, assignor of one-half to C. E. Emerson, Susanville, Cal. Water-heater. No. 1,260,757; Mar. 26; v. 248; p. 915.
Davis, William S., Sacramento, assignor of one-half to C. E. Emerson, Susanville, Cal. Burner. No. 1,260,758; Mar. 26; v. 248; p. 916.
Davis, William T., *et al.* (See Smith, James A., assignor.)
Davis, Willis M., Concord, Mass. Tray-support. No. 1,272,015; July 9; v. 252; p. 387.
Davison, Dorsett A., Richmond, Va. Internal-combustion engine. No. 1,271,137; July 2; v. 252; p. 108.
Davison, George E., Silsbee, Tex. Car-loading device. No. 1,272,633; July 16; v. 252; p. 588.
Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Relief-valve control for Diesel engines. No. 1,254,780; Jan. 29; v. 246; p. 1080.
Davison, Gregory C., New London, Conn., assignor to Electric Boat Company. Clutch. No. 1,255,715; Feb. 5; v. 247; p. 174.
Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Spray-valve for Deisel engines. No. 1,258,096; Mar. 5; v. 248; p 43.
Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Apparatus for aiming and launching automobile torpedoes. No. 1,265,753; May 14; v. 250; p. 271.
Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Engine-driven air system for Diesel engines. No. 1,279,085; Sept. 17; v. 254; p. 529.
Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Foundation construction for reciprocating engines. No. 1,284,255; Nov. 12; v. 256; p. 243.
Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Spray-valve control for Diesel engines. No. 1,289,689; Dec. 31; v. 257; p. 979.
Davison, Gregory C., and J. W. Anderson, New London, Conn., assignors to Electric Boat Company, New York, N. Y. Single-acting Diesel engine. No. 1,258,658; Mar. 12; v. 248; p. 246.
Davison, John A., Franklin, Alaska. Bullet. No. 1,252,325; Jan. 1; v. 246; p. 255.
Davison, Orin H., assignor to Blair Engineering Company, Chicago, Ill. Reversing apparatus for regenerative furnaces. No. 1,269,165; June 11; v. 251; p. 326.
Davison, Thomas. (See Henrikson and Davison.)
Davison, William E., Hammer, Wash. Tractor. No. 1,271,546; July 9; v. 252; p. 255.
Davol, George K., assignor, by mesne assignments, to P. H. Reardon, San Francisco, Cal. Valve for air-compressors and the like. No. 1,254,781; Jan. 29; v. 246; p. 1081.
Davol Rubber Company. (See Caldwell, Edwin M., assignor.)
Davoplane Bed Company. (See Freedman, Hyman and N. M., assignors.)
Davoran, Michael F., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Dipping mechanism. No. 1,255,083; Jan. 29; v. 246; p. 1166.
Davoran, Michael F., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Drying mechanism for electroplating apparatus. No. 1,279,086; Sept. 17; v. 254; p. 530.
Dawbarn, Waring L., Hartsdale, N. Y. Water-heating attachment for stoves. No. 1,252,553; Jan. 8; v. 246; p. 356.
Dawes, Chester L. (See Laws and Dawes.)
Dawes, Claude T., Johnstown, N. Y. Revolving door. No. 1,273,463; July 23; v. 252; p. 841.
Dawes, Edmund, *et al.* (See Dawes, Robert, assignor.)
Dawes, Robert, Philadelphia, Pa., assignor of one-third to E. H. Haskell, Newton, Mass., and one-third to E. Dawes, Philadelphia, Pa. Rope-making machine. No. 1,273,748; July 23; v. 252; p. 916.
Dawley, James S., New York, N. Y. Making motion-pictures. No. 1,278,117; Sept. 10; v. 254; p. 239.
Dawn, Norman, Venice, Cal. Cinematographic-picture composition. No. 1,269,061; June 11; v. 251; p. 298.
Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, England. Automatic gun. No. 1,262,181; Apr. 9; v. 249; p. 366.
Dawson, Arthur T., and G. T. Buckham, Westminster, London, England, assignors to Vickers Limited, Westminster, England. Gun-carriage. No. 1,266,924; May 21; v. 250; p. 627.
Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Gun-mounting. No. 1,267,854; May 28; v. 250; p. 915.
Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, England. Mounting for automatic guns. No. 1,272,393; July 16; v. 252; p. 521.

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Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Breech-loading ordnance. No. 1,289,690; Dec. 31; v. 257; p. 979.
Dawson, Arthur T., Westminster, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Controlling apparatus for use in connection with hydraulic pumps. No. 1,270,794; July 2; v. 252; p. 10.
Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, London, England. Elevating mechanism of heavy guns. No. 1,274,518; Aug. 6; v. 253; p. 51.
Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminister, London, England. Ammunition-hoisting apparatus. No. 1,289,691; Dec. 31; v. 257; p. 979.
Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, London, England. Elevating mechanism of heavy guns. No. 1,289,692; Dec. 31; v. 257; p. 979.
Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, London, England. Elevating mechanism of heavy guns. No. 1,289,693; Dec. 31; v. 257; p. 980.
Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminister, London, England. Ammunition hoisting and loading apparatus. No. 1,289,694; Dec. 31; v. 257; p. 980.
Dawson, Charles B., Seattle, Wash. Apparatus for raising sunken vessels. No. 1,262,460; Apr. 9; v. 249; p. 443.
Dawson, David, Elmira, N. Y. Motor-cycle supporting, balancing, and braking means. No. 1,266,418; May 14; v. 250; p. 454.
Dawson, Donald, Victoria, British Columbia, Canada. Templet. No. 1,252,328; Jan. 1; v. 246; p. 255.
Dawson, Ernest N. (See Scofield and Dawson.)
Dawson, Frank G., Scottsville, Va. Spring-wheel. No. 1,271,138; July 2; v. 252; p. 108.
Dawson, Harry J., Birmingham, Ala. Tire. No. 1,258,879; Mar. 12; v. 248; p. 310.
Dawson Metallurgical Furnace Company. (See Dawson, Oliver B., assignor.)
Dawson, Oliver B., El Paso, Tex., assignor to Dawson Metallurgical Furnace Company. Metallurgical process. No. 1,277,047; Aug. 27; v. 253; p. 842.
Dawson, Sidney, assignor of one-half to W. Robertson, Chicago, Ill. Theft-preventing signal. No. 1,257,461; Feb. 26; v. 247; p. 797.
Dawson, Sidney, assignor of one-half to W. Robertson, Chicago, Ill. Grease-cup. No. 1,268,688; June 4; v. 251; p. 175.
Dawson, William R. (See Cooley, William I., assignor.)
Daxe, Mayer, New York, N. Y. Antiskid device for vehicle-wheels. No. 1,274,392; Aug. 6; v. 253; p. 13.
Day, David T. (See Day, Roland B. and D. T.)
Day, David T., Washington, D. C., assignor to V. Z. Reed, Denver, Colo. Extraction of hydrocarbon products from shales and coal. No. 1,280,178; Oct. 1; v. 255; p. 16.
Day, Edgar K., assignor to Whitaker-Glessner Company, Wheeling, W. Va. Screw. No. 1,260,154; Mar. 19; v. 248; p. 704.
Day, Edgar K., assignor, by mesne assignments, to Whitaker-Glessner Company, Wheeling, W. V. Metal furring-strip. No. 1,253,216; Jan. 15; v. 246; p. 578.
Day, Frederic H. Hopewell, Va. Car-door lock and seal. No. 1,258,659; Mar. 12; v. 248; p. 246.
Day, George E., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Rolling-mill-operating mechanism. No. 1,280,677; Oct. 8; v. 255; p. 182.
Day, George H. (See Bugbee and Day.)
Day, George H., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,258,097; Mar. 5; v. 248; p. 44.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Goggles. No. 1,265,625; May 7; v. 250; p. 204.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Temple. No. 1,266,223; May 14; v. 250; p. 404.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Trial-frame. No. 1,266,224; May 14; v. 250; p. 404.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,266,225; May 14; v. 250; p. 404.
Day, George H., Rochester, N. Y., assignor to American Optical Company, Southbridge, Mass. Temple. No. 1,271,020; July 2; v. 252; p. 76.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,271,859; July 9; v. 252; p. 341.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Lens-frames. No. 1,273,830; July 30; v. 252; p. 977.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,278,444; Sept. 10; v. 254; p. 325.
Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,282,050; Oct. 22; v. 255; p. 626.
Day, George H., and H. H. Styll, assignors to American Optical Company, Southbridge, Mass. Display device. No. 1,266,222; May 14; v. 250; p. 403.
Day, Harry L., assignor of one-half to C. E. Riglesberger, Paducah, Ky. Direction-indicator. No. 1,285,638; Nov. 26; v. 256; p. 671.
Day, John A., Santa Clara, Cal. Reversible offset for plows. No. 1,262,182; Apr. 9; v. 249; p. 366.
Day, Medicus. (See Adams and Day.)
Day, Omar H. (See Remy, Day and Remy.)
Day, Richard M., Hudson, S. D. Gas-engine. No. 1,253,159; Jan. 8; v. 246; p. 533.
Day, Roland B., Swarthmore, Del., and D. T. Day, Washington, D. C. Treatment of hydrocarbon materials. No. 1,280,179; Oct. 1; v. 255; p. 17.
Day, Thomas M., Windfall, Ind. Check. No. 1,266,226; May 14; v. 250; p. 404.
Day, Wilbur F., St. Paul, Minn. Valve for gas-burners. No. 1,254,211; Jan. 22; v. 246; p. 885.
Day, William A., assignor to Gorham Manufacturing Company, Providence, R. I. Combined chalice and paten. No. 1,251,646; Jan. 1; v. 246; p. 62.
Day, William M., Smith's Falls, Ontario, Canada. Collapsible bucket. No. 1,289,410; Dec. 31; v. 257; p. 912.
Day, William P., *et al.* (See Arthur, Roy L., assignor.)
Dayley, Charles W., Burley, Idaho. Water-gate. No. 1,287,574; Dec. 10; v. 257; p. 376.
Daylight Cinema Corporation. (See Ponon, Saul, assignor.)
Days, William J., Dorchester, Mass. Sliding-door hanger. No. 1,251,483; Jan. 1; v. 245; p. 9.
Days, William J., Boston, Mass. Saw-sharpening machine. No. 1,274,012; July 30; v. 252; p. 1028.
Daysh, Norman J., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Milking machinery. No. 1,255,141; Feb. 5; v. 247; p. 8.
Daysh, Norman J., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Milking machinery. No. 1,276,184; Aug. 20; v. 253; p. 571.
Dayton Adding Machine & Time Lock Company, The. (See Croninger, Richard H., assignor.)
Dayton Adding Machine and Time Lock Co., The. (See Keefer, Thomas A., assignor.)
Dayton Engineering Laboratories Company, The. (See Chryst, William A., assignor.)
Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
Dayton Engineering Laboratories Company, The. (See Kettering, Charles F., assignor.)
Dayton Engineering Laboratories Company, The. (See Kettering and Chryst, assignors.)
Dayton Engineering Laboratories Company, The. (See Langner, Lawrence, assignor.)
Dayton, Frank E., Los Angeles, Cal. Dispensing and measuring pump. No. 1,277,699; Sept. 3; v. 254; p. 103.
Dayton, Frederick M., New York, N. Y. Toy-balloon valve. No. 1,251,758; Jan. 1; v. 246; p. 95.
Dayton, James M., assignor, by mesne assignments, to The Torrington Company, Torrington, Conn. Ignition system for gas-engines. No. 1,269,062; June 11; v. 251; p. 298.
Dayton Manufacturing Company, The. (See Eckert, Joseph, assignor.)
Dayton Manufacturing Company, The. (See Eckert and Kirby, assignors.)
Dayton Manufacturing Company, The. (See Kirby, John, Jr., assignor.)
Dayton Manufacturing Company, The. (See Kirby and Scullin, assignors.)
Dayton Metal Products Company, The. (See Rinehart, Howard M., assignor.)
Dayton Steel Foundry Company, The. (See Leoni, Alfons M., assignor.)
De Aguiar, Abelardo, Habana, Cuba. Platform-scale. No. 1,271,440; July 2; v. 252; p. 191.
De Alcala, Benjamin, New Orleans, La. Telegraph-key. No. 1,265,887; May 14; v. 250; p. 309.
De Arazoza, Rafael, Habana, Cuba. Means for raising sunken vessels. No. 1,274,230; July 30; v. 252; p. 1091.
De Arrigunaga, Manuel, New York, N. Y. Motor-vehicle. No. 1,276,335; Aug. 20; v. 253; p. 612.
De Arrigunaga, Manuel, New York, N. Y. Starting apparatus for internal-combustion engines. No. 1,283,103; Oct. 29; v. 255; p. 943.
De Barros, Jose. (See Martin, John, assignor.)
De Bijll Nachenius, Henri A. J., assignor to Naamlooze Vennootschap "Werf Conrad," Haarlem, Netherlands. Packing means for the shafts of centrifugal pumps. No. 1,273,648; July 23; v. 252; p. 891.
De Bolt, Charles L. and D., Des Moines, Iowa. Swingle-tree safety trace-holding device. No. 1,251,968; Jan. 1; v. 246; p. 155.
De Bolt, David. (See De Bolt, Charles L. and D.)
De Brayer, Alfred, Paris, France. Substance for use in photography and making the same. No. 1,277,048; Aug. 27; v. 253; p. 842.
De Camp, Joseph W., Elkhorn, Mont. Package-tie. No. 1,267,539; May 28; v. 250; p. 853.

De Camp, Ray E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. No. 1,289,649; Dec. 31; v. 257; p. 969.
De Camp, Roy L., assignor to Baker Iron Works, Los Angeles, Cal. Limit device for electric elevators. No. 1,258,393; Mar. 5; v. 248; p. 129.
De Camp and Sloan. (See Dooley, James H., assignor.)
De Camps, John F., Danville, Ill. Tube for paste, &c. No. 1,279,290; Sept. 17; v. 254; p. 584.
De Carmona, Manuel S., Mexico, Mexico. Elastic wheel. No. 1,272,923; July 16; v. 252; p 671.
De Castro-Danziger, Georgina. (See Rider, Thomas B., assignor.)
De Castro-Danziger, Georgina, (*née* McClellan.) (See Rider, Thomas B., assignor.)
De Cew, Judson A., Montreal, Quebec, Canada. Wood-preservative and making same. No. 1,283,104; Oct. 29; v. 255; p. 943.
De Cew, Judson A., Montreal, Quebec, Canada. Wood-preservative treatment. No. 1,283,105; Oct. 29; v. 255; p. 943.
De Cew, Judson A., Montreal, Quebec, Canada. Bed-plate and segment for beating-engines and the like. No. 1,287,905; Dec. 17; v. 257; p. 491.
De Chime, Paul, Youngstown, Ohio. Strainer for pump-wells. No. 1,267,315; May 21; v. 250; p. 734.
De Clamecy, Philippe, Charlestown, Mass., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,266,560; May 21; v. 250; p. 524.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,871; Sept. 17; v. 254; p. 471.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,872; Sept. 17; v. 254; p. 471.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,874; Sept. 17; v. 254; p. 472.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,875; Sept. 17; v. 254; p. 472.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,876; Sept. 17; v. 254; p. 473.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,877; Sept. 17; v. 154; p. 473.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,878; Sept. 17; v. 254; p. 473.
De Clamecy, Philippe, Boston, Mass., assignor to Corona Typewriter Company. Type-writing machine. No. 1,280,678; Oct. 8; v. 255; p. 182.
De Clamecy, Philippe, Charlestown, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,873; Sept. 17; v. 254; p. 472.
De Coe, Culver A., *et al.* (See Smith, Ulysses S., assignor.)
De Collibus, Pantaleone A., Worcester, Mass. Rim-contracting device. No. 1,279,291; Sept. 17; v. 254; p. 584.
De Courcey, Whilma L., Buffalo, N. Y. Protector. No. 1,254,483; Jan. 22; v. 246; p. 963.
De Cristofaro, Michele, New York, N. Y. Light-projecting apparatus. No. 1,280,968; Oct. 8; v. 255; p. 261.
De Does, Peter J., assignor to The Toledo Parlor Furniture Company, Toledo, Ohio. Sofa-bed. No. 1,288,529; Dec. 24; v. 257; p. 671.
De Escobales, Hilarion, Tompkinsville, N. Y. Nail-capping machine. No. 1,272,634; July 16; v. 252; p. 588.
De Falco, Joseph, Vineland, N. J. Interchangeable garden-tool. No. 1,273,464; July 23; v. 252; p. 842.
De Fir, Jesse, Paragould, Ark. Air-gun. No. 1,259,463; Mar. 12; v. 248; p. 476.
De Florez, Luis, Short Hills, N. J. Optical instrument. No. 1,264,374; Apr. 30; v. 249; p. 1058.
De Foreest, Earl J. W., Tulsa, Okla. Identification-tag. No. 1,260,156; Mar. 19; v. 248; p. 705.
De Forest, Edgar A., assignor to Marvel Machinery Company, Minneapolis, Minn. Boring-machine. No. 1,278,607; Sept. 10; v. 254; p. 370.
De Ganner, Bertrand, St. Louis, Mo. Broiler. No. 1,279,668; Sept. 24; v. 254; p. 713.
De Garmo, Perry A., Stratton, Nebr. Subpacking-ring for disks. No. 1,264,025; Apr. 23; v. 249; p. 929.
De Geyter, Gustave J., Philadelphia, Pa. Advertising device. No. 1,255,987; Feb. 12; v. 247; p. 294.
De Graw, Harold M., New London, Conn., assignor to Electric Boat Company. Bridge for submarines. No. 1,274,694; Aug. 6; v. 253; p. 101.
De Guenther, Edward J., Milwaukee, Wis. Ventilating system for sanitary toilets. No. 1,289,124; Dec. 31; v. 257; p. 839.
De Hart, Isaac N. (See Hart and De Hart.)
De Haven, Benjamin H. (See Crowe and De Haven.)
De Khotinsky, Achilles, Chicago, Ill. Integrating-meter. No. 1,285,066; Nov. 19; v. 256; p. 487.
De Kleris, Andreas, Visalia, Cal. Meat-cutting machine. No. 1,272,233; July 9; v. 252; p. 448.
De La Matyr, Elias B., Los Angeles, Cal. Double-acting-diaphragm rotary gas-meter. No. 1,273,042; July 16; v. 252; p. 703.
De la Mota, Francisco E., San Pedro de Macoris, Dominican Republic. Egg-receptacle. No. 1,267,988; May 28; v. 250; p. 951.
De la Parra, Fermin, Valparaiso, Chile. Means for attaching buttons. No. 1,278,446; Sept. 10; v. 254; p. 325.
De Labaume, Charles D., Bordeaux, France. Toilet cabinet. No. 1,263,384; Apr. 23; v. 249; p. 755.
De Lano, Charles B., assignor to Kalamazoo Stove Company, Kalamazoo, Mich. Conduit. No. 1,284,064; Nov. 5; v. 256; p. 165.
De Lano, Fred C., Los Angeles, Cal. Coin-operated shoe-polishing machine. No. 1,283,106; Oct. 29; v. 255; p. 944.
De Laski and Thropp Circular Woven Tire Company, The. (See Morris, Howard I., assignor.)
De Laval, Carl G., Orange, N. J., assignor to Henry R. Worthington. Centrifugal pump. No. 1,269,063; June 11; v. 251; p. 299.
De Laval, Carl G., Orange, N. J., assignor to Henry R. Worthington, New York, N. Y. Frangible clamping-piece for frost-proof meters. No. 1,269,064; June 11; v. 251; p. 299.
De Laval, Carl G., Orange, N. J., and R. Heimbecker, New York, N. Y., assignors to Henry R. Worthington. Compound meter. No. 1,251,484; Jan. 1; v. 245; p. 10.
De Laval Separator Company, The. (See Daysh, Norman J., assignor.)
De Laval Separator Company, The. (See Forsyth, Robert B., assignor.)
De Laval Separator Company, The. (See Leitch, Meredith, assignor.)
De Laval Separator Company, The. (See Leitch and Wright, assignors.)
De Laval Separator Company, The. (See Snyder, Frank S., assignor.)
De Laval Separator Company, The. (See Wright, Bert R., assignor.)
De Lavaud, Dimitri S., New York, N. Y. Centrifugal casting-machine. No. 1,276,038; Aug. 20; v. 253; p. 530.
De Lavaud, Dimitri S., New York, N. Y. Heat treatment for centrifugally-cast pipes. No. 1,280,418; Oct. 1; v. 255; p. 84.
De Lavaud, Dimitri S., New York, N. Y. Rotary casting. No. 1,286,555; Dec. 3; v. 257; p. 91.
De Lavaud, Dimitri S., São Paulo, Brazil, assignor to Flockhart Ring Casting Co., Newark, N. J. Centrifugal casting-machine. No. 1,257,325; Feb. 26; v. 247; p. 759.
De Lay, Theodore S., Creston, Iowa. Level and rule measuring instrument. No. 1,274,696; Aug. 6; v. 253; p. 102.
De Lay, Eli M., Chattanooga, Tenn. Fluid-pressure-operated apparatus for stopping automobiles or the like. No. 1,253,357; Jan. 15; v. 246; p. 621.
De Leon, Paul A., Bayonne, N. J., assignor to The Clothel Company, New York, N. Y. Means for boring or reaming. No. 1,264,492; Apr. 30; v. 249; p. 1092.
De Lhorbe, William, Oregon, Ill. Seal for burial-vaults. No. 1,281,304; Oct. 15; v. 255; p. 385.
De Loe, Edward G., Jamestown, N. Y. Spring. No. 1,285,642; Nov. 26; v. 256; p. 672.
De Long, Charles E., assignor to Illinois Watch Company, Springfield, Ill. Watch. No. 1,283,476; Nov. 5; v. 256; p. 11.
De Long, Ernest, *et al.* (See Archer, John, assignor.)
De Long, Frederic T., assignor to Chicago Railway Equipment Company, Chicago, Ill. Third and fourth point support for brake-beams. No. 1,278,608; Sept. 10; v. 254; p. 370.
De Long Hook and Eye Company, The. (See Galt, William J., Jr., assignor.)
De Long, Oscar, Conesville, Ohio. Railway tie-holder. No. 1,252,249; Jan. 1; v. 246; p. 234.
De Lorme, Alfred C., East Orange, assignor to Splitdorf Electrical Company, Newark, N. J. Ignition system. No. 1,258,098; Mar. 5; v. 248; p. 44.
De Lorme, Alfred C., Newark, N. J., assignor to Splitdorf Electrical Company. Interrupter mechanism for ignition-dynamos. No. 1,270,385; June 25; v. 251; p. 718.
De Luca, Francesco *et al.* (See Bertolini, and Cappelletti, assignors.)
De Luce, Robert, Oakland, Cal. Treating sulfid ores of lead. No. 1,251,485; Jan. 1; v. 245; p. 10.
De Lukacsevics, Charles, assignor, by mesne assignments, to E. Loffler, New York, N. Y. Carbureter. No. 1,255,716; Feb. 5; v. 247; p. 174.
De Lukacsevics, Charles, assignor, by mesne assignments, to E. Loffler, New York, N. Y. Carbureter. No. 1,257,195; Feb. 19; v. 247; p. 685.
De Luxe Brush Company, The. (See Loeben, Gustave A., assignor.)
De Marco, Charles, Rochester, N. Y. Combination illuminating-light and camera. No. 1,272,635; July 16; v. 252; p. 589.
De Marco, Frank, New York, N. Y. Motor-tractor. No. 1,256,527; Feb. 19; v. 247; p. 490.
De Martini, Paul, Jamaica, N. Y. Drier for alimentary paste. No. 1,276,500; Aug. 20; v. 253; p. 659.
De Martini, Paul, Jamaica, N. Y. Drying apparatus for alimentary paste, &c. No. 1,278,708; Sept. 10; v. 254; p. 399.

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De Mattei, Alfred. (See Reily and De Mattei.)
De Mattia, Barthold. (See De Mattia, Peter and B.)
De Mattia, Peter and B., Clifton, N. J. Vulcanizing-press. No. 1,287,256; Dec. 10; v. 257; p. 300.
De Mers, Edgar A., Seattle, Wash. Vapor-controlling valve for internal-combustion engines. No. 1,266,422; May 14; v. 250; p. 456.
De Mey, Charles F., Los Angeles, Cal. Rotary engine. No. 1,285,566; Nov. 19; v. 256; p. 613.
De Meyer, Camiel, Blythe, Cal. Repairing levee-breaks. No. 1,254,717; Jan. 29; v. 246; p. 1060.
De Meyer, Camiel, Blythe, Cal. Water-level indicator for irrigation-ditches and the like. No. 1,267,061; May 21; v. 250; p. 666.
De Minico, Charles, Portsmouth, Ohio, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-leveling machine. No. 1,266,000; May 14; v. 250; p. 341.
De Minico, Frank, assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Printing mechanism. No. 1,251,969; Jan. 1; v. 246; p. 155.
De Montluzin, Albert, Cincinnati, Ohio, and A. G. Lynn, assignors to Liggett & Meyers Tobacco Co., New York, N. Y. Cigarette-package holder and ash-tray. No. 1,255,989; Feb. 12; v. 247; p. 295.
De Mott, Theron W., Oxford, Wis. Vending-machine. No. 1,268,331; June 4; v. 251; p. 74.
De Nazaris, Marcelino B., New York, N. Y. Game. No. 1,267,316; May 21; v. 250; p. 735.
De Nederlandsche Thermo-Telephoon Maatschappij. (See Zwaardemaker, Hendrik, assignor.)
De Nobili, Frank P., Vancouver, British Columbia, Canada. Mail-box. No. 1,275,136; Aug. 6; v. 253; p. 224.
De Orlow, Stephen O., assignor to Woods Motor Vehicle Company, Chicago, Ill. Heating system for automobiles. No. 1,278,880; Sept. 17; v. 254; p. 474.
De Paolini, Pietro, Milan, Italy. Process and apparatus for autogenous welding. No. 1,262,653; Apr. 16; v. 249; p. 526.
De Pass, Addison R., Columbia, S. C. Sling-shot. No. 1,277,701; Sept. 3; v. 254; p. 103.
De Pass, Isidore O. (See Testa, Giuseppe, assignor.)
De Polo, Italo A., Connellsville, Pa. Screening or separating machine. No. 1,274,015; July 30; v. 252; p. 1028.
De Polo, Italo A., Connellsville, Pa. Screening and separating machine. No. 1,274,014; July 30; v. 252; p. 1029.
De Reamer, Frank C., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,266,424; May 14; v. 250; p. 456.
De Reamer, Frank C., Schenectady, N. Y., assignor to General Electric Company. Electric vacuum-cleaner. No. 1,282,548; Oct. 22; v. 255; p. 763.
De Right, Elon J. (See Shull and De Right.)
De Rochemont, Perkins H., Louisville, Ky. Shoe-last. No. 1,281,305; Oct. 15; v. 255; p. 385.
De Roja, Victor, Bloomfield, N. J. Bolt. No. 1,259,214; Mar. 12; v. 248; p. 404.
De Roode, Trimble, New York, N. Y. Combined typewriting and printing machine. No. 1,254,583; Jan. 22; v. 246; p. 991.
De Rosa, Humberto J., New York, N. Y. Protecting-armor for airplanes. No. 1,287,910; Dec. 17; v. 257; p. 492.
De Santis, Louis. (See De Santis, Nicholas and L.)
De Santis, Nicholas and L., Brooklyn, N. Y. Stamping-machine. No. 1,260,158; Mar. 19; v. 248; p. 705.
De Saulles, Charles A., New York, N. Y. Treating zinc. No. 1,274,249; July 30; v. 252; p. 1095.
De Saulles, Charles A. H., New York, N. Y. Apparatus for treating zinc. No. 1,279,292; Sept. 17; v. 254; p. 584.
De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Feeding device for stay-applying machines. No. 1,263,535; Apr. 23; v. 249; p. 796.
De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Feeding device for stay-applying machines. No. 1,263,536; Apr. 23; v. 249; p. 796.
De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Safety operating mechanism. No. 1,280,970; Oct. 8; v. 255; p. 261.
De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Safety operating mechanism. No. 1,280,971; Oct. 8; v. 255; p. 262.
De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Box-staying machine and the like. No. 1,286,873; Dec. 3; v. 257; p. 163.
De Soto, Fred J., assignor of one-third to C. F. Kaiser, and one-third to W. H. Morris, Valley Springs, Cal. Automatic safety-brake. No. 1,251,871; Jan. 1; v. 246; p. 129.
De Soto, Fredrick J., assignor of one-half to C. F. Kaiser, Valley Springs, Cal. Automatic safety-brake. No. 1,281,530; Oct. 15; v. 255; p. 448.
De Stefan, Tony, Lattimer Mines, Pa. Nail-set. No. 1,264,904; May 7; v. 250; p. 9.
De Steiger, Joseph L., La Salle, Ill. Necktie-retainer. No. 1,263,214; Apr. 16; v. 249; p. 687.
De Tamble, Percy F., assignor of one-half to F. Sampson and one-half to I. H. Stone, Chicago, Ill. Flushing-valve. No. 1,255,587; Feb. 5; v. 247; p. 138.
De Tartas, Augustus R. (See Mladinich, Frank, assignor.)
De Tullio, Angelo, Albuquerque, N. Mex. Laundry-register. No. 1,266,426; May 14; v. 250; p. 457.
De Vaughn, Clyde T., Parkersburg, W. Va. Insulator. No. 1,257,983; Mar. 5; v. 248; p. 10.
De Vaughn, Harry E., assignor to W. A. Jones, Morgantown, W. Va. Glass-furnace. No. 1,274,146; July 30; v. 252; p. 1066.
De Vault, James W., Savannah, Ga. Jack. No. 1,288,390; Dec. 17; v. 257; p. 608.
De Ved, Charles, and J. Kissick, Jr., New York, N. Y. Boiler-tube cleaner. No. 1,255,988; Feb. 12; v. 247; p. 294.
De Vey, Charles H., and E. E. Peterson, Buhl, Minn. Machine for raising and throwing railway-tracks. No. 1,264,376; Apr. 30; v. 249; p. 1059.
De Vilbiss, Allen, Jr., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,259,455; Mar. 12; v. 248; p. 473.
De Vilbiss Manufacturing Company, The. (See De Vilbiss, Thomas A., assignor.)
De Vilbiss Manufacturing Company, The. (See De Vilbiss and Mueller, assignors.)
De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Combined aspirating and vaporizing instrument. No. 1,266,228; May 14; v. 250; p. 404.
De Vilbiss, Thomas A., and G. Mueller, assignors to The De Vilbiss Manufacturing Company, Toledo, Ohio. Air-brush. No. 1,260,522; Mar. 26; v. 248; p. 846.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,251,872; Jan. 1; v. 246; p. 129.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,251,873; Jan. 1; v. 246; p. 130.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,251,970; Jan. 1; v. 246; p. 155.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Throat-plate for double-chain-stitch machines. No. 1,254,214; Jan. 22; v. 246; p. 886.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine loop-taker mechanism. No. 1,256,880; Feb. 19; v. 247; p. 594.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Lower-thread mechanism for chain-stitch sewing-machines. No. 1,257,464; Feb. 26; v. 247; p. 798.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Driving device. No. 1,260,760; Mar. 26; v. 248; p. 916.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Work-guiding device for sewing-machines. No. 1,263,869; Apr. 23; v. 249; p. 885.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Multiple-tuck folder for sewing-machines. No. 1,263,870; Apr. 23; v. 249; p. 886.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Tape-controlling device. No. 1,267,520; May 28; v. 250; p. 819.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Rotary-hook sewing-machine. No. 1,269,686; June 18; v. 251; p. 502.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Presser-foot mechanism for sewing-machines. No. 1,270,929; July 2; v. 252; p. 50.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Hemming attachment for sewing-machines. No. 1,271,291; July 2; v. 252; p. 152.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Ruffling mechanism for sewing-machines. No. 1,273,156; July 23; v. 252; p. 760.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Lower-thread control for chain-stitch machines. No. 1,273,157; July 23; v. 252; p. 760.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine binder. No. 1,275,159; Aug. 6; v. 253; p. 230.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Presser-foot-lifting mechanism for sewing-machines. No. 1,279,088; Sept. 17; v. 254; p. 530.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Seam for sewed articles. No. 1,279,846; Sept. 24; v. 254; p. 764.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Seam for sewed articles. No. 1,279,847; Sept. 24; v. 254; p. 764.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Stitch-forming mechanism for sewing-machines. No. 1,280,680; Oct. 8; v. 255; p. 183.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,280,681; Oct. 8; v. 255; p. 183.

De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Ornamental-stitch sewing-machine. No. 1,283,477; Nov. 5; v. 256; p. 11.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Looper-actuating mechanism for sewing-machines. No. 1,283,478; Nov. 5; v. 256; p. 11.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Tape-reel for sewing-machines. No. 1,286,956; Dec. 10; v. 257; p. 223.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Ornamental seam for sewed articles. No. 1,286,957; Dec. 10; v. 257; p. 223.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,288,391; Dec. 17; v. 257; p. 609.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Trimming mechanism for sewing-machines. No. 1,289,125; Dec. 31; v. 257; p. 839.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Mechanical movement. No. 1,289,126; Dec. 31; v. 257; p. 840.
De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Strip-controlling device for sewing-machines. No. 1,289,127; Dec. 31; v. 257; p. 840.
De Voe, Chauncey, New York, N. Y. Sash-fastener. No. 1,253,474; Jan. 15; v. 246; p. 655.
De Vos, Arnold W., and C. M. Dering, assignors to Corrugated Veneer Packing Products Co., Milwaukee, Wis. Veneer-corrugating machine. No. 1,276,187; Aug. 20; v. 253; p. 573.
De Vry Corporation, The. (See De Vry, Herman A., assignor.)
De Vry, Herman A., assignor to The De Vry Corporation, Chicago, Ill. Motion-picture machine. No. 1,287,576; Dec. 10; v. 257; p. 377.
De Vry, Herman A., assignor to The De Vry Corporation, Chicago, Ill. Motion-picture machine. No. 1,288,531; Dec. 24; v. 257; p. 672.
De Waters, Enos A., Flint, assignor to General Motors Corporation, Detroit, Mich. Clutch. No. 1,287,257; Dec. 10; v. 257; p. 300.
De Waters, Lewis A., Cedarhurst, assignor to De Waters Safety Latch Company (Inc.), Far Rockaway, N. Y. Safety-fastening for doors. No. 1,287,911; Dec. 17; v. 257; p. 492.
De Waters Safety Latch Company. (See De Waters, Lewis A., assignor.)
De Wein, George F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Log-dogging apparatus. No. 1,255,393; Feb. 5; v. 247; p. 81.
De Wendt, Wilhelm C., New Orleans, La. Combined writing-sheet and envelop. No. 1,271,862; July 9; v. 252; p. 342.
De Wilton, Edward W., New York, N. Y. Combination hose-coupling and air-valve plug. No. 1,272,234; July 9; v. 252; p. 449.
De Witt, Arthur T., Fort Wayne, Ind., assignor of two-thirds to F. L. De Witt and one-third to M. Schiffer, Chicago, Ill. Switch-operating mechanism. No. 1,252,329; Jan. 1; v. 246; p. 255.
De Witt, David M., Russellville, Ark. Carbureter. No. 1,265,626; May 7; v. 250; p. 204.
De Witt, Edward H., Liberty, N. Y. Speed-changing gear. No. 1,261,721; Apr. 2; v. 249; p. 206.
De Witt, Fred L., *et al.* (See De Witt, Arthur T., assignor.)
De Witt, Walter M. (See Porter, Arthur D., assignor.)
De Witt, William, assignor to Captain De Witt's Navirule Gomei Kaisha, Kobe, Japan. Navigation-rule. No. 1,282,770; Oct. 29; v. 255; p. 850.
De Wolf, John B., Huron, S. D. Tractor attachment for binders. No. 1,258,660; Mar. 12; v. 248; p. 247.
De Young, L. G., *et al.* (See Royce, Walter G., assignor.)
Deacon, Herbert D., *et al.* (See Jones, Levander D., assignor.)
Deal, Baltzer K., Los Angeles, Cal. Shockless crossing. No. 1,284,878; Nov. 12; v. 256; p. 402.
Deal, Winnie D., Spencer, N. C. Playing-cards. No. 1,275,869; Aug. 13; v. 253; p. 453.
Deam, Helen M., Rockport, Ill. Floor-scrubbing machine. No. 1,278,606; Sept. 10; v. 254; p. 370.
Dean, Christian C. (See Hinkler, Bert, assignor.)
Dean, Clyde T., Chicago, Ill., assignor to R. Sattler, Cincinnati, Ohio, and L. J. Morand, Covington, Ky. Ink-saving attachment for embossing-presses. No. 1,252,409; Jan. 8; v. 246; p. 313.
Dean, Clyde T., Chicago, Ill., assignor to R. Stattler, Cincinnati, Ohio, and L. J. Morand, Covington, Ky. Ink-saving attachment for embossing-presses. No. 1,263,213; Apr. 16; v. 249; p. 687.
Dean, Dion K., Winthrop, Mass., assignor to Alberger Pump and Condenser Company, New York, N. Y. Heat-balance duplex drive. No. 1,267,386; May 28; v. 250; p. 782.
Dean, Ernest. (See Allott and Dean.)
Dean, Frank L., Chicago, Ill. Telephone-cabinet. No. 1,278,870; Sept. 17; v. 254; p. 470.
Dean, George, Alpena, Wash. Mail-transferring apparatus. No. 1,266,107; May 14; v. 250; p. 371.
Dean, Harry D., Providence, R. I. Closure for vessels. No. 1,258,880; Mar. 12; v. 248; p. 310.
Dean, James H., assignor to J. S. Stearns, Ludington, Mich. Variable-speed and driving mechanism. No. 1,257,462; Feb. 26; v. 247; p. 798.
Dean, John F. (See Gove, Henry H., assignor.)
Dean, John H. Birmingham, Ala. Culvert-header. No. 1,258,751; Mar. 12; v. 248; p. 271.
Dean, John O. (See Struck and Dean.)
Dean, John S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Current-collecting device. No. 1,277,394; Sept. 3; v. 254; p. 17.
Dean, Philetus B., Fredonia, N. Y. Gaff-hook. No. 1,274,013; July 30; v. 252; p. 1028.
Dean and Sherk Corporation. (See Smith, Oliver K., assignor.)
Dean Tunnel Machine Company. (See Dean, William E., assignor.) (Reissue.)
Dean, Wilburt B., Grand Rapids, Mich. Electric-spark timer for gasolene-engines. No. 1,272,334; July 9; v. 252; p. 478.
Dean, William E., assignor to Dean Tunnel Machine Company, Superior, Wis. Tunneling-machine. (Reissue.) No. 14,454; Apr. 2; v. 249; p. 213.
Dean, William H., Chicago, Ill. Window-cleaner's bracket. No. 1,266,419; May 14; v. 250; p. 455.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch. No. 1,255,084; Jan. 29; v. 246; p. 1166.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric switch. No. 1,256,210; Feb. 12; v. 247; p. 361.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch. No. 1,257,463; Feb. 26; v. 247; p. 798.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric switch. No. 1,258,539; Mar. 5; v. 248; p. 172.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch. No. 1,266,420; May 14; v. 250; p. 455.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Signaling device. No. 1,266,421; May 14; v. 250; p. 455.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric horn. No. 1,267,060; May 21; v. 250; p. 665.
Dean, William W., Stamford, Conn., assignor to Splitdorf Electrical Company, Newark, N. J. Magneto-electric machine. No. 1,268,689; June 4; v. 251; p. 175.
Dean, William W., assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch. No. 1,269,400; June 11; v. 251; p. 392.
Dean, William W., Stamford, Conn., assignor to Splitdorf Electrical Company, Newark, N. J. Magneto. No. 1,271,441; July 2; v. 252; p. 191.
Dean, William W., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-transmitter. No. 1,277,875; Sept. 3; v. 254; p. 151.
Dean, William W., Stamford, Conn., assignor to Splitdorf Electrical Company, Newark, N. J. Device for obtaining predetermined speed. No. 1,285,639; Nov. 26; v. 256; p. 671.
Dean, William W., Stamford, Conn., assignor to Splitdorf Electrical Company, Newark, N. J. Device for obtaining predetermined speed. No. 1,285,640; Nov. 26; v. 256; p. 671.
Dean, William W., Stamford, Conn., assignor to Splitdorf Electrical Company, Newark, N. J. Determining speed of a rotating part. No. 1,285,641; Nov. 26; v. 256; p. 672.
Deandrea, Joseph E. (See Cobler and Deandrea.)
Deanes, Sid A., West Point, Miss. Dispensing device. No. 1,253,579; Jan. 15; v. 246; p. 685.
Deans, Frank B., Sharon Hill, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Bolster-guide link for railway-trucks. No. 1,264,491; Apr. 30; v. 249; p. 1091.
Dean's Rag Book Company. (See Wheeldon, Arthur L., assignor.)
Dear, William Y., Jersey City, N. J. Device for retaining printing-plates and the like in position. No. 1,286,952; Dec. 10; v. 257; p. 222.
Dearborn Motor Truck Company. (See Kenrick, William J., assignor.)
Dearborn Truck Co. (See Melton, Lloyd L., assignor.)
Dearborn Truck Company. (See Melton and Whomes, assignors.)
Deardorff, Curtis W., Philadelphia, Pa., assignor to Hunter Pressed Steel Company. Grease-cup. No. 1,262,461; Apr. 9; v. 249; p. 443.
Deardorff, Ray P., Buffalo, N. Y. Arc-lamp regulation for headlights. No. 1,268,548; June 4; v. 251; p. 136.
Dearing, Joseph W., assignor to Packless Valve Co., Kansas City, Mo. Valve. No. 1,264,282; Apr. 30; v 249; p. 1033.

Dearing, Joseph W., Chicago, Ill. Gas-cut-off apparatus. No. 1,264,283; Apr. 30; v. 249; p. 1034.
Dearinger, John, Versailles, Ind. Railway-gate. No. 1,268,690; June 4; v. 251; p. 176.
Deason, Clarence M., Carnegie, Okla. Spool and needle holder. No. 1,279,520; Sept. 24; v. 254; p. 670.
Deason, Clarence M., Carnegie, Okla. Combination comb and brush. No. 1,280,180; Oct. 1; v. 255; p. 17.
Deatrich, George W., Sr., Pottsville, Pa. Vehicle-tire. No. 1,260,155; Mar. 19; v. 248; p. 705.
Deats, William, Yonkers, assignor to McLoughlin Bros., Inc., New York, N. Y. Magnetic fish and making the same. No. 1,271,021; July 2; v. 252; p. 76.
Deaver, Nathan A., Plumerville, Ark. Machine for filing and gumming gin-saws. No. 1,277,555; Sept. 3; v. 254; p. 61.
Debenedetti, Guido, Turin, Italy. Manufacture of section-tubes. No. 1,283,692; Nov. 5; v. 256; p. 67.
Debolt, Charles L., Des Moines, Ia. Automobile-signal. No. 1,258,200; Mar. 5; v. 248; p. 72.
Decatur Pump & Manufacturing Co. (See Shorb, William A., assignor.)
Decatur Pump and Manufacturing Company. (See Burks, Arthur W., assignor.)
Decatur Pump & Mfg. Co. (See Burke, Arthur W., assignor.)
Dech, Henry, assignor to Mercer Tire Company, Trenton, N. J. Apparatus for making inner tubes for tires. No. 1,270,604; June 25; v. 251; p. 779.
Deck, Louis, Fort Wayne, Ind., assignor to McCord and Company, Chicago, Ill. Terminal check-valve for force-feed lubricating systems. No. 1,270,125; June 18; v. 251; p. 620.
Decker, Danville, Rockville Center, N. Y. System of extinguishing fire. No. 1,254,582; Jan. 22; v. 246; p. 991.
Decker, Ellen W., New York, and A. Scott, Brooklyn, assignors to Julius Kayser & Co., New York, N. Y. Lady's bloomers. No. 1,277,700; Sept. 3; v. 254; p. 103.
Decker, Frederick J., Rochester, assignor to Niagara Sprayer Company, Middleport, N. Y. Dusting and spraying apparatus. No. 1,253,672; Jan. 15; v. 246; p. 712.
Decker, Harry R., *et al.* (See Staley, William O., assignor.)
Decker, Hugh L., assignor to The W. G. Nagel Electric Company, Toledo, Ohio. Liquid-gage. No. 1,286,953; Dec. 10; v. 257; p. 222.
Decker, James H. (See Decker, James M. and J. H.)
Decker, James M. and J. H., Douglas, Ariz. Latch. No. 1,274,693; Aug. 6; v. 253; p. 101.
Decowski, John, McKees Rocks, Pa. Life-saving device. No. 1,289,123; Dec. 31; v. 257; p. 839.
Decker, Joseph, *et al.* (See Davies, David, assignor.)
Decker, William H., Skaneateles, N. Y. Rail-holding device. No. 1,264,616; Apr. 30; v. 249; p. 1127.
Decker, William M., Buffalo, N. Y. Combined toy and container. No. 1,260,343; Mar. 26; v. 248; p. 795.
Dederer, Carleton, Los Angeles, Cal. Faucet-operating mechanism. No. 1,256,525; Feb. 19; v. 247; p. 490.
Dedichen, Herman, and O. Halse, assignors to Union Co., Christiania, Norway. Refining and deodorizing raw turpentine-oils. No. 1,253,793; Jan. 15; v. 246; p. 746.
Dedrick, Benjamin W., State College, Pa. Cigar-protector and ash-retainer. No. 1,273,153; July 23; v. 252; p. 759.
Dee, Garrett C., Hartford City, Ind. Boiler-tube extractor. No. 1,273,831; July 30; v. 252; p. 977.
Dee, Thomas W., Houston, Tex. Artificial tooth. No. 1,282,199; Oct. 22; v. 255; p. 668.
Deegan, Edward J., New York, N. Y. Regulator. No. 1,288,389; Dec. 17; v. 257; p. 608.
Deegan, Edward J., and W. Hodgson, New York, N. Y. Regulator. No. 1,254,888; Jan. 29; v. 246; p. 1114.
Deem, Albert, Indianapolis, Ind. Oil-burner. No. 1,265,754; May 14; v. 250; p. 272.
Deem, Albert B., Indianapolis, Ind. Automatic oil-burner. No. 1,253,794; Jan. 15; v. 246; p. 746.
Deen, C. W., *et al.* (See Long, Grover C., assignor.)
Deere & Company. (See Brown, Theophilus, assignor.)
Deere & Company. (See Evans, Harry F., assignor.)
Deere and Company. (See Johnson, Eric, assignor.)
Deere and Company. (See Melvin and Seaholm, assignors.)
Deere & Company. (See Paul, William L., assignor.)
Deere and Company. (See Strandlund, Carl G., assignor.)
Deere and Company. (See Wilson, Frederick D., assignor.)
Deere & Mansur Co. (See White, Charles E., assignor.)
Deerr, Noël, Brooklyn, N. Y. Evaporator. No. 1,287,650; Dec. 17; v. 257; p. 427.
Deeter, Elmer F., Dayton, Ohio. Non-refillable bottle. No. 1,262,757; Apr. 16; v. 249; p. 557.
Defenbaugh, Charles C., assignor of one-half to F. W. Caughlin, Toledo, Ohio. Combination-tool. No. 1,257,683; Feb. 26; v. 247; p. 863.
Deffner, Leonard G. C. (See Mortensen, August, assignor.)
Defiance Check Writer Corporation. (See Plant, Henry J., assignor.)
Defiance Machine Works. (See Ensign, George A., assignor.)
Defiance Machine Works. (See Ensign and Des Islets, assignors.)
Defiance Machine Works. (See Ensign and Klinger, assignors.)
Defiance Machine Works. (See Ensign and Traub, assignors.)
Defoe, Frank M., Orange, N. J. Adjustable window-shade bracket. No. 1,266,539; May 14; v. 250; p. 489.
Degen, Lewis, Pasadena, Cal. Auxiliary signal system. No. 1,267,987; May 28; v. 250; p. 951.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,256,985; Feb. 19; v. 247; p. 625.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,259,838; Mar. 19; v. 248; p. 614.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,260,281; Mar. 19; v. 248; p. 740.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,260,759; Mar. 26; v. 248; p. 916.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,261,107; Apr. 2; v. 249; p. 33.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,263,345; Apr. 16; v. 249; p. 720.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,237; June 18; v. 251; p. 650.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,750; June 25; v. 251; p. 816.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,751; June 25; v. 251; p. 816.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,752; June 25; v. 251; p. 817.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,288; July 2; v. 252; p. 151.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,289; July 2; v. 252; p. 151.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,290; July 2; v. 252; p. 152.
Degener, Gustave O., Bronxville, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,273,832; July 30; v. 252; p. 978.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,275,870; Aug. 13; v. 253; p. 453.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,276,185; Aug. 20; v. 253; p. 572.
Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,276,734; Aug. 27; v. 253; p. 761.
Degener, Gustave O., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,278,445; Sept. 10; v. 254; p. 325.
Degavre, Charles J., and J. Sesta, Red Bank, N. J. Individual non-skid chain. No. 1,286,552; Dec. 3; v. 257; p. 92.
Degman, Clarence G., Cincinnati, Ohio. Treatment for seasickness. No. 1,286,248; Dec. 3; v. 257; p. 16.
Dehls, John C. (See Anderson, Ernst G., assignor.)
Dehn, George J., Chicago, Ill. Trap. No. 1,281,147; Oct. 8; v. 255; p. 311.
Dehon, Jules, Philadelphia, Pa. Carpet-cleaning machine. No. 1,287,651; Dec. 17; v. 257; p. 427.
Deibel, Millie M., Youngstown, Ohio. Combined match safe, wind-shield, and striker. No. 1,266,227; May 14; v. 250; p. 404.
Deibler, David P., Jersey Shore, Pa. Railway dumping-car. No. 1,274,695; Aug. 6; v. 253; p. 102.
Deibler, George A., Elizabethville, Pa. Rail-chair. No. 1,262,462; Apr. 9; v. 249; p. 443.
Deike, August H., Takoma Park, Md. Water-closet. No. 1,286,249; Dec. 3; v. 257; p. 16.
Deiller, Eugene M. (See Deiller, Martin and E. M.)

Deiller, Martin, Harrison, and E. M. Deiller, Irvington, N. J. Tobacco stripping and booking machine. No. 1,287,906; Dec. 17; v. 257; p. 491.
Deinert, Victor, Emerald, Nebr. Spark-arrester. No. 1,286,553; Dec. 3; v. 257; p. 91.
Deines, George J., Russell, Kans. Match-box. No. 1,257,817. Feb. 26; v. 247; p. 903.
Deisenhofer, Victor, Chicago, Ill. Spring-tired wheel. No. 1,256,526; Feb. 19; v. 247; p. 490.
Dekker, Gerret H., Adell, Wis. Pea-separator. No. 1,286,554; Dec. 3; v. 257; p. 91.
Dekum, Adolph A. (See Halverson and Dekum.)
Del Cioppo, Michele, New York, N. Y. Ironing-board. No. 1,271,674; July 9; v. 252; p. 291.
Del Fungo-Giera, Philippo L. E., New York, N. Y. Anchor. No. 1,271,442; July 2; v. 252; p. 192.
Del Nore, John L., San Francisco, Cal. Bronzing-machine. No. 1,271,443; July 2; v. 252; p. 192.
Del Re, Joseph, Chicago, Ill. Umbrella. No. 1,282,387; Oct. 22; v. 255; p. 719.
Del Rivero, Luis, Los Angeles, Cal. Siphon-bottle head. No. 1,252,313; Jan. 1; v. 246; p. 252.
Delacour, William. (See Watson, James, assignor.)
Delacourt, Alberto F., assignor to Società Anonima Italiana Gio Ansaldo & Co., Genoa, Italy. Producing gas and phosphatic fertilizer material. No. 1,269,795; June 18; v. 251; p. 534.
Delacourt, Alberto F., assignor to Società Anonima Italiana Gio. Ansaldo & C., Genoa, Italy. Making phospho-potassic fertilizer. No. 1,282,385; Oct. 22; v. 255; p. 718.
Delacroix, Charles C., New Orleans, La. Fuel-oil burner. No. 1,261,494; Apr. 2; v. 249; p. 142.
Delaney, Frank X., Philadelphia, Pa. Shoe-tree. No. 1,271,547; July 9; v. 252; p. 255.
Delaney, Thomas W., St. Paul, Minn. Driving and steering gear for vehicles. No. 1,269,401; June 11; v. 251; p. 392.
Delaney, William H., Peoria, Ill. Store-cabinet. No. 1,253,356; Jan. 15; v. 246; p. 620.
Delano, Frederic A., Chicago, Ill. Locomotive-superheater. No. 1,256,115; Feb. 12; v. 247; p. 331.
Delano, James K., New York, N. Y. Electrical system for use with internal-combustion engines. No. 1,253,217; Jan. 15; v. 246; p. 578.
Delano, James K., New York, N. Y. Combined starting and ignition apparatus for internal-combustion engines. No. 1,263,868; Apr. 23; v. 249; p. 885.
Delano, James K., Indianapolis, Ind. Electric starting device for explosive-engines. No. 1,287,575; Dec. 10; v. 257; p. 376.
Delano, James K., Jr., Louisville, Ky. Overload-switch. No. 1,261,777; Apr. 9; v. 249; p. 255.
Delany, Patrick B., South Orange, N. J. Talking-machine sound box and reproducer. No. 1,261,218; Apr. 2; v. 249; p. 63.
Delany, Patrick B., South Orange, N. J. Telegraphy. No. 1,274,520; Aug. 6; v. 253; p. 52.
Delany, Patrick B., South Orange, N. J., assignor to Secret Telegraph Company, New York, N. Y. Telegraphy. No. 1,274,519; Aug. 6; v. 253; p. 51.
Delany, Patrick B., South Orange, N. J. Method of and apparatus for locating sunken bodies. No. 1,287,907; Dec. 17; v. 257; p. 491.
Delany, Patrick B., South Orange, N. J. Apparatus for detecting and capturing submarines. No. 1,287,908; Dec. 17; v. 257; p. 492.
Delaplain, Carl L., Mansfield, Ark. Rotary hoe. No. 1,270,710; June 25; v. 251; p. 805.
Delas, François, Montreal, Quebec, Canada. Tree-sawing machine. No. 1,263,385; Apr. 23; v. 249; p. 753.
Delattre, Fernand C. L. (See Cadet and Delattre.)
Delaune, Stephen O., Raseland, La. Chimney-cowl. No. 1,261,719; Apr. 2; v. 249; p. 205.
Delehanty, John J., Norwood, Ohio. Rigid pipe-union. No. 1,270,021; June 18; v. 251; p. 594.
Deleu, Robert. (See Scielzo and Deleu.)
Delewese, Rocco, Columbus, Ohio. Internal-combustion engine. No. 1,280,181; Oct. 1; v. 255; p. 17.
Delgado, Fernando E. and I., Santa Fe, N. Mex. Detachable traction-tread. No. 1,264,617; Apr. 30; v. 249; p. 1127.
Delgado, Ildeberto. (See Delgado, Fernando E. and I.)
Delk, Bertie F., assignor to D-Handle Finishing Machine Co., Macon, Ga. D-handle-finishing machine. No. 1,260,344; Mar. 26; v. 248; p. 795.
Delk, Bertie F., Macon, Ga. D-handle-finishing machine. No. 1,262,183; Apr. 9; v. 249; p. 367.
Dell, Charles. (See Lewis, Scott, and Dell.)
Dellenbarger, Charles E., assignor to P. Carpenter, Chicago, Ill. Game apparatus. No. 1,282,386; Oct. 22; v. 255; p. 719.
Delo, Charles P., Shippensville, Pa. Tractor. No. 1,266,774; May 21; v. 250; p. 586.
Delpheon Company, The. (See Bousfield, Charlie J., assignor.)
Delson, John M., Chicago, Ill. Perpetual inventory. No. 1,280,182; Oct. 1; v. 255; p. 18.
Demarest, Charles S., Flatbush, N. Y., assignor to American Telephone and Telegraph Company. Relay-selecting circuit for artificial lines. No. 1,273,154; July 23; v. 252; p. 759.
Demarest, Charles S., Flatbush, N. Y., assignor to American Telephone and Telegraph Company. Through-ringing amplifier. No. 1,280,969; Oct. 8; v. 255; p. 261.
Demarest, Thomas M., Dumont, N. J. Push-button. No. 1,273,749; July 23; v. 252; p. 916.
Demarest, Thomas W., Fort Wayne, Ind., assignor to Okadee Company, Chicago, Ill. Drain-valve for air-brake systems and the like. No. 1,278,118; Sept. 10; v. 254; p. 239.
Demarest, Thomas W., Fort Wayne, Ind., assignor to The Okadee Company, Chicago, Ill. Valve. No. 1,286,954; Dec. 10; v. 257; p. 222.
Demas, Demetreos J., Pittsburgh, Pa. Tire casing or shoe. No. 1,261,012; Apr. 2; v. 249; p. 7.
Demas, Demetreos J., Pittsburgh, Pa. Tire-casing. No. 1,261,013; Apr. 2; v. 249; p. 7.
Dembiczak, Jozef, Wallingford, Conn. Trunk-lock. No. 1,287,652; Dec. 17; v. 257; p. 428.
Dement, Isaac S., assignor of one-half to J. Collins, Dayton, Ohio. Driving mechanism. No. 1,275,158; Aug. 6; v. 253; p. 230.
Deming, William L., Salem, Ohio. Reading-stand. No. 1,257,586; Feb. 26; v. 247; p. 835.
Deming, William L., Salem, Ohio. Autographic register. No. 1,258,752; Mar. 12; v. 248; p. 272.
Deming, William L., Salem, Ohio. Rotary cleanser. No. 1,261,778; Apr. 9; v. 249; p. 255.
Deming, William L., Salem, Ohio. Flagstaff-holder. No. 1,279,669; Sept. 24; v. 254; p. 713.
Demkowitch, Joseph. (See Kolody, Andrew, assignor.)
Demmien, William C., Williamsport, Pa. Holder for cord, thread, yarn, and the like. No. 1,256,443; Feb. 12; v. 247; p. 430.
Demmler, Paul E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Manufacturing metallic phosphides or alloys rich in phosphorus. No. 1,287,653; Dec. 17; v. 257; p. 428.
Dempsey, Charles H., and T. F. Barnes, Los Angeles, Cal. Case-table. No. 1,256,211; Feb. 12; v. 247; p. 362.
Dempsey, Dee, Mace, Idaho. Dumping-car. No. 1,265,063; May 7; v. 250; p. 54.
Dempsey Oil Engine Corporation. (See Dempsey, Peter P., assignor.)
Dempsey, Peter P., assignor, by mesne assignments, to Dempsey Oil Engine Corporation, New York, N. Y. Internal-combustion engine. No. 1,256,116; Feb. 12; v. 247; p. 332.
Dempsey, William L., Somerville, Mass. Internal-combustion engine. No. 1,261,779; Apr. 9; v. 249; p. 256.
Dempster Mill Manufacturing Company. See Elliott, William, assignor.)
Dempster Mill Manufacturing Company. (See Wright, John M., assignor.)
Demuth, Alfred M., Chicago, Ill., assignor to U. S. Slicing Machine Company, Laporte, Ind. Work-holder for slicing-machines. No. 1,257,587; Feb. 26; v. 247; p. 836.
Demuth, Alfred M., San Francisco, Cal. Cooker. No. 1,258,994; Mar. 12; v. 248; p. 343.
Demuth, Alfred M., San Francisco, Cal. Cooker. No. 1,258,995; Mar. 12; v. 248; p. 343.
Demuth, Frederick D., Cleveland, Ohio. Countershaft-clutch. No. 1,257,588; Feb. 26; v. 247; p. 836.
Demuth, Herman J., Kiowa, Kans. Process and apparatus for deaerating water. No. 1,267,191; May 21; v. 250; p. 703.
Demuth, John A., Oberlin, Ohio. Workman's time-recording system. No. 1,267,989; May 28; v. 250; p. 951.
Demuth, Leopold, New York, N. Y. Tobacco-pipe. No. 1,257,326; Feb. 26; v. 247; p. 759.
Demuth, William H., assignor of one-half to F. S. Smith, Owosso, Mich. Trash-catcher for flumes. No. 1,252,410; Jan. 8; v. 246; p. 314.
Denburger, Joseph D., Lents, Oreg. Machine for calking seams. No. 1,277,049; Aug. 27; v. 253; p. 842.
Dendinger, Michael J., Rapid City, S. D. Hay-stacker. No. 1,251,759; Jan. 1; v. 246; p. 95.
Deneke, William, Covington, Ky. Stretcher and casket support. No. 1,268,938; June 11; v. 251; p. 263.
Denemark, Jacob, Trenton, N. J. Cigarette-case. No. 1,278,879; Sept. 17; v. 254; p. 474.
Dengler, Charles F., and J. L. Ricketts, Philadelphia, Pa. Guard device for motor-vehicles. No. 1,278,119; Sept. 10; v. 254; p. 240.
Dengler, Mary E., Tivoli, N. Y. Lamp-chimney protector. No. 1,276,883; Aug. 27; v. 253; p. 799.
Denhard, Harry W., San Francisco, Cal., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric attachment-plug. No. 1,259,609; Mar. 19; v. 248; p. 548.
Denise, Cadet. (See Denise, Charles F. and C.)
Denise, Charles F. and C., Boyne Falls, Mich. Device for holding strainers over cream-separators. No. 1,266,423; May 14; v. 250; p. 456.
Denison, Frederick S., assignor to Minneapolis Heat Regulator Company, Minneapolis, Minn. Alarm-clock. No. 1,254,212; Jan. 22; v. 246; p. 885.
Denison, Frederick S., assignor to Minneapolis Heat Regulator Co., Minneapolis, Minn. Thermostat. No. 1,282,546; Oct. 22; v. 255; p. 762.
Denison, Julian F., New Haven, Conn., assignor to G. Piel, New York, N. Y. Fuel-tank. No. 1,271,675; July 9; v. 252; p. 292.

Denley, William H., Birmingham, England. Manufacture of files and saws. No. 1,268,819; June 11; v. 251; p. 231.
Denman, Earl W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Revolving fan. No. 1,270,795; July 2; v. 252; p. 11.
Denman, Elmer L., Charleston, Ill. Locking device. No. 1,271,676; July 9; v. 252; p. 292.
Denman-Jones, Adrian, assignor to The Jandus Arc Lamp & Electric Company, Limited, Holloway, London, England. Differential gearing. No. 1,274,056; July 30; v. 252; p. 1041.
Denne, Mark T., Rushden, England. Sewing-machine. No. 1,264,284; Apr. 30; v. 249; p. 1034.
Denne, Mark T., Rushden, England. Driving and stopping mechanism. No. 1,272,016; July 9; v. 252; p. 388.
Denneen, Francis S., and C. N. Mitchell, assignors to H. B. Fay, Cleveland, Ohio. Suspension device for batteries. No. 1,283,107; Oct. 29; v. 255; p. 944.
Denney, William A., Quincy, Ill. Molding-machine. No. 1,255,586; Feb. 5; v. 247; p. 137.
Denney, William J., Malone, N. Y. Collapsible stove. No. 1,264,493; Apr. 30; v. 249; p. 1092.
Dennick, Herman, Dayton, Ohio. Fire-protection device. No. 1,282,769; Oct. 29; v. 255; p. 850.
Denning, Arthur M., Crete, Nebr. Device for rebabbitting connecting-rods. No. 1,264,618; Apr. 30; v. 249; p. 1128.
Denning, J. M. (See Glaze, Frederick E., assignor.)
Denning, Joseph M., assignor to Denning Tractor Company, Cedar Rapids, Iowa. Differential-gear mechanism. No. 1,279,670; Sept. 24; v. 254; p. 713.
Denning, Joseph M., assignor to Denning Tractor Company, Cedar Rapids, Iowa. Propelling mechanism for tractors. No. 1,279,671; Sept. 24; v. 254; p. 714.
Denning Tractor Company. (See Denning, Joseph M., assignor.)
Dennis, Adolphus S. (See Smith and Dennis.)
Dennis, Adolphus S., Lakewood, Ohio. Combined typewriting and computing machine. No. 1,271,677; July 9; v. 252; p. 292.
Dennis, Adolphus S., Lakewood, Ohio, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,256,986; Feb. 19; v. 247; p. 626.
Dennis, Charles F. (See Kling and Dennis.)
Dennis, Clarence J., Monsey, N. Y. Trap-nest. No. 1,280,419; Oct. 1; v. 255; p. 85.
Dennis, Nick R., Ensley, Ala. Fountain-pen. No. 1,287,909; Dec. 17; v. 257; p. 492.
Dennis, Samuel K., Chicago, Ill., assignor, by mesne assignments, to International Harvester Company. Draft-equalizer. No. 1,288,530; Dec. 24; v. 257; p. 671.
Dennis, Samuel L., Suffolk, Va. Combined handsaw and square. No. 1,261,219; Apr. 2; v. 249; p. 63.
Dennis, William H., Exeter, N. H. Rail-bracer. No. 1,267,990; May 28; v. 250; p. 952.
Dennison, Kyle J., Youngstown, Ohio. Illuminated sign. No. 1,275,537; Aug. 13; v. 253; p. 359.
Dennison Manufacturing Company. (See Morse, Andrew D., assignor.)
Dennison Manufacturing Company. (See Rich, Waldo A., Jr., assignor.)
Denny, Frank H., Buffalo, N. Y. Oil-guard for automobiles. No. 1,282,547; Oct. 22; v. 255; p. 762.
Densmore, Joseph M. and W. H., Ashland, Oreg. Meat-block surfacer. No. 1,273,043; July 16; v. 252; p. 704.
Densmore, William H. (See Densmore, Joseph M. and W. H.)
Denson, George W., Dawson, Ala. Cotton chopper and cultivator. No. 1,261,720; Apr. 2; v. 249; p. 205.
Dent Hardware Company, The. (See Schrader, Thomas O., assignor.)
Dental Improvement Company. (See McMahon and Fritz, assignors.)
Dentists' Supply Company, The. (See Atkinson, William W., assignor.)
Dentists' Supply Company, The. (See Gysi, Alfred, assignor.)
Dentists' Supply Company, The. (See McMahon and Fritz, assignors.)
Denton, Albert A., Eagle River, Wis. Wood-drying machine. No. 1,274,860; Aug. 6; v. 253; p. 148.
Denton, Otis, Lakewood, Ohio. Protecting device for glass containers. No. 1,260,157; Mar. 19; v. 248; p. 705.
Denver Rock Drill Manufacturing Company, The. (See Smith, William A., assignor.)
Denzer, Gottfried, Glendale, N. Y. Garbage-can. No. 1,251,870; Jan. 1; v. 246; p. 129.
Depew, Paul, Boston, and W. A. Hilliard, Malden, Mass. Liquid measuring and dispensing apparatus. No. 1,268,820; June 11; v. 251; p. 231.
Depew, Paul C., Chicago, Ill. Spark-plug. No. 1,266,561; May 21; v. 250; p. 525.
Depew, Paul C., Chicago, Ill. Knife-shield and gage. No. 1,266,562; May 21; v. 250; p. 525.
Depew, Thomas H., Pittsburgh, Pa. Shoe for tires. No. 1,264,903; May 7; v. 250; p. 9.
Depollier, Charles L., Brooklyn, N. Y. Watchcase. No. 1,268,821; June 11; v. 251; p. 232.
Deppermann, Hermann, Nowawes-Neuendorf, Germany. Covering thread-buttons. No. 1,269,402; June 11; v. 251; p. 392.
Derby, Harold L. (See Derby, Silas W. and H. L.)
Derby, John H., and E. S. Clayton, assignor to American Fire Prevention Bureau, Inc., New York, N. Y. Thermostatic circuit-controlling device. No. 1,274,248; July 30; v. 252; p. 1095.
Derby, Silas W. and H. L., Kirksville, Mo. Heel-scouring guard. No. 1,285,067; Nov. 19; v. 256; p. 488.
Derhammer, Levi, Chippewa Lake, Ohio. Farm-gate. No. 1,262,927; Apr. 16; v. 249; p. 605.
Dering, Charles M. (See De Vos and Dering.)
Dernell Potato Products Co. (See Moore, Elwood D., assignor.)
Derr, Charles E., assignor to Packard Motor Car Company, Detroit, Mich. Machine for cutting gears. No. 1,283,693; Nov. 5; v. 256; p. 67.
Derr, Charles E., assignor to Packard Motor Car Company, Detroit, Mich. Tool device. No. 1,286,955; Dec. 10; v. 257; p. 222.
Derr, Samuel I., Emaus, Pa., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Eyeleting-machine. No. 1,281,529; Oct. 15; v. 255; p. 448.
Derr, William R., assignor of one-half to W. J. Lillie, New York, N. Y. Clothes-line and locking clothes-pin therefor. No. 1,275,538; Aug. 13; v. 253; p. 360.
Derr, William R., and S. Smith, New York, N. Y. Clothes-line and locking-pin therefor. No. 1,265,436; May 7; v. 250; p. 155.
Derrech, Michael, Cleveland, Ohio. Railway-switch. No. 1,252,788; Jan. 8; v. 246; p. 423.
Derritt, Nathaniel E., Hennessey, Okla. Supporter. No. 1,256,444; Feb. 12; v. 247; p. 430.
Derrom, Donald L., Montreal, Quebec, Canada. Lathe. No. 1,264,375; Apr. 30; v. 249; p. 1058.
Derrow, Philip, Chicago, Ill. Combined advertising device and memoranda-holder. No. 1,252,250; Jan. 1; v. 246; p. 234.
Derryberry, Garrison W., Spiro, Okla. Electric train-despatching system. No. 1,289,695; Dec. 31; v. 257; p. 980.
Des Combes, Pierre J., Bienne, Switzerland. Toy. No. 1,277,702; Sept. 3; v. 254; p. 103.
Des Islets, John C. M. (See Ensign and Des Islets.)
Des Jardins, Benjamin M., West Hartford, Conn., assignor to J. T. Underwood, Brooklyn, N. Y. Computing attachment for type-writers. No. 1,271,860; July 9; v. 252; p. 341.
Des Jardins, Clarence B. (See Post and Des Jardins.)
Des Lauriers, Albert J., St. Paul, Minn. Column-mold. No. 1,282,200; Oct. 22; v. 255; p. 668.
Descamps, Louis, Chateauroux, France. Apparatus for the manufacture of a mixture of sulfur dioxid and nitrogen. No. 1,254,992; Jan. 29; v. 246; p. 1141.
Desjardins, Joseph A., Nordegg, Alberta, Canada. Crutch. No. 1,254,993; Jan. 29; v. 246; p. 1141.
Desmarais, Oscar H., Hackensack, N. J., assignor of one-half to C. W. Lockwood, New York, N. Y. Awning. No. 1,267,192; May 21; v. 250; p. 703.
Desmond, John, assignor to Gray-Hawley Manufacturing Company, Detroit, Mich. Starter-valve. No. 1,279,087; Sept. 17; v. 254; p. 530.
Desmond, John E., assignor to Desmond Pneumatic Starter Company, Detroit, Mich. Pneumatic engine-starter. No. 1,284,614; Nov. 12; v. 256; p. 333.
Desmond, Joseph J., *et al.* (See Seley, Charles C., assignor.)
Desmond Pneumatic Starter Company. (See Desmond, John E., assignor.)
Desparois, Harry A., assignor of one-half to E. S. Field, Montreal, Quebec, Canada. Saw-filing machine. No. 1,267,062; May 21; v. 250; p. 666.
Despatch Manufacturing Co. (See Grapp, Albert E., assignor.)
Desrochers, George H. (See Gamble, Porter, and Desrochers.)
Dessauer Vertikal Ofen Gesellschaft. (See Geipert, Rudolf, assignor.)
Dessoliers, Hippolyte, Algiers, Algeria. System of producing heat-rains by means of sheets of water of slight depth. No 1,252,670; Jan. 8; v. 246; p. 389.
Desson, Herbert J., Pittsburgh, Pa., assignor to Blaw Steel Construction Company. Bucket construction. No. 1,262,928; Apr. 16; v. 249; p. 605.
Det Norske Aktieselskab for elektrokemisk Industri, Norsk Industri-Hypotekbank. (See Sem, Mathias, assignor.)
Detenbeck, Ray G., Bertrand, Nebr. Hat-brim holder. No. 1,283,694; Nov. 5; v. 256; p. 67.
Determann, August P., Lyons, Iowa. Pneumatic-stacker hood. No. 1,254,889; Jan. 29; v. 246; p. 1114.
Deters, John A. L., Chicago, Ill. Automatic cut-out for gas-burners. No. 1,267,519; May 28; v. 250; p. 818.
Detmer, Martin J. (See Bader, Louis C., assignor.)
Detrick, Myron H., assignor to M. H. Detrick Co., Chicago, Ill. Heating-furnace. No. 1,250,215; Mar. 12; v. 248; p. 405.

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Detrick, Myron H., assignor to M. H. Detrick Co., Chicago, Ill. Furnace-arch construction. No. 1,284,065; Nov. 5; v. 256; p. 165.
Detrick, Myron H., assignor to M. H. Detrick Co., Chicago, Ill. Furnace construction. No. 1,284,066; Nov. 5; v. 256; p. 166.
Detro, Howard I., Interlaken, N. Y. Device for supplying water to storage batteries. No. 1,266,425; May 14; v. 250; p. 456.
Detroit Can Company. (See Cullen, William J., assignor.)
Detroit Fuse & Manufacturing Company. (See Zenker, Fredrick, assignor.)
Detroit Fuse & Mfg. Company. (See Horton and Zenker, assignors.)
Detroit Heating and Lighting Company. (See Joy and Vogel, assignors.)
Detroit Lubrication Company. (See Funderburk, Otis C., assignor.)
Detroit Lubricator Company. (See Machesney, Andrew G., assignor.)
Detroit Pressed Steel Company. (See Putnam, Alden L., assigner.)
Detroit Printing and Serving Machine Company. (See Thomas, John C., assignor.)
Detroit Reamer Salvage Co. (See Cogsdill, Stuart A., assignor.)
Detroit Steel Products Company. (See Drummond, Robert S., assignor.)
Detroit Stove Works. (See Davenport, Ransom W., assignor.)
Detroit Stove Works. (See Mersfelder and Radka, assignors.)
Detroit Stove Works. (See Schall and Davenport, assignors.)
Detroit Tire Carrier Co. (See Wasserfallen, Charles F., assignor.)
Detroit Torch & Manufacturing Co. (See Horn and Lindhorst, assignors.)
Detroit Twist Drill Company. (See Wineman, Charles P., assignor.)
Detroit Vapor Stove Company. (See Sherman, Alvin G., assignor.)
Detweiller, Henry J., Allentown, Pa. Process for recovering the constituents of alunite in technically useful forms. No. 1,274,145; July 30; v. 252; p. 1066.
Detwiler, Angus E., Oxford, Mich. Auxiliary mixing attachment for carbureters. No. 1,285,068; Nov. 19; v. 256; p. 488.
Detwiler, Charles N., Toledo, Ohio, assignor to The National Metal Moulding Company, Pittsburgh, Pa. Fastener. No. 1,277,876; Sept. 3; v. 254; p. 151.
Detwiler, Forest V., Chicago, Ill. Heat-retaining cooker. No. 1,260,257; Mar. 19; v. 248; p. 734.
Detwiler, Forest V., Chicago, Ill. Cooking apparatus. No. 1,270,386; June 25; v. 251; p. 718.
Deutsch, Edward I., Cincinnati, Ohio. Engine-starter. No. 1,254,213; Jan. 22; v. 246; p. 885.
Deutsch-Luremburgische Bergwerks- und Hutten Aktiengesellschaft. (See Brusch and Beyer, assignors.)
Deutsch, Maurice, administrator. (See Kleinberg, William.)
Deutsche-Elektro-Sparlicht-Gesellschaft. (See Attila, Sulo, assignor.)
Deutscher, William, New York, N. Y. Electric protective device. No. 1,271,861; July 9; v. 252; p. 342.
Devaney, O. J. (See Robertson, Charles B., assignor.)
Devault, Frank. (See Speed and Devault.)
Deventer, Franz, Hanover, Germany. Metal packing-ring. No. 1,256,881; Feb. 19; v. 247; p. 595.
Devere, Arthur C. (See Poudrier, Alfred, assignor.)
Devericks, Filmore C., assignor of one-half to L. S. Hornor, Clarksburg, W. Va. Making gasolene. No. 1,260,970; Mar. 26; v. 248; p. 972.
Devey, Walter A., American Fork, Utah. Tongue-and-slot lock. No. 1,284,615; Nov. 12; v. 256; p. 334.
Devine, John J., Middletown, Conn. Inkstand. No. 1,284,256; Nov. 12; v. 256; p. 243.
Devine, William P., Dorchester, assignor to Farrington Manufacturing Company, Roxbury, Mass. Machine for applying covering material to articles. No. 1,289,696; Dec. 31; v. 257; p. 981.
Devitt, George C., assignor to Buffalo Scale Company, Buffalo, N. Y. Bearing for scales. No. 1,273,155; July 23; v. 252; p. 760.
Devlyn, Arthur H., Trundle, New South Wales, Australia. Lock-nut. No. 1,265,437; May 7; v. 250; p. 155.
Devney, Richard E., Cleveland, Ohio. Advertising-sign hanger. No. 1,272,394; July 16; v. 252; p. 521.
Devney, Richard E., Cleveland, Ohio. Advertising-sign hanger. No. 1,276,735; Aug. 27; v. 253; p. 762.
Devore, William D., Altamont, Ill. Calf-feeder. No. 1,259,084; Mar. 12; v. 248; p. 368.
Dew, William H., Mercer, Tenn. Gate-latch. No. 1,255,297; Feb. 5; v. 247; p. 52.
Dewante, Gabriel, Winnipeg, Manitoba, Canada. Game-board. No. 1,262,312; Apr. 9; v. 249; p. 401.
Dewar, James, London, and A. Liebmann, Weybridge, England, assignors to The Procter and Gamble Company, Cincinnati, Ohio. Preparation and production of catalysts. No. 1,268,692; June 4; v. 251; p. 178.
Dewar, James, London, and A. Liebmann, Weybridge, England, assignors to The Procter and Gamble Company, Cincinnati, Ohio. Hydrogenation of fats and oils. No. 1,275,405; Aug. 13; v. 253; p. 324.
Dewar Manufacturing Company. (See Hendler, Max, assignor.)
Dewart, Robert E., Milford, Ind. Beet-topper. No. 1,253,358; Jan. 15; v. 246; p. 621.
Dewart, Robert E., Milford, Ind. Beet-topper. No. 1,254,004; Jan. 15; v. 246; p. 805.
Deweese, Thomas G., assignor of one-half to M. M. May and R. E. May, Wichita, Kans. Shifting mechanism for gearing and clutch. No. 1,284,067; Nov. 5; v. 256; p. 166.
Dewey, Anna E., Akron, Ohio. Automobile-jack. No. 1,273,833; July 30; v. 252; p. 978.
Dewey Davenport Company. (See Dewey, Josiah A., assignor.)
Dewey, Frederic L., assignor to Parlin & Orendorff Company, Canton, Ill. Cultivator. No. 1,253,359; Jan. 15; v. 246; p. 621.
Dewey, Haywood G. (See Knapp and Dewey.)
Dewey, Josiah A., assignor to Dewey Davenport Company, San Francisco, Cal. Folding bed. No. 1,252,789; Jan. 8; v. 246; p. 423.
Dewey, Lillie A. (See Williams, Thomas E., assignor.)
Dewey, Mark B., Sidney Center, N. Y. Toy cart. No. 1,272,395; July 16; v. 252; p. 521.
Dewey, Walter, Bellaire, Mich. Automatic pump for motor-vehicles. No. 1,287,912; Dec. 17; v. 257; p. 493.
Dewey, William F., Kansas City, Mo. Stove construction. No. 1,279,521; Sept. 24; v. 254; p. 670.
Dewey, William F., Kansas City, Mo. Heater. No. 1,288,392; Dec. 17; v. 257; p. 609.
Dewing, William S. (See Kerns, James, assignor.)
Dewrnsky, Aaron, Bethlehem, Pa. Telephone-transmitter. No. 1,263,537; Apr. 23; v. 249; p. 796.
Dewsbury, Ralph. (See Remington, Alfred C., assignor.)
Dewson, Edward H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Car-brake mechanism. No. 1,269,263; June 11; v. 251; p. 355.
Dexter Folder Company. (See Breen and Meredith, assignors.)
Dexter Folder Company. (See Christophel, Carl E., assignor.)
Dexter Folder Company. (See Dexter and Martin, assignors.)
Dexter Company, The. (See George, William H., assignor.)
Dexter, Irven H., Pearl River, assignor to I. H. Dexter Company, New York, N. Y. Folding-machine. No. 1,283,108; Oct. 29; v. 255; p. 944.
Dexter, Talbot C., and G. A. Martin, assignors to Dexter Folder Company, Pearl River, N. Y. Slow-down and sheet-straightener. No. 1,289,697; Dec. 31; v. 257; p. 981.
Dey, Alexander, Edinburgh, Scotland. Speedometer. No. 1,277,877; Sept. 3; v. 254; p. 151.
Dezendorf, Richard L., Richmond Hill, N. Y. Gas-meter. No. 1,262,929; Apr. 16; v. 249; p. 605.
Dezendorf, Richard L., Richmond Hill, N. Y. Gas-meter. No. 1,285,953; Nov. 26; v. 256; p. 750.
Dhavernas, Joseph, assignor to United States Nickel Company, New Brunswick, N. J. Separating nickel from nickel-copper alloys. No. 1,266,775; May 21; v. 250; p. 586.
Dhavernas, Joseph, assignor to United States Nickel Company, New Brunswick, N. J. Separating nickel from nickel-copper alloys. No. 1,273,465; July 23; v. 252; p. 842.
Di Benedetto, Paolo, assignor of one-fourth to C. R. Horten and one-fourth to A. Duri, Fair Haven, Vt. Potato-planter. No. 1,275,645; Aug. 13; v. 253; p. 389.
Di Carlo, Donato, Philadelphia, Pa. Spring-controlled noiseless motor for operating talking and other machines. No. 1 258,753; Mar. 12; v. 248; p. 272.
Di Croce, Cesare, New York, N. Y. Clothes-pressing board. No. 1,277,395; Sept. 3; v. 254; p. 17.
Di Maggio, Vincenzo. New York, N. Y. Shoe-support. No. 1,286,558; Dec. 3; v. 257; p. 92.
Di Mario, Vincenzo, Greensburg, Pa. Advertising device. No. 1,260,159; Mar. 19; v. 248; p. 706.
Di Piero, Filippo, Youngstown, Ohio. Signal appliance. No. 1,253,476; Jan. 15; v. 246; p. 656.
Di Sante, Vito, Wichita, Kans. Air-filter. No. 1,288,393; Dec. 17; v. 257; p. 609.
Dial, James B. F. (See Cook, George R., assignor.)
Diamond Crystal Salt Company. (See Downing and Weil, assignors.)
Diamond Individual Towel System Co. (See Ammann, Henry A., assignor.)
Diamond Ink Company. (See Ritz, August N., assignor.)
Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Device for joining the ends of belts. No. 1,257,954; Feb. 26; v. 247; p. 942.
Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Coupling-pin for belt-lacings. No. 1,271,444; July 2; v. 252; p. 192.
Diamond Manufacturing Company. (See Neuman, Hugo, assignor.)

Diamond Match Company, The. (See Cruser, Frederick V., assignor.)
Diamond Match Company, The. (See Cruser and Howard, assignors.)
Diamond Match Company, The. (See Donnelly, Joseph C., assignor.)
Diamond Match Company, The. (See Fairburn, William A., assignor.)
Diamond Match Company, The. (See Howard, Oliver Z., assignor.)
Diamond Match Company, The. (See Paridon, Michael, assignor.)
Diamond Match Company, The. (See Schumacher and Winters, assignors.)
Diamond Match Company, The. (See Teeple, Oliver P., assignor.)
Diamond Match Company, The. (See Wright and Carlson, assignors.)
Diamond, Moses S., New York, N. Y. Humidor. No. 1,272,017; July 9; v. 252; p. 388.
Diamond Power Specialty Company. (See Herman, Samuel J., assignor.)
Diamond State Fibre Company. (See McIntosh, James, assignor.)
Dianovszky, John, Sr., Passaic, N. J. Hinge. No. 1,269,403; June 11; v. 251; p. 393.
Diaphone Signal Company. (See Sims, Frederick L. H., assignor.)
Diaz, Laura A., Camajuani, Cuba. Machine for cutting chaff. No. 1,284,068; Nov. 5; v. 256; p. 166.
Diaz, Vicente G., Habana, Cuba. Ramp or inclined runway for vehicles. No. 1,262,930; Apr. 16; v. 249; p. 606.
Dibble, Frank Y., Chicago, Ill. Cutting-torch. No. 1,280,420; Oct. 1; v. 255; p. 85.
Dice, Agnew T., Jr. (See Seeders, Irwin A., assignor.)
Dice, Elmer B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric heating apparatus. No. 1,284,257; Nov. 12; v. 256; p. 243.
Dice, Lee R., Manhattan, Kans. Exposure-meter. No. 1,259,373; Mar. 12; v. 248; p. 450.
Dick, Ferdinand, Jr., Fults, Ill. Automobile-lamp support. No. 1,264,619; Apr. 30; v. 249; p. 1128.
Dick Kerr & Company. (See Thury, René, assignor.)
Dick, Ralph H., and A. G. Bloomdahl, assignors to The Safe-Cabinet Co., Marietta, Ohio. Heat-resisting cabinet. No. 1,252,790; Jan. 8; v. 246; p. 423.
Dick, Samuel M., Minneapolis, Minn. Automatic air-brake-hose coupling. No. 1,256,778; Feb. 19; v. 247; p. 563.
Dick, Samuel M., assignor of one-half to F. E. Mick, Minneapolis, Minn. Making composition butter. No. 1,258,996; Mar. 12; v. 248; p. 344.
Dick, Samuel M., assignor of one-half to F. E. Mick, Minneapolis, Minn. Artificial butter. No. 1,258,997; Mar. 12; v. 248; p. 344.
Dick, William A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-shifting mechanism. No. 1,264,778; Apr. 30; v. 249; p. 1169.
Dick, William W., Evansville, Ind. Automatic safety control. No. 1,285,568; Nov. 19; v. 256; p. 614.
Dickason, Bertram L., Council Bluffs, Iowa. Drying-cage for photographic films. No. 1,266,001; May 14; v. 250; p. 341.
Dickens, John W., Fort Wayne, Ind. Fish-bait. No. 1,254,397; Jan. 22; v. 246; p. 938.
Dickens, Richard G. (See Bruce and Dickens.)
Dickenson, Benjamin, New York, N. Y. Game. No. 1,260,879; Mar. 26; v. 248; p. 948.
Dickenson, Richard W., Jr., Sioux Falls, S. D. Composition of matter to be used as a flour. No. 1,271,139; July 2; v. 252; p. 108.
Dickerson, Arthur, Salt Lake City, Utah. Ignition device. No. 1,267,991; May 28; v. 250; p. 952.
Dickerson, Arthur, Salt Lake City, Utah. Water-wheel regulator. No. 1,279,848; Sept. 24; v. 254; p. 764.
Dickerson, Arthur, assignor to Dickerson Manufacturing Company, Salt Lake City, Utah. Ignition device. No. 1,254,584; Jan. 22; v. 246; p. 992.
Dickerson, Arthur D. (See Brown, Charles F., assignor.)
Dickerson, Fred G., assignor, by mesne assignments, to Mojonnier Bros. Co., Chicago, Ill. Storage-tank. No. 1,255,298; Feb. 5; v. 247; p. 52.
Dickerson, Glenn, and D. Hamilton, assignors to The Dickerson Glue Jointer Company, Grand Rapids, Mich. Woodworking-machine. No. 1,264,026; Apr. 23; v. 249; p. 929.
Dickerson Glue Jointer Company, The. (See Dickerson and Hamilton, assignors.)
Dickerson, Harry P., Sherman, Tex. Heel-attaching means. No. 1,265,755; May 14; v. 250; p. 272.
Dickerson Manufacturing Company. (See Dickerson, Arthur, assignor.)
Dickey, Aaron F., Somerset, Pa. Gearing. No. 1,268,693; June 4; v. 251; p. 176.
Dickey, Bernice M., Indianapolis, Ind. Marshmallow-toaster. No. 1,265,627; May 7; v. 250; p. 205.
Dickey, Ernest, Dayton, Ohio, assignor to The Domestic Engineering Company. Oiling system. No. 1,271,140; July 2; v. 252; p. 109.
Dickinson, Albert G. (See Knowles and Martin, assignors.)
Dickinson, Charles R., Seattle, Wash. Combined collar-fastener and tie-supporter. No. 1,286,556; Dec. 3; v. 257; p. 91.
Dickinson, Edgar D., Schenectady, N. Y., assignor to General Electric Company. Ship propulsion. No. 1,269,404; June 11; v. 251; p. 393.
Dickinson, Frank B., Elmira, N. Y. Belt-guide. No. 1,280,682; Oct. 8; v. 255; p. 183.
Dickinson, George J., New Haven, Conn. Blotter. No. 1,277,703; Sept. 3; v. 254; p. 103.
Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Disk-scraper. No. 1,251,874; Jan. 1; v. 246; p. 130.
Dickinson, Harry S., assignor to Moline Plow Company, Moline, Ill. Tractor connection. No. 1,257,589; Feb. 26; v. 247; p. 837.
Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Wheeled plow. No. 1,269,166; June 11; v. 251; p. 327.
Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Lister-cultivator. No. 1,271,292; July 2; v. 252; p. 152.
Dickinson, Harry S., assignor to Moline Plow Company, Moline, Ill. Cultivator. No. 1,286,557; Dec. 3; v. 257; p. 92.
Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Lister-cultivator. No. 1,289,411; Dec. 31; v. 257; p. 912.
Dickinson, James L., Centralia, Ill. Furnace-door handle. No. 1,254,215; Jan. 22; v. 246; p. 886.
Dickinson, James O. (See Bryson and Dickinson.)
Dickinson, Joel, Newark, N. J. Die for forging projectiles and the like. No. 1,266,925; May 21; v. 250; p. 627.
Dickinson, John W., Jr., Little Rock, Ark. Demountable wheel. No. 1,256,882; Feb. 19; v. 247; p. 595.
Dickinson, Joseph H., Cranford, N. J., assignor to The Aeolian Company. Phonograph. No. 1,252,411; Jan. 8; v. 246; p. 314.
Dickinson, Joseph H., Cranford, N. J., assignor to The Aeolian Company. Brake. No. 1,253,475; Jan. 15; v. 246; p. 656.
Dickinson, Joseph H., Cranford, N. J., assignor to The Aeolian Company. Talking-machine. No. 1,279,522; Sept. 24; v. 254; p. 671.
Dickinson, Joseph H., Larchmont, N. Y., assignor to The Aeolian Company. Puppet-valve. No. 1,285,069; Nov. 19; v. 256; p. 488.
Dickinson, Lewis E., Boonton, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device for electric circuits. No. 1,252,412; Jan. 8; v. 246; p. 314.
Dickinson, Lewis E., Boonton, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Heat-coil protective device for electric circuits. No. 1,273,158; July 23; v. 252; p. 760.
Dickinson, Sanford B., Bath, N. Y. Roadway. No. 1,265,628; May 7; v. 250; p. 205.
Dickinson, William W., Jr., Little Rock, Ark. Brick-handling apparatus. (Reissue.) No. 14,433; Feb. 19; v. 247; p. 717.
Dickman, Smith V., Shavertown, N. Y. Power-transmission and speed-changing mechanism. No. 1,284,069; Nov. 5; v. 256; p. 166.
Dicks, Robert L. (See Fleming and Dicks.)
Dicks, Thomas A., Wilkinsburg, and I. L. Griffith, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Wrapping-machine. No. 1,284,258; Nov. 12; v. 256; p. 244.
Dickson, Benjamin F., Webb City, Mo. Knockdown crate. No. 1,284,070; Nov. 5; v. 256; p. 167.
Dickson, C. L., Chattanooga, Tenn. Fuse-plug. No. 1,262,463; Apr. 9; v. 249; p. 444.
Dickson, Eskew B. (See Elkin, Lewellyn, assignor.)
Dickson, John, Vancouver, Wash. Box-car lining. No. 1,262,025; Apr. 9; v. 249; p. 321.
Dickson, Laurence A., Memphis, Tenn. Musical mechanical toy. No. 1,276,626; Aug. 20; v. 253; p. 694.
Diddridge-Beck Co., The. (See Beck, John C., assignor.)
Didschuneit, Julius A., Bishopville, S. C. Compartment letter-box. No. 1,284,259; Nov. 12; v. 256; p. 244.
Diebel, Henry, assignor of one-half to W. H. Wilcox, Detroit, Mich. Wire-fence fastener for cement posts. No. 1,275,137; Aug. 6; v. 253; p. 224.
Diehl, Frederick, assignor to Diehl Manufacturing Co., Elizabeth, N. J. Drive-wheel. No. 1,253,795; Jan. 15; v. 246; p. 746.
Diehl, Hermann, Frankfort-on-the-Main-Bockenheim, assignor to Mafam Motor-Apparate G. m. b. H., Frankfort-on-the-Main, Germany. Automatic timing mechanism for magnetos. No. 1,273,044; July 16; v. 252; p. 704.
Diehl Manufacturing Co. (See Diehl, Frederick, assignor.)
Diehl Manufacturing Company. (See Zabriskie, Henry L., assignor.)
Diehl Manufacturing Company. (See Zabriskie and Marx, assignors.)
Diehl Manufacturing Company. (See Zenk, Charles C., assignor.)

Diehl, Rudolph. (See Stainkamp, Francis A., assignor.)
Diehm, Lucius N., West Hartford, Conn. Firearm. No. 1,271,678; July 9; v. 252; p. 293.
Diehm, Lucius N., West Hartford, assignor of thirty-nine six-hundred-and-twenty-fourths to D. A. Baldwin, three hundred and seven six-hundred-and-twenty-fourths to B. C. Stone, one hundred and fifteen six-hundred-and-twenty-fourths to F. I. Hodge, and forty six-hundred-and-twenty-fourths to F. Turner, Middletown, Conn. Trigger mechanism for firearms. No. 1,285,954; Nov. 26; v. 256; p. 750.
Diem, Hans J., assignor of one-half to Sanford Narrow Fabric Co., New York, N. Y. Mitten. No. 1,280,421; Oct. 1; v. 255; p. 85.
Diener, Hyman, Washington, D. C. Automobile-tire. No. 1,254,994; Jan. 29; v. 246; p. 1142.
Dierke, Charles, assignor of one-half to G. Freiwald, Portland, Oreg. Dental-floss holder. No. 1,262,464; Apr. 9; v. 249; p. 444.
Dierks, John, Kansas City, Mo. Stock-feeder. No. 1,276,884; Aug. 27; v. 253; p. 800.
Dierks, Louis E., assignor to Sauerman Brothers, Chicago, Ill. Material-moving apparatus. No. 1,263,749; Apr. 23; v. 249; p. 852.
Dies, Charles A., Chicago, Ill. Clamp. No. 1,260,345; Mar. 26; v. 248; p. 794.
Dies, Charles A., assignor to C. Mark, Chicago, Ill. Making pipe-couplings. No. 1,265,709; May 7; v. 250; p. 227.
Diescher, Samuel E., Pittsburgh, Pa. Sheet-cleaning machine. No. 1,279,672; Sept. 24; v. 254; p. 714.
Diescher, Samuel E., Pittsburgh, Pa. Manufacture of seamless tubes. No. 1,280,683; Oct. 8; v. 255; p. 184.
Dieterich, Albert E., Washington, D. C. Extracting cones from their baking-molds. No. 1,275,138; Aug. 6; v. 253; p. 224.
Dieterich, Albert E., Washington, D. C., assignor to F. A. Bruckman, Portland, Oreg. Extracting the molded and baked products from pastry-molds. No. 1,280,422; Oct. 1; v. 255; p. 85.
Dieterich, Hermann. (See Ach and Dieterich.)
Dieterich, Karl G., New York, N. Y. Snap-fastener. No. 1,256,528; Feb. 19; v. 247; p. 491.
Dietrich, Charles. (See Kempinski, Albin, assignors.)
Dietrich, Charles W., Chicago, Ill. Suspension-clamp. No. 1,281,531; Oct. 15; v. 255; p. 448.
Dietrick, Louis, Brooklyn, N. Y. Lock for hand-bags. No. 1,264,027; Apr. 23; v. 249; p. 929.
Dietz, Charles, deceased, assignor of one-half to P. S. Theurer, Chicago, Ill.; M. Dietz, administratrix. Center-bearing. No. 1,276,188; Aug. 20; v. 253; p. 573.
Dietz, Herbert, Cincinnati, Ohio. Foot-rest for automobile-accelerator pedals. No. 1,276,189; Aug. 20; v. 253; p. 574.
Dietz, Louis E., Cincinnati, Ohio. Operating device for washing-machines. No. 1,281,306; Oct. 15; v. 255; p. 385.
Dietz, Maurice B., Houston, Tex. Refrigerator-car. No. 1,278,313; Sept. 10; v. 254; p. 292.
Dietz, Myra, administratrix. (See Dietz, Charles.)
Dietze, Carl, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal-combustion engine. No. 1,254,032; Jan. 22; v. 246; p. 833.
Dietze, Carl, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Valve-gearing for internal-combustion engines. No. 1,272,018; July 9; v. 252; p. 388.
Dietzel, Frank L., West Nashville, Tenn. Electrically heated radiator. No. 1,287,913; Dec. 17; v. 257; p. 493.
Dietzel, Louis H., Hartford, Conn. Linotype-clamp. No. 1,266,776; May 21; v. 250; p. 586.
Diffee, Sarah J., Temple, Tex. Soap powder. No 1,260,346; Mar. 26; v. 248; p. 794.
Diffendall, Walter H., Hagerstown, Md. Oil-torch. No. 1,278,881; Sept 17; v. 254; p. 474.
Differential Clock Company. (See Busenbenz, Jacob J., assignor.)
Diggs, Welford H., Emporia, Kans. Door-opener. No. 1,271,445; July 2; v. 252; p. 192.
Dight, George W., Seattle, Wash. Pumping apparatus. No. 1,279,293; Sept. 17; v. 254; p. 584.
Dignam, William S., Barrie, Ontario, Canada. Hair-cutting device. No. 1,280,972; Oct. 8; v. 255; p. 262.
Digney, Thomas J., Bridgeport, Conn. Submarine barrier. No. 1,271,864; July 9; v. 252; p. 343.
Dihlmann, Eugen G., Leipzig-Reudnitz, Germany. Shoe-press. No. 1,272,019; July 9; v. 252; p. 388.
Dihlmann, Eugen G., Leipzig-Reudnitz, Germany. Shoe-press. No. 1,276,627; Aug. 20; v. 253; p. 695.
Dike, Charles F. (See Lamar, Alexis L., assignor.) (Reissue.)
Dilg, Charles H. J., Rye, N. Y. Shield for bearings. No 1,269,405; June 11; v. 251; p. 393.
Dilg, Charles H. J., New York, N. Y. Brush-holder for dynamo-electric machines. No. 1,271,863; July 9; v. 252; p. 342.
Dilg, Charles H. J., New York, N. Y. Motor-fan. No. 1,289,412; Dec. 31; v. 257; p. 912.
Dilger, John E., Yankton, S. D. Steering-gear attachment. No. 1,251,875; Jan. 1; v. 246; p. 130.
Dill, Cyril J., Burrwood, La. Necktie. No. 1,267,387; May 28; v. 250; p. 783.
Dillberg, Erik, Hartford, Conn., assignor to The Wiley-Bickford-Sweet Co., Worcester, Mass. Slipper and making the same. No. 1,262,026; Apr. 9; v. 249; p. 322.
Dillenbeck, Jacob J., Pulaski, N. Y. Truss. No. 1,277,704; Sept. 3; v. 254; p. 104.
Dilley, Arzeno J., Muir, Mich. Vehicle-spring. No. 1,276,696; Aug. 20; v. 253; p. 712.
Dilley, Arzeno J., Muir, assignor of one-half to F. W. Green, Ionia, Mich. Grease-cup. No. 1,255,113; Jan. 29; v. 246; p. 1174.
Dillig, George F., Pittsburgh, Pa. Loading mechanism. No. 1,281,532; Oct. 15; v. 255; p. 449.
Dillingham, Frederick A., assignor to The Troy Carriage Sun Shade Company, Troy, Ohio. Wind-shield. No. 1,255,394; Feb. 5; v. 247; p. 81.
Dillingham, Frederick A., assignor to The Troy Carriage Sunshade Company, Troy, Ohio. Hinge. No. 1,268,793; June 4; v. 251; p. 205.
Dillman, Forest E., Traer, Kans. Automobile-operated power plant. No. 1,263,215; Apr. 16; v. 249; p. 687.
Dillon, Friend E., Wheeling, W. Va., assignor, by mesne assignments, to The Dillon Lens & Manufacturing Company, Bridgeport, Ohio. Auto-lens. No. 1,253,012; Jan. 8; v. 246; p. 489.
Dillon, George F., McLouth, Kans. Device for holding loose articles in packages. No. 1,258,099; Mar. 5; v. 248; p. 44.
Dillon, George W., Des Moines, Iowa. Nut-lock. No. 1,252,554; Jan. 8; vol. 246; p. 357.
Dillon, Laurence F., Melrose Park, Ill., assignor to American Can Company, New York, N. Y. Can-handling machine. No. 1,266,666; May 21; v. 250; p. 555.
Dillon Lens & Manufacturing Company, The. (See Dillon, Friend E., assignor.)
Dillon, Sidney O. (See Oakes and Dillon.)
Diluchio, Michael M., Wilmington, Del. Pilot for gas-burners. No. 1,272,780; July 16; v. 252; p. 629.
Dimick, Nolie, Black Rock, Oreg. Snap-hook. No. 1,263,346; Apr. 16; v. 249; p. 720.
Dineen, John, Chicago, Ill. Cushion-tire. No. 1,277,396; Sept. 3; v. 254; p. 18.
Dinesen, Hans P., Herlöv, Denmark. Method and apparatus for drying materials in sacks and the like. No. 1,271,293; July 2; v. 252; p. 153.
Dinesen, Hans P., Herlöv, Denmark. Apparatus for drying materials in sacks or similar vessels. No. 1,282,771; Oct. 29; v. 255; p. 851.
Dinesen, Laurits, assignor to Perfection Manufacturing Company, Minneapolis, Minn. Milking apparatus. No. 1,261,780; Apr. 9; v. 249; p. 256.
Dinesen, Laurits, assignor to Perfection Manufacturing Company, Minneapolis, Minn. Valve-caging for milking-machines. No. 1,264,377; Apr. 30; v. 249; p. 1059.
Dinesen, Laurits, assignor to Perfection Manufacturing Company, Minneapolis, Minn. Continuous-acting pump. No. 1,286,958; Dec. 10; v. 257; p. 223.
Dingfeld, Oscar, Brooklyn, N. Y. Machine for unhairing fur-skins. No. 1,287,914; Dec. 17; v. 257; p. 493.
Dingley Thomas, Parnell, New Zealand. Coal-skep. No. 1,259,374; Mar. 12; v. 248; p. 450.
Dings Magnetic Separator Co. (See Bethke, John P., assignor.)
Dingwall, James E., and W. D. Prudden, assignors of one-third to D. B. McDonald, Duluth, Minn. Flax-straw beating and scutching machine. No. 1,278,609; Sept. 10; v. 254; p. 371.
Dinhofer, Julius, New York, N. Y. Finger-measuring device. No. 1,282,772; Oct. 29; v. 255; p. 851.
Dinn, Patrick J., Roxbury, Mass. Barrel-head fastener. No. 1,272,020; July 9; v. 252; p. 389.
Dinsmoor, Luther. (See Smith and Dinsmoor.)
Dion, Eloge. (See Barry and Dion.)
Dion, Otto D., New York, N. Y. Rag-clipping machine. No. 1,261,368; Apr. 2; v. 249; p. 108.
Dionne, Merrill C. (See Bradley and Dionne.)
Diriwachter, Marguerite, New York, N. Y. Musical game. No. 1,283,695; Nov. 5; v. 256; p. 68.
Disbennet, Charles, Logan, Ohio. Insulator. No. 1,230,160; Mar. 19; v. 248; p. 706.
Disbrow, Reuben B., St. Paul, Minn. Milking-machine. No. 1,259,375; Mar. 12; v. 248; p. 450.
Disbrow, Reuben B., St. Paul, Minn. Combined churn and butter-worker. No. 1,274,393; Aug. 6; v. 253; p. 14.
Discher, Edward W., Seattle, Wash. Automatic valve. No. 1,257,070; Feb. 19; v. 247; p. 649.
Discher, Edward W., Seattle, Wash. Automatic valve. No. 1,287,258; Dec. 10; v. 257; p. 301.
Diserens, Thomas H., Dallas, and F. C. McKay, Celina, Tex. Boll-weevil-destroying machine. No. 1,263,312; Apr. 16; v. 249; p. 711.
Dishman, Dana W., Owensburg, assignor of one-half to T. Carmichael, Hobbieville, Ind. Ensilage spreader and packer. No. 1,276,190; Aug. 20; v. 253; p. 574.
Disinger, Ernest, assignor to Willard Storage Battery Company, Cleveland, Ohio. Machine for casting straps to battery-plates. No. 1,274,016; July 30; v. 252; p. 1029.
Disney, James L., Philadelphia, Pa. Stereoscope. No. 1,257,327; Feb. 26; v. 247; p. 759.

Disturnal, Thomas J., Belmont, Ireland. Carbureter. No. 1,277,705; Sept. 3; v. 254; p. 104.
Ditmars, Theodore, Kansas City, Mo. Driving mechanism. No. 1,255,299; Feb. 5; v. 247; p. 53.
Ditson, Jesse, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Drill-sharpener. No. 1,258,998; Mar. 12; v. 248; p. 344.
Ditson, Jesse, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Drill-sharpener. No. 1,258,999; Mar. 12; v. 248; p. 341.
Dittbenner, Hermann G. (See Walker and Dittbenner.)
Dittemore, James A., St. Joseph, Mo. Gun-sight. No. 1,256,987; Feb. 19; v. 247; p. 626.
Dittenhoefer, Abram J. (See Biegel, William J., assignor.)
Dittman, Frank W., Fordham, and E. W. Baggott, Brooklyn, N. Y., assignors of one-third to R. W. Scott, Montclair, N. J. Door. No. 1,276,191; Aug. 20; v. 253; p. 574.
Dittman, Samuel E., New York, N. Y., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Gripper attachment for printing-presses. No. 1,269,687; June 18; v. 251; p. 502.
Dittmar, Elmer C., Williamsport, Pa. Flooring. No. 1,268,694; June 4; v. 251; p. 177.
Dittrick, John, Perth, Ontario, Canada. Chair-leg extension. No. 1,272,636; July 16; v. 252; p. 589.
Dittrick, John, Elmsley township, Ontario, Canada. Toy cannon. No. 1,282,549; Oct. 22; v. 255; p. 763.
Ditzler, Guy E., and J. F. Stender, assignors to The Adams & Westlake Company, Chicago, Ill. System of electrical regulation. No. 1,284,616; Nov. 12; v. 256; p. 334.
Diver, Daniel, Calgary, Alberta, Canada. Machine for separating gold, silver, and the like from sands. No. 1,254,484; Jan. 22; v. 246; p. 963.
Dix, Arthur, Santa Maria, Cal. Fluid-pressure generator for turbines. No. 1,278,314; Sept. 10; v. 254; p. 292.
Dix, James H., Plymouth township, Montgomery county, Pa. Collar. No. 1,252,791; Jan. 8; vol. 246; p. 424.
Dixie Fruit Products Company. (See Page, James B., assignor.)
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company. Counting apparatus. No. 1,254,661; Jan. 29; v. 246; p. 1042.
Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tuning-fork. No. 1,257,684; Feb. 26; v. 247; p. 863.
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Synchronizing system. No. 1,258,540; Mar. 5; v. 248; p. 172.
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selecting system. No. 1,262,654; Apr. 16; v. 249; p. 526.
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selecting system. No. 1,262,655; Apr. 16; v. 249; p. 527.
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Controlling system. No. 1,264,378; Apr. 30; v. 249; p. 1059.
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Printing-telegraph system. No. 1,271,141; July 2; v. 252; p. 109.
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Synchronizing system. No. 1,280,423; Oct. 1; v. 255; p. 86.
Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company. Printing-telegraph system. No. 1,286,959; Dec. 10; v. 257; p. 223.
Dixon, Andrew W. (See Creighton and Dixon.)
Dixon, Ezra. (See Beede, Herbert G., assignor.)
Dixon, Ezra, Bristol, R. I. Top-roll saddle. No. 1,263,044; Apr. 16; v. 249; p. 637.
Dixon, Ezra, Bristol, R. I. Top-roll saddle. No. 1,265,306; May 7; v. 250; p. 119.
Dixon, Ezra, Bristol, R. I. Top-roll saddle. No. 1,265,307; May 7; v. 250; p. 119.
Dixon, Ezra, Bristol, R. I. Guide-eye for spinning or roving machines. No. 1,282,773; Oct. 29; v. 255; p. 851.
Dixon, Ezra, Bristol, R. I. Top-roll saddle. No. 1,285,643; Nov. 26; v. 256; p. 672.
Dixon, Floyd E., Rome, Pa. Folding umbrella. No. 1,261,722; Apr. 2; v. 249; p. 206.
Dixon, George C., Dixon, and W. N. Haskell, Sterling, Ill. Speedometer dial and indicator. No. 1,272,396; July 16; v. 252; p. 521.
Dixon, Hannah M., Kittanning, Pa. Skirt-marker. No. 1,275,539; Aug. 13; v. 253; p. 360.
Dixon, Henry, and A. Thiele, Dayton, Ohio. Sanitary milk-box. No. 1,261,220; Apr. 2; v. 249; p. 63.
Dixon, John W., and H. Eden, Kansas City, Mo. Batter-cake machine. No. 1,265,629; May 7; v. 250; p. 205.
Dixon, Joseph O. (See Mummert and Dixon.)
Dixon, Robert, Armells, Mont. Plow. No. 1,257,818; Feb. 26; v. 247; p. 904.
Dixon, Robert, Armells, Mont. Scraper attachment for brake-shoes. No. 1,274,997; Aug. 6; v. 253; p. 186.
Dixon, Robert, Armells, Mont. Folding foot-scraper. No. 1,289,698; Dec. 31; v. 257; p. 981.
Dixon, Robert, Armells, Mont. Valve-testing device. No. 1,289,699; Dec. 31; v. 257; p. 982.
Dixon, Robert, Armells, Mont. Motor-plow. No. 1,289,700; Dec. 31; v. 257; p. 982.
Dixon, Robert M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. System for charging storage batteries. No. 1,287,259; Dec. 10; v. 257; p. 301.
Dixon, Thomas J., Madison, Wis. Tube-expander. No. 1,269,688; June 18; v. 251; p. 502.
Djerf, Knut. (See Pierce and Djerf.)
Doak, Egbert O., Canastota, S. D. Grain-car door. No. 1,253,160; Jan. 8; vol. 246; p. 533.
Doane, Neil B., De Ridder, La. Rotary internal-combustion engine. No. 1,255,865; Feb. 12; v. 247; p. 257.
Doane, Harry C., Binghamton, N. Y. Portable electric lamp. No. 1,266,427; May 14; v. 250; p. 457.
Dobbin, James F. (See Ricker and Dobbin.)
Dobbins, George R., assignor of one-third to A. C. Rupp, Los Angeles, Cal. Footboard for motor-vehicles. No. 1,287,260; Dec. 10; v. 257; p. 301.
Dobbs, A. H., *et al.* (See Kirkpatrick and Dobbs, assignors.)
Dobbs, Charles S. (See Kirkpatrick and Dobbs.)
Dobbs, J. M., *et al.* (See Kirkpatrick and Dobbs, assignors.)
Dobersch, Hugo J., assignor to E. W. Bredemeier & Company, Chicago, Ill. Loose-leaf binder. No. 1,279,673; Sept. 24; v. 254; p. 714.
Dobinsky, John W., Hamilton, Ontario, Canada Bomb. No. 1,276,736; Aug. 27; v. 253; p. 762.
Dobkins, Pearl, Grand Prairie, Tex. Fence fabric. No. 1,279,849; Sept. 24; v. 254; p. 765.
Doble, Abner, assignor to General Engineering Company, Detroit, Mich. Igniting liquid fuel. No. 1,260,523; Mar. 26; v. 248; p. 846.
Doble, Abner, assignor to General Engineering Company, Detroit, Mich. Instantaneous-ignition mechanism for fuel-oil atomizers. No. 1,260,524; Mar. 26; v. 248; p. 846.
Doble, Abner, Brookline, Mass., assignor, by mesne assignments, to Doble-Detroit Steam Motors Co., Detroit, Mich. Electric auxiliary system for steam-automobiles. No. 1,266,229; May 14; v. 250; p. 405.
Doble, Abner, assignor, by mesne assignments, to Doble-Detroit Steam Motors Co., Detroit, Mich. System of automatic regulation for steam-driven automobiles. No. 1,283,109; Oct. 29; v. 255; p. 945.
Doble, Abner, assignor to Doble-Detroit Steam Motors Co., Detroit, Mich. Method of and means for burning liquid fuel. No. 1,284,182; Nov. 5; v. 256; p. 196.
Doble, Abner, assignor, by mesne assignments, to Doble-Detroit Steam Motors Co., Detroit, Mich. Automatic control for steam-driven automobiles. No. 1,287,915; Dec. 17; v. 257; p. 494.
Doble-Detroit Steam Motors Co. (See Doble, Abner, assignor.)
Doble, John A., assignor to Doble Laboratories, San Francisco, Cal. Fuel-control system for burners. No. 1,263,653; Apr. 23; v. 249; p. 827.
Doble, John A. and W. A., Jr., assignors to Doble Laboratories, San Francisco, Cal. Fuel-burner. No. 1,273,467; July 23; v. 252; p. 842.
Doble Laboratories. (See Doble, John A., assignor.)
Doble Laboratories. (See Doble, John A. and W. A., Jr., assignors.)
Doble Laboratories. (See Doble, William A., assignor.)
Doble Laboratories. (See Doble, William A. Jr., assignor.)
Doble, William, *et al.* (See Field, Samuel B., assignor.)
Doble, Wililam A., assignor to Pelton Water Wheel Company, San Francisco, Cal. Valve. No. 1,253,013; Jan. 8; vol. 246; p. 490.
Doble, William A., assignor to Doble Laboratories, San Francisco, Cal. Fuel-control system for burners. No. 1,263,654; Apr. 23; v. 249; p. 828.
Doble, William A., assignor to Doble Laboratories, San Francisco, Cal. Fuel-burner. No. 1,273,466; July 23; v. 252; p. 842.
Doble, William A., and O. Jacobsen, assignors to Pelton Water Wheel Company, San Francisco, Cal. Deep-well pump. No. 1,285,644; Nov. 26; v. 256; p. 672.
Doble, William A., Jr. (See Doble, John A. and W. A., Jr.)
Doble, William A., Jr., assignor to Doble Laboratories, San Francisco, Cal. Fuel-control system. No. 1,279,674; Sept. 24; v. 254; p. 715.
Doble, William H., Quincy, and C. M. Wheaton, deceased; G. H. Wheaton, administratrix, Newton; said Doble and said C. M. Wheaton assignors of three-fourths to said William H. Doble and one-fourth to Pneumatic Scale Corporation Limited, Quincy, Mass. Folding box or shipping-case. (Reissue.) No. 14,471; May 14; v. 250; p. 489.
Dobslaw, Carl. (See Schmidt and Dobslaw.)

Alphabetical list of patentees—Continued.

Dobson, John V., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,256,212; Feb. 12; v. 247; p. 362.
Dobson, John V., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,285,070; Nov. 19; v. 256; p. 488.
Dobson, Tom, Pawtucket, R. I. Valve. No. 1,271,446; July 2; v. 252; p. 193.
Dobson, William A., Philadelphia, Pa. Torpedo protection for cargo and other vessels. No. 1,264,620; Apr. 30; v. 249; p. 1128.
Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Fastener-inserting machine. No. 1,286,559; Dec. 3; v. 257; p. 92.
Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Work-support for fastener-inserting machines. No. 1,287,577; Dec. 10; v. 257; p. 377.
Dochnal, Frank, St. Louis, Mo. Tile for wall structures. No. 1,277,556; Sept. 3; v. 254; p. 61.
Dochtermann, George T., Passaic, N. J. Distributer-head for magnetos. No. 1,289,128; Dec. 31; v. 257; p. 840.
Dockery, William F. (See Slattery and Dockery.)
Dockray, Henry V., assignor to H. V. Dockray Brass & Iron Company, Zanesville, Ohio. Shaking and dumping device for furnace-grates. No. 1,270,126; June 18; v. 251; p. 620
Dockray, Mary J., administratrix. (See Dockray, Peter J.)
Dockray, Peter J., Woonsocket, R. I. Stop-motion for combers and the like. No. 1,252,095; Jan. 1; v. 246; p. 192.
Dockray, Peter J., deceased; M. J. Dockray, administratrix, Woonsocket, R. I. Stop-motion for combers and the like. No. 1,252,096; Jan. 1; v. 246; p. 193.
Dockray, Peter J., deceased; M. J. Dockray, administratrix, Woonsocket, R. I. Stop-motion for combers and the like. No. 1,252,097; Jan. 1; v. 246; p. 193.
Dockray, Peter J., deceased; M. J. Dockray, administratrix, Woonsocket, R. I. Stop-motion for combers and the like. No. 1,252,098; Jan. 1; v. 246; p. 193.
Docter, Henry M., Sr., Dayton, Ky. Belt-sanding machine. No. 1,286,560; Dec. 3; v. 257; p. 92.
Dodd, David P., assignor to F. B. Wyatt, Fort Worth, Tex. Motion-picture machine. No. 1,286,874; Dec. 3; v. 257; p. 163.
Dodd, Herbert J., Herne Hill, England. Tobacco-pipe. No. 1,252,251; Jan. 1; v. 246; p. 234.
Dodd, John W. (See Shirey and Dodd.)
Dodd, West, Des Moines, Iowa. Lightning-protector. No. 1,259,000; Mar. 12; v. 248; p. 345.
Dodder, Charles O. (See Tyler, Wilson S., assignor.)
Dodds, Bert C., Woodland, Cal. Adjustable ladder-shelf. No. 1,260,525; Mar. 26; v. 248; p. 847.
Dodds, Ethan I. (See Flannery and Dodds.)
Dodds, Ethan I. (See Flannery, Dodds, and Landgraf.)
Dodds, Ethan I. (See Flannery, Stafford, and Dodds.)
Dodds, Ethan I. (See Stafford and Dodds.)
Dodds, Ethan I., Zelienople, assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Making bolts. No. 1,271,142; July 2; v. 252; p. 109.
Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Tail-light for automobiles. No. 1,256,445; Feb. 12; v. 247; p. 431.
Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,271,865; July 9; v. 252; p. 343.
Dodds, Ethan I., Pittsburgh, Pa., and R. S. Ferguson, Washington, D. C., assignors to Flannery Bolt Company, Pittsburgh, Pa. Illuminating device. No. 1,275,871; Aug. 13; v. 253; p. 453.
Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Portable lamp. No. 1,275,872; Aug. 13; v. 253; p. 454.
Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Portable lamp. No. 1,275,873; Aug. 13; v. 253; p. 454.
Dodds, Redus D., Humble, Tex. Device for extracting cores from wells. No. 1,252,555; Jan. 8; v. 246; p. 357.
Dodds, Rowan T. F., Decatur, Ill. Milling flour. No. 1,287,654; Dec. 17; v. 257; p. 428.
Dodds, Samuel R., Wilkinsburg, Pa. Electric motor-control system. No. 1,286,960; Dec. 10; v. 257; p. 224.
Dodds, Thomas, Thessalon, Ontario, Canada. Invalid-bed. No. 1,276,885; Aug. 27; v. 253; p. 800
Dodelin, Emil A., Moorestown, N. J. Needle-holder for sound-boxes. No. 1,276,192; Aug. 20; v. 253; p. 575.
Dodge, Adiel Y., Chicago, Ill. Automatic train-stop. No. 1,252,330; Jan. 1; v. 246; p. 256.
Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Flow-meter. No. 1,266,428; May 14; v 250; p. 457.
Dodge Brothers. (See Baskerville, Dean E., assignor.)
Dodge Brothers. (See Dodge and Alles, assignors.)
Dodge Brothers. (See Huff, Russell, assignor.)
Dodge, Charles C., Worcester, Mass. Hinged last. No. 1,261,781; Apr. 9; v. 249; p. 257.
Dodge, Claude R., Salt Lake City, Utah. Electric-cord protector. No. 1,251,991; Jan. 1; v. 246; p. 162.
Dodge, D. Stuart. (See Twombly, Williard I., assignor.)
Dodge, Edwin S., Boston, Mass. Dwelling-house. No. 1,268,439; June 4; v. 251; p. 105.
Dodge, Frank E., New York, N. Y., and F. H. Rhodes, Philadelphia, Pa., assignors to The Barrett Company. Recovering pyridin bases. No. 1,274,998; Aug. 6; v. 253; p. 186.
Dodge, Frank E., New York, N. Y., and F. H. Rhodes, Philadelphia, Pa., assignors to The Barrett Company. Recovering pyridin bases. No. 1,274,999; Aug. 6; v. 253; p. 187.
Dodge, Frank E., New York, N. Y., and F. H. Rhodes, Philadelphia, Pa., assignors to The Barrett Company. Apparatus for the recovery of pyridin bases. No. 1,275,000; Aug. 6; v. 253; p. 187.
Dodge, Henry P., assignor to The Ohio Electric Car Company, Toledo, Ohio. Electric automobile control. No. 1,282,389; Oct. 22; v. 255; p. 719.
Dodge, Horace L., Buffalo, N. Y. Ink-well. No. 1,285,955; Nov. 26; v. 256; p. 751.
Dodge, John F., and W. J. Alles, assignors to Dodge Brothers, Detroit, Mich. Manufacturing piston-rings. No. 1,255,142; Feb. 5; v. 247; p. 9.
Dodge, John F., Detroit, and H. C. Allen, Highland Park, assignor to Dodge Brothers, Detroit, Mich. Enameling apparatus. No. 1,268,778; June 4; v. 251; p. 200.
Dodge Manufacturing Company. (See Mix, Melville W., assignor.)
Dodge Manufacturing Company. (See Roe, Walter E., assignor.)
Dodge, Milo C., assignor to Plymouth Cordage Company, Plymouth, Mass. Marking device for ropes. No. 1,282,390; Oct. 22; v. 255; p. 720.
Dodge, Milton L., Newburyport, Mass. Making turn-shoes. No. 1,258,201; Mar. 5; v. 248; p. 73.
Dodgson, Frank L., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Selective relay. (Reissue.) No. 14,446; Mar. 26; v. 248; p. 980.
Dods, Andrew, Mimico, Ontario, Canada. Voussoirs for the construction of circular and arch masonry. No. 1,269,065; June 11; v. 251; p. 299.
Dodson, Alcada F., Milan, Mo. Alarm device for gasolene-tanks. No. 1,252,671; Jan. 8; v. 246; p. 390.
Dodson, Alcada F., Milan, Mo. Calculating-machine. No. 1,256,213; Feb. 12; v. 247; p. 362.
Dodson, Edwin L., Covington, Ky. Rotary display device for automobiles and the like. No. 1,258,541; Mar. 5; v. 248; p. 172.
Dodson, Joseph H. (See Rix, George K., assignor.)
Dodson, Luther W., Lottsburg, Va. Vehicle-wheel. No. 1,286,561; Dec. 3; v. 257; p. 93.
Dodson, Mary B., Geneva, Ill. Shelving arrangement and container therefor. No. 1,267,388; May 28; v. 250; p. 783.
Doehler Die-Casting Company. (See Bamberg and Doehler, assignors.)
Doehler Die Casting Company. (See Kralund, John, assignor.)
Doehler Die Casting Company. (See Pack and Nock, assignors.)
Doehler, Herman H. (See Bamberg and Doehler.)
Doellinger, Herrman G., Davenport, Iowa. Machine for decorating confections. No. 1,258,322; Mar. 5; v. 248; p. 108.
Doepken, Albert L., Wheeling, W. Va. Computing apparatus. No. 1,265,756; May 14; v. 250; p. 272.
Doerfler, Alfred M., Medford, Mass. Demountable rims for wheels. No. 1,270,022; June 18; v. 251; p. 594.
Doering, Charles, Jr., and H. H., Oak Park, Ill. Apparatus for dispensing drinking-cups and beverages. No. 1,252,413; Jan. 8; v. 246; p. 315.
Doering, Charles, Jr., and H. H., Chicago, Ill. Liquid cooling and dispensing apparatus. No. 1,266,667; May 21; v. 250; p. 556.
Doering, Charles J. (See Doering, William M. and C. J.)
Doering, George H., Brooklyn, N. Y. Split ring. No. 1,264,379; Apr. 30; v. 249; p. 1060.
Doering, Henry H. (See Doering, Charles, Jr., and H. H.)
Doering, William M. and C. J., Cincinnati, Ohio. Cardboard tire-stand. No. 1,284,260; Nov. 12; v. 256; p. 244.
Doern, Peter, New Rochelle, N. Y. Building construction. No. 1,257,819; Feb. 26; v. 247; p. 904.
Doern, Peter, New Rochelle, N. Y. Wall construction. No. 1,271,447; July 2; v. 252; p. 193.
Doerr, Harry E., St. Louis, Mo. Brake-beam hanger. No. 1,257,590; Feb. 26; v. 247; p. 837.
Doggett, Reginald L. S., East Orange, N. J. Varnish or color cup. No. 1,255,990; Feb. 12; v. 247; p. 295.
Doherty, Henry L., New York, N. Y. Treating liquids to remove dissolved salts. No. 1,251,486; Jan. 1; v. 246; p. 10.
Doherty, Henry L., New York, N. Y. Making alloys. No. 1,252,887; Jan. 8; v. 246; p. 450.
Doherty, John M., Cranbrook, British Columbia, Canada. Feed-bag. No. 1,277,878; Sept. 3; v. 254; p. 151.
Doherty, William F., Jr., Bisbee, Ariz. Wheel-tread. No. 1,279,294; Sept. 17; v. 254; p. 584.
Dohm, Otto B., Blaine, Wash. Mechanism for packing cans. No. 1,270,501; June 25; v. 251; p. 751.
Dohmen, Arthur, Cologne, Germany, assignor to A. F. Krause, Buffalo, N. Y. Apparatus for effecting electrolysis. No. 1,272,397; July 16; v. 252; p. 522.

Dohrmann, Frederick C., Los Angeles, Cal. Antiseptic toothbrush-holder. No. 1,262,465; Apr. 9; v. 249; p. 444.
Doidge, John J., Framingham, Mass. Bandolier cartridge-pouch. No. 1,259,491; Mar. 19; v. 248; p. 515.
Doig, Emma, executrix. (See Doig, James, assignor.)
Doig, Emma, executrix. (See Harriett, William F., assignor.)
Doig, James, assignor to E. Doig, executrix, Brooklyn, N. Y. Staple-driving machine. No. 1,271,548; July 9; v. 252; p. 256.
Dolan, David J., Detroit, assignor to B. Tripp, trustee, Allegan, Mich. Switch-lock. No. 1,279,523; Sept. 24; v. 254; p. 671.
Dolan, David J., Detroit, assignor to B. Tripp, trustee, Allegan, Mich. Switch-lock. No. 1,281,533; Oct. 15; v. 255; p. 449.
Dolan, Halley C., assignor of one-half to M. J. McLeod, Detroit, Mich. Signal. No. 1,268,695; June 4; v. 251; p. 177.
Dolan, John, Eldred, Pa. Dirigible headlight. No. 1,263,750; Apr. 23; v. 249; p. 852.
Dolan, John H. (See Hauser and Dolan.)
Dolbear, Samuel H., San Francisco, Cal. Storage bin, den, and the like. No. 1,279,089; Sept. 17; v. 254; p. 531.
Dolbear, Samuel H., and J. W. Beckman, San Francisco, Cal. Production of barium chlorid, magnesium chlorid, &c. No. 1,279,090; Sept. 17; v. 254; p. 531.
Dolby, Jesse H., Elgin, Ill. Shutter for cameras. No. 1,275,230; Aug. 13; v. 253; p. 276.
Dolcater, Frederick C., Rochester, N. Y., assignor to Montague Mailing Machinery Co., Chattanooga, Tenn. Selective printing-plate. No. 1,259,001; Mar. 12; v. 248; p. 345.
Doles, Rube A., Eddyville, Ky. Pole for ventilating hay stacks. No. 1,286,562; Dec. 3; v. 257; p. 93.
Dolge, Karl A., Westport, Conn. Embalming-board. No. 1,253,673; Jan. 15; v. 246; p. 712.
Doll, John J., New York, N. Y. Musical instrument. No. 1,264,164; Apr. 30; v. 249; p. 999.
Dollar Saving and Trust Company, The. (See Hansen, Julius F., assignor.)
Dollar Saving & Trust Company, The. (See Vallone, Charles, assignor.)
Dollison, Carl G., Barberton, Ohio. Comb-cleaner. No. 1,282,774; Oct. 29; v. 255; p. 851.
Dolloff, Bert L. (See Back and Dolloff.)
Dolmage, Mihran M., Washington, D. C. Two-way-repeater circuits. No. 1,272,022; July 9; v. 252; p. 389.
Dolphin, Marcelean, assignor of fifty-one one-hundredths to G. E. Strauss, New York, N. Y. Glove-supporting device. No. 1,264,905; May 7; v. 250; p. 9.
Dolyak, Joseph J., Youngstown, Ohio. Mold. No. 1,265,438; May 7; v. 250; p. 156.
Dom, Alexander, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Rack attachment for ledgers. No. 1,269,167; June 11; v. 251; p. 327.
Dom, Alexander, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Tubular perforator. No. 1,279,495; Sept. 24; v. 254; p. 663.
Doman, Albert E., Elbridge, assignor, by mesne assignments, to Dyneto Electric Corporation, Syracuse, N. Y. Brush unit. No. 1,272,637; July 16; v. 252; p. 589.
Doman, Albert E., Elbridge, assignor, by mesne assignments, to Dyneto Electric Corporation, Syracuse, N. Y. Manufacture of commutators. No. 1,282,051; Oct. 22; v. 255; p. 626.
Doman, Albert E., Elbridge, assignor, by mesne assignments, to Dyneto Electric Company, Syracuse, N. Y. Blank for manufacturing commutator-bars. No. 1,282,052; Oct. 22; v. 255; p. 627.
Doman, Lewis B., East Syracuse, assignor to The Amphion Piano Player Company, Syracuse, N. Y. Tone-modulating apparatus for self-playing musical instruments. No. 1,256,988; Feb. 19; v. 247; p. 627.
Doman, Lewis B., East Syracuse, N. Y., assignor to The Amphion Piano Player Company. Pneumatic selective device. No. 1,258,399; Mar. 5; v. 248; p. 130.
Doman, Lewis B., East Syracuse, assignor to The Amphion Piano Player Company, Syracuse, N. Y. Self-playing musical instrument. No. 1,269,406; June 11; v. 251; p. 393.
Doman, Lewis B., East Syracuse, assignor to The Amphion Piano Player Company, Syracuse, N. Y. Pneumatic self-playing musical instrument. No. 1,269,407; June 11; v. 251; p. 393.
Domanski, Jan J., Wilmington, Del. Soldier's helmet. No. 1,280,684; Oct. 8; v. 255; p. 184.
Dombrink, Henry. (See Sattelkau and Dombrink.)
Domer, Lester B., Navarre, Ohio. Tractor. No. 1,287,261; Dec. 10; v. 257; p. 301.
Domestic Electrical Company, The. (See Spielman, Milton H., assignor.)
Domestic Engineering Company, The. (See Dickey, Ernest, assignor.)
Domestic Mills Paper Company. (See Dubey, Alfred E., assignor.)
Domestic Products Corporation, The. (See Carson, Alvin T., assignor.)
Domestic Sewing Machine Co. (See Smallbone, Harry E. assignor.)
Domestic Talking Machine Corporation. (See Kraemer, Thomas, assignor.)
Domestic Talking Machine Corporation. (See Sheble and Kraemer, assignors.)
Domestic Vacuum Cleaner Company. (See Quist, Frank J., assignor.)
Domestic Vacuum Cleaner Company. (See Quist and Anderson, assignors.)
Domestic Vacuum Cleaner Company. (See Smith, Arthur H., assignor.)
Dominguez, Ralph J., *et al.* (See Barbosa, Antonio A., assignor.)
Dominy, John, Goodell, Iowa. Toy. No. 1,253,360; Jan. 15; v. 246; p. 622.
Donahie, Thomas L., Wheeling, W. Va. Valve for hot-blast stoves. No. 1,258,661; Mar. 12; v. 248; p. 247.
Donahoe, Edward H., Peoria, Ill. Waste-pipe fitting. No. 1,282,053; Oct. 22; v. 255; p. 627.
Donahoe, John M., Superior, Wis. Means for retaining lower partial dentures in the mouth. No. 1,262,184; Apr. 9; v. 249; p. 367.
Donahoo, John H., assignor of one-fourth to E. R. Goodwin, Fostoria, Tex. Shock-absorber. No. 1,260,761; Mar. 26; v. 248; p. 917.
Donahue, Frank, Utica, N. Y. Bleaching apparatus. No. 1,263,045; Apr. 16; v. 249; p. 638.
Donahue, J. C., *et al.* (See Brown, Theodore H., assignor.)
Donald, Robert, London, England. Respirator or inhaler. No. 1,268,696; June 4; v. 251; p. 177.
Donaldson, Corporal T., Columbus, Ohio. Measuring instrument. No. 1,284,879; Nov. 12; v. 256; p. 402.
Donaldson & Fisher Company. (See Fisher, Harvey L., assignor.)
Donaldson & Fisher Company. (See Fisher, Milan H., assignor.)
Donaldson, William H. L., St. Paul, Minn. Air-cleaner. No. 1,286,250; Dec. 3; v. 257; p. 16.
Donathan, Luther, Sulphur, Okla. Locking means. No. 1,280,183; Oct. 1; v. 255; p. 18.
Donati, Joseph. (See Sassil, Eugene H., assignor.)
Donegan, Daniel H., Chicago, Ill. Ribbon-inking device. No. 1,281,534; Oct. 15; v. 255; p. 449.
Donelan, Dermot, London, England. Remembrancer. No. 1,262,466; Apr. 9; v. 249; p. 444.
Donges, Christian, New York, N. Y. Gas-heated soldering-iron. No. 1,283,697; Nov. 5; v. 256; p. 68.
Donley Brothers Company, The. (See Donley, Ford, assignor.)
Donley, Ford, assignor to The Donley Brothers Company, Cleveland, Ohio. Concrete-insert. No. 1,265,064; May 7; v. 250; p. 54.
Donley, Joseph J. (See Ayres and Donley.)
Donnally, Alfred H., Fairmont, W. Va. Spring-wheel. No. 1,260,880; Mar. 26; v. 248; p. 948.
Donnell, Albert J., New York, N. Y., assignor of one-half to F. L. Kraus, Providence, R. I. Sea-cock. No. 1,278,882; Sept. 17; v. 254; p. 474.
Donnell, Samuel F., Seattle, Wash. Convertible bed and table attachment for automobiles. No. 1,282,391; Oct. 22; v. 255; p. 720.
Donnell Tank Protector Company. (See Clifford, Victor, assignor.)
Donnellan, James F. (See Hawkins and Donnellan.)
Donnellan, James S., Salt Lake City, Utah. Attaching means for artificial sets of teeth. No. 1,263,313; Apr. 16; v. 249; p. 712.
Donnelley, William J., San Francisco, Cal. Stopper. No. 1,257,328; Feb. 26; v. 247; p. 760.
Donnelly, Edward F., Malden, assignor of one-third to E. G. Kelley and one-third to R. F. Kelley, Peabody, Mass. Roof-flange. No. 1,278,120; Sept. 10; v. 254; p. 240.
Donnelly, James H., assignor to The Cleveland Burial Case Company, Cleveland, Ohio. Casket-support. No. 1,284,261; Nov. 12; v. 256; p. 244.
Donnelly, John, Branford, Conn. Hacksaw-frame. No. 1,258,202; Mar. 5; v. 248; p. 73.
Donnelly, John, Branford, Conn. Hacksaw-frame. No. 1,277,879; Sept. 3; v. 254; p. 152.
Donnelly, John F. (See Jones, Fred E., assignor.)
Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for packing match-books, &c. No. 1,280,685; Oct. 8; v. 255; p. 184.
Donnelly, Joseph J., assignor to National Tube Company, Pittsburgh, Pa. Pipe-turning mechanism. No. 1,258,662; Mar. 12; v. 248; p. 247.
Donnelly, William T., Brooklyn, N. Y. Securing wooden parts. No. 1,273,588; July 23; v. 252; p. 875.
Donnelly, William T., Brooklyn, N. Y. Securing wooden parts. No. 1,273,771; July 23; v. 252; p. 923.
Donner, Percy E. (See Snyder, Jacob R., assignor.)
Donning Carbureter Corporation. (See Donning, George W., assignor.)
Donning, George W., Stamford, Conn., assignor to Donning Carbureter Corporation, Esopus, N. Y. Carbureter. No. 1,258,881; Mar. 12; v. 248; p. 310.
Donning, George W. Stamford, Conn., assignor to Donning Carbureter Corporation, Esopus, N. Y. Carbureter. No. 1,269,689; June 18; v. 251; p. 502.
Donohue, Henry T., Chicago, Ill. Adjustable feed for boring devices. No. 1,265,630; May 7; v. 250; p. 205.

Donovan, John B., North Adams, assignor of one-half to J. K. Lanning, Fall River, Mass. Bunch-builder for winding mechanism. No. 1,255,085; Jan. 29; v. 246; p. 1167.
Donovan, John J., Boston, Mass. Separator-trap. No. 1,252,099; Jan. 1; v. 246; p. 193.
Donovan, John J., Boston, Mass. Drinking-fountain. No. 1,283,110; Oct. 29; v. 255; p. 945.
Donovan, Joseph D. (See Rodenberger, Weller, assignor.)
Donovan, Patrick H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-cylinder-pressure regulator. No. 1,256,529; Feb. 19; v. 247; p. 491.
Doody, Harry E., Brooklyn, N. Y. Extension-grip for cars. No. 1,257,820; Feb. 26; v. 247; p. 904.
Doolan, Charles P., Gebo, Wyo. Rail-joint. No. 1,261,909; Apr. 9; v. 249; p. 290.
Dooley, Frank P., Chicago, Ill. Wire mattress. No. 1,268,939; June 11; v. 251; p. 264.
Dooley, James H., East Orange, assignor to De Camp and Sloan, Inc., Newark, N. J. Speed regulator and indicator for phonographs. No. 1,265,757; May 14; v. 250; p. 272.
Dooley, James H., East Orange, assignor to De Camp and Sloan, Inc., Newark, N. J. Speed-regulator calibration means for phonographs. No. 1,283,696; Nov. 5; v. 256; p. 68.
Dooley, James P., assignor to Wright Wire Company, Worcester, Mass. Continuous wire-drawing machinery. No. 1,286,563; Dec. 3; v. 257; p. 93.
Doolin, Charles B., San Antonio, Tex. Liquid measure and strainer. No. 1,261,495; Apr. 2; v. 249; p. 142.
Doolittle, Fred, San Bernardino, Cal. Adjustable brush. No. 1,260,258; Mar. 19; v. 248; p. 734.
Doolittle, Howard C., assignor to The Stanley Works, New Britain, Conn. Wrapping-machine. No. 1,276,193; Aug. 20; v. 253; p. 575.
Doolittle, Walter S., Sioux Falls, S. D. Photo-case. No. 1,279,091; Sept. 17; v. 254; p. 531.
Doonaevski, George, Hinsdale, Mass. Instrument of precision. No. 1,282,392; Oct. 22; v. 255; p. 720.
Doraite, Ona, Chicago, Ill. Seat-strap. No. 1,252,252; Jan. 1; v. 246; p. 234.
Doran, Charles A., assignor to Bauer & Black, Chicago, Ill. Weft-straightening apparatus. No. 1,272,924; July 16; v. 252; p. 671.
Doran, George F., Omaha, Nebr. Curing meats. No. 1,259,376; Mar. 12; v. 248; p. 451.
Doran, George F., Omaha, Nebr. Pickling liquor and making the same. No. 1,259,377; Mar. 12; v. 248; p. 451.
Doran, James A., Providence, R. I. Military ornament. No. 1,275,139; Aug. 6; v. 253; p. 225.
Doran, James A., Providence, R. I. Separable fastener. No. 1,283,111; Oct. 29; v. 255; p. 945.
Doran, James A., Providence, R. I. Percussion-plunger. No. 1,287,916; Dec. 17; v. 257; p. 494.
Doran, John H., Schenectady, N. Y., assignor to General Electric Company. Gearing. No. 1,267,855; May 28; v. 250; p. 915.
Dorau, John P., Jefferson, Wis. Driving mechanism for washing-machines. No. 1,273,336; July 23; v. 252; p. 806.
Dorau, John P., North Fond du Lac, Wis. Driving mechanism for washing-machines. No. 1,273,337; July 23; v. 252; p. 807.
Dorchester, Watson E. (See McCulloch, Frederick L., assignor.)
Doremire, Jacob E., Leesburg, Ind. Cornstalk cutter and loader. No. 1,280,686; Oct. 8; v. 255; p. 185.
Doremus, Effie F., administratrix. (See Doremus, Willard D.)
Doremus, Willard D., deceased; E. F. Doremus, administratrix, Washington, D. C. Dispensing device. No. 1,253,218; Jan. 15; v. 246; p. 578.
Dorey, George B., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. No. 1,251,647; Jan. 1; v. 246; p. 62.
Dorey, George B., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. No. 1,275,540; Aug. 13; v. 253; p. 360.
Dorey, William A., Newark, Ohio, assignor to Holophane Glass Company, Inc., New York, N. Y. Illuminating appliance. No. 1,259,493; Mar. 19; v. 248; p. 516.
Dorey, William A., and H. L. Jenkins, Newark, Ohio, assignors to Holophane Glass Company, Inc., New York, N. Y. Lantern-plate. No. 1,259,492; Mar. 19; v. 248; p. 515.
Dorf, Francis E., Stockton, Cal. Oil-cupola. No. 1,257,196; Feb. 19; v. 247; p. 686.
Dorfman, Nathan, Chicago, Ill. Body-protecting shield. No. 1,277,706; Sept. 3; v. 254; p. 104.
Dorgan, William T., Grand Rapids, and W. J. Lambe, Detroit, Mich. Forming threaded nuts. No. 1,261,014; Apr. 2; v. 249; p. 7.
Doring, Max B. A., Brooklyn, N. Y., assignor of one-eighth to H. M. Marble, Newark, N. J., and one-eighth to L. J. Matty, New York, N. Y. Wire-netting machine. No. 1,259,378; Mar. 12; v. 248; p. 451.
Dorion, Michael, Rumford, Me. Yeast-cake cabinet. No. 1,252,327; Jan. 1; v. 246; p. 255.
Dorland, Clifton L., Stratford, Ontario, Canada. Rotary tooth-brush. No. 1,279,996; Sept. 24; v. 254; p. 806.
Dorman, Harley A., Detroit, Mich. Differential mechanism. No. 1,254,782; Jan. 29; v. 246; p. 1081.
Dorman, Jack E., Township, Iowa. Self-adjusting bearing. No. 1,256,530; Feb. 19; v. 247; p. 491.
Dormann, Fred, Longmont, Colo. Frictional gearing. No. 1,262,467; Apr. 9; v. 249; p. 445.
Dorment, Frank C., Detroit, Mich. Pocket-volatilizer. No. 1,264,621; Apr. 30; v. 249; p. 1128.
Dorment, Frank C., Detroit, Mich., assignor to The Rogers Electric Laboratories Company, Cleveland, Ohio. Volatilizer. No. 1,271,866; July 9; v. 252; p. 343.
Dormer, George H., Eveleth, Minn. Detonating blasting-fuse. No. 1,275,001; Aug. 6; v. 253; p. 187.
Dorn, Henry C., Milwaukee, Wis. Sash-lock. No. 1,289,413; Dec. 31; v. 257; p. 912.
Dorn, Milton, Telford, Pa. Jar-closure. No. 1,261,782; Apr. 9; v. 249; p. 257.
Dorn, William M., Miami, Fla. Swinging crib for infants. No. 1,260,161; Mar. 19; v. 248; p. 706.
Dorney, Oliver C., Allentown, Pa. Temple-fastener. No. 1,284,071; Nov. 5; v. 256; p. 167.
Dornfeld, John F., Chicago, Ill. Steam-generating apparatus. No. 1,256,779; Feb. 19; v. 247; p. 563.
Dornfeld, John F., Chicago, Ill. Boiler. No. 1,282,775; Oct. 29; v. 255; p. 851.
Dorohon, Nathan R., McKeesport, Pa. Vehicle-brake. No. 1,282,054; Oct. 22; v. 255; p. 627.
Dorr Company, The. (See Blomfield, Alfred L., assignor.)
Dorr Company, The. (See Peck, Charles L., assignor.)
Dorr, Philip P., Fort Dodge, Iowa. Mouth film-holder. No. 1,286,251; Dec. 3; v. 257; p. 17.
Dorrance, David W., San Jose, Cal. Artificial-limb joint. No. 1,271,448; July 2; v. 252; p. 193.
Dorris, David W., *et al.* (See Boyer, George F., assignor.)
Dorris, James W., Sullivan, Ind. Spraying-machine. No. 1,287,578; Dec. 10; v. 257; p. 377.
Dorroh, Alfred R., Washington, D. C. Muffler. No. 1,273,159; July 23; v. 252; p. 761.
Dorset, Marion, and R. R. Henley, Washington, D. C. Separating serum from the corpuscles of mammalian blood. No. 1,264,285; Apr. 30; v. 249; p. 1034.
Dorset, Marion, Washington, D. C., and R. R. Henley, Takoma Park, Md. Refining defibrinated-blood antitoxin. No. 1,270,270; June 25; v. 251; p. 685.
Dorset, Marion, Washington, D. C., and R. R. Henley, Takoma Park, Md. Separation of blood-serum. No. 1,270,271; June 25; v. 251; p. 685.
Dorsett, William N., *et al.* (See Smith, James A., assignor.)
Dorsey, Harry O., Atlanta, Ga. Furnace-grate. No. 1,274,147; July 30; v. 252; p. 1067.
Dorsey, Reginald H., Broomes Island, Md. Tobacco-press. No. 1,260,162; Mar. 19; v. 248; p. 706.
Dorsey, Vernon M., trustee. (See Grant and Morse, assignors.)
Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Pipe-coupling and repair-sleeve. No. 1,252,888; Jan. 8; v. 246; p. 450.
Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Car-mover. No. 1,272,398; July 16; v. 252; p. 522.
Dosch, Oliver L., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Machine for preparing record-cards. No. 1,266,230; May 14; v. 250; p. 405.
Dosch, Oliver L., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Foundry system. No. 1,276,039; Aug. 20; v. 253; p. 530.
Dosch, Oliver L., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Continuous foundry process. No. 1,276,040; Aug. 20; v. 253; p. 531.
Dosenbach, Benjamin H., Butte, Mont. Ore concentration. No. 1,257,329; Feb. 26; v. 247; p. 760.
Dosenbach, Benjamin H., Butte, Mont. Concentrating ores. No. 1,268,940; June 11; v. 251; p. 264.
Doser, John, Los Angeles, Cal. Railway-crossing gate. No. 1,277,201; Aug. 27; v. 253; p. 885.
Dossert, John J. (See Skeel and Dossert.)
Dossert, John J. (See Smith and Dossert.)
Dostie, George J., Detroit, Mich. Resilient clutch. No. 1,272,235; July 9; v. 252; p. 449.
Dotson, Christopher C., Huzzah, Mo. Cotton-chopping machine. No. 1,282,776; Oct. 29; v. 255; p. 852.
Dotten, Earl W., De Graff, Minn. Ditching-machine. No. 1,264,906; May 7; v. 250; p. 9.
Dotterer, Benjamin P., Charleston, S. C. Automatic scale. No. 1,274,521; Aug. 6; v. 253; p. 52.
Dottl, Joseph, Detroit, Mich. Spring and frame supporter for motor-vehicles. No. 1,266,231; May 14; v. 250; p. 405.
Dottl, Joseph, assignor to The Dottl Manufacturing Company, Madison, Wis. Spring and frame supporter for motor-vehicles. No. 1,254,662; Jan. 29; v. 246; p. 1042.
Dottl, Joseph, assignor to The Dottl Manufacturing Company, Madison, Wis. Spring and frame supporter. No. 1,287,917; Dec. 17; v. 257; p. 494.
Dottl Manufacturing Company, The. (See Dottl, Joseph, assignor.)
Doty, Clarence J., Cole, S. D. Chalk-holder. No. 1,260,881; Mar. 26; v. 248; p. 948.

Doty, Frank H., Troy, assignor to William Barker Company, Watervliet, N. Y. Soft fold-collar. No. 1,283,698; Nov. 5; v. 256; p. 68.
Doty, Hubert A., Boston, Mass., assignor to The United Limb & Brace Co., Inc. Artificial limb. No. 1,265,308; May 7; v. 250; p. 119.
Doty, James J. (See Brorby, Jacob I., assignor.)
Doty, Lillian F., Chicago, Ill. Union-undergarment. No. 1,255,718; Feb. 5; v. 247; p. 175.
Doty, Marion A., Hartwood, N. Y. Folding invalid-chair. No. 1,289,701; Dec. 31; v. 257; p. 982.
Douaud, Alexandre, Nantes, France. Fuel-heater. No. 1,271,143; July 2; v. 252; p. 109.
Double, Edward. (See Smalley, David H., assignor.)
Double Fabric Tire Company, The. (See Murray, Albert L., assignor.)
Doubleday, Villeroy C., London, England. Device for igniting shell-fuses. No. 1,260,287; Mar. 19; v. 248; p. 742.
Doucette, James, Gem, Idaho. Brake for motor-vehicles. No. 1,256,446; Feb. 12; v. 247; p. 431.
Douchamp, Henry J., assignor to Smethport Glass Company, Smethport, Pa. Take-down for machine-drawn cylinders. No. 1,281,914; Oct. 15; v. 255; p. 551.
Dougan, Kennedy, Minneapolis, Minn. Internal-combustion engine. No. 1,262,758; Apr. 16; v. 249; p. 557.
Dougan, Robert C., Millersburg, Ohio. Cultivator. No. 1,284,617; Nov. 12; v. 256; p. 334.
Dougherty, Arthur H., Russellville, Tenn. Glue-spreading machine. No. 1,261,496; Apr. 2; v. 249; p. 142.
Dougherty, Everett M., assignor to E. J. Weaver and H. M. Uebele, Milwaukee, Wis. Holder for tire-casings, &c. No. 1,264,286; Apr. 30; v. 249; p. 1034.
Dougherty, Frank H. (See Riesberg, Van Vechton, assignor.)
Dougherty, John. (See Alcon, Charles, assignor.)
Dougherty, Terence, Brooklyn, N. Y. Railway-car fender. No. 1,253,014; Jan. 8; v. 246; p. 490.
Dougherty, Terence, Brooklyn, N. Y. Automobile-fender. No. 1,266,430; May 14; v. 250; p. 458.
Doughty, Henry J., Edgewood, R. I., assignor to Doughty Tire Company, Portland, Me. Vulcanizing apparatus. No. 1,260,990; Mar. 26; v. 248; p. 977.
Doughty, Marcus L., and J. W. Ferguson, Chicago, Ill. Time-controlled mechanism. No. 1,251,760; Jan. 1; v. 246; p. 96.
Doughty, Richard. (See Ryan, Patrick J., assignor.)
Doughty Tire Company. (See Doughty, Henry J., assignor.)
Douglas, George B., Seattle, Wash. Bracket. No. 1,276,501; Aug. 20; v. 253; p. 660.
Douglas, Harry A., Bronson, Mich. Lamp. No. 1,256,531; Feb. 19; v. 247; p. 491.
Douglas, Harry A., Bronson, Mich. Reflecting-lamp. No. 1,261,789; Apr. 9; v. 249; p. 259.
Douglas, Harry A., Bronson, Mich. Push-button snap-switch. No. 1,285,072; Nov. 19; v. 256; p. 489.
Douglas, Harry A., Bronson, Mich. Circuit-connector. No. 1,286,961; Dec. 10; v. 257; p. 224.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Circuit-coupling. No. 1,256,665; Feb. 19; v. 247; p. 530.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Forming cylindrical shells and assembling them with cores. No. 1,256,666; Feb. 19; v. 247; p. 531.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Reflecting electric lamp. No. 1,261,783; Apr. 9; v. 249; p. 257.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Reflecting-lamp. No. 1,261,784; Apr. 9; v. 249; p. 257.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Reflecting electric lamp. No. 1,261,785; Apr. 9; v. 249; p. 258.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Reflecting-lamp. No. 1,261,786; Apr. 9; v. 249; p. 258.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Reflecting electric lamp. No. 1,261,787; Apr. 9; v. 249; p. 258.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Reflecting-lamp. No. 1,261,788; Apr 9; v. 249; p. 259.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Circuit-connector switch. No. 1,261,790; Apr. 9; v. 249; p. 259.
Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co. Bronson, Mich. Reflecting-lamp. No. 1,285,071; Nov 19; v. 256; p. 489.
Douglas, Louis M. (See Parsons, Cook, and Douglas.)
Douglas, Louis M. (See Parsons, Walker, Cook, and Douglas.)
Douglas & Rudd Mfg. Co. (See Douglas, Harry A., assignor.)
Douglas, William, Bristol, England. Cycle. No. 1,272,399; July 16; v. 252; p. 522.
Douglas, William B., assignor to W. & B. Douglas, Middletown, Conn. Pump. No. 1,252,889; Jan. 8; v. 246; p. 451.
Douglas, William H., Belleville, N. J., assignors to Healey & Co., New York, N. Y. Automobile-top. No. 1,282,550; Oct. 22; v. 255; p. 763.
Douglass, Ernest, Pomona, Cal. Carton-sealing machine. No. 1,283,479; Nov. 5; v. 256; p. 11.
Douglass, James S., Jr., Canandaigua, N. Y. Steam-injector for internal-combustion engines. No. 1,268,220; June 4; v. 251; p. 43.
Douglass, Leon F., San Rafael, Cal. Camera. No. 1,253,796; Jan. 15; v. 246; p. 746.
Douglass, Napoleon B., Berkeley, Cal. Wall-bed. No. 1,256,667; Feb. 19; v. 247; p. 531.
Douglass, Napoleon B., Berkeley, Cal. Wall-bed. No. 1,259,965; Mar. 19; v. 248; p. 653.
Douglass, Paul E., Flint, Mich. Bench-drill. No. 1,254,485; Jan. 22; v. 246; p. 963.
Douglass, Samuel F., Millerstown, Pa. Road-drag. No. 1,265,181; May 7; v. 250; p. 86.
Douglass, Stephen A., St. Louis, Mo. Swing. No. 1,254,890; Jan. 29; v. 246; p. 1114.
Douglass, Stephen A., St. Louis, Mo. Check-protector. No. 1,285,073; Nov. 19; v. 256; p. 489.
Douglass, Thomas L., Beaver Falls, Pa. Steam-trap. No. 1,256,299; Feb. 12; v. 247; p. 386.
Douglass, William W., Miami, Fla. Refrigerator. No. 1,288,394; Dec. 17; v. 257; p. 610.
Doul, Frank J., Green Bay, Wis. Water-meter installation. No. 1,267,389; May 21; v. 250; p. 783.
Douthitt, Fletcher, Detroit, Mich. Ascertaining the combination of stops for the production of half-tone dot negatives with a process-camera. No. 1,289,129; Dec. 31; v. 257; p. 841.
Douthitt, Frank H., *et al.* (See Olson, Oscar L., assignor.) (Reissue.)
Douty, Clarence D. (See Leonard, Suhrie and Douty.)
Dove, Bascom A. (See Farr and Dove.)
Dovel, James P., Birmingham, Ala. Ore-washing plant. No. 1,252,414; Jan. 8; v. 246; p. 315.
Dover, Devoe, Carbon, Tex. Shoe-dauber. No. 1,267,521; May 28; v. 250; p. 819.
Dover Stamping and Manufacturing Company. (See Dunning, Warren H., assignor.)
Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)
Dow Chemical Company, The. (See Dow, Herbert H., assignor.)
Dow Chemical Company, The. (See Dow and Griswold, assignors.)
Dow Chemical Company, The. (See Putnam, Mark E., assignor.)
Dow Chemical Company, The. (See Strosacker, Charles J., assignor.)
Dow, Floyd, and L. D. Edminster, Wyanet, Ill. Stovepipe-joint. No. 1,281,307; Oct. 15; v. 255; p. 386.
Dow, George B. N., and J. F. Cavanaugh, Manchester, N. H. Chain-holder for tires. No. 1,285,645; Nov. 26; v. 256; p. 673.
Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Making carbolic acid. No. 1,274,394; Aug. 6; v. 253; p. 14.
Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Process of and apparatus for electrolytic production of caustic alkali. No. 1,284,618; Nov. 12; v. 256; p. 335.
Dow, Herbert H., and T. Griswold, Jr., assignors to The Dow Chemical Company, Midland, Mich. Apparatus for absorbing heat. No. 1,275,231; Aug. 13; v. 253; p. 276.
Dow, Isiah, assignor of one-half to E. L. Allen, Burlington, Vt. Garment-supporter. No. 1,280,184; Oct. 1; v. 255; p. 18.
Dow Wire & Iron Works. (See Marcum, Albert L., assignor.)
Dowd, John C., Merchantville, N. J. Self-lubricated spring for vehicles. No. 1,257,197; Feb. 19; v. 247; p. 686.
Dowd, Mark J., Boulder, Colo. Shoe-last. No. 1,281,915; Oct. 15; v. 255; p. 551.
Dowden, Ashford C., Pine Bluff, Ark. Match-scratcher. No. 1,277,557; Sept. 3; v. 254; p. 62.
Dowdy, Roy F., assignor to Safety Gas Lighter Corporation, Roanoke, Va. Electric gas-lighter. No. 1,276,737; Aug. 27; v. 253; p. 762.
Dowell, Allen B., St. Louis, Mo. Concrete lining for shafts. No. 1,275,874; Aug. 13; v. 253; p. 454.
Dowlin, Morris, Henniker, N. H. Clock striking mechanism. No. 1,252,100; Jan. 1; v. 246; p. 194.
Dowman-Dozier Mfg. Co. (See Lyle, Claude P., assignor.)
Down, Sidney G., Berkeley, Cal., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-rigging support. No. 1,281,535; Oct. 15; v. 255; p. 449.
Downe, Albert E., St. Paul, Minn. Game device. No. 1,280,424; Oct. 1; v. 255; p. 86.
Downer, John M., Toronto, Ontario, Canada. Sandpapering and grinding machine. No. 1,259,494; Mar. 19; v. 248; p. 516.
Downes, Louis W., Providence, R. I. Fuse. No. 1,277,880; Sept. 3; v. 254; p. 152.
Downes, Louis W., assignor to D & W Fuse Company, Providence, R. I. Treating metal parts to prevent solder adhering thereto. No. 1,254,663; Jan. 29; v. 246; p. 1042.
Downes, Louis W., and R. C. Patton, assignors to D & W Fuse Company, Providence, R. I. Forming magnetic chucks. No. 1,254,664; Jan. 29; v. 246; p. 1043.

Downes, Louis W., and R. C. Patton, assignors to D & W Fuse Company, Providence, R. I. Fuse. No. 1,270,272; June 25; v. 251; p. 686.
Downes, Louis W., and W. S. Mayer, assignors to D. & W. Fuse Company, Providence, R. I. Relay-switch. No. 1,273,045; July 16; v. 252; p. 704.
Downey, Richard F., Milwaukee, and W. Murdoch, West Allis, Wis. Truck-loader. No. 1,269,527; June 11; v. 251; p. 425.
Downey, William H. J., Wilmington, Del. Aerial toy. No. 1,262,313; Apr. 9; v. 249; p. 401.
Downey, William H. J., Wilmington, Del. Put-ball game apparatus. No. 1,262,314; Apr. 9; v. 249; p. 401.
Downey, William M., Lawton, W. Va. Combination tobacco-box. No. 1,278,883; Sept. 17; v. 254; p. 475.
Downham, Thomas S., Toronto, Ontario, Canada. Automatic-release coupling. No. 1,270,605; June 25; v. 251; p. 779.
Downie, John, Seattle, Wash. Ironing-board. No. 1,255,991; Feb. 12; v. 247; p. 295.
Downie, John, Seattle, Wash. Clothes-rack. No. 1,269,163; Mar. 19; v. 248; p. 707.
Downie, John, Seattle, Wash Table. No. 1,266,232; May 14; v. 250; p. 406.
Downing, Agnes T. (See Baylay, Frank, assignor.)
Downing, H. K., *et al.* (See Coats, Edward O., assignor.)
Downing, Ira S., Indianapolis, Ind., assignor to W. P. Murphy, Chicago, Ill. Sheet-metal end structure for railway-cars. No. 1,263,386; Apr. 23; v. 249; p. 753.
Downing, Ira S., Cleveland, Ohio, assignor to W. P. Murphy, Chicago, Ill. Sheet-metal car end. No. 1,265,065; May 7; v. 250; p. 54.
Downing, John H., Minneapolis, Minn., assignor to State of Minnesota. Attachment for corn-harvesters. No. 1,259,495; Mar. 19; v. 248; p. 517.
Downing, John H., Minneapolis, Minn., assignor to the State of Minnesota. Needle-adjusting means. No. 1,273,589; July 23; v. 252; p. 875.
Downing, John H., Minneapolis, Minn., assignor to the State of Minnesota. Binder-truck. No. 1,281,308; Oct. 15; v. 255; p. 386.
Downing, Philip B., Everett, Mass. Desk appliance. No. 1,269,584; June 18; v. 251; p. 473.
Downing Pneumatic Wheel Company. (See Kettler, Martin F., assignor.)
Downing, Richard C., Syracuse, and L. C. Nicholson, Buffalo, N. Y., assignors to Niagara Electric Improvement Corporation. Current-transformer. No. 1,278,121; Sept. 10; v. 254; p. 240.
Downing, W. L., *et al.* (See Coats, Edward O., assignor.)
Downing, William F., Jr., St. Clair, and C. L. Weil, Port Huron, assignors to Diamond Crystal Salt Company, St. Clair, Mich. Continuous centrifugal drier. No. 1,259,727; Mar. 19; v. 248; p. 581.
Downing, William S., Houghton, Mich. Wrapping-tool. No. 1,266,002; May 14; v. 250; p. 341.
Downs, Charles R., Cliffside, N. J., assignor to The Barrett Company. Sulfonation of hydrocarbons and hydrocarbon derivatives. No. 1,279,295; Sept. 17; v. 254; p. 585.
Downs, Charles R., Cliffside, N. J., assignor to The Barrett Company. Sulfonation of hydrocarbons and hydrocarbon derivatives. No. 1,279,296; Sept. 17; v. 254; p. 585.
Downs, Garrett B., Mauch Chunk, Pa. Automatic controller. No. 1,278,610; Sept. 10; v. 254; p. 371.
Downward, William C., Wilmington, Del. Turbine-engine. No. 1,283,699; Nov. 5; v. 256; p. 69.
Dowrey, Samuel, jr., Middletown, Ohio. Stopper-rod. No. 1,280,973; Oct. 8; v. 255; p. 262.
Dowson, Hector, Columbus Junction, Iowa. Sign. No. 1,260,882; Mar. 26; v. 248; p. 948.
Dowthard, George W., Lumberport, W. Va. Armor for ships. No. 1,264,380; Apr. 30; v. 249; p. 1060.
Doyle, Clarence V., New York, N. Y. Lock. No. 1,281,536; Oct. 15; v. 255; p. 450.
Doyle, James E., *et al.* (See Case, Francis M., assignor.)
Doyle, James S. (See Hedley and Doyle.)
Doyle, James S., Mount Vernon, and F. Hedley, Yonkers, N. Y., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined car, train-pipe, and electric coupling. No. 1,282,777; Oct. 29; v. 255; p. 852.
Doyle, John, Hoboken, N. J. Rug-holder. No. 1,275,875; Aug. 13; v. 253; p. 454.
Doyle, John P., Wellesley, Mass. Automatic gas shut-off. No. 1,270,930; July 2; v. 252; p. 51.
Dr-ing. Schneider & Co., Elektrizitats-Ges. m. b. H.) (See Beckmann, Josef, assignor.)
Drach, George B., assignor to Jersey City Printing Company, Jersey City, N. J. Machine for drilling books. No. 1,255,114; Jan. 29; v. 247; p. 1174.
Drach, George B., assignor to Jersey City Printing Company, Jersey City, N. J. Drilling books. No. 1,273,468; July 23; v. 252; p. 843.
Draeb, Will E. (See Boncher and Draeb.)
Draeger, Walter, New York, N. Y. Igniting device. No. 1,254,486; Jan. 22; v. 246; p. 964.
Drag, Mikolaj, McKees Rocks, Pa. Soldier's helmet. No. 1,256,532; Feb. 19; v. 247; p. 492.
Drage, Harmon. (See Boyer, Jesse, assignor.)
Drägerwerk Heinr. & Bernh. Dräger. (See Claren and Stelzner, assignors.)
Dragner, James J., New York, N. Y. Self-propelled vehicle. No. 1,286,252; Dec. 3; v. 257; p. 17.
Dragon, Jesse, and C. Anderson, Enaville, Idaho. Saw tooth. No. 1,252,672; Jan. 8; v. 246; p. 390
Drais, Robert A., Halleck, Cal. Device for cooling engines. No. 1,275,876; Aug. 13; v. 253; p. 455.
Drake, Charles B., Norfolk, Va. Vulcanizer. No 1,255,588; Feb. 5; v. 247; p. 138.
Drake, Charles E., Plainfield, assignor to C. L. Molleson New Market, N. J. Fire-escape. No. 1,282,201; Oct 22; v. 255; p. 668.
Drake, Chester T., and J. L. Needham, Chicago, Ill Wrapping-machine. No. 1,285,646; Nov. 26; v. 256; p. 673.
Drake, George F., Oakland, Cal. Nut-lock. No. 1,271,449 July 2; v. 252; p. 193.
Drake, George H., Romney, W. Va. Computing device No. 1,278,315; Sept. 10; v. 254; p. 293.
Drake, George W. (See Zerk and Drake.)
Drake, Harry J. (See Coons, James H., assignor.)
Drake, Harry J., Bushnell, Ill. Trough. No. 1,287,579; Dec. 10; v. 257; p. 378.
Drake, Ira C., Rochester, Wash. Undercutter-guide. No 1,269,408; June 11; v. 251; p. 394.
Drake, Ira C., Rochester, Wash. Undercutter guide for crosscut-saws. No. 1,277,050; Aug. 27; v. 253; p. 843.
Drake, James C., Rochester, Minn., assignor to Sears, Roebuck & Company, Chicago, Ill. Modulator for sound-producing machines. No. 1,254,665; Jan. 29; v. 246; p. 1043.
Drake, Lewis R. (See Smith, Walter S., assignor.)
Drake, Oscar E., Havre, Mont. Wash-board. No. 1,279,092; Sept. 17; v. 254; p. 531.
Drake, Walter H., San Francisco, Cal. Apparatus for producing articles from pulp. No. 1,274,148; July 30; v. 252; p. 1067.
Drake, Whittlesey A. (See Rodman and Drake.)
Drake, William E., Detroit, Mich. Mailing-box. No. 1,278 884; Sept. 17; v. 254; p. 475.
Dralle, Rudolph E., St. Louis, Mo. Cover for display-lasts for shoes and the like. No. 1,272,400; July 16; v. 252; p. 523.
Drane, Merritt, Louisville, Ky. Direction-signal device for vehicles. No. 1,262,027; Apr. 9; v. 249; p. 322.
Drane, Merritt, Louisville, Ky. Circuit-controller. No. 1,275,541; Aug. 13; v. 253; p. 360.
Drane, Merritt, Lyndon, Ky. Signal device for vehicles. No. 1,279,093; Sept. 17; v. 254; p. 531.
Drange, Carl E. (See Scott and Drange.)
Drange, Carl E., assignor to I. Scott and D. J. Scott, executors, Plainfield, N. J. Plate-printing machine. No. 1,275,877; Aug. 13; v. 253; p. 455.
Drange, Carl E., Plainfield, N. J., assignor to I. Scott and D. J. Scott, executors. Means for attaching printing-plates to cylinders. No. 1,276,336; Aug. 20; v. 253; p. 613.
Drapalik, Charles, Omaha, Nebr. Drain-board bracket. No. 1,262,468; Apr. 9; v. 249; p. 445.
Drapeau, Emile, Montreal, Quebec, Canada. Fire-extinguisher. No. 1,274,017; July 30; v. 252; p. 1029.
Draper, Charles E., Larrabee, Iowa. Oil-can. No. 1,285,074; Nov. 19; v. 256; p. 490.
Draper, Clare H., and J. Northrop, Hopedale, assignors to Hopedale Manufacturing Company, Milford, Mass. Thread-parting device. No. 1,279,298; Sept. 17; v. 254; p. 586.
Draper Corporation. (See Artz, Frederick T., assignor.)
Draper Corporation. (See Baker, William H., assignor.)
Draper Corporation. (See Ballou, Eugene H., assignor.)
Draper Corporation. (See Beaverstock, Elisha F., assignor.)
Draper Corporation. (See Boisvert, Philippe, assignor.)
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Burns, Harry O., assignor.)
Draper Corporation. (See Carter, Thomas, assignor.)
Draper Corporation. (See Chase, William H., assignor.)
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Fairchild, Thomas H., assignor.)
Draper Corporation. (See Hedler, Henry J., assignor.)
Draper Corporation. (See Mills, John, assignor.)
Draper Corporation. (See Nutting, Charles E., assignor.)
Draper Corporation. (See Osgood and Rhoades, assignors.)
Draper Corporation. (See Owen, Henry A., assignor.)
Draper Corporation. (See Owen, Herbert W., assignor.)
Draper Corporation. (See Prosser, Isaac T., assignor.)
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Draper Corporation. (See Saulnier, Arsène, assignor.)
Draper Corporation. (See Smith, John, assignor.)
Draper Corporation. (See Stafford, Alfred E., assignor.)
Draper Corporation. (See Stimpson, Edward S., assignor.)
Draper Corporation. (See Towers, Jesse, assignor.)
Draper Corporation. (See Warren, Charles H., assignor.)
Draper Corporation. (See Wood, Fred, assignor.)
Draper, Warren, Blasdell, N. Y., assignor to General Electric Company. Headlight-dimmer. No. 1,281,916; Oct. 15; v. 255; p. 551.
Draper, William, Waverly township, Cheboygan county, Mich. Dart. No. 1,289,702; Dec. 31; v. 257; p. 983.

Alphabetical list of patentees—Continued.

Draver, Emil R., Richmond, Ind. Tire-cover. No. 1,286,253; Dec. 3; v. 257; p. 17.
Drawe, Rudolf, assignor to Ehrhardt & Sehmer, Gesellschaft mit beschränkter Haftung, Saarbrücken, Germany. Production of nitric oxids in internal-combustion engines. No. 1,283,112; Oct. 29; v. 255; p. 945.
Draws, George A. L., Milwaukee, Wis. Ventilator. No. 1,254,216; Jan. 22; v. 246; p. 886.
Dray, Benjamin, Glasgow, Scotland. Vegetable-cutter. No. 1,260,164; Mar. 19; v. 248; p. 707.
Dray, Walter R., Mason City, Ill. Differential gear. No. 1,262,759; Apr. 16; v. 249; p. 558.
Drazick, George, Escanaba, Mich. Operating mechanism for stump-pullers. No. 1,260,883; Mar. 26; v. 248; p. 948.
Drbul, Steven, Chicago, Ill. Suspenders. No. 1,259,085; Mar. 12; v. 248; p. 369.
Dreckschmidt, Edward W., St. Louis, Mo. Chemical fire apparatus. No. 1,259,610; Mar. 19; v. 248; p. 548.
Dreffein, Henry A., Chicago, Ill. Gas-washer. No. 1,268,100; June 4; v. 251; p. 9.
Dreier, Charles A. (See Christensen, Howard H., assignor.)
Dreilick, Axel C. G., Gottenborg, Sweden, assignor to E. J. Ohnell, trustee. Fly-trap. No. 1,277,298; Aug. 27; v. 253; p. 908.
Dreiling, Charles E., Henderson, Ky. Grapple. No. 1,268,822; June 11; v. 251; p. 232.
Dreisoerner, Henry, St. Louis, Mo. Prie-dieu. No. 1,265,703; May 7; v. 250; p. 225.
Dremel, Albert J., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Soil-milling machine. No. 1,258,882; Mar. 12; v. 248; p. 311.
Dresher, Andrew, Wapakoneta, Ohio. Automobile-wheel attachment. No. 1,264,028; Apr. 23; v. 249; p. 929.
Dressel Railway Lamp Works, The. (See Black, Robert, assignor.)
Dressel, Warren E., Edwardsville, Ill. Automatic selective gear-shifting mechanism. No. 1,282,778; Oct. 29; v. 255; p. 852.
Dressel, Warren E., assignor to The Ideal Collapsible Rim Company, Edwardsville, Ill. Collapsible rim for pneumatic tires. No. 1,264,622; Apr. 30; v. 249; p. 1129.
Dressler, Conrad, Marlow, England. Tunnel-oven. No. 1,285,647; Nov. 26; v. 256; p. 673.
Drew, Arthur, Perry, Okla. Combination-lock for steering-columns. No. 1,261,791; Apr. 9; v. 249; p. 259.
Drew, Arthur, deceased; S. Nield, Wythall, near Alvechurch, and E. A. Osborne, executors, assignors of one-half to W. H. Osborne and one-half to E. A. Osborne, Wythall, near Alvechurch, England. Spring-fork for cycles, motor-cycles, and the like. No. 1,251,992; Jan. 1; v. 246; p. 162.
Drew, Arthur J., Philadelphia, Pa. Decorticating-machine. No. 1,273,750; July 23; v. 252; p. 917.
Drew Carrier Company. (See Kaiser and Peters, assignors.)
Drew, George W., Oakland, Cal. Feeder for fruit-slicing machines. No. 1,266,668; May 21; v. 250; p. 556.
Drew, Herbert H., Waterloo, Wis. Stanchion. No. 1,264,907; May 7; v. 250; p. 9.
Drew, James C., New Orleans, La. Lifting attachment for automobiles. No. 1,268,101; June 4; v. 251; p. 9.
Drew, William F., Oakland, assignor to J. W. Souther, San Francisco, Cal. Vehicle loading and suspending device. No. 1,261,497; Apr. 2; v. 249; p. 142.
Drew, William F., assignor to G. C. Jensen, Oakland, Cal. Locking apparatus. No. 1,262,185; Apr. 9; v. 249; p. 367.
Drewes, Johannes, Gideon, near Gröningen, Netherlands. Machine for bending or pressing plates. No. 1,261,792; Apr. 9; v. 249; p. 260.
Drews, Max A., Milwaukee, Wis. Bowling-alley. No. 1,286,254; Dec. 3; v. 257; p. 18.
Drewsen, Viggo, Brooklyn, assignor to West Virginia Pulp & Paper Company, New York, N. Y. Refining wood-pulp for nitrating or similar purposes. No. 1,283,113; Oct. 29; v. 255; p. 946.
Drewsen, Viggo, Brooklyn, assignor to West Virginia Pulp & Paper Company, New York, N. Y. Refining sulfite wood-pulp for nitrating or similar purposes. No. 1,283,114; Oct. 29; v. 255; p. 946.
Drexelius, Henry C., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic musical instrument. No. 1,282,393; Oct. 22; v. 255; p. 721.
Drexler, John, Toledo, Ohio. Field-bed. No. 1,257,984; Mar. 5; v. 248; p. 10.
Drey Automatic Glass Machine Company. (See Schram, Alexander L., assignor.)
Dreyer, August A. F., *et al.* (See Thullen, Christopher F., assignor.)
Dreyfus, Henry, Basle, Switzerland. Making cellulose acetates. No. 1,278,885; Sept. 17; v. 254; p. 475.
Dreyfus, Henry, Basel, Switzerland. Cellulose acetate and making same. No. 1,280,974; Oct. 8; v. 255; p. 262.
Dreyfus, Henry, Basel, Switzerland. Making cellulose acetate insoluble in chloroform and in chloroform-alcohol. No. 1,280,975; Oct. 8; v. 255; p. 263.
Dreyfus, Henry, Basel, Switzerland. Making acetic anhydrid. No. 1,283,115; Oct. 29; v. 255; p. 946.
Dreyfus, Henry, Basel, Switzerland. Transforming cellulose acetates. No. 1,286,172; Nov. 26; v. 256; p. 803.
Dreyfus, Henry, Basel, Switzerland. Manufacture of acetic acid. No. 1,286,255; Dec. 3; v. 257; p. 18.
Dreyfus, Henry, Basel, Switzerland. Manufacture of acetic acid from acetic aldehyde. No. 1,286,256; Dec. 3; v. 257; p. 18.
Dries, Gottfried, Newark, N. J. Signal device for vehicles. No. 1,257,330; Feb. 26; v. 247; p. 760.
Driesbach, Frank K. (See Lanier and Driesbach.) (Reissue.)
Driscoll, Dennis L., assignor of one-half to Bunting Iron Works, Coalinga, Cal. Combination overshot rotary milling-cutter. No. 1,253,015; Jan. 8; v. 246; p. 490.
Driscoll, Robert. (See Cahill, Thomas J., assignor.)
Driscoll, Robert F., Danbury, Iowa. Corn-planter and attachment therefor. No. 1,258,754; Mar. 12; v. 248; p. 272.
Driver, Charles H., assignor to J. M. Jones, Racine, Wis. Blade-attaching device for metallic cutting-machines. No. 1,280,148; Oct. 8; v. 255; p. 311.
Driver, Charles H., assignor to J. M. Jones, Racine, Wis. Clamp-clutch device. No. 1,281,149; Oct. 8; v. 255; p. 311.
Driver, Charles H., assignor to J. M. Jones, Racine, Wis. Metal-cutting machine. No. 1,282,394; Oct. 22; v. 255; p. 721.
Driver-Harris Company. (See Henderson, John C., assignor.)
Driver, Le Roy E., Dumont, Tex. Plow-cleaning attachment. No. 1,268,823; June 11; v. 251; p. 232.
Driver, Wilbur B., East Orange, N. J. Alloy for resistance elements, &c. No. 1,274,250; July 30; v. 252; p. 1096.
Driver, Wilbur B., East Orange, N. J. Spark-plug electrode and alloy therefor. No. 1,274,395; Aug. 6; v. 253; p. 14.
Drocar, Paul, Tarrs, Pa. Floating raft. No. 1,265,631; May 7; v. 250; p. 205.
Drohan, Thomas E., Schenectady, N. Y., assignor to General Electric Company. Clamp. No. 1,279,297; Sept. 17; v. 254; p. 586.
Drohomirezki, Anton, Detroit, Mich. Ship-protector. No. 1,263,538; Apr. 23; v. 249; p. 796.
Droitcour, Michael A., Delphos, Ohio. Gripper-motion. No. 1,275,002; Aug. 6; v. 253; p. 187.
Dromgoole, William A., Edwards, Miss. Wagon. No. 1,282,551; Oct. 22; v. 255; p. 763.
Dronsfield, James, Oldham, England. Machine for stripping the waste yarn left on condenser-bobbins. No. 1,274,522; Aug. 6; v. 253; p. 52.
Drost, Henry, *et al.* (See Kaylor, William, assignor.)
Droulard, Edward, River Rouge, Mich. Leather-dressing. No. 1,278,886; Sept. 17; v. 254; p. 476.
Drouve, Gerhard F. (See Anderson, Nils H., assignor.)
Drozd, Demeter W., Muskegon Heights, Mich. Letter-sheet and envelop. No. 1,289,414; Dec. 31; v. 257; p. 913.
Drucklieb, Paul A., assignor to New York Cigarette Machine Company, New York, N. Y. Cigarette-finishing machine. No. 1,253,580; Jan. 15; v. 246; p. 685.
Druessel, Edward, Troy, Ill. Adjustable running-gear frame. No. 1,284,262; Nov. 12; v. 256; p. 245.
Drufva, John T., Longmeadow, Mass., assignor to Henry Hyman & Co., Inc., New York, N. Y. Portable electric light. No. 1,272,781; July 16; v. 252; p. 629.
Drufva, John T., Longmeadow, Mass., assignor to Henry Hyman & Co., Inc., New York, N. Y. Portable electric light. No. 1,287,262; Dec. 10; v. 257; p. 301.
Drufva, John T., Longmeadow, Mass., assignor to Henry Hyman & Co., Inc., New York, N. Y. Portable electric light. No. 1,287,918; Dec. 17; v. 257; p. 495.
Drufva, John T., Longmeadow, Mass., assignor to Henry Hyman & Co., Inc., New York, N. Y. Portable electric light. No. 1,287,919; Dec. 17; v. 257; p. 495.
Drum, Charles E., Detroit, Mich., assignor to Springfield Body Corporation of New York, New York, N. Y. Conveyer-truck. No. 1,270,502; June 25; v. 251; p. 751.
Drum, Philip. (See Papy and Drum.)
Drumm, George L. (See Drumm, John B., assignor.)
Drumm, John B., Winslow, Ariz., assignor of forty-nine one-hundredths to G. L. Drumm, Barstow, Cal. Electric-light-extension device. No. 1,268,102; June 4; v. 251; p. 10.
Drummond, Carlton A., Los Angeles, Cal. Fluid-clutch. No. 1,271,502; July 2; v. 252; p. 209.
Drummond, Robert S., assignor to Detroit Steel Products Company, Detroit, Mich. Automatic locking device for fire-windows. No. 1,288,532; Dec. 24; v. 257; p. 672.
Drummond, Ulysses G., Kersey, Colo. Bottle-brush. No. 1,254,217; Jan. 22; v. 246; p. 886.
Drummond, William, Manteno, Ill., assignor to The "New-Way" Motor Company, Lansing, Mich. Adjusting device for harvesting-machines and the like. No. 1,268,698; June 4; v. 251; p. 177.
Drury, John E., and R. C. Folsom, Boston, Mass., assignors to The American Sugar Refining Company. Method and apparatus for treating sugar. No. 1,270,796; July 2; v. 252; p. 11.
Drury, John J., Troy, Ohio. Oil-can. No. 1,264,908; May 7; v. 250; p. 10.
Drury, William, London, England. Tire for vehicle-wheels. No. 1,262,186; Apr. 9; v. 249; p. 367.

Drushella, Paul. (See Smith and Drushella.)
Druskin, Louis, Newport News, Va. Condiment-shaker. No. 1,282,679; Oct. 22; v. 255; p. 798.
Drysdale, Alexander C., Bismarck, N. D. Opening means. No. 1,256,883; Feb. 19; v. 247; p. 595.
Du Bois, Rhesa G. (See Peets, Shonnard and Du Bois.)
Du Bois, Thomas R. (See Turbayne and Du Bois.)
Du Bois, Thomas R., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Engine-starter and generator. No. 1,288,847; Dec. 24; v. 257; p. 747.
Du Brau, Otto M., Baltimore, Md. Scaffold. No. 1,279,299; Sept. 17; v. 254; p. 586.
Du Brau, Otto M., Baltimore, Md. Dust-collecting attachment for radiators. No. 1,279,300; Sept. 17; v. 254; p. 586.
Du Frane, John L. (See Sherry and Du Frane.)
Du Guay, Ernest A., Worcester, Mass. Duplex condiment-shaker. No. 1,264,029; Apr. 23; v. 249; p. 930.
Du Loney, James A., assignor of one-half to C. R. Nelson, Seattle, Wash. Electric-heated clothes-presser. No. 1,272,638; July 16; v. 252; p. 590.
Du Pont, Antoine B., Cleveland, Ohio. Gas cooking stove and range. No. 1,282,056; Oct. 22; v. 255; p. 627.
Du Pont, Francis I., Wilmington, Del. Means for observing the interiors of fire-boxes of automobile steam-generators. No. 1,285,650; Nov. 26; v. 256; p. 674.
Du Pont, Francis I., Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Apparatus for solidification or evaporation No. 1,284,074; Nov. 5; v. 256; p. 168.
Dual Leathers Corporation. (See Moore, Frederick W., assignor.)
Dubey, Alfred E., Brooklyn, assignor to Domestic Mills Paper Company, New York, N. Y. Wrapper for automobile-tires, &c. No. 1,255,086; Jan. 29; v. 246; p. 1167.
Dubick, David L., and N. Nechamkin, Baltimore, Md. Support for shade-rollers. No. 1,282,202; Oct. 22; v. 255; p. 668.
Dubilier, William, New York, N. Y. Wireless apparatus and method therefor. No. 1,279,850; Sept. 24; v. 254; p. 765.
Dubilier, William, New York, N. Y. Protective unit. No. 1,281,309; Oct. 15; v. 255; p. 386.
Dubrowin, Samuel. (See Massa, Anton K., assignor.)
Duchesne, Ernest, Montreal, Quebec, Canada, assignor, by mesne assignments, to Wedgerite Piston Ring Corporation, Detroit, Mich. Piston-packing. No. 1,278,316; Sept. 10; v. 254; p. 293.
Duchow, John, Montreal, Quebec, Canada. Accounting-book. No. 1,283,700; Nov. 5; v. 256; p. 69.
Duchrau, William, Visalia, Cal. Hat attachment. No. 1,254,126; Jan. 22; v. 246; p. 861.
Duck, Daniel F., Chicago, assignor of one-half to S. P. Hutchison, Deerfield, Ill. Sign. No. 1,256,533; Feb. 19; v. 247; p. 492.
Duck, John J., Toledo, Ohio. Bushing for electric wiring. No. 1,251,487; Jan. 1; v. 246; p. 11.
Duckett, Cecil H., and C. J. Fitzpatrick, Washington, D. C. Inner tube. No. 1,267,063; May 21; v. 250; p. 666.
Duckett, Jud L., Wichita Falls, Tex. Holder. No. 1,271,451; July 2; v. 252; p. 194.
Duckett, Ralph E., San Francisco, Cal. Combined fork and spoon. No. 1,271,679; July 9; v. 252; p. 293.
Duckgeischel, Henry J., assignor to S. D. Childs & Company, Chicago, Ill. Radiator name-plate. No. 1,281,537; Oct. 15; v. 255; p. 450.
Duckham, Arthur M., Ashtead, England. Treatment of furnace-bricks. No. 1,252,415; Jan. 8; v. 246; p. 315.
Duckham, Arthur M., Ashstead, England. Manufacture of coke. No. 1,289,045; Dec. 24; v. 257; p. 795.
Ducorron, Charles A. F. (See Laughlin and Ducorron.)
Ducorron, Charles A. F., assignor to Homer Laughlin Engineers Corporation, Los Angeles, Cal. Transmission control. No. 1,268,699; June 4; v. 251; p. 177.
Ducorron, Charles A. F., assignor to Homer Laughlin Engineers Corporation, Los Angeles, Cal. Lubricating system. No. 1,270,606; June 25; v. 251; p. 779.
Duda, Oswald, South Houston, Tex. Centrifugal pump. No. 1,287,920; Dec. 17; v. 257; p. 495.
Dudfield, Alvin, Liberty, Mo. Crayon-trough. No. 1,260,347; Mar. 26; v. 248; p. 794.
Dudley, Andrew T., Houston, Tex. Bale-forming press. No. 1,257,466; Feb. 26; v. 247; p. 799.
Dudley, Andrew T., Houston, Tex. Twister. No. 1,257,467; Feb. 26; v. 247; p. 799.
Dudley, Andrew T., Houston Heights, assignor of one-half to J. H. Mitchell, Houston, Tex. Twisting device. No. 1,257,465; Feb. 26; v. 247; p. 798.
Dudley, Cora E., Philadelphia, Pa. Catamenial sack. No. 1,288,848; Dec. 24; v. 257; p. 747.
Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill Bed-motion. No. 1,284,183; Nov. 5; v. 256; p. 196.
Dudley, Frank C., Brooklyn, N. Y. Automatic sterilizing-instrument case. No. 1,280,687; Oct. 8; v. 255; p. 185.
Dudley, George W., *et al.* (See Smith, William S., assignor.)
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,258,203; Mar. 5; v. 248; p. 73.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,258,542; Mar. 5; v. 248; p. 173.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,258,543; Mar. 5; v. 248; p. 173.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,258,544; Mar. 5; v. 248; p. 173.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,258,545; Mar. 5; v. 248; p. 174.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,258,546; Mar. 5; v. 248; p. 175.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,259,839; Mar. 19; v. 248; p. 615.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,259,840; Mar. 19; v. 248; p. 615.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,261,498; Apr. 2; v. 249; p. 143.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,261,499; Apr. 2; v. 249; p. 143.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,261,500; Apr. 2; v. 249; p. 144.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,261,501; Apr. 2; v. 249; p. 144.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,266,108; May 14; v. 250; p. 371.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,266,109; May 14; v. 250; p. 371.
Dudley, Howard M., Philadelphia, Pa. Fabric-treating device. No. 1,266,110; May 14; v. 250; p. 372.
Dudley, Howard M., Philadelphia, Pa. Skein-dyeing machine. No. 1,268,441; June 4; v. 251; p. 106.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,271,144; July 2; v. 252; p. 110.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,271,549; July 9; v. 252; p. 256.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,271,550; July 9; v. 252; p. 256.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,274,396; Aug. 6; v. 253; p. 15.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,274,523; Aug. 6; v. 253; p. 52.
Dudley, Howard M., Philadelphia, Pa. Fiber-treating machine. No. 1,274,524; Aug. 6; v. 253; p. 53.
Dudley, Howard M., Philadelphia, Pa. Fabric-dyeing machine. No. 1,274,525; Aug. 6; v. 253; p. 54.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,275,878; Aug. 13; v. 253; p. 455.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,280,185; Oct. 1; v. 255; p. 19.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,280,186; Oct. 1; v. 255; p. 19.
Dudley, Howard M., Philadelphia, Pa. Fabric-dyeing machine. No. 1,280,187; Oct. 1; v. 255; p. 20.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,280,188; Oct. 1; v. 255; p. 20.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,280,189; Oct. 1; v. 255; p. 21.
Dudley, Howard M., Philadelphia, Pa. Dyeing-machine. No. 1,280,190; Oct. 1; v. 255; p. 21.
Dudley, James G., Brooklyn, N. Y. Motor-vehicle. No. 1,266,431; May 14; v. 250; p. 458.
Dudley, Sumner A., Taunton, Mass. Shuttle. No. 1,277,882; Sept. 3; v. 254; p. 152.
Dudley, William J., and T. A. Richard, Wilmington, Ohio. Egg-turning tray. No. 1,270,931; July 2; v. 252; p. 51.
Duehr, Bernard J., Big Island, Va. Radiator foot-rest. No. 1,254,995; Jan. 29; v. 246; p. 1142.
Duel, Ralph F., Duluth, Minn. Drawing-board attachment. No. 1,288,849; Dec. 24; v. 257; p. 747.
Duell, Charles H., Jr., New York, N. Y. Holder. No. 1,287,921; Dec. 17; v. 257; p. 495.
Duerson, Lafe, *et al.* (See Metcalfe, Isaiah, assignor.)
Duerson, La Rue, *et al.* (See Metcalfe, Isaiah, assignor.)
Dufek, Louis, Tacoma, Wash. Spring attachment for automobiles. No. 1,283,116; Oct. 29; v. 255; p. 946.
Duff, Edward E., assignor of one-half to F. T. Ingersoll, Seattle, Wash. Closet attachment. No. 1,257,331; Feb. 26; v. 247; p. 760.
Duff, John T., Pittsburgh, Pa. Vehicle-wheel. No. 1,264,623; Apr. 30; v. 249; p. 1129.
Duff Manufacturing Company, The. (See Hindman and Van Hamersveld, assignors.)
Duff Manufacturing Company, The. (See Van Hamersveld, John, assignor.)
Duffies, Alfred S., Markesan, Wis., and F. Mead, Chicago, Ill. Cushioned wheel. No. 1,276,628; Aug. 20; v. 253; p. 695.
Duffin, George S., Millersburg, Ind. Draft-equalizer. No. 1,258,755; Mar. 12; v. 248; p. 272.
Duff, Ralph A., Nebraska City, Nebr. Carbureter. No. 1,285,648; Nov. 26; v. 256; p. 673.
Duffy, Charles G., Brooklyn, N. Y., assignor to The Aeolian Company. Grille and constructing same. No. 1,257,985; Mar. 5; v. 248; p. 10.
Duffy, Charles H., Chevy Chase, Md. Spark-plug. No. 1,260,884; Mar. 26; v. 248; p. 949.
Duffy, Charles H., Chevy Chase, Md. Retaining inserts in spark-plug electrodes and the like. No. 1,284,263; Nov. 12; v. 256; p. 245.

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Duffy, Charles H., Chevy Chase, Md., assignor of two-thirds to W. J. Costello and J. C. McGuire, Washington, D. C. Gasolene-measuring apparatus. No. 1,276,502; Aug. 20; v. 253; p. 660.
Duffy, Clarence E., Prosser, Wash. Automobile power-jack. No. 1,261,910; Apr. 9; v. 249; p. 290.
Duffy, Clarence O., Dallas, Tex. Container for quick tire-patches. No. 1,255,992; Feb. 12; v. 247; p. 296.
Duffy, Dora E., Chicago, Ill. Device for diffusing excessive shoulder-flesh. No. 1,269,690; June 18; v. 251; p. 503.
Duffy, James, Chicago, Ill. Motor-cycle frame. No. 1,278,122; Sept. 10; v. 254; p. 240.
Duffy, James P. B. (See Murphy, Thomas J., assignor.)
Duffy, James U. (See Breyley and Duffy.)
Duffy, James W., Drumright, Okla. Automatic pipe-vise. No. 1,261,723; Apr. 2; v. 249; p. 206.
Duffy, Patrick F., Newburyport, Mass. Drip-pan alarm. No. 1,272,782; July 16; v. 252; p. 630.
Duffy, Patrick F., Scranton, Pa. Wedge-grip track-rail joint. No. 1,281,310; Oct. 15; v. 255; p. 386.
Duffy-Powers Company. (See Mench, John L., assignor.)
Duffy, Thomas I., Chicago, Ill. Automobile-headlight. No. 1,264,779; Apr. 30; v. 249; p. 1169.
Duffy, Thomas I., Chicago, Ill. Bumper for automobiles. No. 1,265,066; May 7; v. 250; p. 55.
Duffy, Thomas I., Oak Park, Ill. Vehicle-lamp mounting No. 1,283,480; Nov. 5; v. 256; p. 12.
Duffy, Thomas I., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Automobile-headlight. No. 1,274,018; July 30; v. 252; p. 1030.
Duffy, William A., Newport, R. I. Condenser for distilling plants. No. 1,272,925; July 16; v. 252; p. 672.
Dufour, George H., Oak Park, Ill., assignor to Marshall Field & Company, Chicago, Ill. Noble-metal alloy. No. 1,282,055; Oct. 22; v. 255; p. 627.
Dufour, Marcel, *et al.* (See Chassaing, Eugéne, assignor.)
Dufrene, Oliver J., *et al.* (See Groh and Hansen, assignors.)
Dufresne, Jere C., Rahway, N. J. Chuck. No. 1,252,253; Jan. 1; v. 246; p. 235.
Dugan, Albert J., Crowley, La. Fan. No. 1,251,876; Jan. 1; v. 246; p. 131.
Dugan, Joseph A., assignor of one-half to W. A. Vinson and J. Cathriner, Houston, Tex. Fuse-plug. No. 1,268,824; June 11; v. 251; p. 232.
Dugar, Delano H., Elyria, Ohio. Expansible reamer. No. 1,265,888; May 14; v. 250; p. 309.
Dugas, Napoleon, Little Falls, Minn. Sack-holder. No. 1,253,948; Jan. 15; v. 246; p. 789.
Duggan, John E., Berkeley, Cal. Automobile-locking device. No. 1,266,432; May 14; v. 250; p. 458.
Duggan, Thomas R., assignor to The Permutit Company, New York, N. Y. Method of and apparatus for softening water. No. 1,276,629; Aug. 20; v. 253; p. 695.
Duggan, William T., Cleveland, Ohio. Interchangeable and removable truck-body. No. 1,269,265; June 11; v. 251; p. 356.
Dugger, Edward E., and W. D. Woods, Osage, Okla. Cattle-guard. No. 1,271,503; July 2; v. 252; p. 209.
Dugger, Huston R., Murphy, Tex. Demountable rim. No. 1,270,711; June 25; v. 251; p. 805.
Duhem, Constant L., Oroville, Cal. Fruit-gatherer. No. 1,264,780; Apr. 30; v. 249; p. 1169.
Duhovan, Stefan, *et al.* (See Cheselka, Peter, assignor.)
Duich, Steven, assignor of one-half to W. Hughes, Colfax, Iowa. Washing-machine gearing. No. 1,251,993; Jan. 1; v. 246; p. 163.
Duigan, Reginald C., Mia Mia, Victoria, Australia. Wire-strainer. No. 1,271,294; July 2; v. 252; p. 153.
Duke, Annual, Marion, Ind. Preserving eggs and product thereof. No. 1,261,724; Apr. 2; v. 249; p. 206.
Duke, George H., Hotchkiss, Colo. Internal-combustion engine. No. 1,260,653; Mar. 26; v. 248; p. 885.
Duke, Robert E., White Sulphur Springs, W. Va. Rail-joint. No. 1,278,611; Sept. 10; v. 254; p. 371.
Dukelow, George A. (See Hitchcock, Ervin H., assignor.)
Dukes, Maurice M., Pine Bluff, Ark. Tailor's work-table. No. 1,261,793; Apr. 9; v. 249; p. 260.
Dukeshier, John, *et al.* (See Dukeshier, Wintworth W., assignor.)
Dukeshier, Wintworth W., assignor of twenty-three one-hundredths to J. Dukeshier and twenty-three one-hundredths to F. Clausin, Kansas City, Kans. Propeller. No. 1,273,751; July 23; v. 252; p. 917.
Dukesmith, Frank H., Meadville, Pa., assignor to The Reliance Air Brake Company, Inc., Buffalo, N. Y. Air-brake system. No. 1,278,317; Sept. 10; v. 254; p. 293.
Dukesmith, Frank H., Meadville, Pa., assignor to The Reliance Air Brake Company, Inc., Buffalo, N. Y. Air-brake-control system. No. 1,285,649; Nov. 26; v. 256; p. 674.
Duket, John J., Toledo, Ohio. Oil-burner. No. 1,280,425; Oct. 1; v. 255; p. 86.
Dula, Caleb C., New York, N. Y. Cigar or cigarette package. No. 1,253,219; Jan. 15; v. 246; p. 579.
Dula, Caleb C., Yonkers, N. Y. Manufacturing tobacco cartridges. No. 1,282,779; Oct. 29; v. 255; p. 853.
Dulac, Fred A., Bristol, Conn. Vending-machine. No. 1,287,263; Dec. 10; v. 257; p. 302.
Dulany, H. Rozier, Jr., *et al.*, trustee. (See Hancock, Winfield S., assignor.)
Dull, Egbert R., Chicago, Ill. Means for repairing tire-casings. No. 1,279,301; Sept. 17; v. 254; p. 587.
Dull, Raymond W., La Grange, Ill. Separator. No. 1,258,100; Mar. 5; v. 248; p. 45.
Dull, Raymond W., La Grange, Ill. Gravel washing and screening apparatus. No. 1,277,051; Aug. 27; v. 253; p. 843.
Dull, Raymond W., La Grange, assignor to The Raymond W. Dull Company, Chicago, Ill. Machine for washing gravel or other materials. No. 1,280,688; Oct. 8; v. 255; p. 185.
Dulle, Joseph J., Kansas City, Mo. Elevator-gate-operating apparatus. No. 1,252,331; Jan. 1; v. 246; p. 256.
Dultmeier, Frank J., Manning, Iowa. Adjustable tongue-hound. No. 1,281,311; Oct. 15; v. 255; p. 387.
Dulude, J. Amedee, *et al.* (See Bisaillon, Zenophile, assignor.)
Duluth Show Case Company. (See Bekkering, Earl H., assignor.)
Duluth Show Case Company. (See Ostram, Roy A., assignor.)
Dumaine, Louis J., assignor of one-half to V. Dumaine, Montreal, Quebec, Canada. Indicator for sunken vessels. No. 1,287,580; Dec. 10; v. 257; p. 378.
Dumaine, Victor. (See Dumaine, Louis J., assignor.)
Dumanois, Emile P., Paris, France. Internal-combustion engine. No. 1,273,834; July 30; v. 252; p. 978.
Dumars, Horace, New Suffolk, N. Y. Advertising display-machine. No. 1,253,220; Jan. 15; v. 246; p. 579.
Dumars, Horace, Glen Ridge, and J. Darvy, Summit, N. J. Advertising-display machine. No. 1,277,558; Sept. 3; v. 254; p. 62.
Dumas, Alfred P. (See Picard and Dumas.)
Dumas, Fernand, Romont, Switzerland. Manufacture of reinforced concrete structures. No. 1,280,426; Oct. 1; v. 255; p. 86.
Dummer, David, *et al.* (See Vennum, Clarence L., assignor.)
Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Doll or the like. No. 1,273,469; July 23; v. 252; p. 843.
Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Motor for talking-machines. No. 1,284,072; Nov. 5; v. 256; p. 167.
Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Means for controlling talking-machines. No. 1,284,073; Nov. 5; v. 256; p. 168.
Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Speed-regulator and brake for talking-machines. No. 1,284,184; Nov. 5; v. 256; p. 197.
Dun Lany, William P., Maywood, assignor to Charles W. Shonk Company, Chicago, Ill. Coin-change-making machine. No. 1,284,619; Nov. 12; v. 256; p. 335.
Dunae, Archipp F., assignor of one-half to B. M. Wakeling, Saskatoon, Saskatchewan, Canada. Grain-bag. No. 1,267,193; May 21; v. 250; p. 704.
Dunagan, Cora E., Clifton, Ariz. Combined mop and scraper. No. 1,282,780; Oct. 29; v. 255; p. 853.
Dunavan, George, Mount City, Kans. Corn-cultivator. No. 1,268,332; June 4; v. 251; p. 75.
Dunaway, Guy I. (See Graeber, Dunaway, and Graeber.)
Dunbar, Daniel J., Philadelphia, Pa. Retaining means for window-sashes. No. 1,270,387; June 25; v. 251; p. 718.
Dunbar, David, Glasgow, Scotland. Filtering of water and other liquids or the like. No. 1,253,674; Jan. 15; v. 246; p. 713.
Dunbar, Francis W., Chicago, Ill., assignor by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone-exchange system. No. 1,270,127; June 18; v. 251; p. 620.
Dunbar, Francis W., Manchester, Vt., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,270,128; June 18; v. 251; p. 621.
Dunbar, Harley, Plattsburg, N. Y. Device for recording and locating irregularities in road-surfaces. No. 1,264,495; Apr. 30; v. 249; p. 1093.
Dunbar, Henrietta C., Boise, Idaho. Skein-holder. No. 1,287,655; Dec. 17; v. 257; p. 429.
Dunbar, Mahlon L., assignor to N. G. Oattis, Akron, Ohio. Twine-cutter. No. 1,285,075; Nov. 19; v. 256; p. 490.
Dunbar Manufacturing Company. (See Schroyer, Harry H., assignor.)
Dunblazier, Charles I., Moline, Ill. Beet-topping device. No. 1,270,503; June 25, v. 251; p. 751.
Duncan, Arthur L., and C. E. Forry, assignors to H. G. Prince & Company, Oakland, Cal. Can-end separating and feeding machine. No. 1,253,797; Jan. 15; v. 246; p. 747.
Duncan, Charles, assignor to A. W. Grant, Montreal, Quebec, Canada. Mop-frame. No. 1,256,989; Feb. 19; v. 247; p. 627.
Duncan, Charles E., Johnstown, Pa. Regenerating-furnace. No. 1,283,117; Oct. 29; v. 255; p. 946.
Duncan, Harry L., Mahwah, N. J. Making chain-links. No. 1,256,117; Feb. 12; v. 247; p. 332.
Duncan, Harry L., Mahwah, N. J. Chain-link. No. 1,256,118; Feb. 12; v. 247; p. 332.
Duncan, Herbert L., Uniontown, Ky. Automatic change-speed gearing. No. 1,277,299; Aug. 27; v. 253; p. 909.

Duncan, Herbert L., Uniontown, Ky. Yielding courling for driving-shafts. No. 1,277,300; Aug. 27; v. 253; p. 909.
Duncan, John, New Haven, Conn. Electric switch. No. 1,257,198; Feb. 19; v. 247; p. 686.
Duncan, John W., Greenwood, Miss. Portable mirror. No. 1,289,130; Dec. 31; v. 257; p. 841.
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Hand addressing-machine. No. 1,274,350; July 30; v. 252; p. 1122.
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine. No. 1,280,191; Oct. 1; v. 255; p. 22.
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine. No. 1,280,192; Oct. 1; v. 255; p. 22.
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Combined printing and identification device. No. 1,288,395; Dec. 17; v. 257; p. 610.
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Combined printing and identification device. No. 1,288,396; Dec. 17; v. 257; p. 610.
Duncan, Joseph S., and U. G. Lee, assignors to Addressograph Company, Chicago, Ill. Stencil addressing-machine. No. 1,262,926; July 16; v. 252; p. 672.
Duncan, Leander, Butte, Mont. Railway-tie. No. 1,254,585; Jan. 22; v. 246; p. 992.
Duncan, Sylena A., Neshanic Station, N. J. Support for detachable handles. No. 1,282,552; Oct. 22; v. 255; p. 764.
Duncan, Thomas C., St. Joseph, Mo. Harvesting-machine. No. 1,271,867; July 9; v. 252; p. 343.
Duncan, William M., Alton, Ill. Car-wheel. No. 1,253,478; Jan. 15; v. 246; p. 656.
Dundas, Roy C., Los Angeles, Cal. Method and apparatus for treating petroleum. No. 1,257,199; Feb. 19; v. 247; p. 686.
Dundon, John H. (See Raab and Dundon.)
Dundon, Patrick F., San Francisco, Cal. Securing means for digester and retort doors. No. 1,266,926; May 21; v. 250; p. 627.
Duner, John C., Wheaton, Ill. Closet-locking device. No. 1,252,556; Jan. 8; v. 246; p. 357.
Dunfee, Hod C., Charleston, W. Va. Combined check and order blank. No. 1,284,264; Nov. 12; v. 256; p. 245.
Dungan, Thomas A., Chicago, Ill. Preparing fertilizer material. No. 1,257,591; Feb. 26; v. 247; p. 837.
Dungan, William R., Bristol, Va. Railway signal device. No. 1,263,871; Apr. 23; v. 249; p. 886.
Dunham, Abraham L., Chelmsford, Mass. Slowing mechanism for roving-rollers of woolen-mules. No. 1,275,406; Aug. 13; v. 253; p. 324.
Dunham, Bert G., Hawthorne, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,262,315; Apr. 9; v. 249; p. 402.
Dunham, Bert G., Hawthorne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,270,388; June 25; v. 251; p. 719.
Dunham, Bert G., Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,268,221; June 4; v. 251; p. 43.
Dunham, Charles W., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track instrument. No. 1,273,835; July 30; v. 252; p. 979.
Dunham, Charles W., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track instrument. (Reissue.) No. 14,533; Oct. 8; v. 255; p. 346.
Dunham Company, The. (See Dunham and Merkel, assignors.)
Dunham Company, The. (See Pitman, Robert A., assignor.)
Dunham, Everett E., Seattle, Wash. Clamping-bolt. No. 1,269,912; June 18; v. 251; p. 565.
Dunham, Millard L., New York, N. Y. Producing lapped joints in piston-rings. No. 1,269,409; June 11; v. 251; p. 394.
Dunham, Ray E., Berea, and A. E. Merkel, Cleveland, assignors to The Dunham Company, Berea, Ohio. Combined scraper and handle-lock for lawn-rollers. No. 1,286,564; Dec. 3; v. 257; p. 93.
Dunham, Ray E., Berea, and A. E. Merkel, Cleveland, assignors to The Dunham Company, Berea, Ohio. Combined scraper and handle-lock for lawn-rollers. No. 1,287,264; Dec 10; v. 257; p. 302.
Dunham, William P. (See Keen, Eliot, assignor.)
Dunham, William P., New York, N. Y. Smoker's pipe. No. 1,266,563; May 21; v. 250; p. 525.
Dunham, William S., assignor of one-half to W. Wheeler, Sharpsville, Pa. System of handling granular slag. No. 1,282,781; Oct. 29; v. 255; p. 853.
Dunkelberger, George A., Paxinos, Pa. Soap-box. No. 1,256,884; Feb. 19; v. 247; p. 595.
Dunkelberger, Milton S., Dayton, Ohio. Toy. No. 1,263,387; Apr. 23; v. 249; p. 753.
Dunker, John G., assignor to The Wahl Company, Chicago, Ill. Calculating-machine. No. 1,274,526; Aug. 6; v. 253; p. 54.
Dunkle, David E., Norwich, Pa. Type-writer attachment. No. 1,256,447; Feb. 12; v. 247; p. 431.
Dunkley, James A., Luxora, Ark. Nut-lock. No. 1,268,700; June 4; v. 251; p. 178.
Dunkley, Melville E., Kalamazoo, Mich. Cherry-pitting machine. No. 1,256,885; Feb. 19; v. 247; p. 595.
Dunkley, Melville E., Kalamazoo, Mich. Canning. No. 1,270,797; July 2; v. 252; p. 11.
Dunkley, Melville E., Kalamazoo, Mich. Canning. No. 1,270,798; July 2; v. 252; p. 12.
Dunlap, Archibald, North Billerica, Mass. Mail-bag delivery. No. 1,283,118; Oct. 29; v. 255; p. 946.
Dunlap, Charles W., Nicholson, Pa. Punching-machine. No. 1,279,851; Sept. 24; v. 254; p. 765.
Dunlap, Elbert. (See Exline, Marcus P., assignor.)
Dunlap, Herbert E., Wheeling, W. Va. Removable-head steel barrel. No. 1,268,550; June 4; v. 251; p. 136.
Dunlap, Jesse M., Little Rock, Ark. Drill-gage and countersink. No. 1,279,302; Sept. 17; v. 254; p. 587.
Dunlap, Joseph B., Tulsa, Okla. Equalizing pump-jack. No. 1,274,861; Aug. 6; v. 253; p. 149.
Dunlap, Theodore M., Chicago, Ill., assignor to H. A. Newby. Fire-extinguisher. No. 1,259,002; Mar. 12; v. 248; p. 345.
Dunlap, William A., Pittsburgh, Pa. Tray and frame. No. 1,270,273; June 25; v. 251; p. 686.
Dunleavy, Frank J., San Francisco, Cal. Buckle. No. 1,269,066; June 11; v. 251; p. 300.
Dunlop, David, and J. D. Davis, Petersburg, Va. Internal-combustion engine. No. 1,280,193; Oct. 1; v. 255; p. 22.
Dunlop, Robert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,267,992; May 28; v. 250; p. 952.
Dunlop Rubber Company, The. (See Macbeth, Colin, assignor.)
Dunlop Rubber Company, The. (See Twiss, Douglas F., assignor.)
Dunn, C. A. (See Myers, Melvin A., assignor.)
Dunn, C. K. (See Myers, Melvin A., assignor.)
Dunn, Charles E., Piru, Cal. Breeding-capsule injector. No. 1,261,725; Apr. 2; v. 249; p. 206.
Dunn, David, Philadelphia, Pa. Rain-conductor. No. 1,270,274; June 25; v. 251; p. 686.
Dunn, Edward L., U. S. Marine Corps. Type-writer platen-roll-shifting means. No. 1,252,416; Jan. 8; v. 246; p. 316.
Dunn, Edward L., assignor, by mesne assignments, to Standard Plunger Elevator Company, Worcester, Mass. Signal system for elevators. No. 1,255,866; Feb. 12; v. 247; p. 258.
Dunn, Edward L., assignor, by mesne assignments, to Standard Plunger Elevator Company, Worcester, Mass. Automatic limit-switch. No. 1,275,407; Aug. 13; v. 253; p. 325.
Dunn, Edward L., assignor to Standard Plunger Elevator Company, Worcester, Mass. Elevator system. No. 1,287,581; Dec. 10; v. 257; p. 378.
Dunn, Emanuel W., Oakland, Cal. Orchard-heater. No. 1,270,712; June 25; v. 251; p. 805.
Dunn, Emanuel W., Los Angeles, Cal. Heater. No. 1,271,680; July 9; v. 252; p. 293.
Dunn, Forrest A. (See Miller and Dunn.)
Dunn, George W. (See Button, Frank R., assignor.)
Dunn, George W., Newport, Ky. Collapsible frame. No. 1,272,023; July 9; v. 252; p. 389.
Dunn, Harvey A. (See Fessenden and Dunn.)
Dunn, Hugh T., New York, N. Y. Motor-pump fire-hydrant. No. 1,272,639; July 16; v. 252; p. 590.
Dunn, Irwin L., Marietta, Ohio, assignor to Petroleum Patents Company, Chicago, Ill. Process and apparatus for increasing the production of oil-wells. No. 1,252,557; Jan. 8; v. 246; p. 357.
Dunn, James D., New Orleans, La. Combination cooking utensil. No. 1,288,533; Dec. 24; v. 257; p. 672.
Dunn, John, Honolulu, Hawaii. Pineapple-fleshing machine. No. 1,271,868; July 9; v. 252; p. 344.
Dunn, Joseph F., New York, N. Y. Clock. No. 1,270,706; June 25; v. 251; p. 804.
Dunn, L. (See Myers, Melvin A., assignor.)
Dunn, Leo R., Farmer, S. D. Monkey-wrench. No. 1,271,452; July 2; v. 252; p. 194.
Dunn, Lillian M., Camas, Wash. Extension-table. No. 1,265,067; May 7; v. 250; p. 55.
Dunn, Patrick T., Cedar Rapids, Iowa. Ice-creeper. No. 1,256,300; Feb. 12; v. 247; p. 387.
Dunn, Raymond J., Hartford, Conn. Calipers. No. 1,251,648; Jan. 1; v. 246; p. 62.
Dunn, Robert W. L., Trenton, N. J. Candle-holder. No. 1,272,024; July 9; v. 252; p. 390.
Dunn, Sola B., Chicago, Ill. Horse-sling. No. 1,277,052; Aug. 27; v. 253; p. 844.
Dunn, William, Elk, Wyo. Self-adjusting track-brace. No. 1,272,236; July 9; v. 252; p. 449.
Dunn, William G., Clarinda, Iowa. Crank-shaft counterbalance. No. 1,259,086; Mar. 12; v. 248; p. 369.
Dunn, William G., Clarinda, Iowa. Counterbalanced crank-shaft. No. 1,275,140; Aug. 6; v. 253; p. 225.
Dunn, William G., Clarinda, Iowa. Gear-shifting mechanism for motor-cars. No. 1,285,076; Nov. 19; v. 256; p. 490.

Dunn, William J., Montreal, Quebec, Canada. Machine for pasting wall-paper. No. 1,260,885; Mar. 26; v. 248; p. 949.
Dunn, William M., assignor of one-half to E. Hendricks, Shelbyville, Ind. Damper-operating device. No. 1,274,251; July 30; v. 252; p. 1096.
Dunn, William T., Rockaway, N. J., assignor to International High Speed Steel Company, New York, N. Y. Core-removing apparatus. No. 1,283,702; Nov. 5; v. 256; p. 70.
Dunnam, Martin L., Meridian, Miss. Feed-water heater. No. 1,287,922; Dec. 17; v. 257; p. 496.
Dunne, George W., Muskegon, Mich. Forming multicrank-shaft blanks. No. 1,252,673; Jan. 8; v. 246; p. 390.
Dunne, Thomas P., Meriden, Conn. Propelling mechanism for vessels. No. 1,265,309; May 7; v. 250; p. 120.
Dunnell, William W., Jr. (See Coleman and Dunnell.)
Dunner, Julius, Brooklyn, N. Y. Hinge. No. 1,253,798; Jan. 15; v. 246; p. 747.
Dunning, Thomas M., Jersey City, N. J. Switch-thawing apparatus. No. 1,265,182; May 7; v. 250; p. 87.
Dunning, Warren H., Cambridge, Mass., assignor to Dover Stamping & Manufacturing Company, Portland, Me. Egg-beater. No. 1,255,993; Feb. 12; v. 247; p. 296.
Dunning, Warren H., Cambridge, Mass., assignor to Dover Stamping & Manufacturing Company, Portland, Me. Egg-beater. No. 1,255,994; Feb. 12; v. 247; p. 296.
Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Manifolding sales-book. No. 1,256,534; Feb. 19; v. 247; p. 492.
Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Manifolding-book. No. 1,269,796; June 18; v. 251; p. 534.
Dunseath, Robert, New York, N. Y. Collapsible block. No. 1,271,869; July 9; v. 252; p. 344.
Dunstan, George E. (See Goodman, Herman, assignor.)
Dunston, Wayne E., receiver. (See Hartzell, Forest H., assignor.)
Dupas, Césaire R., New Orleans, La. Automobile-signal. No. 1,264,030; Apr. 23; v. 249; p. 930.
Dupell, Charles E., Brooklyn, N. Y. Spring-tire for vehicle-wheels. No. 1,284,265; Nov. 12; v. 256; p. 245.
Dupen, James R., Chico, Cal. Weather-strip for doors. No. 1,262,931; Apr. 16; v. 249; p. 606.
Duperly, Oscar, Medellin, Colombia. Photographic Camera. No. 1,271,022; July 2; v. 252; p. 76.
Dupler, Raymond R., Monroe, Mich. Weed-cutter. (Reissue.) No. 14,553; Nov. 19; v. 256; p. 617.
Duplex Printing Press Company. (See Bechman, Henry F., assignor.)
Duplex Snap Fastener Co. (See Boyler, Emanuel J., assignor.)
Duplexalite Corporation. (See White, Ernest C., assignor.)
Duplicator Manufacturing Company. (See Flanigan, John J., assignor.)
Dupont, Joseph M., assignor of one-half to A. P. Lymburner, Montreal, Quebec, Canada. Bell-ringing apparatus. No. 1,283,481; Nov. 5; v. 256; p. 12.
Duprey, Robert E. (See Mentzer and Duprey.)
Dupuis, Joseph, Fall River, Mass. Let-off mechanism for looms. No. 1,254,127; Jan. 22; v. 246; p. 862.
Dupuy, Arthur O., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Pallet-feeder for mold-dumping machines. No. 1,288,534; Dec. 24; v. 257; p. 672.
Dupuy, Jeanne, Evry Petit-Bourg, France. Bandage. No. 1,281,538; Oct. 15; v. 255; p. 450.
Dupuy, René J., assignor to Compagnie Generale D'Electricite, Paris, France. Apparatus for protecting steam-turbines against rust. No. 1,282,680; Oct. 22; v. 255; p. 799.
Duquesne Rug Company. (See Astley, William F., assignor.)
Duquette, Edward E. J. (See Schneider and Duquette.)
Durable Box Co. (See Fritze, Ferdinand A., Jr., assignor.)
Durable Box Co. (See Kenniker, Nicholas O., assignor.)
Duralia, John I., Punxsutawney, Pa. Pencil-sharpener. No. 1,266,433; May 14; v. 250; p. 458.
Duram, Arthur E., Chicago, Ill. Liquid-separator and the like. No. 1,255,395; Feb. 5; v. 247; p. 82.
Durand, Nelson C., Roseville, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,266,777; May 21; v. 250; p. 587.
Durant, Alma F. (See Durant, Walter N., assignor.)
Durant Manufacturing Company. (See Wetmore, Charles P., assignor.)
Durant, Walter N., assignor to A. F. Durant, Alhambra, Cal. Machine for and method of extracting essential oils from fruit-peels. No. 1,287,582; Dec. 10; v. 257; p. 378.
Duratex Company, The. (See Kip and Ford, assignors.)
Duratex Company, The. (See Stoddard, William O., Jr., assignor.)
Durbin, Vernon, Brookline, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Fire-alarm apparatus. No. 1,261,745; Apr. 2; v. 249; p. 211.
Durbin, Vernon, Brookline, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Annunciator. No. 1,288,535; Dec. 24; v. 257; p. 672.
Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
Duri, Augusta, *et al.* (See Di Benedetto, Paolo, assignor.)
Durkee-Atwood Co. (See Atwood, Harry C., assignor.)
Durkee, Chauncey H., Springfield, Mass., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Mechanism for preparing tubes for splicing. No. 1,283,701; Nov. 5; v. 256; p. 69.
Durkee and Company, E. R. (See Helson, Gilbert F., assignor.)
Durkee, Inez A., Granite, Oreg. Baking-pan. No. 1,283,482; Nov. 5; v. 256; p. 12.
Durkee, William H., Cleveland, assignor of one-half to B. O. Hull, Burton, Ohio. Device for fitting doors. No. 1,257,200; Feb. 19; v. 247; p. 687.
Durning, Thomas F., Newark, N. J. Crate. No. 1,269,410; June 11; v. 251; p. 394.
Duryea, William F., Hackensack, N. J., assignor to Salz Brothers, New York, N. Y. Self-filler lever-pen. No. 1,260,165; Mar. 19; v. 248; p. 707.
Duryea, William H., Tiffin, Ohio. Filter. No. 1,271,681; July 9; v. 252; p. 293.
Dushman, Saul, Scotia, N. Y., assignor to General Electric Company. Electrical discharge device. No. 1,287,265; Dec. 10; v. 257; p. 302.
Dutcher, Frank, Grottoes, Va. Window construction. No. 1,281,312; Oct. 15; v. 255; p. 387.
Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,256,990; Feb. 19; v. 247; p. 627.
Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,256,991; Feb. 19; v. 247; p. 627.
Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,278,887; Sept. 17; v. 254; p. 476.
Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Metallic railway signal-torpedo. No. 1,284,620; Nov. 12; v. 256; p. 335.
Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,284,621; Nov. 12; v. 256; p. 335.
Dutcher, Lewis B., Oswego, N. Y. Hose-patch. No. 1,261,221; Apr. 2; v. 249; p. 64.
Dutcher, Lewis B., Oswego, N. Y. Automobile-tire implement. No. 1,269,585; June 18; v. 251; p. 473.
Dutcher, Ogden, *et al.* (See Stampka, Paul, assignor.)
Dutcher, Pierpont E., assignor to Bucyrus Company, Milwaukee, Wis. Rail-chair. No. 1,259,087; Mar. 12; v. 248; p. 369.
Dutcher, Robert, Anadarko, Okla. Cotton-planter. No. 1,265,439; May 7; v. 250; p. 156.
Dutchess Hat Works. (See Pearl and Starkey, assignors.)
Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
Dutchess Tool Company. (See Van Houten, John M. and F. H., assignors.)
Dutoit, Pierre, Monthey, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Process for the manufacture of betaaminoanthraquinone. No. 1,255,719; Feb. 5; v. 247; p. 175.
Dutreux, Auguste, assignor to The Societe Anonyme Pour L'Eclairage Electrique Des Vehicules, Issy-les-Moulineaux, France. Starting arrangement for internal-combustion engines in which an electric starting-motor is used. No. 1,257,821; Feb. 26; v. 247; p. 904.
Dutreux, Auguste, assignor to Société Anonyme pour l'Eclairage Electrique des Vehicules, Issy les Moulineaux, France. Arrangement for automatically regulating the advance of the spark in explosion-motors. No. 1,279,997; Sept. 24; v. 254; p. 806.
Dutreux, Auguste, assignor to Société Anonyme pour l'Eclairage Electrique des Vehicules, Issy les Moulineaux, France. Interrupter and spark-advancer for internal-combustion engines. No. 1,280,102; Sept. 24; v. 254; p. 835.
Dutro, Orville V., and A. S. Burroughs, Spokane, Wash. Printing-press. No. 1,287,923; Dec. 17; v. 257; p. 496.
Dutt, David. (See Evans and Dutt.)
Dutton, Chester F., Hancock, N. H. Gas-escape valve for balloons. No. 1,289,703; Dec. 31; v. 257; p. 983.
Dutton Dredge Co. (See Gottschalk, William, assignor.)
Dutton, John W., Jr., Stockton, Cal. Demountable rim. No. 1,265,310; May 7; v. 250; p. 120.
Dutton, Lonzo D., assignor of one-half to E. M. Martin, Winfield, Kans. Lock-controlled valve. No. 1,289,415; Dec. 31; v. 257; p. 913.
Duvall, George W. (See Smith and Duvall.)
Dwiggins, John W., Marion, assignor to Parrish-Alford Fence & Machine Company, Knightstown, Ind. Machine for making wire fabric. No. 1,270,129; June 18; v. 251; p. 622.
Dwiggins Wire Fence Company. (See Swank, Lafe, assignor.)
Dwight, Arthur S., New York, N. Y. Treating ores. No. 1,254,316; Jan. 22; v. 246; p. 915.
Dwight, Arthur S., and R. L. Lloyd, assignors to Dwight & Lloyd Metallurgical Company, New York, N. Y. Cement material and producing. No. 1,283,483; Nov. 5; v. 256; p. 13.

Dwight, James H., Atlanta, Ga. Cotton-chopper. No. 1,284,075; Nov. 5; v. 256; p. 169.
Dwight & Lloyd Metallurgical Company. (See Dwight and Lloyd, assignors.)
Dwork, Joseph H., Newark, N. J. Resilient wheel. No. 1,283,119; Oct. 29; v. 255; p. 947.
Dwyer Bros. & Co. (See Marsh, Ira E., assignor.)
Dwyer, Cornelius, Amsterdam, N. Y. Torpedo-protector for ships. No. 1,262,469; Apr. 9; v. 249; p. 445.
Dwyer, John E., Springfield, Ohio. Return-airship. No. 1,278,123; Sept. 10; v. 254; p. 241.
Dwyer, Joseph F., Seattle, Wash. Device for dispensing tickets. No. 1,268,222; June 4; v. 251; p. 43.
Dwyer, Timothy R., Hartford, Wis. Automobile-signal. No. 1,279,676; Sept. 24; v. 254; p. 715.
Dwyer, William O. (See Frank and Dwyer.)
Dyblie, Julius A., Joliet, Ill. Wind-shield protector. No. 1,255,300; Feb. 5; v. 247; p. 53.
Dye, Arthur W., Gloversville, N. Y. Attachable handle. No. 1,264,031; Apr. 23; v. 249; p. 930.
Dye, Glen M., Minneapolis, Minn. Film-holding device. No. 1,258,756; Mar. 12; v. 248; p. 273.
Dye, Glen M., Minneapolis, Minn. Machine for drying photographic prints and the like. No. 1,277,202; Aug. 27; v. 253; p. 885.
Dyer, Charles W., St. Louis, Mo. Multicolor attachment for printing-presses. No. 1,288,536; Dec. 24; v. 257; p. 673.
Dyer, Frank L. and J. W., Montclair, N. J.; said J. W. Dyer assignor to said Frank L. Dyer. Assembly-voting machine. No. 1,283,703; Nov. 5; v. 256; p. 70.
Dyer, George F., and E. B. Schwenk, Seattle, Wash. Jack-plane. No. 1,270,023; June 18; v. 251; p. 594.
Dyer, Harry W., East Orange, N. J. Tire-tread construction. No. 1,273,046; July 16; v. 252; p. 704.
Dyer, John W. (See Dyer, Frank L. and J. W.)
Dyer, Philip S. (See Slaght, Daniel C., assignor.)
Dyer, Walter, Portland, Oreg. Making drying-oils from mineral oils. No. 1,256,535; Feb. 19; v. 247; p. 492.
Dyer, Walter and W. E., Portland, Oreg. Making drying-oils. No. 1,256,536; Feb. 19; v. 247; p. 493.
Dyer, Walter and W. E., Portland, Oreg. Thinned paint and making paint-thinner. No. 1,256,537; Feb. 19; v. 247; p. 493.
Dyer, Walter E. (See Dyer, Walter and W. E.)
Dyett, Emily, New York, N. Y. Window-cleaner. No. 1,259,003; Mar. 12; v. 248; p. 346.
Dyett, James H., assignor to Hard Manufacturing Company, Buffalo, N. Y. Bed-spring or spring bed-bottom. No. 1,270,799; July 2; v. 252; p. 12.
Dyett, James H., assignor to Hard Manufacturing Company, Buffalo, N. Y. Bed-spring. No. 1,274,149; July 30; v. 252; p. 1067.
Dyett, James H., assignor to Hard Manufacturing Company, Buffalo, N. Y. Bed-spring. No. 1,274,397; Aug. 6; v. 253; p. 15.
Dyke, Darrell F., assignor to The Seng Company, Chicago, Ill. Adjustable back for sofa-beds. No. 1,260,348; Mar. 26; v. 248; p. 794.
Dyke, Darrell F., Chicago, Ill., assignor to The Seng Company. Corner-lock for bedsteads. No. 1,267,390; May 28; v. 250; p. 783.
Dyke, Darrell F., Chicago, Ill., assignor to The Seng Company. Corner-lock for bedsteads. No. 1,269,691; June 18; v. 251; p. 503.
Dyke, Herbert H., Montclair, N. J. Tour-car. No. 1,259,966; Mar. 19; v. 248; p. 653.
Dykes, David D., Gruetli, Tenn. Dispenser for explosives. No. 1,284,622; Nov. 12; v. 256; p. 336.
Dykes, John L. G., Chicago, Ill. Expansible mandrel. No. 1,276,041; Aug. 20; v. 253; p. 531.
Dymora, Peter, East Columbus, Ohio. Mouse-trap. No. 1,279,303; Sept. 17; v. 254; p. 587.
Dynamic Balancing Machine Company. (See Akimoff, Nicholas W., assignor.)
Dyneto Electric Corporation. (See Doman, Albert E., assignor.)
Dynowsky, Peter, Newark, N. J. Shaving-brush. No. 1,274,697; Aug. 6; v. 253; p. 102.
Dyrenforth, William H., *et al.* (See Cooney, Peter A., assignor.)
Dyrssen, Waldemar, New York, N. Y. Calcining coal at high temperatures. No. 1,277,707; Sept. 3; v. 254; p. 104.
Dysart, Arthur S., U. S. Navy. Turbine-driven electric generator. No. 1,255,589; Feb. 5; v. 247; p. 138.
Dysart, Arthur S., U. S. Navy. Liquid-scale. No. 1,279,304; Sept. 17; v. 254; p. 588.
Dysart, Birney, Cincinnati, Ohio. Adding and recording machine. No. 1,278,612; Sept. 10; v. 254; p. 371.
Dysart, Birney, Cincinnati, Ohio. Adding-machine. No. 1,278,613; Sept. 10; v. 254; p. 372.
Dysart, Birney, Cincinnati, Ohio. Adding and listing machine. No. 1,278,614; Sept. 10; v. 254; p. 372.
Dysart, Birney, Cincinnati, Ohio. Adding-machine. No. 1,282,058; Oct. 22; v. 255; p. 628.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Automatic telephone system. No. 1,257,283; Feb. 19; v. 247; p. 712.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone system. No. 1,259,967; Mar. 19; v. 248; p. 654.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Automatic telephone system. No. 1,260,971; Mar. 26; v. 248; p. 972.
Dyson, Alfred H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 1,277,883; Sept. 3; v. 254; p. 152.
Dyson, Alfred H., New York, N. Y., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone-call-distributing system. No. 1,259,496; Mar. 19; v. 248; p. 517.
Dyson, Alfred H., Montclair, N. J., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 1,289,704; Dec. 31; v. 257; p. 983.
Dyson, Charles W., Washington, D. C. Water-tube boiler. No. 1,279,094; Sept. 17; v. 254; p. 531.
Dyson, Edward T., Oakland, Cal. Box. No. 1,256,448; Feb. 12; v. 247; p. 431.
Dyson, Harry. (See Gaunt and Dyson.)
Dziezyc, William, Middletown, N. J. Wire-entanglement cutter for bayonets. No. 1,274,019; July 30; v. 252; p. 1030.
Dzingel, Joseph. (See Kruppa, Michal, assignor.)
E. Horton & Son Company. (See Morrow, Alexander P., assignor.)
E. Horton & Son Company. (See Woodford and Rockwell, assignors.)
E. Ingraham Co., The. (See Ames, Bliss C., assignor.) (Reissue.)
E. Keeler Company. (See Lippincott, Alpheus C., assignor.)
E. Keeler Company. (See Robinson, Charles E., assignor.)
E. Kirstein Sons Company. (See Kirstein and McDonnell, assignors.)
E. Kirstein Sons Company. (See McDonell, William E., assignor.)
E. Kirstein Sons Company. (See Nelson, John N., assignor.)
E. Kopriwa Company. (See Salstrom, David B., assignor.)
E. A. Potter Co. (See Swanton, Harold H., assignor.)
E. B. Badger and Sons Company. (See Robinson, Clark S., assignor.)
E. & B. Holmes Machinery Company. (See Beugler, Edwin F., assignor.)
E. C. Atkins & Company. (See Pribnow, John F., assignor.)
E. C. Atkins & Company. (See Pribnow and Soderin, assignors.)
E. C. Tecktonius Manufacturing Company. (See Tecktonius, Emil C., assignor.)
E. F. Houghton & Co. (See Pressell, George W., assignor.)
E. G. Staude Manufacturing Company. (See Staude, Edwin G., assignor.)
E. H. Freeman Electric Company. (See Freeman, Edgar H., assignor.)
E. I. du Pont de Nemours and Company. (See Arnold, Charles E., assignor.)
E. I. du Pont de Nemours and Company. (See Darling, Philip G., assignor.)
E. I. du Pont de Nemours and Company. (See Du Pont, Francis I., assignor.)
E. I. du Pont de Nemours and Company. (See Holmes, Fletcher B., assignor.)
E. I. du Pont de Nemours and Company. (See Stewart, Jeffrey, assignor.)
E. I. du Pont de Nemours Powder Company. (See Arnold, Charles E., assignor.)
E. I. du Pont de Nemours Powder Company. (See Chesney, John, assignor.)
E. I. du Pont de Nemours Powder Company. (See Hibbert, Harold, assignor.)
E. I. du Pont de Nemours Powder Company. (See Hill, Roy L., assignor.)
E. I. du Pont de Nemours Powder Company. (See Masland, Walter E., assignor.)
E. I. du Pont de Nemours Powder Company. (See Richards, Walter W., assignor.)
E. I. du Pont de Nemours Powder Company. (See Sparre, Fin, assignor.)
E. I. du Pont de Nemours Powder Company. (See Stowe, Floyd D., assignor.)
E. I. du Pont de Nemours Powder Company. (See Turner, Thomas J., assignor.)
E. J. Brooks & Co. (See Brooks, Winfred M., assignor.)
E. J. Brooks & Company. (See Macdonald, William D., assignor.)
E. J. Manville Machine Company, The. (See Smith, Henry L., assignor.)
E. J. Woodison Co., The. (See Stewart, Frederick G., assignor.)
E. L. Mansure Company. (See Chappatte, Joseph E., assignor.)
E. R. Durkee & Co. (See Helson, Gilbert F., assignor.)
E. T. Burrowes Company, The. (See Coffin, Charles W., assignor.)

E. and T. Fairbanks and Company. (See Bousfield, John H. A., assignor.)
E. and T. Fairbanks and Company. (See Lachance, Modeste J., assignor.)
E. T. Fraim Lock Company. (See Fraim, Samuel R., assignor.)
E. U. Scoville Company. (See Smith, Eugene D., assignor.)
E. V. Sala Patents Company, The. (See Sala, Earl V., assignor.)
E. W. Bliss Company. (See Klocke, William, assignor.)
E. W. Bliss Company. (See Kruse, Peter, assignor.)
E. W. Bredemeier & Company. (See Dobersch, Hugo J., assignor.)
Eachel, Emerson C., Montclair, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. No. 1,259,379; Mar. 12; v. 248; p. 451.
Eachel, Emerson C., Montclair, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,259,497; Mar. 19; v. 248; p. 517.
Eachel, Emerson C. Montclair, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,269,797; June 18; v. 251; p. 534.
Eacret, Godfrey, San Francisco, Cal. Indicator. No. 1,261,369; Apr. 2; v. 249; p. 108.
Eader, John B. (See Berklite, Alonzo H., assignor.)
Eadie, John M., New York, N. Y. Brace for vehicle running-gear. No. 1,272,025; July 9; v. 252; p. 390.
Eadie, John M., New York, N. Y. Steering and turning device for vehicles. No. 1,272,026; July 9; v. 252; p. 390.
Eadie, John M., New York, N. Y. Brake. No. 1,279,745; Sept. 24; v. 254; p. 734.
Eads, Charles W., Altus, Okla. Gin and linter saw-tooth cutter. No. 1,265,758; May 14; v. 250; p. 273.
Eads, Morgan L., Harrogate, Tenn. Needle-threader. No. 1,286,257; Dec. 3; v. 257; p. 18.
Eager, Albert E., assignor to The Atlantic Refining Company, Philadelphia, Pa. Apparatus for reaming bung-holes of barrels. No. 1,262,470; Apr. 9; v. 249; p. 445.
Eagle Pencil Company. (See Boman, Claes W., assignor.)
Eagle Pencil Company. (See Lasko, Henry, assignor.)
Eagle Wagon Works, The. (See Underhill and Avery, assignors.)
Eagleson, Elmer C., Dayton, Wash. Miter-box. No. 1,259,380; Mar. 12; v. 248; p. 452.
Eaglesfield, Robert D., Indianapolis, Ind. Molding machine. No. 1,264,165; Apr. 30; v. 249; p. 1000.
Eagleston, Frank W., Berkeley, assignor to E. W. Beardsley, trustee, San Francisco, Cal. Writing paper, card, tablet, or the like. No. 1,267,640; May 28; v. 250; p. 854.
Eaid, Clayton T., assignor of one-third to J. L. Atkins, Portland, Oreg. Hook. No. 1,267,064; May 21; v. 250; p. 666.
Eakens, James C., Golden, N. Mex. Tire for wheels. No. 1,255,115; Jan. 29; v. 247; p. 1175.
Eakens, James C., Mingo Junction, assignor of one-half to E. C. Brandfoss, Steubenville, Ohio. Wheel-tire. No. 1,260,166; Mar. 19; v. 248; p. 707.
Eames, Edward E., *et al.*, administrators. (See Orcutt, Edward L.)
Earhuff, John A., Los Angeles, Cal. Shock-absorber for type-writers. No. 1,257,822; Feb. 26; v. 247; p. 905.
Earl, Edwin T. (See Brown, Howard T., assignor.)
Earl, George G., New Orleans, La., assignor of one-third to C. A. Brown, Lorain, Ohio, and one-third to A. B. Wood, New Orleans, La. Fluid system. No. 1,267,523; May 28; v. 250; p. 819.
Earl, George G., New Orleans, La., and C. A. Brown, Lorain, Ohio, assignors of one-third to A. B. Wood, New Orleans, La. Hydraulic apparatus. No. 1,267,522; May 28; v. 250; p. 819.
Earl, Leon P., assignor to The Aromint Company, Cincinnati, Ohio. Display and dispensing device. No. 1,276,630; Aug. 20; v. 253; p. 696.
Earl & Wilson. (See Betts, Edgar H., assignor.)
Earle, Elias P., Townville, S. C. Pencil-sharpener. No. 1,253,221; Jan. 15; v. 246; p. 580.
Earles, Fred E., Chicago, Ill., and F. G. Lowe, Detroit, Mich. Fly-killing device. No. 1,261,222; Apr. 2; v. 249; p. 64.
Earles, Michael, *et al.* (See Kanall, John M., assignor.)
Early, Thomas F. (See Reilly, Matthew J., assignor.)
Earp-Thomas, George H., Glen Ridge, N. J. Bacterial product and process of preparing same. No. 1,252,332; Jan. 1; v. 246; p. 257.
Earp-Thomas, Henry W., Richmond, Va. Penholder attachment. No. 1,282,203; Oct. 22; v. 255; p. 669.
Earp-Thomas, Oswald C., Bloomfield, N. J. Analytical testing apparatus. No. 1,280,194; Oct. 1; v. 255; p. 23.
Eary, William H., Fayette, W. Va. Nut and bolt lock. No. 1,278,615; Sept. 10; v. 254; p. 373.
Easly, Harvey E., Waterloo, Iowa. Oxygen-inhaling device. No. 1,288,850; Dec. 24; v. 257; p. 748.
Eason, George F., Manning, Ark. Measuring-machine. No. 1,289,705; Dec. 31; v. 257; p. 983.
East, Arthur R., Delia, assignor of one-half to J. J. Beckham, Limestone county, Tex. Cotton-chopper-tool-lifting mechanism. No. 1,252,674; Jan. 8; v. 246; p. 391.
East, John F., Norfolk, Va. Basket. No. 1,257,823; Feb. 26; v. 247; p. 905.
East, John L., Jr., Claudell, Kans. Ignition-tester. No. 1,279,305; Sept. 17; v. 254; p. 588.
East, Robert J., Winnipeg, Manitoba, Canada. Drinking-fountain head. No. 1,272,927; July 16; v. 252; p. 672.
East, Walter, trustee. (See Cobb, Edwin F., assignor.)
Eastern Flexible Conduit Company. (See Emrick, George W., assignor.)
Eastern Flexible Conduit Company. (See Hansen, Hans, assignor.)
Eastern Manufacturing Company. (See Adams, Archibald A., assignor.)
Eastern Manufacturing Company. (See Guild, Henry J., assignor.)
Eastern Manufacturing Company. (See Howe, Henry P., assignor.)
Eastern Manufacturing Company. (See Taylor, Whilmore R., assignor.)
Eastern Steel Company, The. (See Flanegin, Harry S., assignor.)
Eastern Tanners Glue Co. (See Cummings, Carlos E., assignor.)
Eastin, C. W. *et al.* (See Blair, John H., assignor.)
Eastman, George R., *et al.* (See Hunter, James B., assignor.)
Eastman, Hal P., Niagara Falls, Ontario, Canada, assignor to The American Cyanamid Company, New York, N. Y. Alkali metal cyanid and producing same. No. 1,282,395; Oct. 22; v. 255; p. 721.
Eastman, John B. (See Carrigan, Eastman, and Magill.)
Eastman Kodak Company. (See Baker, Thomas, assignor.)
Eastman Kodak Company. (See Barnes, Frederick W., assignor.)
Eastman Kodak Company. (See Barnes and Phillips, assignors.)
Eastman Kodak Company. (See Becker, Joseph, assignor.)
Eastman Kodak Company. (See Bullock, Edmund R., assignor.)
Eastman Kodak Company. (See Capstaff, John G., assignor.)
Eastman Kodak Company. (See Crabtree, John I., assignor.)
Eastman Kodak Company. (See Cross, Francis J., assignor.)
Eastman Kodak Company. (See Davis, Hugh, assignor.)
Eastman Kodak Company. (See Farley, Walter L., assignor.)
Eastman Kodak Company. (See Fisher, Austin C., assignor.)
Eastman Kodak Company. (See Folmer, William F., assignor.)
Eastman Kodak Company. (See Gaisman, Henry J., assignor.)
Eastman Kodak Company. (See Harmon, John S., assignor.)
Eastman Kodak Company. (See Hoefle and Adams, assignors.)
Eastman Kodak Company. (See Hutchings, Charles E., assignor.)
Eastman Kodak Company. (See Jones, John G., assignor.)
Eastman Kodak Company. (See Kroedel, Robert, assignor.)
Eastman Kodak Company. (See Lovejoy, Frank W., assignor.)
Eastman Kodak Company. (See Marks, Paul J., assignor.)
Eastman Kodak Company. (See Newton and Furnald, assignors.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Riggs, Garshon A., assignor.)
Eastman Kodak Company. (See Robertson, John A., assignor.)
Eastman Kodak Company. (See Ruttan, Alfred A., assignor.)
Eastman Kodak Company. (See Ruttan and Hutchings, assignors.)
Eastman Kodak Company. (See Ruttan and Kester, assignors.)
Eastman Kodak Company. (See Seel, Paul C., assignor.)
Eastman Kodak Company. (See Speidel, Kroedel, and Riddell, assignors.)
Eastman Kodak Company. (See Stuber, Adolph, assignor.)
Eastman Kodak Company. (See Tierney, Philip W., assignor.)
Eastman Machine Co. (See Clark, Frederick J., assignor.)
Eastman Machine Co. (See Clark and Wyman, assignors.)
Eastman, Samuel F., Petersburg, Ill. Engine valve mechanism. No. 1,259,728; Mar. 19; v. 248; p. 581.
Easton, William S., Seattle, Wash. Rotary pump. No. 1,264,032; Apr. 23; v. 249; p. 930.

Eastwood, Arthur C., Cleveland, Ohio, assignor, by mesne assignments, to The Electric Controller & Manufacturing Company. Electric motor-control system. No. 1,284,266; Nov. 12; v. 256; p. 246.
Eaton, Anton, assignor to J. Ericson, New York, N. Y. Match holder and dispenser. No. 1,259,216; Mar. 12; v. 248; p. 405.
Eaton, Anton, assignor to J. Ericson, New York, N. Y. Match holder and dispenser. No. 1,260,349; Mar. 26; v. 248; p. 795.
Eaton, Charles F., Jr., New York, N. Y. Measuring instrument. No. 1,282,553; Oct. 22; v. 255; p. 764.
Eaton, Clara S., New York, N. Y. Rivet. (Reissue.) No. 14,513; Aug. 27; v. 253; p. 922.
Eaton, Elmer W., Nashua, N. H. Suitcase-holder for automobiles. No. 1,267,750; May 28; v. 250; p. 883.
Eaton, George M. (See Webster and Eaton.)
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Storage-battery locomotive. No. 1,256,214; Feb. 12; v. 247; p. 363.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resilient gear. No. 1,258,639; Mar. 5; v. 248; p. 202.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lubricating device. No. 1,266,564; May 21; v. 250; p. 525.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive friction-plate. No. 1,266,565; May 21; v. 250; p. 526.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,267,993; May 28; v. 250; p. 953.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive. No. 1,268,942; June 11; v. 251; p. 264.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric locomotive. No. 1,271,682; July 9; v. 252; p. 294.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive. No. 1,274,398; Aug. 6; v. 253; p. 15.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive driving mechanism. No. 1,274,399; Aug. 6; v. 253; p. 16.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive driving mechanism. No. 1,274,400; Aug. 6; v. 253; p. 16.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,275,003; Aug. 6; v. 253; p. 187.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-wheel lubrication. No. 1,275,004; Aug. 6; v. 253; p. 188.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-wheel. No. 1,278,888; Sept. 17; v. 254; p. 476.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resilient driving connection. No. 1,279,998; Sept. 24; v. 254; p. 807.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resilient gear-wheel. No. 1,279,999; Sept. 24; v. 254; p. 807.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Driving connection. No. 1,280,000; Sept. 24; v. 254; p. 808.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mounting for dynamo-electric machines. No. 1,284,267; Nov. 12; v. 256; p. 246.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Flexible gear-wheel. No. 1,284,268; Nov. 12; v. 256; p. 247.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resilient gear. No. 1,284,269; Nov. 12; v. 256; p. 247.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Flexible gear. No. 1,285,956; Nov. 26; v. 256; p. 751.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing. No. 1,287,656; Dec. 17; v. 257; p. 429.
Eaton, Harrison H., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-support for lasts. No. 1,264,287; Apr. 30; v. 249; p. 1034.
Eaton, Harrison H., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Nail-making machine. No. 1,285,077; Nov. 19; v. 256; p. 490.
Eaton, I. A. (See Baird, Clarence D., assignor.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. No. 1,275,879; Aug. 13; v. 253; p. 456.
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Control system for electric motors. No. 1,275,880; Aug. 13; v. 253; p. 456.
Eaton, John A., Chicago, Ill. Curtained spray and shower bath. No. 1,255,396; Feb. 5; v. 247; p. 82.
Eaton, Lucien, Ishpeming, Mich. Hoisting and dumping apparatus. No. 1,254,997; Jan. 29; v. 246; p. 1142.
Eaton, Richard M., Niagara Falls, N. Y. Motion-picture-projecting device. No. 1,286,962; Dec. 10; v. 257; p. 224.
Eaton, Thomas H., Keysport, Ill. End-gate fastener. No. 1,268,943; June 11; v. 251; p. 265.
Eaton, Warren S., Plainfield, N. J. Hydroaeroplane. No. 1,273,836; July 30; v. 252; p. 979.
Eaton, Warren S., Plainfield, N. J. Aeroplane-stabilizer. No. 1,280,195; Oct. 1; v. 255; p. 23.
Eaton, Warren S., Plainfield, N. J. Hydroaeroplane. No. 1,289,131; Dec. 31; v. 257; p. 841.
Eaton, Warren S., Plainfield, N. J. Pneumatic shock-absorber. No. 1,289,132; Dec. 31; v. 257; p. 842.
Eaton, William S., Sag Harbor, N. Y. Etching steel or other like plates. No. 1,275,408; Aug. 13; v. 253; p. 325.
Eaton, William S., Sag Harbor, N. Y., assignor to American Bank Note Company. Creating intricate, symmetrical, geometrical line designs. No. 1,261,223; Apr. 2; v. 249; p. 64.
Eaves, Edgar T., Rawlins, Wyo. Safety appliance. No. 1,279,095; Sept. 17; v. 254; p. 532.
Ebbecke, Albert, Newark, N. J. Body support or rest and head-rest therefor. No. 1,274,020; July 30; v. 252; p. 1030.
Ebbets, Florence R. (See Hait and Ebbets.)
Ebel, John, Somerville, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Bearing-indicator. No. 1,260,996; Mar. 26; v. 248; p. 979.
Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Type-writing machine. No. 1,252,890; Jan. 8; v. 246; p. 451.
Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Stenographic type-writing machine. No. 1,252,891; Jan. 8; v. 246; p. 451.
Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Stenographic type-writing machine. No. 1,264,909; May 7; v. 250; p. 10.
Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Type-writing machine. No. 1,273,338; July 23; v. 252; p. 807.
Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Stenographic type-writing machine. No. 1,280,976; Oct. 8; v. 255; p. 263.
Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Stenographic type-writing machine. No. 1,280,977; Oct. 8; v. 255; p. 263.
Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Type-writing machine. No. 1,280,978; Oct. 8; v. 255; p. 263.
Ebeling, Charles W., Wheeling, W. Va. Film-controlled mechanism for synchronized motion-picture and sound-record carriers. No. 1,254,487; Jan. 22; v. 246; p. 964.
Ebeling, Charles W., Wheeling, W. Va. Sound-reproducing machine. No. 1,261,795; Apr. 9; v. 249; p. 261.
Ebeling, Charles W., New York, N. Y. Control means for sound-reproducing machines. No. 1,255,143; Feb. 5; v. 247; p. 9.
Ebeling, Charles W., New York, N. Y. Sound-deadening universal connector. No. 1,261,794; Apr. 9; v. 249; p. 261.
Ebeling, Charles W., New York, N. Y. Variable-speed mechanism for sound and picture reproducing mechanism. No. 1,261,796; Apr. 9; v. 249; p. 261.
Ebeling, Charles W., New York, N. Y. Compensating device for hand-operated motion-picture projectors and the like. No. 1,261,797; Apr. 9; v. 249; p. 262.
Ebeling, Charles W., Elm Grove, W. Va., assignor of one-half to H. W. Rogers, New York, N. Y., and one-half to G. E. House, Wheeling, W. Va. Domestic churn. No. 1,274,021; July 30; v. 252; p. 1031.
Eber, George, San Diego, Cal. Camping attachment for automobiles. No. 1,287,924; Dec. 17; v. 257; p. 496.
Eber, George, San Diego, Cal. Side extension for camping outfits. No. 1,287,925; Dec. 17; v. 257; p. 497.
Eberhard, Emil, Zurich, Switzerland. Device for manufacturing screen-photographs for the half-tone-engraving process. No. 1,256,886; Feb. 19; v. 247; p. 596.
Eberhard Faber Pencil Company. (See Faber, Lothar W., assignor.)
Eberhardt, Henry E., assignor to Newark Gear Cutting Machine Co., Newark, N. J. Mechanical movement. No. 1,268,551; June 4; v. 251; p. 137.
Eberhardt, William C. A., Racine, Wis. Heat-distributing device. No. 1,276,886; Aug. 27; v. 253; p. 800.
Eberhart, Cleburne, Jr., and S. Mazur, Buffalo, N. Y.; said Mazur assignor to said Eberhart. Registering mechanism for liquid-tanks. No. 1,281,313; Oct. 15; v. 255; p. 387.

Alphabetical list of patentees—Continued.

Eberhart, Felix, Newark, N. J., assignor to American Can Company, New York, N. Y. Coating-machine. No. 1,266,669; May 21; v. 250; p. 557.
Eberle, Elsa, executrix. (See Eberle, Gustav.)
Eberle, Gustav, deceased; E. Eberle, executrix, Stuttgart, Germany. Preparation of amino compounds by fermentation. No. 1,254,033; Jan. 22; v. 246; p. 834.
Eberle, John A., St. Louis, Mo. Baby-pen. No. 1,260,886; Mar. 26; v. 248; p. 949.
Eberle, John A., St. Louis, Mo. Foldable bed or cradle. No. 1,266,927; May 21; v. 250; p. 628.
Eberle, John A., St. Louis, Mo. Convertible child's bed and swing. No. 1,282,554; Oct. 22; v. 255; p. 764.
Eberle, John A., St. Louis, Mo. Child's swing. No. 1,288,397; Dec. 17; v. 257; p. 610.
Eberly, Austin D., Spokane, Wash. Automatic engine starting and stopping mechanism. No. 1,287,266; Dec. 10; v. 257; p. 302.
Ebersole, Andrew, Dodge City, Kans. Animal-releaser. No. 1,256,449; Feb. 12; v. 247; p. 431.
Eberstaller, Christian, *et al.* (See Slotoroff, Abraham, assignor.)
Ebert, Otto, Cleveland, Ohio. Reamer. No. 1,273,752; July 23; v. 252; p. 917.
Ebert, William, Ellicottville, N. Y. Indicator for multiple-cylinder explosive-engines. No. 1,257,824; Feb. 26; v. 247; p. 905.
Eble, Frank J., New York, N. Y. Safety attachment for ranges. No. 1,265,183; May 7; v. 250; p. 87.
Ebner, John, assignor to F. Mayer Boot & Shoe Co., Milwaukee, Wis. Cushion-shoe. No. 1,283,704; Nov. 5; v. 256; p. 70.
Ebner, John G., and H. L. Giesman, Chicago, Ill. Game apparatus. No. 1,271,551; July 9; v. 252; p. 257.
Ebsen, William A., Montclair, N. J., assignor, by mesne assignments, to The National Oil Company. Wooden tank vessel. No. 1,276,042; Aug. 20; v. 253; p. 531.
Ebstone, Morris L., *et al.* (See Ogle, Francis M., assignor.)
Eby, Earl E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Barometric valve. No. 1,266,566; May 21; v. 250; p. 526.
Eby, Earl E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Seal. No. 1,281,917; Oct. 15; v. 255; p. 551.
Ecaubert, Frederic, Brooklyn, N. Y. Coupling. No. 1,265,889; May 14; v. 250; p. 310.
Ecaubert, Frederic, New York, N. Y. Dental-floss device. No. 1,268,944; June 11; v. 251; p. 265.
Ecaubert, Frederic, Brooklyn, N. Y. Flexible shafting. No. 1,281,918; Oct. 15; v. 255; p. 552.
Ecaubert, Frederic, Brooklyn, N. Y. Watchcase-back. No. 1,282,396; Oct. 22; v. 255; p. 721.
Ecaubert, Frederic, New York, N. Y. Collet for hairsprings. No. 1,283,705; Nov. 5; v. 256; p. 70.
Ecaubert, Frederic, Brooklyn, N. Y. Dental cleaning device. No. 1,287,926; Dec. 17; v. 257; p. 497.
Eccleston, S Spencer, Cortland, N. Y. Adjustable corset-steel fastener. No. 1,259,217; Mar. 12; v. 248; p. 405.
Eccleston, S Spencer, Cortland, N. Y. Plant-support. No. 1,286,258; Dec. 3; v. 257; p. 18.
Echlin, J. A., *et al.* (See Kaylor, William, assignor.)
Echter, Paul, New York, N. Y. Engine-starting device. No. 1,281,314; Oct. 15; v. 255; p. 388.
Eck, Theodore, and O. Cathcart, Mulvane, Kans., Watermeter. No. 1,280,689; Oct. 8; v. 255; p. 185.
Eckart, Charles F., Olaa, Territory of Hawaii. Increasing the yield of sugar-cane. No. 1,252,101; Jan. 1; v. 246; p. 194.
Eckart, Charles F., Olaa, Hawaii. Mulch for sugar-cane and the like. No. 1,274,527; Aug. 6; v. 253; p. 55.
Eckart, Charles F., Olaa, Hawaii. Impervious mulsh for regulating soil-water. No. 1,276,887; Aug. 27; v. 253; p. 800.
Eckart, Charles F., Olaa, Hawaii. Enhancing the growth of sugar-cane. No. 1,287,267; Dec. 10; v. 257; p. 303.
Eckborg, E. (See Myers, Melvin A., assignor.)
Eckel, Edwin C., assignor of two-thirds to A. C. Spencer, Washington, D. C., and one-third to A. Cox, New York, N. Y. Making cement. No. 1,255,995; Feb. 12; v. 247; p. 296.
Eckenroth, John P., Chester, Pa. Rolling-mill for nding angle or channel irons into different angles. No. 1,267,194; May 21; v. 250; p. 704.
Ecker, Walter, assignor of one-half to P. H. Carlson, Middletown, Conn. Tool-holder and guide combination. No. 1,253,799; Jan. 15; v. 246; p. 747.
Eckerson, Albert W., Portland, Oreg. Plate-lifting clamp. No. 1,266,233; May 14; v. 250; p. 406.
Eckert, Edwin T. M., Oakland, Cal. Automobile-locking device. No. 1,280,690; Oct. 8; v. 255; p. 186.
Eckert, Frank J., Loretto, Nebr. Lock for engine-starting cranks. No. 1,258,323; Mar. 5; v. 248; p. 108.
Eckert, Frederick F., Ragersville, Ohio. Rail-spike. No. 1,251,488; Jan. 1; v. 246; p. 11.
Eckert, Frederick F., Ragersville, Ohio. Grooming implement. No. 1,285,957; Nov. 26; v. 256; p. 751.
Eckert, Joseph, assignor to The Dayton Manufacturing Company, Dayton, Ohio. Car-brake handle. No. 1,276,337; Aug. 20; v. 253; p. 613.
Eckert, Joseph, and J. Kirby, Jr., assignors to The Dayton Manufacturing Company, Dayton, Ohio. Shaft-operating mechanism. No. 1,266,234; May 14; v. 250; p. 406.
Eckert, Joseph, and J. Kirby, Jr., assignors to The Dayton Manufacturing Company, Dayton, Ohio. Car-brake-operating mechanism. No. 1,266,235; May 14; v. 250; p. 407.
Eckert, Joseph, and J. Kirby, Jr., assignors to The Dayton Manufacturing Company, Dayton, Ohio. Brake-actuating mechanism. No. 1,266,236; May 14; v. 250; p. 407.
Eckert, Louis V., and J. F. Burke, assignors of one-third to T. H. Burke, Chillicothe, Mo. Mail-bag receiving and delivering apparatus. No. 1,284,185; Nov. 5; v. 256; p. 197.
Eckfeldt, Frederick W., Norristown, assignor to John T. Lewis & Bros. Company, Philadelphia, Pa. Removable closure for containers. No. 1,270,236; June 18; v. 251; p. 650.
Eckford, William, Rhyl, Wales. Multiple bullet-mold. No. 1,285,958; Nov. 26; v. 256; p. 751.
Eckhart, Daniel, North Bend, Nebr. Fastener. No. 1,252,892; Jan. 8; v. 246; p. 452.
Ecklebarger, Zena, Goshen, Ind. Tone-arm. No. 1,269,266; June 11; v. 251; p. 356.
Eckman, Florence M. (See Bennett, Louis B., assignor.)
Eckman, John W., Decatur, Ill. Swimming-glove. No. 1,275,005; Aug. 6; v. 253; p. 188.
Eckmann, Aron, assignor to Schweiz. Serum- und Impfinstitut, Berne, Switzerland. Liberating a gaseous disinfectant. No. 1,279,524; Sept. 24; v. 254; p. 671.
Eckmann, Siegmund. (See Peck and Eckmann.)
Eckre, Olof A., Kindred, N. D. Spring-wheel. No. 1,259,004; Mar. 12; v. 248; p. 346.
Eckre, Olof A., Kindred, N. D. Resilient tire. No. 1,278,447; Sept. 10; v. 254; p. 325.
Eckstein, Albert. (See Stickdorn, Robert, assignor.)
Eclipse Gas Stove Company. (See Green, Michael J., assignor.)
Eclipse Interchangeable Counterbore Co. (See Gairing, Emil, assignor.)
Eclipse Machine Company. (See Bendix and Ellett.)
Eclipse Machine Company. (See Bendix and Van Ness, assignors.)
Eclipse Machine Company. (See Brace, Elmer A., assignor.)
Eclipse Machine Company. (See McDermott and Kennington, assignors.)
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Machine Company. (See Van Ness, Henry E., assignor.)
Eclipse Phonograph Corporation. (See Selah, Howard A., assignor.)
Eclipse Scaffolding Company. (See Whitney, Egbert, assignor.)
Econometer Company. (See Gebhart, John C., assignor.)
Economic Machinery Company. (See Ekvall and Stake, assignors.)
Economic Machinery Company. (See Stake, Herman, assignor.)
Economic Machinery Company. (See Stake and Ekvall, assignors.)
Economy Bag Closing Company. (See Weis, John P., assignor.)
Economy Devices Corporation. (See Ball, Herman F., assignor.)
Economy Devices Corporation. (See Muhlfeld and Clendon, assignors.)
Economy Folding Box Co., The. (See Houghland, Frank H., assignor.)
Economy Fuse & Manufacturing Company. (See Eustice, Alfred L., assignor.)
Economy Fuse and Manufacturing Company. (See Horton, Bryson D., assignor.)
Economy Seat Company. (See Bennett, John, Jr., assignor.)
Economy Welding Machine Company. (See McGee, Arthur C., assignor.)
Eddy, Boughton U., and C. C. Abbott, Pittsfield, Mass., assignors to General Electric Company. Wire-rolling machine. No. 1,260,526; Mar. 26; v. 248; p. 847.
Eddy, George A., Cleveland, Ohio. Safety device for printing-presses. No. 1,268,552; June 4; v. 251; p. 137.
Eddy, George B., Chicago, Ill. Tube-cutting apparatus. No. 1,258,663; Mar. 12; v. 248; p. 248.
Eddy, Herbert G. (See Lundell and Eddy.)
Eddy, Kenneth L., Chicago, Ill., assignor, by mesne assignments, to Automatic Utilities Co. Loose-leaf device. No. 1,256,450; Feb. 12; v. 247; p. 432.
Eddy, Kenneth L., Chicago, Ill., assignor, by mesne assignments, to Automatic Utilities Co. Loose-leaf device. No. 1,276,503; Aug. 20; v. 253; p. 660.
Eddy, Nelson M. (See Ochsner, Hans L., assignor.)
Eddy, Schuyler C., Kalamazoo, Mich. Demountable rim. No. 1,266,003; May 14; v. 250; p. 342.
Eddy, Thomas R., Chicago, Ill., assignor of one-half to J. Silberman, New York, N. Y. Temporary binder. No. 1,289,133; Dec. 31; v. 257; p. 842.
Edeborg, Albert W., Jamestown, N. Y. Grip-chain for tires. No. 1,260,350; Mar. 26; v. 248; p. 795.

Edelen, Charles, Bardstown, Ky. Demountable rim. No. 1,270,130; June 18; v. 251; p. 622.
Edelson, Harry, assignor to Regal Button Works, Inc., Philadelphia, Pa. Snap-fastening for garments, &c. No. 1,253,016; Jan. 8; v. 246; p. 491.
Edelstein, Walter. (See Beck, Joseph, assignor.)
Eden, Henry. (See Dixon and Eden.)
Eden, James A., Jr., assignor, by mesne assignments, to J. Oakley, Springfield, Mass. Broach. No. 1,275,006; Aug. 6; v. 253; p. 188.
Eden, James A., Jr., Springfield, Mass., assignor to Baush Machine Tool Company. Drill-machine. No. 1,285,651; Nov. 26; v. 256; p. 674.
Edens, Myrtle J., Hillsboro, Tex. Adjustable window shade and curtain hanger. No. 1,289,134; Dec. 31; v. 257; p. 842.
Edgar Allen American Manganese Steel Company. (See Exton, Alfred H., assignor.)
Edgar, Andrew C., Newtown Square, Pa. Steam and hot-water boiler furnace. No. 1,261,370; Apr. 2; v. 249; p. 108.
Edgar, Andrew C., Newtown Square, Pa. Valve mechanism for bibs and faucets. No. 1,284,076; Nov. 5; v. 256; p. 169.
Edgar, Carl, Cord, Oreg. Trap. No. 1,264,033; Apr. 23; v. 249; p. 931.
Edgar, Charles E., Kansas City, Mo. Engine-stop. No. 1,287,927; Dec. 17; v. 257; p. 497.
Edgar, Grant E., New London, Conn., assignor to Electric Boat Company. Storage-battery installation. No. 1,275,007; Aug. 6; v. 253; p. 189.
Edgar, Linden E., and W. W. Richards, Wilmington, Del. Latch. No. 1,256,992; Feb. 19; v. 247; p. 628.
Edgar Zinc Company. (See Whipple and Baldwin, assignors.)
Edgecomb, Henry R., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Measuring instrument. No. 1,270,800; July 2; v. 252; p. 12.
Edgecomb, Henry R., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gaging-machine. No. 1,274,698; Aug. 6; v. 253; p. 102.
Edgecomb, Henry R., St. Marys, Pa., assignor to Speer Carbon Company. Electrode for arc-lamps. No. 1,272,401; July 16; v. 252; p. 523.
Edgecombe, Edward F., Jr., La Grange, Ill. Metering-panel. No. 1,276,043; Aug. 20; v. 253; p. 532.
Edgerton, Charles, Philadelphia, Pa. Apparatus for extracting grease and oil from garbage. No. 1,260,887; Mar. 26; v. 248; p. 949.
Edgerton, Roy G., Suffolk, Va. Internal-combustion-engine-testing device. No. 1,257,468; Feb. 26; v. 247; p. 800.
Edie, Fred N., Manistee, Mich. Adjustable jewel or gem set. No. 1,263,539; Apr. 23; v. 249; p. 797.
Edie, John B., Pittsburgh, Pa. Resilient tip for crutches. No. 1,286,963; Dec. 10; v. 257; p. 224.
Edison Storage Battery Company. (See Edison, Thomas A., assignor.)
Edison Storage Battery Company. (See Hutchison, Miller R., assignor.)
Edison Storage Battery Company. (See Hutchison and Norton, assignors.)
Edison Storage Battery Company. (See Kammerhoff, Henrich, H. M., assignor.)
Edison, Thomas A., West Orange, N. J. Starting and current-supplying system for automobiles. No. 1,255,517; Feb. 5; v. 247; p. 116.
Edison, Thomas A., Llewellyn Park, West Orange, N. J. Para-phenylene-di-amin substance and process relating thereto. No. 1,283,706; Nov. 5; v. 256; p. 70.
Edison, Thomas A., Llewellyn Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Making screens for projection. No. 1,266,778; May 21; v. 250; p. 587.
Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, West Orange, N. J. Electric safety-lantern. No. 1,266,779; May 21; v. 250; p. 587.
Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, West Orange, N. J. Storage battery. No. 1,266,780; May 21; v. 250; p. 587.
Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, West Orange, N. J. Production of finely-divided metals. No. 1,275,232; Aug. 13; v. 253; p. 276.
Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Means for recording sounds. No. 1,286,259; Dec. 3; v. 257; p. 18.
Edman Car Door Company. (See Edman, John, assignor.)
Edman, John, assignor to Edman Car Door Company, Minneapolis, Minn. Grain-door for cars. No. 1,261,108; Apr. 2; v. 249; p. 34.
Edminster, Llewellyn D. (See Dow and Edminster.)
Edmon, Elmer A. (See Christie and Edmon.)
Edmonds, John P., Scottsboro, Ala. Float or signal-buoy for sunken vessels. No. 1,269,798; June 18; v. 251; p. 534.
Edmonds, Richard W., Atlanta, Ga. Spout. No. 1,265,759; May 14; v. 250; p. 273.
Edmonds, Samuel P., Catonsville, Md. Life-preserver. No. 1,272,336; July 9; v. 252; p. 478.
Edmonds, Sterling O., Eagleville, Tenn. Traction attachment for motor-vehicles. No. 1,266,781; May 21; v. 250; p. 588.
Edmondson, Ellis G., assignor to The American Pad & Textile Company, Greenfield, Ohio. Pad-stuffing machine. No. 1,272,027; July 9; v. 252; p. 391.
Edmonston, Gabriel. (See Speer, Elmer E., assignor.)
Edmonston, George W., Plattenville, La. Antirattler. No. 1,281,769; Oct. 15; v. 255; p. 510.
Edmunds and Jones Corporation. (See Godley, Charles E., assignor.)
Edmunds & Jones Corporation. (See Knauff, George C., assignor.)
Edmunds, Simeon G., Bluestem, Wash. Spring-separator. No. 1,269,799; June 18; v. 251; p. 534.
Edmunds, William H., Leesburg, Va. Spring suspension for vehicles. No. 1,263,388; Apr. 23; v. 249; p. 754.
Edmundson, Christian, Tientsin, China. Electric-light attachment for pens or pencils. No. 1,274,022; July 30; v. 252; p. 1032.
Edrington, Hiram, Turners Station, Ky. Car-fender. No. 1,252,558; Jan. 8; v. 246; p. 358.
Edsall, William H., Wallingford, Conn., assignor to H. L. Judd Company, New York, N. Y. Flagstaff-holder. No. 1,278,318; Sept. 10; v. 254; p. 293.
Edstrom, Otto E., Oakland, assignor to Rapid Remountable Rim Company, San Francisco, Cal. Detachable wheel-rim. No. 1,286,173; Nov. 26; v. 256; p. 804.
Educational Motion Picture Machine and Film Company. (See O'Hara, Joseph G. R., assignor.)
Educational Novelty Company, The. (See Robertson, William H., assignor.)
Educo Company. (See Calder, George, assignor.)
Educo Company, The. (See Gauntt, Newton C., assignor.)
Edward F. Caldwell & Company. (See Tizley, Arthur J., assignor.)
Edward G. Budd Manufacturing Company, The. (See Budd, Edward G., assignor.)
Edward G. Budd Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Edward G. Budd Manufacturing Company. (See Weaver, Clayton B., assignor.)
Edward Katzinger Co. (See Katzinger, Sidney C., assignor.)
Edwards, Albert Y., assignor to The Foos Gas Engine Company, Springfield, Ohio. Gas-engine. No. 1,257,469; Feb. 26; v. 247; p. 800.
Edwards, Alfred K. (See Whitney and Edwards.)
Edwards, Alrah B., and F. A. Feiereisel, Chicago, Ill., assignors to Shortwriter Company, Wilmington, Del. Writing-machine. No. 1,266,237; May 14; v. 250; p. 408.
Edwards, Amos, *et al.* (See Van Meeteren, Harry W., assignor.)
Edwards, Bruce V., Newark, N. J., assignor to Edwards Engineering and Manufacturing Company. Machine for molding plastic material into blocks or bodies. No. 1,271,552; July 9; v. 252; p. 257.
Edwards, Bruce V., assignor, by mesne assignments, to Bennett & White, Newark, N. J. Note-sheet-perforating machine. No. 1,280,691; Oct. 8; v. 255; p. 186.
Edwards, Charles H., Saginaw, Mich. Roll-holder. No. 1,269,411; June 11; v. 251; p. 395.
Edwards, Charles R., Houston, Tex. Motor. No. 1,287,268; Dec. 10; v. 257; p. 303.
Edwards, Charles S., Princeville, Oreg. Pliers. No. 1,266,567; May 21; v. 250; p. 526.
Edwards & Co. (See Miller, Christian, assignor.)
Edwards Corporation of Jackson. (See Buch, Max, assignor.)
Edwards, Edward R., Jersey City, N. J. Sash-retainer. No. 1,254,891; Jan. 29; v. 246; p. 1114.
Edwards, Elliott D. (See Edwards, Frederick W. and E. D.)
Edwards Engineering and Manufacturing Company. (See Edwards, Bruce V., assignor.)
Edwards, Eugene P., Plainfield, N. J. Universal joint. No. 1,278,889; Sept. 17; v. 254; p. 476.
Edwards, Evan A., Prescott, Ariz. Burner. No. 1,275,881; Aug. 13; v. 253; p. 457.
Edwards, Frank W., assignor to The Ohio Injector Company of Illinois, Chicago, Ill. Protector for water-gages. No. 1,272,640; July 16; v. 252; p. 590.
Edwards, Frederick W. and E. D., Sydney, New South Wales, Australia. Spring for road-vehicles. No. 1,269,800; June 18; v. 251; p. 535.
Edwards, Frederick W. and E. D., Sydney, New South Wales, Australia. Vehicle suspension device. No. 1,269,801; June 18; v. 251; p. 535.
Edwards, Gladys M., Douglas, Ariz. Theft-alarm. No. 1,266,568; May 21; v. 250; p. 527.
Edwards, Gomer W., Johnstown, Pa. Can-opener. No. 1,265,760; May 14; v. 250; p. 273.
Edwards, Henry E. (See Buch, Max A., assignor.)
Edwards, James M., assignor to Associated Manufacturers Company, Waterloo, Iowa. Ignition device. No. 1,289,135; Dec. 31; v. 257; p. 842.
Edwards, Jennie L., Valley, Wash. Corset-retainer and hose-supporter. No. 1,276,504; Aug. 20; v. 253; p. 661.

Edwards, Joseph B., Jersey City, assignor of one-fourth to Tide Water Oil Company, Bayonne, N. J. Oil-distilling apparatus. No. 1,277,884; Sept. 3; v. 254; p. 153.
Edwards, Leon W., Forest City, Pa. Automatic cut-off for gas-burners. No. 1,254,586; Jan. 22; v. 246; p. 992.
Edwards, Levi T., Philadelphia, Pa. Air-lift pump. No. 1,276,505; Aug. 20; v. 253; p. 661.
Edwards, Levi T., Penfield, Pa. Air-lift pump. No. 1,276,506; Aug. 20; v. 253; p. 661.
Edwards, Nora C., Buffalo, N. Y. Garment-fastener. No. 1,279,525; Sept. 24; v. 254; p. 671.
Edwards, Oliver M. (See Axe, Roy T., assignor.)
Edwards, Oliver M. (See Ohnstrand, Enoch, assignor.)
Edwards, Oliver M. (See Stuck, Everett, assignor.)
Edwards, Oliver M., Syracuse, N. Y. Window and sash therefor. No. 1,270,607; June 25; v. 251; p. 779.
Edwards & Powell Co. (See Powell, George C., assignor.)
Edwards, Reuben J., Waterbury, Vt. Scythe-snathe fastening. No. 1,260,351; Mar. 26; v. 248; p. 795.
Edwards, Russell P., Highland Park, Mich. Wheeled toy. No. 1,261,798; Apr. 9; v. 249; p. 262.
Edwards, Thomas J. (See Osgood, Walter P., assignor.)
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for controlling the operation of shears. No. 1,259,968; Mar. 19; v. 248; p. 654.
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Roll for rolling-mills. No. 1,259,969; Mar. 19; v. 248; p. 654.
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill. No. 1,278,616; Sept. 10; v. 254; p. 373.
Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill. No. 1,278,617; Sept. 10; v. 254; p. 373.
Edwards, William C., Jr., Kansas City, Mo. Metal clip for supporting plaster-boards. No. 1,277,397; Sept. 3; v. 254; p. 18.
Edwards, William E., Brooklyn, N. Y. Button. No. 1,273,160; July 23; v. 252; p. 761.
Edwards, William H. (See Proudfit and Edwards.)
Edwards, William H., Grand Rapids, Mich. Loose-leaf binder. No. 1,256,668; Feb. 19; v. 247; p. 531.
Edwards, William H., Grand Rapids, Mich. Loose-leaf book. No. 1,270,713; June 25; v. 251; p. 806.
Edwards, William H., Des Moines, assignor of one-half to G. H. Neiswanger, Lorimor, Iowa. Water-heater. No. 1,273,161; July 23; v. 252; p. 761.
Edwards, William H., assignor to The Proudfit Loose Leaf Company, Grand Rapids, Mich. Casing for loose-leaf binders. No. 1,288,537; Dec. 24; v. 257; p. 673.
Edwardsen, Carl J., Stratford, S. D. Renewal-point for worn plowshares. No. 1,280,196; Oct. 1; v. 255; p. 23.
Edwardy, Frederick W., Savannah, Ga. Egg-carrier. No. 1,267,346; May 21; v. 250; p. 744.
Edwin, Emil. (See Westberg and Edwin.)
Edwin, Emil, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Treatment of gases in electric furnaces. No. 1,263,389; Apr. 23; v. 249; p. 754.
Edwin, Emil, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Treatment of gases in electric furnaces. No. 1,263,390; Apr. 23; v. 249; p. 754.
Edye, Cecil H. A. (See Heyermans, Charles L., assignor.)
Eelhart, Bernard, Holland, Mich. Heat-disseminator. No. 1,273,753; July 23; v. 252; p. 917.
Efficiency Electric Company, The. (See Wayman, Albert J., assignor.)
Effrig, Anthony F., Perkasie, Pa. Drinking-fountain. No. 1,270,504; June 25; v. 251; p. 751.
Egan, Florenz M., Mount Vernon, N. Y. Lighting-fixture. No. 1,270,932; July 2; v. 252; p. 51.
Egan, George F. (See Stern and Egan.)
Egan, James, Chicago, Ill. Wrecking-truck. No. 1,266,238; May 14; v. 250; p. 408.
Egan, James, Chicago, Ill., assignor to Egan Wrecking Truck Company. Wrecking-truck. (Reissue.) No. 14,506; Aug. 20; v. 253; p. 714.
Egan, James A., East Onondaga, N. Y. Flush-closet tank. No. 1,265,890; May 14; v. 250; p. 310.
Egan, William P., and J. J. Sheehan, Lynn, Mass. Apparatus for treating coated fabrics. No. 1,268,941; June 11; v. 251; p. 264.
Egan Wrecking Truck Company. (See Egan, James, assignor.) (Reissue.)
Egenes, Alexander, Lower Rochester, Nev. Submarine-chaser. No. 1,258,324; Mar. 5; v. 248; p. 109.
Egerton, Henry C., Passaic, N. J. Stiffened rubber shoe-sole. No. 1,282,397; Oct. 22; v. 255; p. 722.
Egerton, Henry C., Ridgewood, N. J. Rubber shoe-sole with interlocking stiffener member. No. 1,282,398; Oct. 22; v. 255; p. 722.
Egerton, Henry C., Ridgewood, N. J. Shoe. No. 1,282,399; Oct. 22; v. 255; p. 722.
Egerton, Henry C., Ridgewood, N. J. Interchangeable reinforced shoe-sole. No. 1,282,400; Oct. 22; v. 255; p. 722.
Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic switching device. No. 1,272,402; July 16; v. 252; p. 523.
Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,272,641; July 16; v. 252; p. 590.
Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, New York, N. Y. Telephonic recording and reproducing apparatus. No. 1,284,623; Nov. 12; v. 256; p. 336.
Egg, Rudolf, Zurich, Switzerland. Worm-gear. No. 1,262,932; Apr. 16; v. 249; p. 606.
Egge, Otto H. (See Adams and Egge.)
Eggers, Mary J., administratrix. (See Eggers, William J.)
Eggers, William J., deceased, Brooklyn, N. Y.; M. J. Eggers, administratrix. Nipple for nursing-bottles. No. 1,289,706; Dec. 31; v. 257; p. 984.
Eggleston, C. P., *et al.* (See Brown, Marvin H., assignor.)
Eggleston, Robert N., assignor to Pull-U-Out Sales Co., St. Louis, Mo. Portable crane. No. 1,266,569; May 21; v. 250; p. 527.
Eggleston, Robert N., assignor to Syndicate Scales Company, St. Louis, Mo. Butter-merging machine. No. 1,279,306; Sept. 17; v. 254; p. 588.
Eggleston, Spencer G. (See Reins and Eggleston.)
Egly, Georg, Berlin-Treptow, assignor to Gebrueder Siemens & Co., Berlin-Lichtenberg, Germany. Resistance-body. No. 1,267,641; May 28; v. 250; p. 854.
Egly, Georg, Berlin-Treptow, assignor to Gebr. Siemens & Co., Lichtenberg, near Berlin, Germany. Regulating resistance. No. 1,267,642; May 28; v. 250; p. 854.
Egry Register Company, The. (See Malm, Axel C. V., assignor.)
Egy, John, Parker, Kans. Tire. No. 1,258,204; Mar. 5; v. 248; p. 74.
Ehlers, Richard, assignor to A. A. Barkey, Seattle, Wash. Air-supply device for explosive-engines. No. 1,273,837; July 30; v. 252; p. 979.
Ehmcke, George H. F., Fremont, Nebr. Lawn-trimmer. No. 1,252,675; Jan. 8; v. 246; p. 391.
Ehmke, Wilhelm, Milwaukee, Wis. Cooling-coil for refrigerator-boxes. No. 1,273,162; July 23; v. 252; p 761.
Ehrenberg, Elmer F., Creighton, Nebr. Sign. No. 1,284,624; Nov. 12; v. 256; p. 336.
Ehrenhardt, Otto C., and A. Berent, Buffalo, N. Y. Game. No. 1,265,761; May 14; v. 250; p. 273.
Ehrentraut, Charles F., Pittsburgh, Pa. Outage-gage. No. 1,275,409; Aug. 13; v. 253; p. 325.
Ehrgott, Roberts E., Chicago, Ill. Dirigible motor-vehicle headlight. No. 1,267,994; May 28; v. 250; p. 953.
Ehrhardt, Ernest F., and H. W. Edgbaston, Birmingham, England. Azo dye and making. No. 1,281,243; Oct. 8; v. 255; p. 338.
Ehrhardt, Frederick H., Wichita, Kans. Combined book and hat holder. No. 1,268,701; June 4; v. 251; p. 178.
Ehrhardt, George, assignor of one-third to M. J. Silva, Sacramento, Cal. Door or window securer. No. 1,255,996; Feb. 12; v. 247; p. 297.
Ehrhardt, Herbert W. (See Ehrhardt, Ernest F. and H. W.)
Ehrhardt, Pierre, Paris, France. Means for the application of solid pharmaceutical preparations or products. No. 1,264,781; Apr. 30; v. 249; p. 1169.
Ehrhardt & Sehmer, Gesellschaft mit beschränkter Haftung. (See Drawe, Rudolf, assignor.)
Ehrhart, Raymond N., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Barometric condenser. No. 1,255,518; Feb. 5; v. 247; p. 117.
Ehrhart, Raymond N., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condensing apparatus. No. 1,284,270; Nov. 12; v. 256; p. 247.
Ehrhart, Raymond N., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Means for withdrawing non-condensable vapors from condensers. No. 1,284,271; Nov. 12; v. 256; p. 247.
Ehrich, Edward E., Indianapolis, Ind. Apparatus for drying gasolene-cleaned garments. No. 1,256,887; Feb. 19; v. 247; p. 596.
Ehrlich, Charles H. (See Krantz, Edward, assignor.)
Ehrlich, John D., Berwick, La. Protection of vessels against torpedoes and mines. No. 1,253,017; Jan. 8; v. 246; p. 491.
Ehrlich, Joseph G., Cleveland, Ohio. Toy. No. 1,274,023; July 30; v. 252; p. 1032.
Ehrlich, William, assignor to Case & Martin Company, Chicago, Ill. Baker's oven. No. 1,277,885; Sept. 3; v. 254; p. 153.
Ehrmann, George B., Troy, N. Y. Collar-shaping machine. No. 1,257,685; Feb. 26; v. 247; p. 863.
Eibye, Carl. (See Huntress and Eibye.)
Eibye, Carl, East Boston, Mass. Gage. No. 1,278,890; Sept. 17; v. 254; p. 476.
Eibye, Carl, Dorchester, assignor to Wiltbonco Manufacturing Company, Jamaica Plain, Mass. Water-gage. No. 1,267,643; May 28; v. 250; p. 854.
Eichbaum, Herman W., Venice, Cal. Dynamo-electric machine. No. 1,275,665; Aug. 13; v. 253; p. 396.
Eichelberger, Christian, Shickley, Nebr. Auto lifting-jack and tire-saver. No. 1,269,267; June 11; v. 251; p. 356.

Eichelberger, Harvey A. and J. D., St. Louis, Mo. Laundry device. No. 1,286,565; Dec. 3; v. 257; p. 94.
Eichelberger, John D. (See Eichelberger, Harvey A. and J. D.)
Eichengreen, Meyer H., *et al.* (See Snyder, Theodore J., assignor.)
Eichhorn, J. Chas., *et al.*, trustees. (See Schleusselburg, George, assignor.)
Eichner, Herman. (See Palhegyi and Eichner.)
Eichner, John, Van Meter, Iowa. Adjusting and locking device for automobile-chains. No. 1,256,538; Feb. 19; v. 247; p. 493.
Eickemeyer, Rudolf, Yonkers, N. Y. Ornamental aquarium. No. 1,263,391; Apr. 23; v. 249; p. 754.
Eickhoff, William, Natoma, Kans. Mechanical movement. No. 1,288,851; Dec. 24; v. 257; p. 748.
Eid, Jacob E., Flaming, Minn. Concrete-mold. No. 1,274,252; July 30; v. 252; p. 1096.
Eidlitz, Charles L., New York, N. Y. Mount for posters. No. 1,256,993; Feb. 19; v. 247; p. 628.
Eidson, Charles G., Anniston, Ala., T. Davis, Detroit, Mich., and D. E. Crouse, Auburn, N. Y., assignors, by mesne assignments, to The John Ford Starter Company. Pneumatic starting device for internal-combustion engines. (Reissue.) No. 14,466; May 7; v. 250; p. 230.
Eigen, Benno vom, Newark, N. J., assignor to August Goertz & Co. Bag-frame and hinge member therefor. No. 1,262,288; Apr. 9; v. 249; p. 395.
Eighmie, George D., New York, N. Y. Four-wheel drive for automobiles and other vehicles. No. 1,273,339; July 23; v. 252; p. 807.
Eikenberry, Abram W., Flora, Ind. Fence-guard. No. 1,278,618; Sept. 10; v. 254; p. 373.
Eiland, William W., Fowler, Cal. Folding canopy-support. No. 1,262,471; Apr. 9; v. 249; p. 446.
Eilers, Thomas D., Storm Lake, Iowa. Combined dining and service table. No. 1,285,078; Nov. 19; v. 256; p. 491.
Eilersgaard, Asger, assignor to Link-Belt Company, Chicago, Ill. Clam-shell excavator. No. 1,269,802; June 18; v. 251; p. 535.
Eimer, Walter R., New York, N. Y. Stencil-mount. No. 1,265,632; May 7; v. 250; p. 206.
Eimer, William, New York, N. Y. Bullet-proof garment. No. 1,268,223; June 4; v. 251; p. 44.
Einsel, Ephraim D. (See Christopher, Keith, Allsteadt, Einsel, and Pelander.)
Einsfeld, Andrew, San Francisco, Cal. Duplex mop. No. 1,271,870; July 9; v. 252; p. 344.
Einstein, Sol. (See Hazelton and Einstein.)
Einung, Henry, Jasper, Minn. Attachment for Ford automobiles. No. 1,271,871; July 9; v. 252; p. 344.
Eirich, Joseph. (See Eirich, Ludwig and J.)
Eirich, Ludwig and J., assignors to Maschinenfabrik Gustav Eirich, Hardheim, Germany. Measuring and conveying device for concrete and other material. No. 1,268,553; June 4. v. 251; p. 137.
Eisemann Magneto Co. (See Andrew, Frederick W., assignor.)
Eisenbeiss, William J., Chicago, Ill. Non-alcoholic carbonated beverage. No. 1,262,472; Apr. 9; v. 249; p. 446.
Eisenhardt, William J., Baltimore, Md. Straw-dispenser. No. 1,276,338; Aug. 20; v. 253; p. 613.
Eisenhart, Lyle C. (See Lewis and Eisenhart.)
Eisenhut, Frank J., Woodhaven, N. Y. Telephone-support. No. 1,274,150; July 30; v. 252; p. 1067.
Eitapenc, Fredrick, Binghamton, N. Y. Cas cut-off for buildings. No. 1,270,389; June 25; v. 251; p. 719.
Eitel, Heinrich, Dusseldorf, Germany, assignor to "Fenestra" Fabrik für Eisenhochbau G. m. b. H., Dusseldorf-Obercassel, Germany. Iron window. No. 1,254,998; Jan. 29; v. 246; p. 1142.
Ek, Emil, Portland, Me., assignor to Spring Valley Wood Products Corporation, Spring Valley, N. Y. Portable bowling-alley. No. 1,283,707; Nov. 5; v. 256; p. 70.
Ek, Nels G., Minneapolis, Minn. Threshing-machine. No. 1,257,592; Feb. 26; v. 247; p. 837.
Ekblom, Exel, assignor of one-half to A. C. Valogne, London, England. Boat raising and lowering gear. No. 1,255,301; Feb. 5; v. 247; p. 53.
Ekeley, John B., and W. B. Stoddard, Boulder, Colo. Obtaining tungstates. No. 1,255,144; Feb. 5; v. 247; p. 9.
Ekern, Emil A. (See Ekern, Helmer O., W. L., and E. A.)
Ekern, Helmer O., W. L., and E. A., Flandreau, S. D. Drive-shaft-tube support. No. 1,254,488; Jan. 22; v. 246; p. 964.
Ekern, Willie L. (See Ekern, Helmer O., W. L., and E. A.)
Ekliff, Frederick S., Detroit, Mich. Antirattling device. No. 1,265,311; May 7; v. 250; p. 120.
Eklund, Alexander, assignor to Bliss Bros. Co., Attleboro, Mass. Bracelet. No. 1,279,852; Sept. 24; v. 254; p. 766.
Eklund, Axel E., Brooklyn, N. Y. Carbureter. No. 1,285,652; Nov. 26; v. 256; p. 674.
Eklund, Axel G., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Buckle. No. 1,273,340; July 23; v. 252; p. 807.
Eklund, Elmer A., Spencer, S. D. Rotary valve for internal-combustion engines. No. 1,286,260; Dec. 3; v. 257; p. 18.
Eklund, Stone E., assignor to The Toledo Scale Company, Toledo, Ohio. Scale. No. 1,270,801; July 2; v. 252; p. 13.
Eklund, Walfrid S., Donner, La. Means for steering boats. No. 1,257,825; Feb. 26; v. 247; p. 905.
Eklundh, John G. G. (See Oden and Eklundh.)
Eklundh, John G. G., Columbus, Ohio. Teat-cup claw for milking apparatus. No. 1,263,347; Apr. 16; v. 249; p. 721.
Eklundh, John G. G., and C. Oden, Columbus, Ohio, assignors to The Universal Milking Machine Company. Teat-cup for milking apparatus. No. 1,285,079; Nov. 19; v. 256; p. 491.
Ekman, Ernst, assignor of one-half to E. H. Carlson, Chicago, Ill. Theater-seat hat-rack. No. 1,255,720; Feb. 5; v. 247; p. 175.
Ekvall, Arvid P., and H. Stake, assignors to Economic Machinery Company, Worcester, Mass. Can-labeling machine. No. 1,268,442; June 4; v. 251; p. 106.
Ekvall, Arvid P., and H. Stake, assignors to Economic Machinery Company, Worcester, Mass. Feed-spacer mechanism for can-labeling machines. No. 1,281,315; Oct. 15; v. 255; p. 388.
Ekvall, Arvid P. (See Stake and Ekvall.)
Ekvall, Carl O., Brooklyn, N. Y. Window-envelop. No. 1,256,539; Feb. 19; v. 247; p. 493.
Ekvall, Carl O., assignor to General Paper Goods Manufacturing Co., New York, N. Y. Envelop-machine. No. 1,254,666; Jan. 29; v. 246; p. 1043.
Elam, William E., Washington, D. C. Shoe-blacking device. (Reissue.) No. 14,484; June 11; v. 251; p. 440.
Elbertz, Frank V., Detroit, Mich. Differential mechanism. No. 1,282,782; Oct. 29; v. 255; p. 854.
Elbertz, Frank V., assignor of one-third to B. F. Everitt and one-third to E. R. Evans, Detroit, Mich. Differential mechanism. No. 1,282,783; Oct. 29; v. 255; p. 854.
Elder, Donald, Onehunga, New Zealand, assignor, by mesne assignments, to Automatic Irrigating Machinery Corporation. Automatic starting and stopping mechanism for irrigation systems. No. 1,272,404; July 16; v. 252; p. 523.
Elder, Joseph H., Avery, Tex. Prescription-filing machine. No. 1,275,008; Aug. 6; v. 253; p. 189.
Elder, Leonard G. (See Garnett, Thomas W., assignor.)
Elder, Robert, La Grange, assignor to Fairbanks, Morse & Company, Chicago, Ill. Material-handling apparatus. No. 1,285,080; Nov. 19; v. 256; p. 492.
Elderkin, James K., Jr., Newark, N. J., assignor, by mesne assignments, to D. J. Newland, Yonkers, N. Y. Synchronous electric motor. No. 1,255,721; Feb. 5; v. 247; p. 176.
Elderkin, James K., Jr., Denver, Colo., assignor, by mesne assignments, to D. J. Newland, Yonkers, N. Y. Controlling-switch for synchronous motors, rotary converters, and synchronous rectifiers. No. 1,262,187; Apr. 9; v. 249; p. 368.
Eldridge, Ernest G., Alhambra, Cal. Indexing mechanism for permutation-locks. No. 1,254,783; Jan. 29; v. 246; p. 1081.
Electric Auto-Lite Corporation. (See Post and Des Jardins, assignors.)
Electric Boat Company. (See Anderson, John W., assignor.)
Electric Boat Company. (See Cady, Herbert B., assignor.)
Electric Boat Company. (See Davison, Gregory C., assignor.)
Electric Boat Company. (See Davison and Anderson, assignors.)
Electric Boat Company. (See De Graw, Herold M., assignor.)
Electric Boat Company. (See Edgar, Grant E., assignor.)
Electric Boat Company. (See Spear, Lawrence Y., assignor.)
Electric Controller & Manufacturing Company, The. (See Eastwood, Arthur C., assignor.)
Electric Controller & Manufacturing Company. The. (See Hall, Jay H., assignor.)
Electric Controller & Manufacturing Company, The. (See Spurr, Edgar A., assignor.)
Electric Controller & Manufacturing Company, The. (See Stratton, Harry F., assignor.)
Electric Controller & Manufacturing Company, The. (See Wright, David C., assignor.)
Electric Controller & Manufacturing Company, The. (See Wright, Reuben I., assignor.)
Electric Cushioned Armor Company *et al.* (See Hough, Samuel, assignor.)
Electric Fruit Marking Co. (See Ahlburg, Frank, assignor.)
Electric Fruit Marking Co. (See Smith, Kingsley L., assignor.)
Electric Furnace Company, The. (See Baily, Thaddeus F., assignor.)
Electric Furnace Company, The. (See Baily and Cope, assignors.)
Electric Heating Company. (See Ludwick, Wayne D., assignor.)
Electric Intake Heater Company. (See Parrish, Bert N., assignor.)
Electric Metal Working Company. (See Coffin, Charles L., assignor.)

Electric Railway Improvement Company, The. (See Cleveland, William B., assignor.)
Electric Railway Improvement Company, The. (See Herrick, Albert B., assignor.)
Electric Railway Improvement Company, The. (See Huber, William E., assignor.)
Electric Reduction Company. (See Morrison, Walter L., assignor.)
Electric Reduction Company. (See Weitzenkorn, Joseph W., assignor.)
Electric Service Supplies Company. (See Darling, Lewis A., assignor.)
Electric Service Supplies Company. (See Mayer, Walter S., assignor.)
Electric Service Supplies Company. (See McFarlin, John R., assignor.)
Electric Service Supplies Company. (See Pike, Lorenzo H., assignor.)
Electric Tachometer Corporation, The. (See Kolff, Petrus V., assignor.)
Electric Time Recorder Company. (See Straub, William F., assignor.)
Electric Water Sterilizer Company. (See Hartman, Harry B., assignor.)
Electric Weighing Company. (See Messiter, Edwin H., assignor.)
Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)
Electrical Inventions Company. (See Adams-Randall, Charles, assignor.)
Electrical Products Corporation. (See Clover, Howard K., assignor.)
Electro-Chemical Products Company. (See Hoofnagle, William T., assignor.)
Electro-Chemical Supply & Engineering Company. (See Meigs, Curtis C., assignor.)
Electro Dental Manufacturing Company. (See Russell, Percy, assignor.)
Electro Dental Manufacturing Company. (See Russell and Schramm, assignors.)
Electro Dental Manufacturing Company. (See Schramm, Adolph W., assignor.)
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Electro Metallurgical Company. (See Furness, George C., assignor.)
Electro Metallurgical Company. (See Holladay, James A., assignor.)
Electro-Pneumatic Gear Shift Corporation. (See MacPherson, John G., assignor.)
Electrothermal Company. (See Homan, John G., assignor.)
Elektrizitätswerk Lonza. (See Danneel and Kuhn, assignors.)
Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft). (See Schwerin, Botho, assignor.)
Elers, Karl F., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Driving mechanism. No. 1,258,631; Mar. 5; v. 248; p. 200.
Elevator Supplies Company. (See Rowntree, Harold., assignor.)
Elevator Supplies Company. (See Schenck, Charles, assignor.)
Elevator Supply & Repair Company. (See Andrén, August, assignor.)
Eley, David, Funk, Ohio. Lifting-jack. No. 1,272,237; July 9; v. 252; p. 450.
Eleyet, Leevi W., Lakeview, Ohio. Telephone-cord take-up. No. 1,271,872; July 9; v. 252; p. 345.
Elgin Tractor Corporation. (See Waite, Harry C., assignor.)
Eli, Charles C., West Hoboken, N. J. Carryall for automobiles. No. 1,259,381; Mar. 12; v. 248; p. 452.
Elia, Giovanni E., New York, N. Y. Apparatus for detecting and indicating the presence of submarine boats. No. 1,278,319; Sept. 10; v. 254; p. 294.
Elia, Giovanni E., Washington, D. C. Means for protecting ships from submarine explosions. No. 1,286,174; Nov. 26; v. 256; p. 804.
Elia, Giovanni E., New York, N. Y. Ship. No. 1,286,261; Dec. 3; v. 257; p. 19.
Elia, Giovanni E., Westminster, assignor to Vickers Limited, London, England. Submarine mine. No. 1,286,964; Dec. 10; v. 257; p. 225.
Elie, Nickolae M., Starbuck, Minn. Wheel-brake. No. 1,263,872; Apr. 23; v. 249; p. 886.
Eliel, Albert L., assignor of one-half to A. W. McDonell, Los Angeles, Cal. Vehicle-signal. No. 1,266,004; May 14; v. 250; p. 342.
Eligh, Charles A., assignor to Long Manufacturing Company, Detroit, Mich. Making heat-radiating fins. No. 1,257,201; Feb. 19; v. 247; p. 687.
Eligh, Charles A., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. No. 1,260,352; Mar. 26; v. 248; p. 795.
Elkin, Charles, New York, N. Y. Hose-coupling. No. 1,289,714; Dec. 31; v. 257; p. 985.
Elkin, Lewellyn, assignor of one-fifth to E. B. Dickson, Clarksville, Tenn. Back-band buckle. No. 1,288,852; Dec. 24; v. 257; p. 748.
Elkins, Port R., Winchester, Mass. Dispensing system. No. 1,263,751; Apr. 23; v. 249; p. 853.
Ellcon Company. (See Conwell, Walter L., assignor.)
Elleby, Eugene H., Atlanta, Ga. Automobile-tire holder. No. 1,264,034; Apr. 23; v. 249; p. 931.
Ellefsen, Edward A., Pittsburgh, Pa. Toy. No. 1,265,312; May 7; v. 250; p. 121.
Ellenbogen, Louis, Los Angeles, Cal. Garment-cutter's clamp. No. 1,289,416; Dec. 31; v. 257; p. 913.
Ellert, Charles O., Brooklyn, N. Y. Method of and apparatus for making veneered cellular concrete walls. No. 1,280,427; Oct. 1; v. 255; p. 87.
Ellett, Frederick S. (See Bendix and Ellett.)
Ellett, Frederick S., Elmira, N. Y. Free-wheel device. No. 1,252,893; Jan. 8; v. 246; p. 452.
Ellett, Frederick S., Elmira, N. Y. Motor-cycle. No. 1,258,547; Mar. 5; v. 248; p. 175.
Elliman, James, Hove, England. Invalid-chair. No. 1,277,886; Sept. 3; v. 254; p. 153.
Elling, Jens W. A., assignor to A/S. Myrens Verksted, Christiania, Norway. Process and apparatus for drying solid bodies containing liquid. No. 1,263,392; Apr. 23; v. 249; p. 755.
Ellinger, Julius B., Seattle, Wash. Aircraft. No. 1,275,233; Aug. 13; v. 253; p. 276.
Ellingsen, John, and V. Lillquist, Superior, Wis. Window construction. No. 1,261,371; Apr. 2; v. 249; p. 109.
Ellingson, Hans, Arrow Creek, Mont. Grain-shocker. No. 1,263,540; Apr. 23; v. 249; p. 797.
Ellingwood, Clarence H., Barstow, Cal. Railway-yard. No. 1,258,757; Mar. 12; v. 248; p. 273.
Elliot, William D., Bigtimber, Mont. Paper-bag holder. No. 1,273,341; July 23; v. 252; p. 807.
Elliott, Albert G., assignor to Rolls-Royce Limited, Derby, England. Pipe-clip. No. 1,277,398; Sept. 3; v. 254; p. 18.
Elliott, Alexander D., Viola, Ill. Convertible furniture. No. 1,286,262; Dec. 3; v. 257; p. 19.
Elliott, Charles H., and E. T. McCleary, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Open-hearth steel process. No. 1,266,928; May 21; v. 250; p. 628.
Elliott, Delbert, Jackson, Mich. Riding-cultivator. No. 1,270,802; July 2; v. 252; p. 13.
Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
Elliott-Fisher Company. (See Julihn, Louis G., assignor.)
Elliott, Floyd E., Lincoln, Nebr. Trailer attachment for motor-cycles. No. 1,271,553; July 9; v. 252; p. 257.
Elliott, George C., assignor to The Elliott Typewriter Company, Brooklyn, N. Y. Book type-writer. No. 1,255,397; Feb. 5; v. 247; p. 82.
Elliott, Irving H., assignor to Campbell Architectural Iron Co., Inc., New York, N. Y. Casement-window. No. 1,268,554; June 4; v. 251; p. 138.
Elliott, James, Elliottson, Pa. Armor. No. 1,260,167; Mar. 19; v. 248; p. 707.
Elliott, James P., Chicago, Ill. Core and making the same. No. 1,285,081; Nov. 19; v. 256; p. 492.
Elliott, John B., Wichita, Kans. Threshing-machine. No. 1,262,760; Apr. 16; v. 249; p. 558.
Elliott, Joseph H., Rockford, Ill. Tooth-crown holder. No. 1,278,124; Sept. 10; v. 254; p. 241.
Elliott, Joseph S., Eddy, Tex. Overall-waist. No. 1,272,928; July 16; v. 252; p. 672.
Elliott, Julius M., Shelby, N. C. Display-table. No. 1,259,970; Mar. 19; v. 248; p. 655.
Elliott, Percy M., Chicago, Ill. Hanger mechanism for car-doors. No. 1,276,738; Aug. 27; v. 253; p. 762.
Elliott, Richard C., London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Automatic type-casting machine. No. 1,283,708; Nov. 5; v. 256; p. 71.
Elliott, Richard P., Boston, Mass. Device for closing in slotted piston-rings. No. 1,258,664; Mar. 12; v. 248; p. 248.
Elliott, Samuel H., Roanoke, Va. Air-brake mechanism. No. 1,277,053; Aug. 27; v. 253; p. 844.
Elliott, Smith H., Walthill, Nebr. Tank-heater. No. 1,261,799; Apr. 9; v. 249; p. 262.
Elliott Typewriter Company, The. (See Elliott, George C., assignor.)
Elliott, William, assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Front truck for cultivators and other agricultural implements. No. 1,279,677; Sept. 24; v. 254; p. 715.
Elliott, William E., Grand Rapids, Mich. Button-removing tool. No. 1,271,023; July 2; v. 252; p. 77.
Elliott, William E., Grand Rapids, Mich., assignor to The American Button & Fastener Company. Button for shoes. (Reissue.) No. 14,459; Apr. 23; v. 249; p. 957.
Elliott, William E., Grand Rapids, Mich., assignor to American Button & Fastener Company. Package of snap-fasteners. No. 1,289,136; Dec. 31; v. 257; p. 843.
Elliott, William E., Liverpool, England, assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. No. 1,270,275; June 25; v. 251; p. 686.
Elliott, William H., Washington, D. C. Filter for foot-valves. No. 1,264,035; Apr. 23; v. 249; p. 931.

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Elliott, William S., Pittsburgh, Pa. Control apparatus for steam-boilers, &c. No. 1,281,316; Oct. 15; v. 255; p. 389.
Elliott, William S., Pittsburgh, Pa. Boiler control. No. 1,281,317; Oct. 15; v. 255; p. 389.
Ellis, Alden L., Sunnyvale, Cal. Tractor. No. 1,288,538; Dec. 24; v. 257; p. 673.
Ellis, Alvarado L. R., Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. No. 1,263,393; Apr. 23; v. 249; p. 755.
Ellis, Archibald F., Boston, Mass. Street-sweeper. No. 1,255,519; Feb. 5; v. 247; p. 117.
Ellis, Arthur L., *et al.* (See Golata and Roberts, assignors.)
Ellis, Avard A., Denver, Colo. Tampon. No. 1,280,979; Oct. 8; v. 255; p. 264.
Ellis, Carleton. (See McCourt and Ellis.)
Ellis, Carleton, Montclair, N. J. Product of hydrogenation. (Reissue.) No. 14,429; Jan. 29; v. 246; p. 1178.
Ellis, Carleton, Montclair, N. J. Catalyzer and making same. No. 1,255,590; Feb. 5; v. 247; p. 138.
Ellis, Carleton, Montclair, N. J. Hydrogenating resistant fatty material for edible purposes, &c. No. 1,261,911; Apr. 9; v. 249; p. 291.
Ellis, Carleton, Montclair, N. J. Hydrogenation. No. 1,266,782; May 21; v. 250; p. 588.
Ellis, Carleton, Montclair, N. J. Hydrogenated-oil composition. No. 1,276,507; Aug. 20; v. 253; p. 662.
Ellis, Carleton, Montclair, N. J. Hydrogenated-oil composition. No. 1,276,508; Aug. 20; v. 253; p. 662.
Ellis, Carleton, Montclair, N. J. Products containing hydrogenated oil. No. 1,276,509; Aug. 20; v. 253; p. 662.
Ellis, Carleton, Montclair, N. J. Forming and hydrogenating fatty acid esters. No. 1,277,708; Sept. 3; v. 254; p. 105.
Ellis, Carleton, Montclair, N. J. Hydrogenating fatty materials. No. 1,285,959; Nov. 26; v. 256; p. 752.
Ellis, Carleton, Montclair, N. J. Hydrogenating unsaturated bodies. No. 1,285,960; Nov. 26; v. 256; p. 752.
Ellis, Carleton, Montclair, N. J. Product containing hydrogenated oil. (Reissue.) No. 14,568; Dec. 17; v. 257; p. 625.
Ellis, Carleton, Montclair, N. J. Hydrogenated-oil composition. (Reissue.) No. 14,569; Dec. 17; v. 257; p. 626.
Ellis, Carleton, Montclair, N. J. Hydrogenated-oil composition. (Reissue.) No. 14,570; Dec. 17; v. 257; p. 626.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to Surface Combustion, Inc., Wilmington, Del. Gas-burning apparatus. No. 1,256,301; Feb. 12; v. 247; p. 387.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Long Island City, N. Y. Organic-manganese-compound depolarizer. No. 1,269,913; June 18; v. 251; p. 565.
Ellis, Carleton, Montclair, N. J., assignor to National Carbon Company, Long Island City, N. Y. Polyacid-of-manganese-dioxid depolarizer. No. 1,269,916; June 18; v. 251; p. 566.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., Long Island City, N. Y. Volume-stable manganese depolarizing material. No. 1,272,405; July 16; v. 252; p. 524.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., Long Island City, N. Y. Void-filled depolarizing mass. No. 1,272,406; July 16; v. 252; p. 524.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., Long Island City, N. Y. Non-conducting manganese depolarizing electrode. No. 1,272,407; July 16; v. 252; p. 524.
Ellis, Carleton, Montclair, N. J., assignor to National Carbon Company, Inc., New York, N. Y. Making manganese compounds. No. 1,276,739; Aug. 27; v. 253; p. 763.
Ellis, Carleton, Montclair, N. J., assignor to National Carbon Company, Inc., New York, N. Y. Black-streak-manganese-dioxid depolarizing agent. No. 1,289,707; Dec. 31; v. 257; p. 984.
Ellis, Carleton, Montclair, N. J., assignor to C. S. Lutkins, Rye, N. Y. Preparation of synthetic ammonia. No. 1,273,772; July 23; v. 252; p. 923.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Naphthol dye and making same. No. 1,274,351; July 30; v. 252; p. 1122.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Dye and making same. No. 1,279,307; Sept. 17; v. 254; p. 588.
Ellis, Carleton, and A. A. Wells, Montclair, N. J., assignors, by mesne assignments, to National Carbon Company, Long Island City, N. Y. Making conducting hydrated black manganese dioxid. No. 1,269,914; June 18; v. 251; p. 565.
Ellis, Carleton, and A. A. Wells, Montclair, N. J., assignor to National Carbon Company, Long Island City, N. Y. Making manganese dioxid. No. 1,269,915; June 18; v. 251; p. 566.
Ellis, Carleton, and A. A. Wells, Montclair, N. J., assignors, by mesne assignments, to National Carbon Company, Inc., Long Island City, N. Y. Preparation of higher oxid-of-manganese depolarizing material. No. 1,275,666; Aug. 13; v. 253; p. 396.
Ellis, Charles G., Jr., Plainville, Ind. Motor-vehicle. No. 1,255,145; Feb. 5; v. 247; p. 9.
Ellis, Clifford A., Bayonne, N. J., assignor to Standard Oil Company of New York. Fire-extinguishing apparatus. No. 1,287,928; Dec. 17; v. 257; p. 497.
Ellis Drier and Elevator Company. (See Ellis, Hubert C. and N. C., assignors.)
Ellis, Evenio, Sheffield, England. Fluid-pressure gage. No. 1,275,180; Aug. 6; v. 253; p. 237.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis-Foster Company. (See Greenley, Thomas D., assignor.)
Ellis-Foster Company. (See Starrels, Joel, assignor.)
Ellis-Foster Company. (See Wells, Alfred A., assignor.)
Ellis, Frank I., assignor of one-half to United Engineering & Foundry Company, Pittsburgh, Pa. Mandrel-stripping machine. No. 1,273,163; July 23; v. 252; p. 762.
Ellis, George H., Los Angeles, Cal. Oiling system for twin-engine motor-cycles. No. 1,283,120; Oct. 29; v. 255; p. 947.
Ellis, Hubert C., assignor to Ellis Drier & Elevator Company, Chicago, Ill. Sulfur-burner. No. 1,289,417; Dec. 31; v. 257; p. 913.
Ellis, Hubert C., and N. C. Evanston, assignors to Ellis Drier and Elevator Company, Chicago, Ill. Cotton-seed drier. No. 1,276,044; Aug. 20; v. 253; p. 532.
Ellis, James T. T., Southern Pines, N. C. Tramway-carriage. No. 1,270,131; June 18; v. 251; p. 622.
Ellis, John, Indianapolis, Ind., assignor to G & J Tire Company. Fabric-cutting machine. No. 1,286,263; Dec. 3; v. 257; p. 19.
Ellis, John S., South Milwaukee, Wis. Sanitary apparatus for animal-stalls. No. 1,261,372; v. 249; p. 109.
Ellis, Lewis M., Detroit, Mich., assignor, by mesne assignments, to Bessemer Gas Engine Company. Gas-engine. No. 1,265,891; May 14; v. 250; p. 310.
Ellis, Norman C. (See Ellis, Hubert C. and N. C.)
Ellis, Stephen A., Birmingham, Ala. Apparatus for unsealing and removing can-tops. No. 1,256,302; Feb. 12; v. 247; p. 387.
Ellis, Thomas J., Loda, Ill. Crosscut-saw frame. No. 1,264,036; Apr. 23; v. 249; p. 932.
Ellis, Walter L., Sweet Water, Tex. Oil-can. No. 1,261,912; Apr. 9; v. 249; p. 291.
Ellis, Warren E., Haverhill, Mass. Stapling-machine. No. 1,263,046; Apr. 16; v. 249; p. 638.
Ellis, Wilber P., *et al.* (See Melson, John T., assignor.)
Ellis, William H., Two Rivers, Wis. Sheet-metal hot-water and sheet-metal irrigating bottle. No. 1,272,238; July 9; v. 252; p. 450.
Ellison, Edward H., assignor to International Casement Company, Jamestown, N. Y. Air-port closure. No. 1,274,151; July 30; v. 252; p. 1068.
Ellison, Forrest L., Exeter, N. H. Caster. No. 1,275,882; Aug. 13; v. 253; p. 457.
Ellison, Frank H., Rib Lake, Wis. Game apparatus. No. 1,253,471; Jan. 15; v. 246; p. 655.
Ellison, George. (See Glasner and Ellison.)
Ellison, John N. (See White, George T., assignor.)
Ellison, Lewis M., Chicago, Ill. Draft-gage. No. 1,262,761; Apr. 16; v. 249; p. 558.
Ellison, Lewis M., Chicago, Ill. Draft-gage. No. 1,273,590; July 23; v. 252; p. 875.
Ellison, R. C. (See Fennessy, James H., assignor.)
Ellison, Thomas J., Terrill, Ky. Animal-trap. No. 1,267,391; May 28; v. 250; p. 783.
Ellithorpe, Frederick T., *et al.* (See Lucas, William B., assignor.)
Ellithorpe, Frederick T., Chicago, Ill. Game-indicator. No. 1,253,479; Jan. 15; v. 246; p. 657.
Ellithorpe, Gilbert S., *et al.* (See Lucas, William B., assignor.)
Ellithorpe, Gilbert S., Chicago, Ill. Rubber heel. No. 1,254,489; Jan. 22; v. 246; p. 964.
Ellithorpe, Gilbert S., Chicago, Ill. Shoe-heel. No. 1,272,929; July 16; v. 252; p. 673.
Ellithorpe, Gilbert S., Chicago, Ill. Heel-lift. No. 1,273,047; July 16; v. 252; p. 705.
Ellithorpe, Gilbert S., Rogers Park, Ill. Shoe-tread. No. 1,278,320; Sept. 10; v. 254; p. 294.
Ells, Hallet D., Kansas City, Mo. Truck. No. 1,274,152; July 30; v. 252; p. 1068.
Ellsworth, Henry W., Montvale, N. J. Bookbinding. No. 1,269,586; June 18; v. 251; p. 473.
Elmberg, Ernest F., Parkersburg, Iowa. Power-transmission attachment. No. 1,271,683; July 9; v. 252; p. 294.
Elmen, George P., and G. Sharpnack, Lincoln, Nebr.; said Sharpnack assignor to said Elmen. Vibrator. No. 1,269,803; June 18; v. 251; p. 536.
Elmen, Gustaf W., Bogota, N. J., assignor to Western Electric Company, New York, N. Y. Magnet-core. No. 1,286,965; Dec. 10; v. 257; p. 225.
Elmen, Gustaf W., Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency detector. No. 1,289,418; Dec. 31; v. 257; p. 914.

Elmendorf, Lucius F., assignor of one-half to R. L. France, San Francisco, Cal. Folding laundry-rack. No. 1,281,818; Oct. 15; v. 255; p. 390.
Elmira Crematory Co. (See Lewis, Edward D., assignor.)
Elmira Knitting Mills. (See Bailey, Silas E., assignor.)
Elmore, George, Akron, Ohio. Filter. No. 1,259,498; Mar. 19; v. 248; p. 517.
Elmore, James, and C. W. Joy, Miller, Nebr. Concrete burial-vault. No. 1,270,132; June 18; v. 251; p. 623.
Elmore, Noah H., *et al.* (See Boswell, George G. F., assignor.)
Elniff, John, Kansas City, Mo. Anti-water-adhesion equipment for vessels. No. 1,254,892; Jan. 29; v. 246; p. 1115.
Elrod, Cyrus W., Kansas City, Mo. Check-marker. No. 1,269,692; June 18; v. 251; p. 504.
Elsasser, William, Irvington, N. J. Center-finder. No. 1,264,910; May 7; v. 250; p. 10.
Elsener, Charles C., Waterloo, Iowa. Combination blanking and forming die. No. 1,270,933; July 2; v. 252; p. 51.
Elsey, Robert H., Prescott, Ariz. Pump. No. 1,267,856; May 28; v. 250; p. 915.
Elsom, James D., Chicago, Ill., assignor to Railway Improvement Company, New York, N. Y. Registering mechanism. No. 1,275,234; Aug. 13; v. 253; p. 277.
Elsom, William J., assignor to Cortland Forging Company, Cortland, N. Y. Vehicle-top. No. 1,284,272; Nov. 12; v. 256; p. 248.
Elster, Anthon W., Canton, S. D. Stretcher-brace. No. 1,273,048; July 16; v. 252; p. 705.
Elston, Lewis E., Unionville, N. Y. Lock. No. 1,261,726; Apr. 2; v. 249; p. 207.
Elters, William S., assignor of one-half to T. H. Barlow, Dayton, Ohio. Peg-leg. No. 1,257,284; Feb. 19; v. 247; p. 712.
Elton, James O. (See Laist and Elton.)
Elvin, Albert G. (See Martin, Frederick W., assignor.)
Elvin, Albert G., Somerville, N. J., and F. W. Martin, New York, N. Y.; said Martin assignor to said Elvin. Automatic closing device for fire-doors. No. 1,264,166; Apr. 30; v. 249; p. 1000.
Elvin, Albert G., Somerville, N. J., and F. W. Martin, New York, N. Y.; said Martin assignor to said Elvin. Automatic-closing fire-door device. No. 1,264,167; Apr. 30; v. 249; p. 1000.
Elvin, Albert G., Somerville, N. J., and F. W. Martin, New York, N. Y.; said Martin assignor to said Elvin. Automatic closing device for fire-doors. No. 1,264,168; Apr. 30; v. 249; p. 1001.
Elvin, Albert G., Plandome, A. B. Fahnestock, Great Neck, and F. H. Clark, New York, N. Y.; said Fahnestock and said Clark assignors to said Elvin. Mechanical stoker. No. 1,267,644; May 28; v. 250; p. 855.
Elwell, Frank T., Los Angeles, Cal. Trolley-splicer. No. 1,272,783; July 16; v. 252; p. 630.
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Elwertoski, Antoni, Dumont, N. J., assignor of one-third to T. Szalewicz, Fort Edward, N. Y. Furniture-caster. No. 1,270,390; June 25; v. 251; p. 720.
Elwood Myers Company, The. (See Gregg, Robert W., assignor.)
Ely, Walter C., Terre Haute, Ind. Lining for furnaces. No. 1,284,880; Nov. 12; v. 256; p. 402.
Elyria Enameled Products Company, The. (See Goecke, Rudolf F., assignor.)
Elzey, Edgar P., assignor to E. L. Davidson, Parkersburg, W. Va. Swing-chair. No. 1,271,453; July 2; v. 252; p. 194.
Elzey, Edgar P., assignor to E. L. Davidson, Parkersburg, W. Va. Teeter. No. 1,273,591; July 23; v. 252; p. 875.
Emanuel, Philip A., Aiken, S. C. Apparatus for electrolysis. No. 1,263,314; Apr. 16; v. 249; p. 712.
Emberger, Ferdinand, Boardman, Oreg. Rheostat. No. 1,273,754; July 23; v. 252; p. 918.
Emboso Sales Company. (See Goldhamer, Jacob W., assignor.)
Embree, Herbert, assignor of one-half to W. Hutchinson, Hamilton, Ontario, Canada. Hacksaw and broaching machine. No. 1,275,883; Aug. 13; v. 253; p. 457.
Embree, Herbert, assignor of one-half to W. Hutchinson, Hamilton, Ontario, Canada. Hacksaw and broaching machine. (Reissue.) No. 14,542; Oct. 29; v. 255; p. 1032.
Embree, James W., Manhattan, Kans. Truss-pad. No. 1,273,592; July 23; v. 252; p. 876.
Embree, James W., Manhattan, Kans. Truss-pad. No. 1,273,755; July 23; v. 252; p. 918.
Emele, Alphonso, Mariners Harbor, N. Y. Sectional radiator for internal-combustion engines. No. 1,254,893; Jan. 29; v. 246; p. 1115.
Emenegger, Frank, and J. H. Westfall, Petaluma, Cal. Cereal-grain-hulling system. No. 1,279,308; Sept. 17; v. 254; p. 589.
Emerick, George S., Philadelphia, Pa. Air-separator. No. 1,263,394; Apr. 23; v. 249; p. 755.
Emerick, Joseph M., Salem, Oreg. Means for shaping the raker-teeth of saws. No. 1,271,295; July 2; v. 252; p. 153.
Emerman, Adolph, Cleveland, Ohio. Note-pad attachment for telephones. No. 1,270,133; June 18; v. 251; p. 623.
Emerson, Blanchard B., Leslie, Ark. Antifreeze pipe-joint. No. 1,260,762; Mar. 26; v. 248; p. 917.
Emerson-Brantingham Company. (See Clay, Harry C., assignor.)
Emerson-Brantingham Company. (See Davis, Calvin R., assignor.)
Emerson-Brantingham Company. (See Krieg, Alfred, assignor.)
Emerson-Brantingham Company. (See Waterman, Lewis E., assignor.)
Emerson, Charles C. (See Davis, William S., assignor.)
Emerson Electric Manufacturing Company, The. (See Finch, Herbert I., assignor.)
Emerson Electric Manufacturing Company, The. (See Finch and Meston, assignors.)
Emerson Electric Manufacturing Company, The. (See Meston and Finch, assignors.)
Emerson, George H., St. Paul, Minn. Frog and frog-chair. No. 1,278,321; Sept. 10; v. 254; p. 294.
Emerson, George L., Los Angeles, Cal. Spring-motor. No. 1,276,510; Aug. 20; v. 253; p. 662.
Emerson, Loender C. (See Paine and Emerson.)
Emerson Phonograph Co. (See Emerson, Victor H., assignor.)
Emerson Piano Company. (See Carnahan, Frank, assignor.)
Emerson, Stephen R., Creston, Iowa. Saw-gage. No. 1,257,826; Feb. 26; v. 247; p. 906.
Emerson, Victor H., New York, N. Y., assignor to Emerson Phonograph Co. Inc. Method of producing sound-records. No. 1,271,684; July 9; v. 252; p. 294.
Emerson, Victor H., New York, N. Y., assignor to Emerson Phonograph Company, Inc. Talking-machine. No. 1,273,342; July 23; v. 252; p. 808.
Emerson, William F., Buffalo, N. Y. Coaster-brake. No. 1,263,873; Apr. 23; v. 249; p. 886.
Emerson, William F., Buffalo, N. Y. Driving and braking mechanism. No. 1,280,428; Oct. 1; v. 255; p. 87.
Emerson, William F., assignor to Buffalo Metal Goods Company, Buffalo, N. Y. Collapsible container for grease-cups. No. 1,286,875; Dec. 3; v. 257; p. 164.
Emery, Albert G., New York, N. Y., assignor to The Goodyear's Metallic Rubber Shoe Company. Imitation-leather shoe and manufacturing same. No. 1,280,197; Oct. 1; v. 255; p. 23.
Emery, Augustus B., Messina, North Transvaal, South Africa. Separation of ores and the like. No. 1,272,642; July 16; v. 252; p. 591.
Emery, Augustus B., Messina, North Transvaal, South Africa. Method of and apparatus for separating ores and the like. No. 1,272,643; July 16; v. 252; p. 591.
Emery, Edward C., Los Angeles, Cal. Method of treating food remnants. No. 1,276,888; Aug. 27; v. 253; p. 800.
Emery, Frank A., Wellesley Hills, and A. A. Adams, Brookline, assignors to Boston Scale & Machine Company, Boston, Mass. Power-transmission device. No. 1,281,319; Oct. 15; v. 255; p. 390.
Emery, James I., London, England. Valve for internal-combustion engines. No. 1,283,121; Oct. 29; v. 255; p. 947.
Emery, Raymond D., assignor to W. M. Whitney, Winchendon, Mass. Profiling-jig. No. 1,275,160; Aug. 6; v. 253; p. 231.
Emery, Walter E., Peoria, Ill. Nut-lock. No. 1,257,202; Feb. 19; v. 247; p. 687.
Emig, Walter R., assignor of one-half to H. S. Bergen, Toledo, Ohio. Rust-proofing composition and making same. No. 1,263,395; Apr. 23; v. 249; p. 756.
Emm, John I., Syracuse, N. Y. Automobile-signal. No. 1,257,203; Feb. 19; v. 247; p. 687.
Emmerling, Rudolph C., J. H. Wheelock, and C. J. Rohland, assignors to American Model and Instrument Company, Worcester, Mass. Magnet-operated switch. No. 1,271,873; July 9; v. 252; p. 345.
Emmert, R Z, Bannister, Mich. Pump. No. 1,280,001; Sept. 24; v. 254; p. 808.
Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Ship propulsion. No. 1,270,134; June 18; v. 251; p. 623.
Emmons, Ernest. (See Myers, Melvin A., assignor.)
Emmons, Orrie J., Philadelphia, Pa. Clamp for concrete-forms. No. 1,257,827; Feb. 26; v. 247; p. 906.
Emmons, Rupert A., Washington, D. C. Flying-machine. No. 1,264,037; Apr. 23; v. 249; p. 932.
Emmons, Walter E., Hudson, N. H. Figure toy. No. 1,267,702; June 4; v. 251; p. 178.
Emory, Robert J., Newark, N. J., assignor to Baird Motion Picture Machine Co. Film-gate mechanism for kinetoscopes. No. 1,257,593; Feb. 26; v. 247; p. 838.
Emory, Robert J., Newark, N. J., assignor to Baird Motion Picture Machine Co. Take-up mechanism for kinetoscopes. No. 1,277,559; Sept. 3; v. 254; p. 62.
Empire Art Metal Co. (See Connell, Andrew J., assignor.)
Empire Art Metal Co. (See Connell and Johnson, assignors.)
Empire Cream Separator Company. (See Macartney, Arthur C., assignor.)

Empire Cream Separator Company. (See Warnock, Robert, assignor.)
Empire Duplex Gin Company. (See Meurling, Ivar, assignor.)
Empire Machine Company. (See Canfield, Robert W., assignor.)
Empire Machine Company. (See Chamberlin, Benjamin D., assignor.)
Empire Machine Company. (See Hanford, Orin A., assignor.)
Emrick, George W., assignor to Eastern Flexible Conduit Company, Brooklyn, N. Y. Machine for making armored cable and the like. No. 1,284,625; Nov. 12; v. 256; p. 336.
Emrick, George W., assignor to Eastern Flexible Conduit Company, Brooklyn, N. Y. Flexible conduit. No. 1,284,956; Nov. 12; v. 256; p. 421.
Emrick, Orpheus C., Lynn, Ind. Self-feeding device. No. 1,282,716; Oct. 22; v. 255; p. 808.
Emrick, Wade H., Windy, W. Va. Explosive-engine. No. 1,273,164; July 23; v. 252; p. 762.
Emshwiller, Adelbert B., Minneapolis, Minn. Folding table. No. 1,285,082; Nov. 19; v. 256; p. 492.
Emura, Umejiro. (See Hayashi and Emura.)
Enamel Concrete Company, The. (See Stehm, Frank R., assignor.)
Enameled Steel Specialties Company. (See Morell, George P., assignor.)
Elder, James E., L. W. Crompton, and W. C. Burgert, Tampa, Fla. Camera. No. 1,271,685; July 9; v. 252; p. 295.
Enderlin, August C., and L. S. Neff, Indianapolis, Ind. Automatic elevator-stop controller. No. 1,287,269; Dec. 10; v. 257; p. 303.
Endfire Extinguisher Company. (See Tibbals, Walter H., assignor.)
Endlessgraph Manufacturing Company. (See Gonsky, Peter R., assignor.)
Endorf, Charles, Jr., assignor to Lindstrom, Smith Company, Chicago, Ill. Pump for vacuum-cleaners. No. 1,273,343; July 23; v. 252; p. 808.
Endres, Lawrence M., Cross Plains, Wis. Gang-disk grinder. No. 1,279,526; Sept. 24; v. 254; p. 672.
Endres, Michael, New Philadelphia, Ohio. Fruit and vegetable drier. No. 1,269,412; June 11; v. 251; p. 395.
Enebo, Elias K., assignor to Stockland Road Machinery Company, Minneapolis, Minn. Grading-machine. No. 1,279,853; Sept. 24; v. 254; p. 766.
Enell, Otto E., Jersey City, N. J. Centrifugal filtering and clarifying apparatus. No. 1,269,067; June 11; v. 251; p. 300.
Enequist, Erik W., Brooklyn, N. Y. Glass and making it. No. 1,261,105; Apr. 2; v. 249; p. 7.
Eney, Sommerfield, Jr., Chicago, Ill. Manufacturing pastry-shortening. No. 1,288,853; Dec. 24; v. 257; p. 748.
Engel, Edwin F. (See Olson, Gustaf, assignor.)
Engel, Hans, Charlottenburg, Germany, assignor to General Electric Company. Protection against excessive voltages. No. 1,266,434; May 14; v. 250; p. 459.
Engel, Henri, London, England. Apparatus for extraction of oils, fats, and greases, and of gelatin. No. 1,264,288; Apr. 30; v. 249; p. 1035.
Engel, Karl, Arlington, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sole. No. 1,254,128; Jan. 22; v. 246; p. 862.
Engel, Karl, Arlington, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Preparing soles. No. 1,281,539; Oct. 15; v. 255; p. 450.
Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparing soles. No. 1,281,540; Oct. 15; v. 255; p. 451.
Engel, Karl, Arlington, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole for use in the manufacture of boots and shoes. No. 1,281,770; Oct. 15; v. 255; p. 510.
Engel, Philip N. (See Kaufman, Frank, assignor.)
Engelberg, Arthur, Oakland, Cal. Account-book. No. 1,252,333; Jan. 1; v. 246; p. 257.
Engelbert, Charles. (See Sanuy and Engelbert.)
Engelbrekt, Gustaf, Superior, Wis. Automatic wireless signal. No. 1,265,633; May 7; v. 250; p. 206.
Engelbrekt, Gustaf, Superior, Wis. Turbine-motor for use with compressed air. No. 1,268,945; June 11; v. 251; p. 265.
Engelbrekt, Gustaf, Superior, Wis. Fuel-machine. No. 1,281,541; Oct. 15; v. 255; p. 451.
Engelke, Evald O., Cleveland, Ohio. Electric switch. No. 1,252,417; Jan. 8; v. 246; p. 316.
Engelland, Charles, assignor of one-half to E. O. Singleton, Tampa, Fla. Boltless rail-joint. No. 1,255,722; Feb. 5; v. 247; p. 176.
Engelman, Eugene M. (See Rider, Granville S., assignor.)
Engelman, William T. (See Groh, Robert C., assignor.)
Engelson, Albert, Bellingham, Minn. Self-propelled sled. No. 1,272,239; July 9; v. 252; p. 450.
Enger, Martin A., assignor of one-half to R. Spicer, Willmar, Minn. Packing-gland. No. 1,256,780; Feb. 19; v. 247; p. 563.
Engi, Gadient, and C. Jagerspacher, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Chromium compound of azodyestuffs and process of making same. No. 1,259,499; Mar. 19; v. 248; p. 518.
Engineering Products Corporation. (See Weaver, Joseph B., assignor.)
England, Joseph A., Washington, D. C. Projecting apparatus. No. 1,257,986; Mar. 5; v. 248; p. 11.
England, Wallace B. (See Fonnesbeck and England.)
England, William A. (See Hauge and England.)
Englander, Bethoven, assignor to B. Englander, New York, N. Y. Vehicle. No. 1,262,597; Apr. 9; v. 249; p. 482.
Englander, Betty. (See Englander, Bethoven, assignor.)
Englander, Harry. (See Lanstrom, Gustaf H., assignor.)
Englander Spring Bed Co. (See Lowy, Morris, assignor.)
Engle, Bernard, New York, N. Y. Adjustable form. No. 1,280,429; Oct. 1; v. 255; p. 88.
Engle, William G., Sullivan, Ind. Garment-support. No. 1,260,168; Mar. 19; v. 248; p. 708.
Englen, Frederick J., South Omaha, Nebr. Filling-machine. No. 1,253,018; Jan. 8; v. 246; p. 491.
Englert, Arthur R., Mill Hall, Pa. Mechanical movement. No. 1,277,887; Sept. 3; v. 254; p. 153.
Englert, Charles, Rochester, N. Y. Copy-holder. No. 1,289,137; Dec. 31; v. 257; p. 843.
Englert, Charles, Rochester, N. Y. Copy-holder. No. 1,289,138; Dec. 31; v. 257; p. 843.
Englerth, Anton F., assignor to S. J. Christensen and A. Bandura, Chicago, Ill. Ball-bearing. No. 1,280,002; Sept. 24; v. 254; p. 808.
English, Arthur I., Newton Center, Mass., assignor of two-thirds to B. A. Howes, New York, N. Y. Concrete-mold. No. 1,271,874; July 9; v. 252; p. 345.
English, Frederick J., and G. Flock, assignors of one-third to H. Jacobson, New York, N. Y. Automatic automobile-signal. No. 1,270,714; June 25; v. 251; p. 806.
English, James P., Parlin, and H. Gora, Jersey City, N. J. Powder-cutting machine. No. 1,279,678; Sept. 24; v. 254; p. 716.
English, John C., Philadelphia, Pa., assignor to Victor Talking Machine Company. Talking-machine. No. 1,283,122; Oct. 29; v. 255; p. 947.
English, Peter, assignor to Monorail Company of America, Detroit, Mich. Railway switch and crossover. No. 1,253,800; Jan. 15; v. 246; p. 747.
English, Roy W., Victoria, British Columbia, Canada. Telephone-insulator. No. 1,266,435; May 14; v. 250; p. 459.
Englund, Axel, Oakland, Cal. Rotary pump. No. 1,278,125; Sept. 10; v. 254; p. 241.
Englund, Carl R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radiotelephony. No. 1,258,548; Mar. 5; v. 248; p. 175.
Englund, Ernest E., assignor to D. M. Sechler Implement & Carriage Company, Moline, Ill. Means for attaching disks to planters. No. 1,284,626; Nov. 12; v. 256; p. 337.
Engman, Evald J., assignor to The Will & Baumer Co., Syracuse, N. Y. Piston and plunger construction. No. 1,258,549; Mar. 5; v. 248; p. 176.
Engstrom, Jacob B., Manchester, Iowa. Tile-machine. No. 1,259,841; Mar. 19; v. 248; p. 616.
Enholm, Hilmer N., Lomax, Ill. Chair-leg extension. No. 1,251,649; Jan. 1; v. 246; p. 62.
Enholm, Hilmer N., Bushnell, Ill. Tank. No. 1,282,784; Oct. 29; v. 255; p. 854.
Enholm, Hilmer N., assignor to Weather-Proof Watering Trough and Tank Mfg. Co. Inc., Burlington, Iowa. Mold for weatherproof watering-troughs. No. 1,251,650; Jan. 1; v. 246; p. 63.
Enis, William S., Booneville, Miss. Table and desk. No. 1,266,929; May 21; v. 250; p. 628.
Enke, Martin F., Oakland, Cal. Ladder. No. 1,251,761; Jan. 1; v. 246; p. 96.
Enna, Ernst F. H., Copenhagen, Denmark, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sorting and splitting machine. No. 1,282,785; Oct. 29; v. 255; p. 855.
Ennis, Elmer, Arapaho, Okla. Loading apparatus. No. 1,278,891; Sept. 17; v. 254; p. 477.
Ennis, Elmer, Arapaho, Okla. Dumping-receptacle. No. 1,287,929; Dec. 17; v. 257; p. 498.
Ennis, John E., St. Boniface, Manitoba, Canada. Shell-making machine. No. 1,272,784; July 16; v. 252; p. 630.
Ennis, Luna M., Chicago, Ill. Sanitary seat-cover for toilets. No. 1,284,077; Nov. 5; v. 256; p. 169.
Eno, Delwin G., and G. E. Pease, Lincoln, Nebr. Auxiliary air-intake for engines. No. 1,277,560; Sept. 3; v. 254; p. 63.
Enochs, Andrew C. (See Stivers and Enochs.)
Enochs, B. F., *et al.* (See Cathey, Hardy L., assignor.)
Enochs, Perry, *et al.* (See Cathey, Hardy L., assignor.)
Enochs, W. J., *et al.* (See Cathey, Hardy L., assignor.)
Enochs, Will, *et al.* (See Cathey, Hardy L., assignor.)
Enok, Louis, Weirsdale, Fla. Gate-latch. No. 1,289,708; Dec. 31; v. 257; p. 984.
Enomoto, Tatsutaro, Watsonville, Cal. Toy hoop. No. 1,272,240; July 9; v. 252; p. 451.

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Enos, Charles W., Peabody, Mass. Gage-cock. No. 1,269,587; June 18; v. 251; p. 474.
Enright, Daniel T., Garwin, Iowa. End-gate. No. 1,259,088; Mar. 12; v. 248; p. 369.
Enright, John W., New Orleans, La. Stationary chemical-mixing fire-extinguisher system. No. 1,270,135; June 18; v. 251; p. 623.
Enright, John W., New Orleans, La. Nut-cracking machine. No. 1,279,309; Sept. 17; v. 254; p. 589.
Ensey, Grace E., Denver, Colo. Trunk. No. 1,280,430; Oct. 1; v. 255; p. 88.
Ensign, Emory S., assignor to R. Ensign, East Orange, N. J. Window-lock. No. 1,255,398; Feb. 5; v. 247; p. 82.
Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Bow-turning machine. No. 1,268,703; June 4; v. 251; p. 179.
Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Multiple-copying lathe. No. 1,277,203; Aug. 27; v. 253; p. 886.
Ensign, George A., and J. C. M. Des Islets, assignors to Defiance Machine Works, Defiance, Ohio. Hydraulic-press accelerator. No. 1,256,451; Feb. 12; v. 247; p. 432.
Ensign, George A., and R. E. Klinger, assignors to Defiance Machine Works, Defiance, Ohio. Copying-lathe. No. 1,280,980; Oct. 8; v. 255; p. 264.
Ensign, George A., and H. D. Traub, assignors to Defiance Machine Works, Defiance, Ohio. Wood-turning machine. No. 1,281,771; Oct. 15; v. 255; p. 510.
Ensign, Otis F., Defiance, Ohio. Automatic locking device. No. 1,287,270; Dec. 10; v. 257; p. 303.
Ensign, Rose. (See Ensign, Emory S., assignor.)
Ensley, Joseph W., Trinway, Ohio. Shoe-polisher. No. 1,262,473; Apr. 9; v. 249; p. 446.
Enslin, Herbert E., Malden, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Buttoning-machine. No. 1,273,444; July 23; v. 252; p. 835.
Ensminger, Frank R. (See Cutler, Willis L., assignor.)
Enssle, Fritz, Roselle, N. J. Reversible rotary motor. No. 1,278,126; Sept. 10; v. 254; p. 241.
Enterprise Electric Novelty Co. (See Samach, Julius, assignor.)
Enterprise Optical Manufacturing Company, The. (See Larsen and Roebuck, assignors.)
Enterprise Optical Manufacturing Company, The. (See Roebuck, Alvah C., assignor.)
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Entz, Justus B., Cleveland, Ohio. Motor-vehicle. No. 1,258,758; Mar. 12; v. 248; p. 274.
Entz, Justus B., Cleveland, Ohio. Motor-vehicle. No. 1,272,930; July 16; v. 252; p. 673.
Entz, Justus B., Cleveland, Ohio. Transmission and control for motor-vehicles. No. 1,276,045; Aug. 20; v. 253; p. 533.
Entz, Justus B., assignor to E. L. Thurston, trustee, Cleveland, Ohio. Driving mechanism. No. 1,282,786; Oct. 29; v. 255; p. 855.
Entz Motor Car Corporation. (See Stanley, Robert W., assignor.)
Entzminger, Michael E., *et al.* (See Glynn, Stephen A., assignor.)
Eoff, John R., Jr., Washington, D. C. Manufacturing glycerol. No. 1,288,398; Dec. 17; v. 257; p. 610.
Ephraim, Charles C. S., Newcastle, Natal, South Africa. Fence-post. No. 1,264,624; Apr. 30; v. 249; p. 1129.
Eppenstein, Otto, assignor to the Firm of C. Zeiss, Jena, Germany. Telemeter. No. 1,265,762; May 14; v. 250; p. 274.
Epperson, James A., La Veta, Colo. Hay-rake. No. 1,255,520; Feb. 5; v. 247; p. 117.
Epperson, Oscar W. (See Bubb, William L., assignor.)
Epperson, Oscar W. (See Bubb and Epperson.)
Epperson, Samuel S., *et al.* (See Lyle, Jesse, assignor.)
Eppler, Andrew, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Welt-sewing machine. No. 1,260,527; Mar. 26; v. 248; p. 847.
Eppler, Andrew, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-laying machine. No. 1,283,709; Nov. 5; v. 256; p. 71.
Eppler, Andrew, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,286,264; Dec. 3; v. 257; p. 20.
Eppley, Charles S., York, Pa. Switch-throwing mechanism. No. 1,256,540; Feb. 19; v. 247; p. 493.
Epps, Frank A. (See Meigs and Epps.)
Epps, Frank A., New York, N. Y., assignor to MacAndrews & Forbes Company, Camden, N. J. Fire-extinguishing apparatus and method. No. 1,260,169; Mar. 19; v. 248; p. 708.
Eppstein, Isadore A., Toledo, Ohio. Tooth structure. No. 1,263,752; Apr. 23; v. 249; p. 853.
Epright, Alonzo W., Altoona, Pa. Beam-scale. No. 1,262,028; Apr. 9; v. 249; p. 322.
Epstein, Eli, Boston, Mass. Cylinder-lock. No. 1,257,987; Mar. 5; v. 248; p. 11.
Epstein, Henry J. (See Bayer and Epstein.)
Epstein, Hyman, New York, N. Y. Railway freight-car. No. 1,268,555; June 4; v. 251; p. 138.
Equilibrator Company. (See Fuerth, William G., assignor.)
Equitable Meter Company. (See Armstrong, James R., assignor.)
Eral, Frank J. (See Kramer, Umhofer, Eral, and Wildberger.)
Erbach, Fredrich T., Sheboygan, Wis. Line-fastener. No. 1,274,862; Aug. 6; v. 253; p. 149.
Erdélyi, John, Rayland, Ohio. Spring-wheel. No. 1,271,686; July 9; v. 252; p. 295.
Erdice, E. S. (See Keister, Archibald J., assignor.)
Erdle, Reiner, Brooklyn, N. Y., assignor of one-half to H. W. Sagazei, Ridgefield Park, N. J. Speed-recorder. No. 1,252,102; Jan. 1; v. 246; p. 194.
Erdman, George, Hudson, N. Y., assignor to Gifford-Wood Company. Conveyer. No. 1,269,588; June 18; v. 251; p. 474.
Erdrich, Friedrich. (See Sonderegger, Messmer, and Erdrich.)
Erich, George H., Minneapolis, and D. S. Milne, Fairmont, Minn. Air-gage device. No. 1,273,165; July 23; v. 252; p. 762.
Erichsen, Abraham M., Christiania, Norway. Process and apparatus for testing metal sheets, &c. (Reissue.) No. 14,421; Jan. 8; v. 246; p. 547.
Ericksen, John, Blue Mounds, Wis. Fastening device. No. 1,276,740; Aug. 27; v. 253; p. 763.
Ericksen, Julius, Los Angeles, Cal. Mop-holder. No. 1,272,644; July 16; v. 252; p. 592.
Ericksen, Oliver H., Orland, Cal. Carpenter's clamp. No. 1,259,218; Mar. 12; v. 248; p. 405.
Ericksen, William A., Brooklyn, N. Y. Flash-lamp with extension. No. 1,282,555; Oct. 22; v. 255; p. 764.
Ericksen, William A., Brooklyn, N. Y. Skate-fastener. No. 1,284,276; Nov. 12; v. 256; p. 249.
Erickson, Albert, Chicago, Ill., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device. No. 1,285,653; Nov. 26; v. 256; p. 675.
Erickson, Albert, Chicago, Ill., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device for internal-combustion engines. No. 1,286,175; Nov. 26; v. 256; p. 804.
Erickson, Carl A., Burwell, Nebr. Printing-machine. No. 1,275,410; Aug. 13; v. 253; p. 325.
Erickson, Charles J., *et al.* (See Keith and Erickson.)
Erickson, Charles M., Salt Lake City, Utah. Hammer-handle fastener. No. 1,267,195; May 21; v. 250; p. 704.
Erickson, Edward. (See Cosgrove and Erickson.)
Erickson, Edward, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on soles. No. 1,254,894; Jan. 29; v. 246; p. 1115.
Erickson, Edward, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-holding mechanism. No. 1,258,400; Mar. 5; v. 248; p. 131.
Erickson, Edward, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-shaping machine. No. 1,267,392; May 28; v. 250; p. 784.
Erickson, Edward, Cliftondale, assignor to Victor Shoe Machinery Company, Lynn, Mass. Dash-pot. No. 1,265,634; May 7; v. 250; p. 206.
Erickson, Edward S., assignor to McCord Manufacturing Company, Detroit, Mich. Cellular radiator. No. 1,279,527; Sept. 24; v. 254; p. 672.
Erickson, Edwin L., Aitkin, Minn. Wrench. No. 1,254,587; Jan. 22; v. 246; p. 992.
Erickson, Emil T., Salt Lake City, assignor to Rainbow Petroleum Products Co., Salt Lake county, Utah. Oil extracting and refining apparatus. No. 1,281,320; Oct. 15; v. 255; p. 390.
Erickson, Frederic W., New York, N. Y. Marine buoy. No. 1,252,559; Jan. 8; v. 246; p. 358.
Erickson, Frederic W., New York, N. Y. Concrete structure. No. 1,261,109; Apr. 2; v. 249; p. 34.
Erickson, Frederic W., New York, N. Y. Mandrel for pipe-cutters. No. 1,280,199; Oct. 1; v. 255; p. 24.
Erickson, Frederick, *et al.* (See McElroy, John F., assignor.)
Erickson, Fritz, Philipsburg, Mont. Rotary harrow. No. 1,261,727; Apr. 2; v. 249; p. 207.
Erickson, James, Philadelphia, Pa. Pile-driving mechanism. No. 1,284,273; Nov. 12; v. 256; p. 248.
Erickson, John, *et al.* (See Keith and Erickson.)
Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,257,828; Feb. 26; v. 247; p. 906.
Erickson, John, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Co. Telephone-exchange apparatus and system. No. 1,275,141; Aug. 6; v. 253; p. 225.
Erickson, John, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Co. Telephone-exchange apparatus and system. No. 1,275,142; Aug. 6; v. 253; p. 226.
Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Common-battery telephone-exchange trunking system. No. 1,284,274; Nov. 12; v. 256; p. 248.

Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Telephone-meter-service system. No. 1,286,966; Dec. 10; v. 257; p. 225.
Erickson, John G., *et al.* (See Johnson, Arthur W., assignor.)
Erickson, Nellie M., Portland, Oreg. Bed-pan. No. 1,251,877; Jan. 1; v. 246; p. 131.
Erickson, Peter, Chicago, Ill. Ladder. No. 1,284,275; Nov. 12; v. 256; p. 249.
Erickson, Victor, Astoria, Oreg. Logging-chute. No. 1,281,919; Oct. 15; v. 255; p. 552.
Erickson, William F., and H. D. Bolstad, Starbuck, Minn. Shaving kit. No. 1,274,153; July 30; v. 252; p. 1068.
Ericson, Charles, *et al.* (See Peterson, Charlie, assignor.)
Ericson, Edward O. (See Clark and Ericson.)
Ericson, Frithiof G., Toronto, Ontario, Canada. Landing-gear construction of aeroplanes. No. 1,268,333; June 4; v. 251; p. 75.
Ericson, John. (See Eaton, Anton, assignor.)
Ericson, John, New York, N. Y. Match holder and dispenser. No. 1,275,010; Aug. 6; v. 253; p. 189.
Ericson, John, New York, N. Y. Match holder and dispenser. No. 1,281,920; Oct. 15; v. 255; p. 552.
Ericson, Lawrence, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ignition-distributer. No. 1,289,419; Dec. 31; v. 257; p. 914.
Ericsson, Evert, Christiania, Norway. Mold-making machine. No. 1,256,888; Feb. 19; v. 247; p. 596.
Eriksen, Erling, Nordstrand, Norway. Resilient tire. No. 1,280,198; Oct. 1; v. 255; p. 24.
Eriksson, Erik O., Baltimore, Md. Boiler-cleaning device. No. 1,275,009; Aug. 6; v. 253; p. 189.
Erkelens, Abraham M., Surabaya, Java. Roll for sugar-cane mills. No. 1,283,123; Oct. 29; v. 255; p. 948.
Erlandson, Elfrieda V., Galesburg, Ill. Anesthetic-frame. No. 1,257,332; Feb. 26; v. 247; p. 760.
Erlich, Joe, assignor of one-half to W. Rochells, Chicago, Ill. Automobile-radiator. No. 1,278,892; Sept. 17; v. 254; p. 477.
Ernenwein, Phillip, New York, N. Y. Rubber tire. No. 1,257,204; Feb. 19; v. 247; p. 688.
Ernest, Ralph D., Ann Arbor, Mich. Automatic starter and controller. No. 1,273,798; July 23; v. 252; p. 930.
Ernst, Charles A., assignor to The Viscose Company, Marcus Hook, Pa. Spinning-box. No. 1,262,241; July 9; v. 252; p. 451.
Ernst, George, Newark, N. J. Safety gage-glass. No. 1,289,709; Dec. 31; v. 257; p. 984.
Ernst, Theodore, Bayfield, Wis. Combination convertible nursery chair and table. No. 1,277,888; Sept. 3; v. 254; p. 154.
Errett, Charles, New York, assignor to Public Service Cup Company, Brooklyn, N. Y. Paper-cup holder. No. 1,280,692; Oct. 8; v. 255; p. 186.
Erricson, Frank G., Green Creek, N. J. Life-boat grip. No. 1,264,782; Apr. 30; v. 249; p. 1170.
Ersin, Harold O., Anoka, Minn. Bed-bottom. No. 1,270,608; June 25; v. 251; p. 780.
Erskine, John O., Steubenville, Ohio. Electric glass-furnace. No. 1,267,317; May 21; v. 250; p. 735.
Erskine, William B., assignor of one-half to J. E. Morgan, Wheeling, W. Va. Suspension device. No. 1,282,204; Oct. 22; v. 255; p. 669.
Ervin, Charles R., Cushing, Okla. Nut-lock. No. 1,289,710; Dec. 31; v. 257; p. 984.
Ervin, Edward G., Kansas City, Mo. Burglar-alarm. No. 1,285,961; Nov. 26; v. 256; p. 752.
Ervin, Fred, Sioux Falls, S. D. Device for pulling automobiles out of mud-holes. No. 1,269,268; June 11; v. 251; p. 356.
Erving Paper Mills. (See Walker, George I., assignor.)
Erway, Louis W., Hastings, Mich. Aeroplane. No. 1,273,166; July 23; v. 252; p. 762.
Erwin, Benjamin F., Fairfax, Mo. End-gate. No. 1,271,024; July 2; v. 252; p. 77.
Erwin, Charles A., Moberly, Mo. Resilient wheel. No. 1,253,801; Jan. 15; v. 246; p. 748.
Erwin, James L., assignor of one-half to P. W. Mack, Greensboro, N. C. Cotton chopper and cultivator. No. 1,266,005; May 14; v. 250; p. 342.
Erwin, Raymond W., Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company. Electric battery. No. 1,282,057; Oct. 22; v. 255; p. 628.
Erwin, Robert W. (See Goltra, Maffitt, Dana, and Erwin.)
Erwin, William E., Berkeley, Cal. Tire-rim. No. 1,282,713; Oct. 22; v. 255; p. 807.
Es Tarsa, Bayer. (See Buchtala, Hans, assignor.)
Escalante, Charles J., Merida, Mexico. Spring suspension for automobiles. No. 1,266,436; May 14; v. 250; p. 459.
Eschleman, Ellen, administratrix. (See Lanman and Eschleman.)
Eschleman, William N. (See Lanman and Eschleman.)
Eschmann, Frederick W. R. (See Harris and Eschmann.)
Eschwei, Henry, Sea Cliff, N. Y. Valve mechanism for engines. No. 1,286,967; Dec. 10; v. 257; p. 225.
Eshelman, John W., Brooklyn, N. Y. Machine for extracting threads from woven fabrics. No. 1,261,373; Apr. 2; v. 249; p. 109.
Eskelinen, Henry, Milwaukee, Wis. Measuring instrument. No. 1,254,218; Jan. 22; v. 246; p. 887.
Eskesen, Eckardt B., Perth Amboy, N. J. Dummy aerial bomb. No. 1,285,083; Nov. 19; v. 256; p. 492.
Esler, Albert F., Rochester, N. Y. Electrical connector. No. 1,285,962; Nov. 26; v. 256; p. 752.
Esmarian, Garabed. (See Kafafian and Esmarian.)
Esmond Mills, The. (See Stevens and Clarke, assignors.)
Esnault-Pelterie, Robert, Paris, France. Piston for hydraulic pumps. No. 1,254,784; Jan. 29; v. 246; p. 1082.
Esnault-Pelterie, Robert, Boulogne sur Seine, France. Internal-combustion turbine. No. 1,278,499; Sept. 10; v. 254; p. 340.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Core for magnetic coils. No. 1,251,651; Jan. 1; v. 246; p. 63.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Wireless duplex signaling system. No. 1,256,889; Feb. 19; v. 247; p. 597.
Espersen, Christian. (See Nelson and Espersen.)
Espinosa, Rudolph P., Los Angeles, Cal. Repair-vulcanizer. No. 1,280,003; Sept. 24; v. 254; p. 808.
Espy, Carl. (See Batchelor, Jamie H., assignor.)
Ess, John A. (See Kaufhold and Ess.)
Esselen, Gustavus J., Jr., Swampscott, and H. S. Mork, Brookline, assignors to Chemical Products Company, Cambridge, Mass. Preparation of cellulose acetate. No. 1,275,884; Aug. 13; v. 253; p. 458.
Essen, Eric E., Brooklyn, N. Y. Fire-check valve. No. 1,251,489; Jan. 1; v. 246; p. 11.
Essex, Harry. (See Smith and Essex.)
Essex Motors. (See Fekete, Stephen I., assignor.)
Essick, William W., Reading, Pa. Lens-block. No. 1,268,556; June 4; v. 251; p. 138.
Esslinger, Albert F., Ypsilanti, Mich. Seed-tester. No. 1,279,310; Sept. 17; v. 254; p. 590.
Estell, John L., Reed, Okla. Weed-cutter. No. 1,267,645; May 28; v. 250; p. 855.
Estelle, Axel T. C., Hagen, Germany, assignor to M. F. Wijkstrom, Stockholm, Sweden. Electrolytically producing iron. No. 1,275,161; Aug. 6; v. 253; p. 231.
Estepp, Ezra, assignor to Sandwich Manufacturing Co., Sandwich, Ill. Driving mechanism for side-delivery rakes and the like. No. 1,285,963; Nov. 26; v. 256; p. 753.
Esterline, John W., Indianapolis, Ind. Constant-temperature recording instrument. No. 1,251,762; Jan. 1; v. 246; p. 96.
Estes, Dana, Brookline, Mass. Fire-extinguisher. No. 1,274,699; Aug. 6; v. 253; p. 103.
Estes, Eddie A., Louisa, Va. Planter attachment. No. 1,287,271; Dec. 10; v. 257; p. 304.
Estes, Henry D., assignor of one-half to U. S. Carson, Hartford, Ky. Power-transmission attachment for automobiles. No. 1,273,470; July 23; v. 252; p. 843.
Estes, Henry D., and W. H. Parks, Hartford, Ky. Demountable-wheel rim. No. 1,274,863; Aug. 6; v. 253; p. 149.
Estes, Joseph B., Babylon, N. Y. Ink-well and other receptacle. No. 1,277,204; Aug. 27; v. 253; p. 886.
Estey, Charles V., Oakland, and A. B. Cudney, San Francisco, Cal. Automatic flash-lamp attachment. No. 1,263,753; Apr. 23; v. 249; p. 853.
Estey Organ Company. (See Haskell, William E., assignor.)
Estey Watch Tool Company. (See Buffum, Herbert H., assignor.)
Estwick, Charles F., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. No. 1,263,541; Apr. 23; v. 249; p. 797.
Etablissements De Dion Bouton, Societe Anonyme. (See Bouton, Georges, assignor.)
Etablissements De Dion Bouton Société Anonyme. (See Gallet, Henri, assignor.)
Etaix, Louis, Paris, France. Plant for the manufacture of coffee extract. No. 1,254,129; Jan. 22; v. 246; p. 862.
Etchells, Harry. (See Greaves and Etchells.)
Etheridge, Halls B., Gilmerton, Va. Foot-warmer. No. 1,272,931; July 16; v. 252; p. 673.
Etheridge, Theodore S., Grand Rapids, Mich. Pamphlet-covering machine. No. 1,274,154; July 30; v. 252; p. 1069.
Etherington, Alfred L., Milton, Nova Scotia, Canada. Spring-seat. No. 1,281,921; Oct. 15; v. 255; p. 553.
Ethridge, Chancelor S., Center Sandwich, N. H. Car-truck. No. 1,277,889; Sept. 3; v. 254; p. 154.
Ethridge, Ellsworth E., Shannon, Ill. Combination stop and weight-guide for windows. No. 1,287,657; Dec. 17; v. 257; p. 429.
Ethridge, Frank W., Tulsa, Okla. Automobile-signal. No. 1,264,038; Apr. 23; v. 249; p. 932.
Ethridge, Frederick M., Boston, Mass. Rug. No. 1,288,539; Dec. 24; v. 257; p. 673.
Ethridge, Frederick M., Boston, assignor of one-half to B. E. Stewart, Somerville, Mass. Display-rack. No. 1,259,005; Mar. 12; v. 248; p. 346.
Etna Machine Company, The. (See Abbey, Nelson D., assignor.)
Etter, John H., Memphis, Tenn. Manifold heating device. No. 1,273,049; July 16; v. 252; p. 705.

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Ettle, John G., and J. R. Sweasy, Red Wing, Minn. Sole. No. 1,289,711; Dec. 31; v. 257; p. 985.
Etzel, Frank E., Montclair, N. J. Damper-controller. No. 1,268,443; June 4; v. 251; p. 107.
Eubank, John C., Campbellsville, Ky. Scythe. No. 1,265,635; May 7; v. 250; p. 206.
Euchenhofer, Adolph F. (See Sherman and Euchenhofer.)
Euerle, Fred J., *et al.* (See Hartfiel, Charles A., assignor.)
Eugen, Charles M. von, and H. Letchford, Coventry, England. Construction of wings and the like for aerial machines. No. 1,281,442; Oct. 15; v. 255; p. 425.
Euler, Clide F., Topeka, Kans. Making combustible gas. No. 1,273,050; July 16; v. 252; p. 705.
Euler, George H., Newark, N. J. Curtain-rod holder. No. 1,267,197; May 21; v. 250; p. 704.
Euphrat, Theophile, Norwalk, Conn. Shade-holder. No. 1,273,051; July 16; v. 252; p. 705.
Eureka Company. (See Daveler, Amos, assignor.)
Eureka Mucking & Engineering Company. (See Halby, Viggo G., assignor.)
Eureka Projector Device Co. (See Jurgensen, August P., assignor.)
Eureka Smokeless Furnace Company, The. (See Nilson, Andrew, assignor.)
Eustice, Alfred L. (See Griffith, John B., assignor.)
Eustice, Alfred L., Chicago, Ill. Inclosed safety-fuse. No. 1,278,893; Sept. 17; v. 254; p. 478.
Eustice, Alfred L., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Inclosed safety-fuse. No. 1,270,391; June 25; v. 251; p. 720.
Eustice, Alfred L., Chicago, Ill., assignor to Economy Fuse & Manufacturing Company, New York, N. Y. Fuse-clip attachment. No. 1,280,431; Oct. 1; v. 255; p. 88.
Eustice, Alfred L., and J. B. Griffith, Chicago, Ill.; said Griffith assignor to said Eustice. Inclosed safety-fuse. No. 1,278,322; Sept. 10; v. 254; p. 294.
Eustis, Frederic A. (See Wedge and Eustis.)
Eustis, Frederic A., Milton, Mass. Method and apparatus for segregating and recovering gases. No. 1,265,892; May 14; v. 250; p. 311.
Eustis, Frederic A., Milton, Mass. Art of and apparatus for treatment of corrosive gases. No. 1,265,893; May 14; v. 250; p. 311.
Eustis, John P., Newton, assignor to J. P. Eustis Mfg. Company, Cambridge, Mass. Holder for tooth-brushes. No. 1,283,403; Oct. 29; v. 255; p. 1022.
Euston, Harry D., Quincy, Mass. Sheet-metal-polishing machine. No. 1,253,675; Jan. 15; v. 246; p. 713.
Euwer, James E., Topeka, Kans., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building construction. No. 1,271,145; July 2; v. 252; p. 110.
Evangeline Iron Works. (See Cameron, Jarrett L., assignor.)
Evans, Alfred L., Baltimore, Md. Ventilating window-sash. No. 1,256,452; Feb. 12; v. 247; p. 432.
Evans, Atlee O. (See Evans, Owen J. and A. O.)
Evans, Beverly P., and A. M. Fisher, Washington, D. C. Hand-stamp. No. 1,272,028; July 9; v. 252; p. 391.
Evans, Beverly P., and A. M. Fisher, Washington, D. C. Stencil-sheet for hand-stamps. No. 1,272,242; July 9; v. 252; p. 451.
Evans, Cadwallader, Jr., Scranton, Pa. Means for transferring loose material. No. 1,268,557; June 4; v. 251; p. 138.
Evans, Carl W., *et al.* (See Conard, Abraham N., assignor.)
Evans, Catherine, Pittsburgh, Pa. Combination fork and spoon. No. 1,277,205; Aug. 27; v. 253; p. 886.
Evans, Charles F. (See McCarter, Charles, assignor.)
Evans, Charles R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N.Y. Electrical conductor. No. 1,287,658; Dec. 17; v. 257; p. 429.
Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,252,560; Jan. 8; v. 246; p. 358.
Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Overload circuit-breaker. No. 1,271,875; July 9; v. 252; p. 345.
Evans, Cullen C., Los Angeles, Cal. Combination spring-support for the rear axles of automobiles. No. 1,260,654; Mar. 26; v. 248; p. 886.
Evans, Cullen C., assignor to Master Equipment Company, Los Angeles, Cal. Driving-axle-hub construction for motor-driven vehicles. No. 1,275,143; Aug. 6; v. 253; p. 226.
Evans, Cullen C., assignor to Master Equipment Company, Los Angeles, Cal. Supplemental platform spring-support. No. 1,289,139; Dec. 31; v. 257; p. 844.
Evans, Daniel L., *et al.*, trustees. (See Phillippi, Frank A., assignor.)
Evans, David D., Racine, Wis. Door-lock. No. 1,282,787; Oct. 29; v. 255; p. 855.
Evans, E. R., *et al.* (See Elbertz, Frank V., assignor.)
Evans, Edward V., London, England. Eliminating sulfur from oils. No. 1,257,829; Feb. 26; v. 247; p. 907.
Evans, Edwin R., Detroit, Mich. Variable-speed winch. No. 1,272,785; July 16; v. 252; p. 631.
Evans, Edwin R., Detroit, Mich. Front-axle construction. No. 1,276,046; Aug. 20; v. 253; p. 533.
Evans, Evan, Berlin, Germany, assignor to General Electric Company. Electric meter. No. 1,267,198; May 21; v. 250; p. 704.
Evans, Frank, and D. Dutt, assignors of one-third to B. O. Markham, Riverdale, Mich. Trip for railway-switches. No. 1,253,802; Jan. 15; v. 246; p. 748.
Evans, Fred, Summit, N. J., assignor of one-fourth to W. P. Hammond and one-half to E. C. Hartshorne, New York, N. Y. Connecting device for repairing antiskid tire-chains. No. 1,259,971; Mar. 19; v. 248; p. 655.
Evans, Garfield I. (See Boyle, William J., assignor.)
Evans, Guy J., Buffalo, N. Y. Addressing-machine. No. 1,253,361; Jan. 15; v. 246; p. 622.
Evans, Guy J., Buffalo, N. Y. Addressing-machine. No. 1,271,687; July 9; v. 252; p. 295.
Evans, Guy J., Buffalo, N. Y. Stencil-holder. No. 1,274,864; Aug. 6; v. 253; p. 149.
Evans, Guy J., Buffalo, N. Y. Stencil. No. 1,276,194; Aug. 20; v. 253; p. 575.
Evans, Guy N., Grinnell, Iowa. Leaf-turner. No. 1,266,437; May 14; v. 250; p. 459.
Evans, Harry F., Davenport, Iowa, assignor to Deere & Company, Moline, Ill. Wearing-plate for mowing-machines. No. 1,276,195; Aug. 20; v. 253; p. 575.
Evans, Harry N., Sr., Philadelphia, Pa. Coupling-valve. No. 1,263,542; Apr. 23; v. 249; p. 798.
Evans, Henry R., London, England. Means for joining photographic films. No. 1,259,500; Mar. 19; v. 248; p. 518.
Evans, Henry R., New York, N. Y. Motion-picture-projecting apparatus. No. 1,261,800; Apr. 9; v. 249; p. 262.
Evans, Humphrey, assignor to Holeproof Hosiery Co., Milwaukee, Wis. Overstitch sewing-machine. No. 1,262,762; Apr. 16; v. 249; p. 558.
Evans, James E., Los Angeles, Cal. Gas generator and burner. No. 1,274,024; July 30; v. 252; p. 1032.
Evans, Joseph N., Wilson, N. Y. Collapsible tower. No. 1,284,078; Nov. 5; v. 256; p. 169.
Evans, Landreth W., Ritzville, Wash. Sanitary ice-cream-cone carrier. No. 1,260,528; Mar. 26; v. 248; p. 848.
Evans, Leigh R., Rochester, N. Y. Clamping device. No. 1,259,219; Mar. 12; v. 248; p. 406.
Evans, Leigh R., assignor to Cyclemotor Corporation, Rochester, N. Y. Carbureter. No. 1,263,047; Apr. 16; v. 249; p. 639.
Evans, Leigh R., assignor to Cyclemotor Corporation, Rochester, N. Y. Controlling mechanism for internal-combustion engines. No. 1,263,048; Apr. 16; v. 249; p. 639.
Evans, Leigh R., assignor to Cyclemotor Corporation, Rochester, N. Y. Gasolene-tank for motor-cycles. No. 1,263,049; Apr. 16; v. 249; p. 639.
Evans, Leonard E., Oxnard, Cal. Agricultural implement. No. 1,287,930; Dec. 17; v. 257; p. 498.
Evans, Lorenzo S., Spartanburg, S. C. Coaling-barge. No. 1,281,542; Oct. 15; v. 255; p. 451.
Evans, Louis M., Alexandria, Va., assignor to the Government of the United States. Pole-changing apparatus. No. 1,273,773; July 23; v. 252; p. 923.
Evans, Mary L., Calgary, Alberta, Canada. Bottle-cap. No. 1,256,669; Feb. 19; v. 247; p. 531.
Evans, Melvin M., Flora, Oreg. Telescoping reach-pole for vehicles. No. 1,277,890; Sept. 3; v. 254; p. 154.
Evans, Otto E., York, Nebr. Combined shackle and shock-absorber. No. 1,255,997; Feb. 12; v. 247; p. 297.
Evans, Owen B. (See Rusby and Evans.)
Evans, Owen B., Lansdowne, assignor to The United Gas Improvement Company, Philadelphia, Pa. Burning solid fuel. No. 1,267,646; May 28; v. 250; p. 855.
Evans, Owen J. and A. O., Canton, Ohio. Safety-signal. No. 1,251,490; Jan. 1; v. 246; p. 11.
Evans, Paul S., assignor to Mobile Steel Company, Mobile, Ala. Syrup-evaporator. No. 1,251,763; Jan. 1; v. 246; p. 97.
Evans, Powell, Philadelphia, Pa. Link for sprinklers. No. 1,283,124; Oct. 29; v. 255; p. 948.
Evans, Powell, assignor, by mesne assignments, to Globe Automatic Sprinkler Company, Philadelphia, Pa. Flow-retarding apparatus. No. 1,267,857; May 28; v. 250; p. 916.
Evans, Price, Sadorus, Ill. Hair-pin. No. 1,253,161; Jan. 8; v. 246; p. 533.
Evans, Richard J., Franklin, Pa. Rubber tire for vehicles. No. 1,285,084; Nov. 19; v. 256; p. 492.
Evans, Robert M., Seattle, Wash. Air-pressure indicator for pneumatic tires. No. 1,289,712; Dec. 31; v. 257; p. 985.
Evans, Robert M., Seattle, Wash. Railway-switch. No. 1,289,713; Dec. 31; v. 257; p. 985.
Evans, Ronald K., Cheboygan, Mich., assignor to J. F. O. Stratton, Elkhart, Ind. Magneto-impulser. No. 1,287,659; Dec. 17; v. 257; p. 430.
Evans, S. C. (See Markwell, Andrew E., assignor.)
Evans Stamping & Plating Company. (See Tuttle, Henry A., assignor.)
Evans, Thomas A., Chicago, and L. A. Salisbury, Elgin, Ill. Photograph-enlarging apparatus. No. 1,266,111; May 14; v. 250; p. 373.
Evans, William E., Attica, Ind. Seat-pad. No. 1,256,458; Feb. 12; v. 247; p. 433.

Evans, William G., Marion, Ohio. Rail-cutting machine. No. 1,277,891; Sept. 3; v. 254; p. 154.
Evans, William J., Dayton, Iowa. Combined driving and steering wheel. No. 1,269,068; June 11; v. 251; p. 300.
Evans, William M., Tampa, Fla. Safety-razor and blade-holder. No. 1,288,854; Dec. 24; v. 257; p. 748.
Evans, William R., Philadelphia, Pa. Safety device for aeroplanes. No. 1,277,892; Sept. 3; v. 254; p. 155.
Evatte, Clay W., Columbia, S. C. Heater. No. 1,266,783; May 21; v. 250; p. 588.
Evens, Charles S., Walden, assignor to New York Knife Company, New York, N. Y. Pocket-knife. No. 1,264,625; Apr. 30; v. 249; p. 1129.
Evensen, William, assignor to The Goss Printing Press Company, Chicago, Ill. Driving mechanism. No. 1,257,830; Feb. 26; v. 247; p. 907.
Evenson, Adolph O., Duluth, Minn. Hand-truck. No. 1,270,024; June 18; v. 251; p. 595.
Evenson, Edward E., Rio, Wis. Snap-hook. No. 1,286,566; Dec. 3; v. 257; p. 94.
Evenson, Roy E., St. Paul, Minn. Odorless garbage-can. No. 1,283,710; Nov. 5; v. 256; p. 71.
Evered, Albert R. (See Evered, Herbert C. and A. R.)
Evered, Herbert C. and A. R., Rochester, N. Y. Stovepipe-damper. No. 1,288,540; Dec. 24; v. 257; p. 674.
Everett, Arthur C., Boston, Mass. Power transmission. No. 1,268,334; June 4; v. 251; p. 75.
Everett, Charles J. (See McAdam and Everett.)
Everett, Edward E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Mold. No. 1,271,296; July 2; v. 252; p. 153.
Everett, Francis D., Saranac Lake, N. Y. Slack-adjuster. No. 1,252,792; Jan. 8; v. 246; p. 424.
Everett, Francis D., Saranac Lake, N. Y. Slack-adjuster. No. 1,274,865; Aug. 6; v. 253; p. 150.
Everett, Francis D., Saranac Lake, N. Y. Transmission apparatus. No. 1,283,711; Nov. 5; v. 256; p. 72.
Everett, Frederick M., assignor to Columbian Rope Company, Auburn, N. Y. Indicating means for rope. No. 1,274,401; Aug. 6; v. 253; p. 16.
Everett, Samuel H., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic switching device or relay. No. 1,278,448; Sept. 10; v. 254; p. 326.
Everett, Thomas L., Wellsburg, W. Va. Door-fastener. No. 1,267,647; May 28; v. 250; p. 855.
Everett, Tolman, Jr. (See Johnston, John, assignor.)
Everett, William J., Indianapolis, Ind. Feed-water heater and purifier for boilers. No. 1,276,339; Aug. 20; v. 253; p. 613.
Everhart, George S., Oshkosh, Wis. Drive-calk for horseshoes. No. 1,274,025; July 30; v. 252; p. 1032.
Everitt, Byron F., *et al.* (See Elbertz, Frank V., assignor.)
Everitt, James, London, England. Clothes-hanging apparatus for use in wardrobes, trunks, warehouses, and the like. No. 1,263,216; Apr. 16; v. 249; p. 687.
Everitt, W., *et al.* (See Horn, Charles A., assignor.)
Everlasting Valve Company. (See Patterson, Franklin M., assignor.)
Everlasting Valve Company. (See Wilson, Wylie G., assignor.)
Evers, Arthur J., assignor to Evers Paper Box Company, Chicago, Ill. Pasteboard-box-making machine. No. 1,257,988; Mar. 5; v. 248; p. 11.
Evers, Edward P. (See Ballman and Evers.)
Evers, John J., Fair Oaks, Ind. Fly-trap. No. 1,286,567; Dec. 3; v. 257; p. 94.
Evers Paper Box Company. (See Evers, Arthur J., assignor.)
Evers, William H., Cleveland, Ohio. Concrete flooring construction. No. 1,273,344; July 23; v. 252; p. 808.
Everslide Tie Company, The. (See Melander, August W., assignor.)
Evesson, Martin V. B., Jersey City, N. J. Galloping-wheel. No. 1,256,454; Feb. 12; v. 247; p. 433.
Evinrude Motor Company. (See Meyer and Gleason, assignors.)
Evleth, Frances M., St. Paul, Minn. Article of wearing-apparel. No. 1,260,353; Mar. 26; v. 248; p. 796.
Evslin, Leo E., Peoria, Ill., assignor, by mesne assignments, to D. Stalberg, Philadelphia, Pa. Porcelain crown. No. 1,264,496; Apr. 30; v. 249; p. 1093.
Ewald, William F., Java, S. D. Resilient wheel. No. 1,289,420; Dec. 31; v. 257; p. 914.
Ewart, Arthur F., and S. Terry, Honolulu, Hawaii. Sugar-cane mill. No. 1,284,627; Nov. 12; v. 256; p. 337.
Ewart, Lewis R., Cody, Wyo. Headlight-controller for vehicles. No. 1,265,894; May 14; v. 250; p. 311.
Ewart, Lewis R., Cody, Wyo. Lamp-mounting attachment for vehicles. No. 1,266,239; May 14; v. 250; p. 408.
Ewart, Nellie E., Arlington, Mass. Portable drying apparatus. No. 1,267,524; May 28; v. 250; p. 820.
Ewbank, Case L., Center, Colo. Cable-operated plow and the like. No. 1,264,783; Apr. 30; v. 249; p. 1170.
Ewbank, Herbert B., Jr., Portland, Oreg. Controlling electrical-power transmission. No. 1,265,184; May 7; v. 250; p. 87.
Ewell, Frank E., Bridgewater, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Pasting mechanism for shoe machinery. No. 1,278,449; Sept. 10; v. 254; p. 326.
Ewell, William H., Santa Cruz, Cal. Apple-slicing machine. No. 1,281,250; Oct. 8; v. 255; p. 340.
Ewen, Edward C., Saginaw, Mich. Recovering graphite from slag. No. 1,271,146; July 2; v. 252; p. 111.
Ewen, Harry A., London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Measuring instrument. No. 1,273,167; July 23; v. 252; p. 762.
Ewen, Malcolm F., Chicago, Ill., assignor to Larsen Ice Machine Company (Inc.), Wilmington, Del. Refrigerating apparatus. No. 1,255,723; Feb. 5; v. 247; p. 177.
Ewen, Malcolm F., assignor to Central Trust Company of Illinois, trustee, Chicago, Ill. Apparatus for administering anesthetics or analgesics. No. 1,256,481; Feb. 12; v. 247; p. 440.
Ewen, Malcom F., and A. L. S. McCurdy, Chicago, Ill., assignors to Larsen Ice Machine Company (Inc.), Wilmington, Del. Refrigerating apparatus. No. 1,259,006; Mar. 12; v. 248; p. 347.
Ewers, Alexander L., Durmid, Va., assignor to United Cigarette Machine Co., Ltd., London, England. Cigarette-cutting mechanism. No. 1,286,968; Dec. 10; v. 257; p. 225.
Ewers, Eugene, and F. Ludford, Eugene, Oreg. Bucket. No. 1,257,831; Feb. 26; v. 247; p. 907.
Ewers, Rolo S., Hoxies, assignor of one-half to L. Kirlin, Beattie, Kans. Heater for internal-combustion-engine intake-manifolds. No. 1,283,125; Oct. 29; v. 255; p. 948.
Ewertz, Eric H., Wollaston, Mass. Sled. No. 1,270,276; June 25; v. 251; p. 687.
Ewig, Julius, and F. Kattler, Springfield, Mass. Portable crane. No. 1,284,277; Nov. 12; v. 256; p. 250.
Ewig, Robert J., Brooklyn, N. Y. Belt-loop and button for trousers. No. 1,274,253; July 30; v. 252; p. 1096.
Ewing, David E., Hartington, Nebr. Advertising display-board. No. 1,257,989; Mar. 5; v. 248; p. 12.
Ewing, David H., San Francisco, Cal. Vehicle traffic-signal. No. 1,285,085; Nov. 19; v. 256; p. 493.
Ewing, Herbert O., Middleport, Ohio. Compressing-tool. No. 1,267,393; May 28; v. 250; p. 784.
Ewing, Samuel D., Sourlake, Tex. Standing-valve structure. No. 1,265,313; May 7; v. 250; p. 121.
Ewton, Thomas F., Dallas, and F. E. Waldrop, Longviews, Tex.; said Waldrop assignor to said Ewton. Vegetable-curing plant. No. 1,284,628; Nov. 12; v. 256; p. 337.
Excelsior Steel Furnace Company, The. (See Scherer, Albert G., assignor.)
Excoffier, Eugène, Châtelaine, near Geneva, Switzerland. Carbureter. No. 1,280,004; Sept. 24; v. 254; p. 808.
Exley, William H. (See Leitner and Exley.)
Exline, Marcus P., assignor to E. Dunlap, Dallas, Tex. Pass-book. No. 1,264,039; Apr. 23; v. 249; p. 932.
Exton, Alfred H., Chicago Heights, Ill., assignor to Edgar Allen American Manganese Steel Company, Augusta, Me. Dipper-tooth. No. 1,263,874; Apr. 23; v. 249; p. 887.
Eycleshymer, Annie K., Greenfield Center, N. Y. Valve. No. 1,256,215; Feb. 12; v. 247; p. 363.
Eyer, Philipp, Halberstadt, assignor to Rudolph Koepp & Co., Oestrich-on-the-Rhine, Germany. Composition and process for making enamel. No. 1,256,455; Feb. 12; v. 247; p. 433.
Eyer, Philipp, Halberstadt, assignor to Rudolph Koepp & Co., Oestrich-on-the-Rhine, Germany. Enamel composition and process of manufacturing it. No. 1,256,456; Feb. 12; v. 247; p. 433.
Eyster, Elmer E., Indianapolis, Ind. Machine for attaching spring ends. No. 1,287,931; Dec. 17; v. 257; p. 498.
Ezell, Uberto D., Kimball, Tex. Block and tying mechanism for baling-presses. No. 1,268,444; June 4; v. 251; p. 107.
Ezra, Samuel B., Hartford, Conn. Drawing-board support. No. 1,270,609; June 25; v. 251; p. 780.
F. Mayer Boot & Shoe Co. (See Ebner, John, assignor.)
F. Reddaway and Company Limited. (See Muskett, Jabez, assignor.)
F. A. Ames Company, The. (See Smith and Ames, assignors.)
F. A. Hardy & Company. (See Troppman, Charles J., assignor.)
F. A. Herrick Company, The. (See Herrick, Frank A., assignor.)
F. A. Neider Company, The. (See Neider, Fred A., assignor.)
F. A. Whitney Carriage Company. (See Ambler, George B., assignor.)
F. A. Whitney Carriage Company. (See Potter, Charles E., assignor.)
F. D. Kees Manufacturing Company. (See Kees, Frederick D., assignor.)
F. E. Kohler Company, The. (See Kohler, Frederick E., assignor.)
F. F. Slocomb & Co. (See Flanagan, James H., assignor.)
F. H. Appleton & Son. (See Haertel, Hans R., assignor.)
F. I. A. T. (See Fornaca, Guido, assignor.)

F. L. Bradbury Co., The. (See Bradbury, Frederick L., assignor.)
F. & L. Manufacturing Co. (See Lieberman, Moses, assignor.)
F. L. Schmidt Company. (See Novick, Abraham, assignor.)
F. N. Burt Company. (See Burt, Robinson, assignor.)
F. N. Burt Company. (See Carle, Harold, assignor.)
F. N. Burt Company, The. (See Holly, Carlos, assignor.)
F. N. Burt Company. (See Miller, John J., assignor.)
F. N. Burt Company. (See Palmer, Lyndon C., assignor.)
F. O. B. Manufacturing Company. (See Boswell, Fletcher O., assignor.)
F. R. Blair & Co. (See Blair, Frank R., assignor.)
F. W. Tunnell & Co. (See Bergquist, Carl, assignor.)
Faarborg, Jens L. H., Tranebjerg, Samsö, assignor to N. C. Breit & Co., Copenhagen, Denmark. Potato-digging machine. No. 1,255,302; Feb. 5; v. 247; p. 53.
Faas, Henry N., and W. L. Braley, assignors to The American Seeding Machine Company, Springfield, Ohio. Feed-regulator for fertilizer-sowers. No. 1,276,047; Aug. 20; v. 253; p. 533.
Faber, Andrew J., Oswego, N. Y. Automatic circuit-breaker for electric irons. No. 1,288,855; Dec. 24; v. 257; p. 749.
Faber, George E. (See Hubbard, Rowland, assignor.)
Faber, Henry B., New York, N. Y. Thickener. No. 1,253,162; Jan. 8; v. 246; p. 533.
Faber, Lothar W., New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Eraser-guard. No. 1,276,511; Aug. 20; v. 253; p. 663.
Fabian, William J., Evanston, Ill. Calculating-machine. No. 1,265,440; May 7; v. 250; p. 156.
Fabry, Emil W., Birmingham, Ala. Water-cooled display-type matrix-holder for monotype casting-machines. No. 1,277,561; Sept. 3; v. 254; p. 63.
Fachini, Stefano, Milan, Italy. Combustion of liquid fuels. No. 1,252,793; Jan. 8; v. 246; p. 424.
Fackler, Wallace D., Chicago, Ill. Drinking-cup. No. 1,264,040; Apr. 23; v. 249; p. 932.
Fadum, Christian, Brooklyn, N. Y. Safety attachment for mold-liners for type-slug-casting machines. No. 1,282,556; Oct. 22; v. 255; p. 765.
Faerber, Rudolf L. O., Kiel, Okla. Differential lock for automobiles. No. 1,263,655; Apr. 23; v. 249; p. 828.
Faessler, John W., Moberly, assignor to Baker & Lockwood Manufacturing Company, Kansas City, Mo. Locking device for awning-gearing. No. 1,262,029; Apr. 9; v. 249; p. 322.
Fagan, John T., Cleveland, Ohio, assignor to General Electric Company. Cane-glass manufacture. No. 1,273,345; July 23; v. 252; p. 808.
Fagan, John T., Cleveland, Ohio, assignor to General Electric Company. Manufacture of glass rods and tubes. No. 1,273,346; July 23; v. 252; p. 809.
Fagan, Lovilo E., Merriman, Nebr. Vehicle-spring. No. 1,280,432; Oct. 1; v. 255; p. 88.
Fageol, Frank R., Oakland, Cal. Name-plate construction for motor-vehicles. No. 1,255,521; Feb. 5; v. 247; p. 118.
Fageol, Frank R., Oakland, Cal. Vehicle-radiator mounting and inclosing member. No. 1,263,543; Apr. 23; v. 249; p. 798.
Fageol, Rollie B., New York, N. Y. Automobile-bumper. No. 1,266,240; May 14; v. 250; p. 408.
Fageol, Rollie B., Oakland, and C. A. Smith, San Francisco, Cal. Tread for tractor-wheels. No. 1,268,445; June 4; v. 251; p. 108.
Fagerlund, Arthur, and E. Sunila, Brooklyn, N. Y. Concrete-mold. No. 1,268,704; June 4; v. 251; p. 179.
Fahle, Fred J., Luckey, Ohio. Windmill generator set. No. 1,255,998; Feb. 12; v. 247; p. 297.
Fahlstrom, Carl E. (See Hoffner, David, assignor.)
Fahnestock, Adam B. (See Elvin, Fahnestock and Clark.)
Fahrenbruch, George H., Omaha, Nebr. Brake-shoe. No. 1,264,784; Apr. 30; v. 249; p. 1170.
Fahrenbruch, George H., Omaha, Nebr. Rule attachment. No. 1,280,693; Oct. 8; v. 255; p. 186.
Fahrenbruch, George H., Omaha, Nebr. Envelop and fastener therefor. No. 1,280,694; Oct. 8; v. 255; p. 187.
Fahrenbruch, George H., and F. Holada, Omaha, Nebr. Brake-beam fulcrum. No. 1,262,933; Apr. 16; v. 249; p. 606.
Fahrenwald, Frank A., Cleveland, Ohio. Treating rubber. No. 1,269,168; June 11; v. 251; p. 327.
Fahrenwald, Frank A., Cleveland, Ohio, dedicated, by mesne assignments, to the Government of the United States of America. Coating tungsten or molybdenum articles with precious metals. No. 1,261,110; Apr. 2; v. 249; p. 34.
Fahrenwald, Frank A., Cleveland, Ohio, dedicated, by mesne assignments, to the Government of the United States of America. Coating or joining articles of tungsten or molybdenum. No. 1,263,656; Apr. 23; v. 249; p. 828.
Fahrney, William H., Chicago, Ill. Spring vehicle-wheel. No. 1,260,655; Mar. 26; v. 248; p. 886.
Faidley, William D., Jr., Clifton Forge, J. W. Morris, Iron Gate, and S. A. Patterson, Clifton Forge, Va. Machine for removing and replacing metal parts of train-pipe couplings. No. 1,252,676; Jan. 8; v. 246; p. 391.

Faidley, William D., Jr., Clifton Forge, J. W. Morris, Iron Gate, and S. A. Patterson, Clifton Forge, Va. Machine for removing and replacing metal parts of train-pipe couplings. No. 1,252,677; Jan. 8; v. 246; p. 392.
Faiella, Anthony, Philadelphia, Pa. Convertible chair. No. 1,260,972; Mar. 26; v. 248; p. 972.
Faile, Edward H., Larchmont Manor, N. Y. Inner lining for pneumatic tires. No. 1,269,693; June 18; v. 251; p. 504.
Failyer, John D., Seymour, Mo. Energy-transformer for rolling-stock. No. 1,284,186; Nov. 5; v. 256; p. 197.
Fair, Andrew A., Sioux City, Iowa. Ventilator for corn-cribs and the like. No. 1,286,265; Dec. 3; v. 257; p. 20.
Fairbank, Clair W., *et al.* (Reissue.) (See Best, William N., assignor.)
Fairbanks, Ivan B., Emmett, Kans. Pipe-clamp. No. 1,271,876; July 9; v. 252; p. 346.
Fairbanks, Luke J., Los Angeles, Cal. Sample-dispenser. No. 1,278,450; Sept. 10; v. 254; p. 327.
Fairbanks, Luke J., Los Angeles, Cal. Sample-dispenser. No. 1,281,922; Oct. 15; v. 255; p. 553.
Fairbanks, Morse & Co. (See Auge, Joseph N., Jr., assignor.)
Fairbanks, Morse & Company. (See Elder, Robert, assignor.)
Fairbanks, Morse & Company. (See Hobart, Franklin G., assignor.)
Fairbanks, Morse & Company. (See Hobart and Jahnke, assignors.)
Fairbanks, Morse & Company. (See MacNeille, Martin B., assignor.)
Fairbanks, Robert P., Pocatello, Idaho. Air-purifier. No. 1,289,421; Dec. 31; v. 257; p. 915.
Fairbanks, Schock and Company. (See Stafford, Lac F., assignor.)
Fairbank, Silas F., assignor of one-half to E. Sehnert, Bison, Kans. Adjustable stovepipe. No. 1,257,071; Feb. 19; v. 247; p. 649.
Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Splint-impregnating means for match-machines. No. 1,255,999; Feb. 12; v. 247; p. 297.
Fairburn, William A., Great Barrington, Mass., assignor to The Diamond Match Company, Chicago, Ill. Splint-impregnating means for match-machines. No. 1,256,000; Feb. 12; v. 247; p. 298.
Fairchild, Donald H., Denver, Colo. Ball-mill. No. 1,275,184; Aug. 6; v. 253; p. 238.
Fairchild, Harry C., Maplewood, N. J. Vehicle-signal. No. 1,267,751; May 28; v. 250; p. 883.
Fairchild, Samuel P., Sheridan, Mont. Folding vehicle-step. No. 1,268,335; June 4; v. 251; p. 75.
Fairchild, Samuel P., Sheridan, Mont. Automobile cranking device. No. 1,268,336; June 4; v. 251; p. 76.
Fairchild, Thomas H., Jonesboro, Tenn., assignor to Draper Corporation, Hopedale, Mass. Twisting and doubling apparatus. No. 1,265,895; May 14; v. 250; p. 312.
Faires, William C., Mount Gilead, Ohio. Tire-valve. No. 1,269,694; June 18; v. 251; p. 504.
Fairfax, James E., assignor of one-half to D. W. Gaston, Jr., Aiken, S. C. Wall-plaster. No. 1,269,695; June 18; v. 251; p. 504.
Fairfax, Walter D., Brewster, Ohio. Signaling apparatus for vehicles. No. 1,272,408; July 16; v. 252; p. 524.
Fairfoull, Raymond W., *et al.* (See Unruh, Albert A., assignor.)
Fairhurst, John T., Brooklyn, N. Y. Cabinet. No. 1,273,838; July 30; v. 252; p. 980.
Fairmont Gas Engine & Railway Motor Car Co. (See Kasper, Walter F., assignor.)
Fairmont Mining Machine Company. (See Finley, Walter H., assignor.)
Fairweather, Edgar, London, England. Yieldable change-speed gearing. No. 1,275,885; Aug. 13; v. 253; p. 458.
Fairweather, Edgar, London, England. Variable-gear power-transmission apparatus. No. 1,285,964; Nov. 26; v. 256; p. 753.
Faisst, Bernhard, Silica, Ark. Power-winch for automobile-trucks. No. 1,269,804; June 18; v. 251; p. 536.
Faith, Olive R. (See Powell and Faith.)
Faix, John and S., San Francisco, Cal. Combination-tool. No. 1,268,558; June 4; v. 251; p. 138.
Faix, Samuel. (See Faix, John and S.)
Fajen, Otto J., Stover, Mo. Gear-shifting device. No. 1,266,438; May 14; v. 250; p. 460.
Fales, Edward D., La Grange, Ill., assignor, by mesne assignments, to Automatic Electric Company. Telephone automatic trunking system. No. 1,257,832; Feb. 26; v. 247; p. 907.
Fales, Edward D., La Grange, assignor to Automatic Electric Company, Chicago, Ill. Two-wire automatic and manual telephone-exchange trunking system. No. 1,270,277; June 25; v. 251; p. 687.
Fales, Edward D., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Automatic common-battery telephone system. No. 1,268,069; May 28; v. 250; p. 973.

Fales, Frederick L., Jr., Milford, assignor of one-third to L. W. Norton, Ashland, and one-third to J. Goodwin, Milford, Mass. Bomb carrying and releasing apparatus. No. 1,285,654; Nov. 26; v. 256; p. 675.
Fales, Harold A., Brooklyn, N. Y. Desk, show-case, and the like. No. 1,281,923; Oct. 15; v. 255; p. 553.
Falk, Arthur, assignor to Falk Tobacco Co., New York, N. Y. Dispensing receptacle or package. No. 1,253,222; Jan. 15; v. 246; p. 580.
Falk, Frank, *et al.* (See Layman, William, assignor.)
Falk, Henry, Waterbury, Conn. Stovepipe. No. 1,278,894; Sept. 17; v. 254; p. 478.
Falk, Kaufman G., and K. Sugiura, assignors to G. B. Pegram, New York, N. Y. Tetra-iodo-hexamethylene-tetramin composition. No. 1,275,162; Aug. 6; v. 253; p. 231.
Falk, Morris, Leominster, Mass. Lock. No. 1,287,932; Dec. 17; v. 257; p. 498.
Falk Tobacco Co. (See Falk, Arthur, assignor.)
Falkenwalde, Oscar, Baltimore, Md. Engine-starter. No. 1,268,705; June 4; v. 251; p. 179.
Falkenwalde, Oscar, Baltimore, Md. Range-burner. No. 1,286,266; Dec. 3; v. 257; p. 20.
Falkinburg, Harry S., Clay Center, Nebr. Refrigerating and dispensing device. No. 1,285,086; Nov. 19; v. 256; p. 493.
Fallace, Anthony C., Bridgeboro, N. J. Puzzle. No. 1,257,205; Feb. 19; v. 247; p. 688.
Fallis, William S., Raleigh, N. C. Hand-level. No. 1,253,163; Jan. 8; v. 246; p. 534.
Fallows, Joseph H., Blackburn, England. Spindle-driving arrangement for spinning, doubling, and twisting machines for yarns and threads of fibrous substances. No. 1,259,501; Mar. 19; v. 248; p. 518.
Falls Machine Company. (See Clas, Angelo R., assignor.)
Falls, William A., Detroit, Mich. Spring structure. No. 1,270,238; June 18; v. 251; p. 650.
Faltermayer, Harry, Philadelphia, Pa. Circuit-controlling apparatus. No. 1,269,269; June 11; v. 251; p. 357.
Fane, Frank C., Elmsford, N. Y. Combination belt and suspenders. No. 1,271,554; July 9; v. 252; p. 258.
Fanger Beet Harvester Co., The. (See Fanger, John A., assignor.)
Fanger Beet Harvester Co., The. (See Fanger, Joseph D., assignor.)
Fanger, John A., deceased; M. A. Fanger, administratrix, Kalida, assignor to The Fanger Beet Harvester Co., Toledo, Ohio. Beet-conveying mechanism. No. 1,282,205; Oct. 22; v. 255; p. 669.
Fanger, Joseph D., assignor to The Fanger Beet Harvester Co., Toledo, Ohio. Front auger support and bearing for beet-harvesters. No. 1,256,119; Feb. 12; v. 247; p. 333.
Fanger, Joseph D., assignor to The Fanger Beet Harvester Co., Toledo, Ohio. Front construction for beet-harvesters. No. 1,266,439; May 14; v. 250; p. 460.
Fanger, Joseph D., assignor to The Fanger Beet Harvester Co., Toledo, Ohio. Beet-topping mechanism. No. 1,273,756; July 23; v. 252; p. 918.
Fanger, Joseph D., assignor to The Fanger Beet Harvester Co., Toledo, Ohio. Rear auger adjustment for beet-harvesters. No. 1,273,757; July 23; v. 252; p. 919.
Fanger, Maria A., administratrix. (See Fanger, John A.)
Fankboner, Harland. (See Walser and Fankboner.)
Fankboner, Harland, assignor to The Goss Printing Company, Chicago, Ill. Printing-press. No. 1,257,833; Feb. 26; v. 247; p. 908.
Fankboner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,257,834; Feb. 26; v. 247; p. 908.
Fankhauser, Arnold. (See Knibiehler and Fankhauser.)
Fanning, Samuel H., assignor to Liberty Map Cabinet Company, Dallas, Tex. Map-cabinet. No. 1,258,325; Mar. 5; v. 248; p. 109.
Fanning, Samuel H., Dallas, Tex. Combined desk and map-cabinet. No. 1,272,645; July 16; v. 252; p. 592.
Fanshier, Jay, Walla Walla, assignor to Guide Manufacturing Company, Spokane, Wash. Road-guide and travel-indicator for automobiles. No. 1,281,321; Oct. 15; v. 255; p. 390.
Fanslow, Benjamin O., assignor to New Era Mfg. Co., New York, N. Y. Check-protector. No. 1,260,170; Mar. 19; v. 248; p. 708.
Fant, Patrick J., Hugo, Okla. Peanut-digger. No. 1,288,541; Dec. 24; v. 257; p. 674.
Fant, Russell H., Denver, Colo. Book-holder. No. 1,278,619; Sept. 10; v. 254; p. 374.
Fanta, Karl, and N. Wessely, assignors to Osterreichische Siemens-Schuckert-Werke and Regal-Patente-Gesellschaft m. b. H., Vienna, Austria. Electrical contact device. No. 1,263,657; Apr. 23; v. 249; p. 828.
Far West Manufacturing Co. (See White, Dick C., assignor.)
Farb, Pincus, Newark, N. J., assignor to Sonora Phonograph Corporation. Sound-modifier for talking-machines. No. 1,270,278; June 25; v. 251; p. 687.
Farber, Maurice L. (See Armband, Abraham, assignor.)
Farber, Simon W., Brooklyn, N. Y. Electric-lamp fixture. No. 1,266,241; May 14; v. 250; p. 409.
Farbwerke vorm. Meister Lucius & Bruening. (See Ach and Dieterich, assignors.)
Farbwerke vorm. Meister Lucius & Bruening. (See Ach, Rothmann and Giemsa, assignors.)
Farbwerke Vorm. Meister Lucius & Brüning. (See Helbig, Emil, assignor.)
Farbwerke vorm Meister Lucius & Brüning. (See Hermanns, Leo, assignor.)
Farbwerke vorm. Meister Lucius & Bruning. (See Rohmer, Martin, assignor.)
Farenbaugh, Jacob. (See Thompson, Herschel G., assignor.)
Farer, Isidor, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Combined folder and binder for sewing-machines. No. 1,281,924; Oct. 15; v. 255; p. 553.
Fargo, Arthur H., Wilmington, Del. Connecting device with insulators. No. 1,263,050; April 16; v. 249; p. 639.
Fargo, Edward B., and G. R. Case, assignors of one-third to W. H. Finney, Clintonville, Wis. Curtain-pole. No. 1,256,001; Feb. 12; v. 247; p. 298.
Faribault, William R., Normandy, Mo. Pole-coupling. No. 1,282,681; Oct. 22; v. 255; p. 799.
Faries Manufacturing Co. (See Bowen, Michael B., assignor.)
Faries Manufacturing Co. (See Surface, Morris E., assignor.)
Farkas, Karl, assignor of one-half to A. B. Lisle, Providence, R. I. Lubricating refractory wires during drawing the same. No. 1,253,362; Jan. 15; v. 246; p. 623.
Farley, Eliot, *et al.*, trustees. (See Callan, John G., assignor.)
Farley, Jesse K., Jr., Kenilworth, Ill. Carton. No. 1,269,169; June 11; v. 251; p. 327.
Farley, John P., Kansas City, Mo. Sanitary drinking-fountain. No. 1,288,542; Dec. 24; v. 257; p. 674.
Farley, John W., Cleveland, Ohio. Pipe-hanger. No. 1,262,763; Apr. 16; v. 249; p. 559.
Farley, John W., Cleveland, Ohio. Plate-thimble for pipes. No. 1,278,895; Sept. 17; v. 254; p. 478.
Farley, Philip H., Rochester, N. Y. Shoe-protecting device. No. 1,260,888; Mar. 26; v. 248; p. 950.
Farley, Walter L., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film cartridge. No. 1,263,754; Apr. 23; v. 249; p. 853.
Farlow, William, Lakecreek, Oreg. Vehicle-wheel. No. 1,285,655; Nov. 26; v. 256; p. 675.
Farman, Dan V., Battle Creek, Mich. Crossing-gate. No. 1,271,877; July 9; v. 252; p. 346.
Farman, Elbert H., McKittrick, Cal. Palmetto-root and weed plow. No. 1,271,504; July 2; v. 252; p. 209.
Farmer, Edward E., Struthers, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Die for rivet and nail machines. No. 1,251,652; Jan. 1; v. 246; p. 63.
Farmer, Frank H., assignor to The White Motor Company, Cleveland, Ohio. Power-transmission mechanism. No. 1,258,883; Mar. 12; v. 248; p. 311.
Farmer, Frank H., assignor to The White Motor Company, Cleveland, Ohio. Brake mechanism for motor-vehicles. No. 1,282,401; Oct. 22; v. 255; p. 723.
Farmer, James H., Stonewall, Okla. Hog-yoke. No. 1,265,896; May 14; v. 250; p. 312.
Farmer, Luke W., Somerville, Mass. Paper carton. No. 1,272,409; July 16; v. 252; p. 524.
Farmer, Thomas, Jr., New York, assignor to Consolidated Car-Heating Company, Albany, N. Y. Door-motor. No. 1,262,934; Apr. 16; v. 249; p. 607.
Farmer, Thomas, Jr., New York, N. Y., assignor to Consolidated Car Heating Company, Albany, N. Y. Door-motor. No. 1,281,543; Oct. 15; v. 255; p. 451.
Farmer, Thomas, Jr., New York, and E. D. Jansen, assignors to Consolidated Car-Heating Company, Albany, N. Y. Automatic deflector for electric car-heaters. No. 1,269,589; June 18; v. 251; p. 474.
Farmer, William A., Park Rapids, Minn. Railway-crossing signal. No. 1,287,933; Dec. 17; v. 257; p. 498.
Farmer, William B., New York, N. Y. Banjo attachment. No. 1,260,171; Mar. 19; v. 248; p. 709.
Farmer, William E. (See Giersdorf and Farmer.)
Farmes, Charles, assignor of one-half to J. M. Martin, Minneapolis, Minn. Artificial bait. No. 1,251,904; Jan. 1; v. 246; p. 163.
Farnes, Matthew H., Logan, Utah. Locking nuts upon bolts. No. 1,289,422; Dec. 31; v. 257; p. 915.
Farney, Asa W., Kansas City, and F. W. Jansky, St. Joseph, Mo. Riprap. No. 1,252,678; Jan. 8; v. 246; p. 392.
Farnham, Frank E., Providence, R. I., assignors to The Jewelers' Supply Company, Biddeford, Me. Safety-catch for pins or brooches. No. 1,271,297; July 2; v. 252; p. 154.
Farnsworth, Alfred W., Derby, England. Spring suspension for vehicles. No. 1,273,052; July 16; v. 252; p. 706.
Farnsworth, Dexter B., Jr., Tulsa, and W. Z. Allen, Sapulpa, Okla. Welded pipe-joint. No. 1,287,934; Dec. 17; v. 257; p. 499.
Farnsworth, Emerson W., Buckhannon, W. Va. Adjustable ladder-foot. No. 1,265,636; May 7; v. 250; p. 207.
Farnsworth, Frank E., Chief, Mich. Running-gear for motor-vehicles. No. 1,271,298; July 2; v. 252; p. 154.
Farnsworth, Sidney W. (See Tschudy and Farnsworth.)

Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Cathode structure for vapor-converters. No. 1,253,223; Jan. 15; v. 246; p. 580.
Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Measuring device. No. 1,266,570; May 21; v. 250; p. 527.
Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-controlling means for vapor-converters. No. 1,275,886; Aug. 13; v. 253; p. 458.
Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor-rectifier. No. 1,285,965; Nov. 26; v. 256; p. 753.
Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Cathode structure for vapor-converters. No. 1,285,966; Nov. 26; v. 256; p. 753.
Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company Shielding apparatus for vapor-converters. No. 1,285,967; Nov. 26; v. 256; p. 754.
Farnsworth, William W., Littleton, Colo. Portable vehicle cleaner and washer. No. 1,262,316; Apr. 9; v. 249; p. 402.
Farnsworth, William W., Littleton, Colo. Renovator. No. 1,281,925; Oct. 15; v. 255; p. 554.
Farnum, Loring N., New York, N. Y., assignor to Buttonlath Manufacturing Company, Los Angeles, Cal. Machine for making plaster-lath. No. 1,288,543; Dec. 24; v. 257; p. 675.
Farnum, William C., assignor to W. M. Whitney, Winchendon, Mass. Power-transmission mechanism. No. 1,262,474; Apr. 9; v. 249; p. 446.
Farnum, William C., assignor to W. M. Whitney, Winchendon, Mass. Wood-planing machine. No. 1,275,163; Aug. 6; v. 253; p. 231.
Farnum, William C., assignor to W. M. Whitney, Winchendon, Mass. Eccentric bearing-box. No. 1,278,800; Sept. 10; v. 254; p. 422.
Farnworth, Robert, and T. T. Jackson, Bolton, England, assignors to Bonweb, Incorporated, Boston, Mass. Shuttle for weaving-looms. No. 1,286,969; Dec. 10; v. 257; p. 226.
Farquhar, Harry D., New York, N. Y. Camera device. No. 1,278,896; Sept. 17; v. 254; p. 478.
Farquhar, Henry S., Wayne, Pa. Device for removing snow. No. 1,266,930; May 21; v. 250; p. 628.
Farquhar, Henry S., Wayne, Pa. Machine for removing snow and like material. No. 1,272,786; July 16; v. 252; p. 631.
Farquhar, James B., Vancouver, British Columbia, Canada. Muffle. No. 1,269,270; June 11; v. 251; p. 357.
Farr, Charles A., and B. A. Dove, Dallas, Tex. Printing roller-cleaning device. No. 1,253,363; Jan. 15; v. 246; p. 623.
Farr, Frederick G., assignor to Hydraulic Oil Systems Corporation, Detroit, Mich. Hydraulically-operated oil-storage tank. No. 1,286,970; Dec. 10; v. 257; p. 226.
Farr, Frederick G., assignor to Hydraulic Oil Systems Corporation, Detroit, Mich. Controlling-valve for hydraulic oil-delivery systems. No. 1,286,971; Dec. 10; v. 257; p. 226.
Farr, Frederick G., assignor to Hydraulic Oil Systems Corporation, Detroit, Mich. Hydraulic storage and delivery system. No. 1,286,972; Dec. 10; v. 257; p. 227.
Farr, Frederick G., assignor to Hydraulic Oil Systems Corporation, Detroit, Mich. Hydraulic oil storage and delivery system. No. 1,286,973; Dec. 10; v. 257; p. 227.
Farr, Frederick G., assignor to Hydraulic Oil Systems Corporation, Detroit, Mich. Hydraulic oil storage and delivery system. No. 1,286,974; Dec. 10; v. 257; p. 227.
Farr, Frederick G., assignor to Hydraulic Oil Systems Corporation, Detroit, Mich. Hydraulic storage and delivery system. No. 1,286,975; Dec. 10; v. 257; p. 227.
Farr, Frederick G., assignor to Hydraulic Oil Systems Corporation, Detroit, Mich. Hydraulic storage and delivery system. No. 1,286,976; Dec. 10; v. 257; p. 228.
Farr, Ira E., Watertown, N. Y. Composition plug. No. 1,259,502; Mar. 19; v. 248; p. 519.
Farr, John R. A. (See Morozowicz and Farr.)
Farr, Lewis, El Portal, Cal. Respirator. No. 1,288,856; Dec. 24; v. 257; p. 749.
Farr, Lewis, El Portal, Cal. Life-preserver. No. 1,288,857; Dec. 24; v. 257; p. 749.
Farrand, Fred U., Wayzata, Minn. Hay-gatherer. No. 1,289,423; Dec. 31; v. 257; p. 915.
Farrand, Oliver M. (See Boyden, George E., assignor.) (Reissue.)
Farrar, Calvin L., Lakecreek, Oreg. Household utility device. No. 1,256,002; Feb. 12; v. 247; p. 298.
Farrell, Walter C., assignor of one-half to J. F. Schamel, Buffalo, N. Y. Shield or protector for radiators. No. 1,254,785; Jan. 29; v. 246; p. 1082.
Farrelly, Francis J., and A. Greiner, Hartford, Conn. Cathode for X-ray tubes. No. 1,275,542; Aug. 13; v. 253; p. 360.
Farrelly, Francis J., and A. Greiner, Hartford, Conn. X-ray tube. No. 1,276,196; Aug. 20; v. 253; p. 576.
Farrer, Charles S., Dunmore, Pa. Turbine. No. 1,283,485; Nov. 5; v. 256; p. 13.
Farrer, Matt, *et al.* (See Lambeth, Acey L., assignor.)
Farrer, William C., and G. Glossop, Sheffield, England. Shears and similar tool. No. 1,273,839; July 30; v. 252; p. 980.
Farrington Manufacturing Company. (See Devine, William P., assignor.)
Farrington, Thayer B., Louisville, Ky. Draft-regulating device for locomotive front ends. No. 1,285,656; Nov. 26; v. 256; p. 676.
Farrior, J. D. (See Mercer, William T., assignor.)
Farris, Frank H., Medford, Okla. Book-support. No. 1,268,946; June 11; v. 251; p. 265.
Farrow, Ernest L., assignor to The Cleveland Wire Spring Company, Cleveland, Ohio. Bedstead-lock. No. 1,288,544; Dec. 24; v. 257; p. 675.
Farrows, Ellis, Bangor, Pa. Eyeglass-cleaner. No. 1,261,502; Apr. 2; v. 249; p. 145.
Farwell, Charles. (See Queenan and Farwell.)
Farwell, Clara, *et al.* (See Wabers, Henry H., assignor.)
Farwell, Croyden J., *et al.* (See Wabers, Henry H., assignor.)
Fasanello, Sebastian, *et al.* (See Gotti, Constantine J., assignor.)
Fasey, William R., G. T. Galley, and G. Tufnell, London, England. Mechanism for converting reciprocatory into rotary motion. No. 1,261,111; Apr. 2; v. 249; p. 35.
Fassett, Willard O., Alderpoint, Cal. Camp-stove. No. 1,273,840; July 30; v. 252; p. 980.
Fassinger, Charles, assignor to Oliver Iron & Steel Company, Pittsburgh, Pa. Heating-furnace. No. 1,252,561; Jan. 8; v. 246; p. 359.
Fassinger, Charles, assignor to Oliver Iron & Steel Company, Pittsburgh, Pa. Feeding apparatus. No. 1,252,562; Jan. 8; v. 246; p. 359.
Fath, George H. (See Peters, Fath, and Miller.)
Fauber, William H., assignor of one-half to J. R. Taylor, Brooklyn, N. Y. Friction device. No. 1,271,878; July 9; v. 252; p. 346.
Faudel, Henry J., Independence, Ohio. Soil-tilling machine. No. 1,260,279; Mar. 19; v. 248; p. 740.
Faul, Charles, St. Hilda, and H. Lavers, Surrey Hills, Victoria, Australia, assignors, by mesne assignments, to Minerals Separation North American Corporation. Separation of mixed sulfid ores. No. 1,257,990; Mar. 5; v. 248; p. 12.
Faul, Tom. (See Myers, Melvin A., assignor.)
Faul, William. (See Myers, Melvin A., assignor.)
Faulkner, Herbert W., Ryan, Cal., assignor to Pacific Coast Borax Company, Reno, Nev. Separating borates from their gangue. No. 1,269,170; June 11; v. 251; p. 328.
Faulkner, John C., Brooklyn, N. Y. Scale. No. 1,286,568; Dec. 3; v. 257; p. 94.
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Faupel, Charles F., Chicago, Ill. Engine. No. 1,289,424; Dec. 31; v. 257; p. 915.
Faure, Albert. (See Bobichon and Faure.)
Faure, Elie F. G. H., Erie, Pa., assignor to Burke Electric Company. Switch mechanism. No. 1,271,555; July 9; v. 252; p. 258.
Faure, Marie, New Orleans, La. Adjustable mirror-reflector. No. 1,276,512; Aug. 20; v. 253; p. 663.
Fauser, Frank P. (See Fauser, Oscar and F. P.)
Fauser, Oscar and F. P., Peoria, Ill. Machine for surfacing butchers' blocks. No. 1,286,569; Dec. 3; v. 257; p. 94.
Faussett, John H., Philadelphia, Pa. Vehicle-tire. No. 1,284,278; Nov. 12; v. 256; p. 250.
Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,255,871; Feb. 12; v. 247; p. 260.
Faust, Henry W., Seattle, Wash., assignor to S. B. Faust. Concentrator. No. 1,275,235; Aug. 13; v. 253; p. 277.
Faust, Mahlon E. (See Faust, William H., assignor.)
Faust, Sybil B. (See Faust, Henry W., assignor.)
Faust, William H., assignor to M. E. Faust, Los Angeles, Cal. Converting garbage into food. No. 1,254,317; Jan. 22; v. 246; p. 916.
Faustini, Quinto, Cleveland, Ohio. Scrubbing-machine. No. 1,263,396; Apr. 23; v. 249; p. 756.
Fauver, Edgar, and D. C. Kenan, Middletown, Conn. Foot-ball dummy. No. 1,269,559; June 11; v. 251; p. 434.
Favorite Stove & Range Company, The. (See Turner, Walter E., assignor.)
Favre, Lyle A., Grey Eagle, Minn. Street-car indicator. No. 1,276,889; Aug. 27; v. 253; p. 800.
Fawcet, J. W., *et al.* (See Cook, Claude H., assignor.)
Fawcett, Charles H., Independence, Iowa. Sectional device for demonstrating the outlines of objects. No. 1,265,897; May 14; v. 250; p. 312.
Fawcett, Charles H., Independence, Iowa. Crate-bottom for tombstones. No. 1,272,335; July 9; v. 252; p. 478.
Fawcett, Joseph C., Ben Lomond, Ark. Penholder-receptacle. No. 1,268,224; June 4; v. 251; p. 44.
Fawick, Thomas L., Waterloo, Iowa. Gate. No. 1,257,333; Feb. 26; v. 247; p. 761.
Fawick, Thomas L., Waterloo, Iowa. Tractor. No. 1,267,525; May 28; v. 250; p. 820.
Fawick, Thomas L., Waterloo, Iowa. Lubricating means for crank-shafts. No. 1,267,526; May 28; v. 250; p. 820.

Fawick, Thomas L., Waterloo, Iowa. Power-transmission device. No. 1,267,527; May 28; v. 250; p. 820.
Fawick, Thomas L., Waterloo, Iowa. Water-tube boiler. No. 1,267,528; May 28; v. 250; p. 821.
Fawkes, Wilbert C., Portland, Oreg. Package-tie. No. 1,267,648; May 28; v. 250; p. 855.
Fawn River Manufacturing Company. (See Sevison, Luther J., assignor.)
Fay, Albert T., assignor to A. Huhn, Minneapolis, Minn. Wheat-heater. No. 1,258,326; Mar. 5; v. 248; p. 109.
Fay, Albert T., assignor to A. Huhn, Minneapolis, Minn. Wheat-heater. No. 1,283,486; Nov. 5; v. 256; p. 13.
Fay, Alpheus, Louisville, Ky. Means for preparing food products. No. 1,251,878; Jan. 1; v. 246; p. 131.
Fay, Alpheus, Louisville, Ky. Vulcanizer. No. 1,257,594; Feb. 26; v. 247; p. 838.
Fay, Alpheus, Louisville, Ky. Fuel element for vulcanizers. No. 1,285,087; Nov. 19; v. 256; p. 493.
Fay, Alpheus, Louisville, Ky. Vulcanizer. No. 1,285,088; Nov. 19; v. 256; p. 493.
Fay, Clarence C., Tower, Minn. Float for vacuum-controlled liquid-feeding systems. No. 1,286,876; Dec. 3; v. 257; p. 164.
Fay, Horace B. (See Denneen and Mitchell, assignors.)
Fay, John, Columbus, N. D. Animal-poke. No. 1,272,932; July 16; v. 252; p. 673.
Fay, John L., St. Louis, Mo. Combined choke-coil and fuse. No. 1,284,629; Nov. 12; v. 256; p. 337.
Fay, John L., and F. Bielhen, St. Louis, Mo. Pole-erector. No. 1,261,112; Apr. 2; v. 249; p. 35.
Fay, Louis D. (See Mardon and Fay.)
Fay, Owen H., trustee. (See Lewis, James N., assignor.)
Fay, Thomas J. (See Girl and Fay.)
Fay, Thomas J., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Internal-combustion engine. No. 1,267,529; May 28; v. 250; p. 821.
Fay, Thomas J., Brooklyn, N. Y., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Apparatus for cambering and quenching metal. No. 1,267,530; May 28; v. 250; p. 821.
Fay, Thomas J., Brooklyn, N. Y., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Internal-combustion engine. No. 1,271,147; July 2; v. 252; p. 111.
Fay, Thomas J. Brooklyn, N. Y., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. System for supplying liquid fuel. No. 1,276,890; Aug. 27; v. 253; p. 801.
Fay, Thomas J., Brooklyn, N. Y., assignor, by mesne assignments, to Standard Parts Company, Cleveland, Ohio. Packing-ring. No. 1,284,279; Nov. 12; v. 256; p. 250.
Fay, William, St. Louis, Mo. Means for making mineral wool. No. 1,256,541; Feb. 19; v. 247; p. 493.
Fayas, Moses, Wilson, Mich. Log-drag. No. 1,288,545; Dec. 24; v. 257; p. 675.
Fayer, Charles, New York, N. Y., assignor to Wappler Electric Company, Inc. Polarity-indicating mechanism for X-ray apparatus. No. 1,266,931; May 21; v. 250; p. 629.
Fazakerley, Joseph E., Pittsfield, Mass. Hospital-bed. No. 1,257,072; Feb. 19; v. 247; p. 649.
Fazekas, Steven, New York, N. Y. Boat propelling and steering device. No. 1,276,741; Aug. 27; v. 253; p. 763.
Fear, Fred, Brooklyn, N. Y. Soluble dye in sheet form. No. 1,279,679; Sept. 24; v. 254; p. 716.
Fear, Frederick, Brooklyn, N. Y., A. E. Naldrett, and W. C. Nicodemus, assignors to Fred Fear Match Co., Bloomsburg, Pa. Ignition-tape for miners' safety-lamps. No. 1,275,543; Aug. 13; v. 253; p. 361.
Fearell, Walter C. (See Olinger and Fearell.)
Fearn, William R., Camden, N. J. Direct-lifting hydro-aeroplane. No. 1,256,670; Feb. 19; v. 247; p. 532.
Fearon, Thomas E., Philadelphia, Pa. Cigar-maker's suction-table. No. 1,283,487; Nov. 5; v. 256; p. 14.
Feasel, Harry L., New York, N. Y. Mop. No. 1,283,404; Oct. 29; v. 255; p. 1022.
Feasel, Harry L., New York, N. Y., assignor to O-So-Ezy Mop Company. Mop and wringer. No. 1,271,301; July 2; v. 252; p. 155.
Feasel, Harry L., New York, N. Y., assignor to O-So-Ezy Mop Company. Mop and wringer. No. 1,271,302; July 2; v. 252; p. 155.
Febre, Leo, Norfolk, Va. Harrow. No. 1,285,089; Nov. 19; v. 256; p. 493.
Febre, Leo, Norfolk, Va. Corn-cutter. No. 1,285,090; Nov. 19; v. 256; p. 494.
Fechheimer, Isaac. (See Thomas, Charles P., assignor.)
Fechter, George W. (See Hawkins, Frank W., assignor.)
Fecker, Gottlieb, assignor to The Warner and Swasey Company, Cleveland, Ohio. Range-finder. No. 1,269,171; June 11; v. 251; p. 328.
Fecker, Gottlieb L., assignor to The Warner & Swasey Company, Cleveland, Ohio. Mirror-holder for optical instruments. No. 1,281,926; Oct. 15; v. 255; p. 554.
Feculose Company of America. (See Wheelwright, Henry M., assignor.)
Fedchenko, George, Detroit, Mich. Aeroplane. No. 1,277,206; Aug. 27; v. 253; p. 886.
Fedden, Alfred H. R., assignor of one-half to Brazil, Straker & Co., Limited, Bristol, England. Carbureter for internal-combustion engines. No. 1,283,126; Oct. 29; v. 255; p. 948.
Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. No. 1,263,397; Apr. 23; v. 249; p. 756.
Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator unit. No. 1,272,646; July 16; v. 252; p. 592.
Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator unit. No. 1,274,026; July 30; v. 252; p. 1032.
Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. No. 1,274,402; Aug. 6; v. 253; p. 17.
Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. No. 1,276,197; Aug. 20; v. 253; p. 576.
Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Metal bending machine. No. 1,278,897; Sept. 17; v. 254; p. 479.
Fedders Manufacturing Company. (See Fedders, John M., assignor.)
Fedeler, John H., New York, N. Y. Evaporating apparatus. No. 1,278,127; Sept. 10; v. 254; p. 242.
Federal Rubber Company, The. (See Healy and Frank, assignors.)
Federal Sign System, Electric. (See Ogle, Elmer L., assignor.)
Federal Signal Company. (See Reichard, Wade H., assignor.)
Federal Sugar Refining Company. (See Smend and Jenkins, assignors.)
Federal Tin Company. (See Birchbauer, Ferdinand, assignor.)
Federal Tool & Stamping Company, The. (See Somers, Roy B., assignor.)
Federman, Marie S., New York, N. Y. Sanitary attachment for telephone-transmitters. No. 1,256,003; Feb. 12; v. 247; p. 298.
Federson, James, Beresford, S. D. Combination hog-trough. No. 1,275,144; Aug. 6; v. 253; p. 227.
Fedoroff, Vladimir P., Meriden, Conn. Alarm-signal. No. 1,256,542; Feb. 19; v. 247; p. 494.
Fee, Francis J., New York, N. Y. Automatic sprinkler-head. No. 1,253,019; Jan. 8; v. 246; p. 492.
Fee, Francis J., New York, N. Y. Link for sprinkler-heads. No. 1,283,127; Oct. 29; v. 255; p. 948.
Feebusch, Charles P., Kansas City, Mo., and J. O. Roberts, Salina, Kans. Caster. No. 1,271,559; July 9; v. 252; p. 259.
Feegles, De Witt C. (See Wood, Victor, assignor.)
Feeley, Frank G., Chicago, Ill., assignor to M. D. Knowlton Company, Rochester, N. Y. Machine for making corrugated paper-board. No. 1,264,041; Apr. 23; v. 249; p. 933.
Feely, William B. (See Capelle and Feely.)
Feeney, Thomas J., Los Angeles, Cal. Apparatus for actuating sights. No. 1,264,169; Apr. 30; v. 249; p. 1001.
Fefell, Henry H., and J. F. Ohmer, assignors to Ohmer Fare Register Company, Dayton, Ohio. Fare collecting and accounting machine. No. 1,255,522; Feb. 5; v. 247; p. 118.
Fegely, Nathan M., Iola, Kans. Valve-bag. No. 1,287,935; Dec. 17; v. 257; p. 499.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'f'g. Co., Philadelphia, Pa. Shears. No. 1,266,784; May 21; v. 250; p. 588.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's. M'f'g. Co., Philadelphia, Pa. Vise. No. 1,268,559; June 4; v. 251; p. 136.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's Mfg. Co., Philadelphia, Pa. Vise. No. 1,269,271; June 11; v. 251; p. 357.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'f'g Co., Philadelphia, Pa. Shears. No. 1,288,858; Dec. 24; v. 257; p. 749.
Feiereisel, Frank A. (See Edwards and Feiereisel.)
Feil, Abraham, and S. L. Schwarz, New York, N. Y. Fabric-holding frame for embroidering-machines. No. 1,278,451; Sept. 10; v. 254; p. 327.
Feinstein, Abraham, Ann Arbor, Mich. Vehicle-top. No. 1,258,205; Mar. 5; v. 248; p. 74.
Feiss, Richard A., Cleveland, Ohio. Price-slip for piece-work. No. 1,272,243; July 9; v. 252; p. 451.
Feist, Frederick J., Rochester, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Rounding and channeling machine. No. 1,271,505; July 2; v. 252; p. 209.
Feitel, Benjamin F., *et al.* (See Matthews, Charles D., assignor.)
Fekete, Julius, New York, N. Y. Bowling-alley. No. 1,263,875; Apr. 23; v. 249; p. 887.
Fekete, Stephen I., assignor to Essex Motors, Detroit, Mich. Spring shackle-bolt for automobiles. No. 1,287,936; Dec. 17; v. 257; p. 499.
Fekete, Stephen I., assignor, by mesne assignments, to Essex Motors, Detroit, Mich. Multiple manifold for internal-combustion engines. No. 1,289,425; Dec. 31; v. 257; p. 916.

Felcyn, Thomas, Ivanhoe, Minn. Attachment for manure-spreaders. No. 1,259,089; Mar. 12; v. 248; p. 370.
Felberbaum, Max, Baltimore, Md. Combination-garment. No. 1,269,805; June 18; v. 251; p. 536.
Feld, Benjamin. (See Bridges, William H., assignor.)
Feldenheimer, William, London, England. Soap-like detergent and the manufacture thereof. No. 1,254,588; Apr. 2; v. 249; p. 109.
Feldgus, Jacob, Carbondale, Pa. Glove. No. 1,261,374; Jan. 22; v. 246; p. 993.
Feldkamp, Frederick A., Newark, N. J. Multiple-fuse cartridge. No. 1,254,490; Jan. 22; v. 246; p. 964.
Feldkamp, Frederick A., Newark, N. J. Fuse-cartridge. No. 1,268,807; June 4; v. 251; p. 209.
Feldman, Ida B., Atlanta, Ga. Insect-trap. No. 1,277,301; Aug. 27; v. 253; p. 910.
Feldman, Reuben J., *et al.* (See Gasser, William B., assignor.)
Feldt, Emil C. (See Oberg, Gunnard, assignor.)
Feldtkeller, Edgar A., Milwaukee, Wis. Adjustable stock-rack. No. 1,282,557; Oct. 22; v. 255; p. 765.
Felicetti, John B., Philadelphia, Pa. Writing-instrument holder. No. 1,253,164; Jan. 8; v. 246; p. 534.
Felicetti, John B., Philadelphia, Pa. Manually-propelled armored vehicle. No. 1,273,593; July 23; v. 252; p. 876.
Felicetti, John B., Philadelphia, Pa. Writing-instrument holder. No. 1,282,559; Oct. 22; v. 255; p. 766.
Felix, Paul, Knoxville, Tenn. Multicylinder-engine. No. 1,276,891; Aug. 27; v. 253; p. 801.
Felker, William R., Rogers, Ark., and J. Ford, Springfield, Tenn. Cotton-chopper. No. 1,254,999; Jan. 29; v. 246; p. 1142.
Fell, Clarence T., Winnipeg, Manitoba, Canada. Funnel. No. 1,268,947; June 11; v. 251; p. 266.
Fell, William S., New Orleans, La. Window-latch. No. 1,261,913; Apr. 9; v. 249; p. 291.
Felland, Melvin J., Great Falls, Mont. Ship-armor. No. 1,270,715; June 25; v. 251; p. 806.
Fellencer, Allen C. (See Kuhn, James F., assignor.)
Feller, Albert S., and A. Gruner, Wilkinsburg, Pa. Shoe-lace fastener. No. 1,288,859; Dec. 24; v. 257; p. 750.
Fellhauer-Allen Manufacturing Company. (See Allen, James M., assignor.)
Fellman, Edward J., Milwaukee, Wis. Separable hinge. No. 1,261,914; Apr. 9; v. 249; p. 292.
Fellom, Lelia M., San Francisco, Cal. Doll. No. 1,289,715; Dec. 31; v. 257; p. 986.
Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generating gear-teeth. No. 1,252,679; Jan. 8; v. 246; p. 392.
Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
Fellows, Hugh W., Los Angeles, Cal., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Feeder for threshing-machines. No. 1,256,120; Feb. 12; v. 247; p. 333.
Felmley, Calvin A., Tacoma, Wash. Stalk-cutting machine. No. 1,279,680; Sept. 24; v. 254; p. 716.
Fels & Company. (See Robson, Allan R., assignor.)
Felsen, Joseph, New York, N. Y. Apparatus for thoracentesis. No. 1,284,630; Nov. 12; v. 256; p. 338.
Felsenthal, Gabriel, Chicago, Ill. Picture-frame. No. 1,253,803; Jan. 15; v. 246; p. 748.
Felt, Charles C. (See Ayers, Frank W., assignor.)
Felt, Charles R. (See Larson, Anton S., assignor.)
Felt, Willard O., Bradford, Pa. Freezing water. No. 1,271,879; July 9; v. 252; p. 346.
Feltes, John W. (See Lowe, S. Gee, assignor.)
Feltman, Edward, Ottawa, Ohio. Lifting and swinging gate. No. 1,257,334; Feb. 26; v. 247; p. 761.
Feltner, Curtis C., Cerro de Pasco, Peru. Pitcher for cans of condensed milk. No. 1,273,594; July 23; v. 252; p. 876.
Felton, Thomas W., San Gabriel, Tex. Rail tie and fastener. No. 1,275,544; Aug. 13; v. 253; p. 361.
Felton, Walter A., Haskell, N. J. Boot-drying device. No. 1,281,927; Oct. 15; v. 255; p. 554.
Felts, James B. (See Hagewood, John T., assignor.)
Fenaux, Pierre P., Newtonville, assignor to Rivett Lathe & Grinder Company, Brighton, Mass. Cutting attachment for lathes. No. 1,260,172; Mar. 19; v. 248; p. 709.
Fenaux, Pierre P., Newtonville, assignor to Rivett Lathe & Grinder Company, Brighton, Mass. Grinding-machine. No. 1,286,977; Dec. 10; v. 257; p. 228.
Fenchelle, Hugh E., Genoa, Italy, assignor to W. L. Kann, trustee, Pittsburgh, Pa. Fuel-pump for internal-combustion engines. No. 1,287,660; Dec. 17; v. 257; p. 430.
Fenchelle, Hugh E., Genoa, Italy, assignor to W. L. Kann, trustee, Pittsburgh, Pa. Fuel-pump for internal-combustion engines. No. 1,289,716; Dec. 31; v. 257; p. 986.
Fencl, Frank L., and F. M. Hinkle, Table Rock, Nebr. Gun. No. 1,254,130; Jan. 22; v. 246; p. 863.
Fend, Roland S., assignor to Woods Motor Vehicle Company, Chicago, Ill. Automobile. No. 1,255,724; Feb. 5; v. 247; p. 177.
Fend, Roland S., Chicago, Ill. Wheeled vehicle. No. 1,267,995; May 28; v. 250; p. 953.
Fend, Roland S., assignor to Woods Motor Vehicle Company. Chicago, Ill. Automobile. No. 1,275,011; Aug. 6; v. 253; p. 190.
Fender, Brown, Kaufman, Tex. Projectile. No. 1,276,892; Aug. 27; v. 253; p. 801.
Fender, Nicholas, Gary, Ind. Freight-car. No. 1,275,411; Aug. 13; v. 253; p. 325.
Fender, William J., Silver Creek, N. Y. Dust-collector. No. 1,265,763; May 14; v. 250; p. 274.
"Fenestra" Fabrik für Eisenhochbau G. m. b. H. (See Eitel, Heinrich, assignor.)
Fengler, Herman V., West Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,256,303; Feb. 12; v. 247; p. 388.
Fenn, George M., Charlotte, Mich. Snathe-press. No. 1,254,398; Jan. 22; v. 246; p. 939.
Fenn, Libbie R. (See Cathrill, Jack, assignor.)
Fenn, Margaret F. (See Fenn, William B., assignor.)
Fenn, William B., assignor to M. F. Fenn, New York, N. Y. Means for and method of removing cores from fruit. No. 1,282,402; Oct. 22; v. 255; p. 723.
Fenn, William B., assignor to Wedoit Company, Columbus, Ohio. Machine for removing corn from the cob. No. 1,282,788; Oct. 29; v. 255; p. 856.
Fenn, William B., assignor to Wedoit Company, Columbus, Ohio. Corn-cutting machine. No. 1,282,789; Oct. 29; v. 255; p. 856.
Fenn, William B., assignor to Wedoit Company, Columbus, Ohio. Knife structure for removing green corn from the cob. No. 1,282,790; Oct. 29; v. 255; p. 856.
Fenn, William B., assignor to Wedoit Company, Columbus, Ohio. Machine for cutting green corn from the cob. No. 1,282,791; Oct. 29; v. 255; p. 857.
Fenn, William B., assignor to The Wedoit Company, Columbus, Ohio. Machine for cutting green corn from the cob. No. 1,282,792; Oct. 29; v. 255; p. 857.
Fenneman, Katherine, Chicago, Ill. Woman's burial-robe. No. 1,264,911; May 7; v. 250; p. 10.
Fenner, Annie C. S., executrix. (See Fenner, George P.)
Fenner, George P., deceased; A. C. S. Fenner, executrix, New London, Conn., assignor to The Babcock Printing Press Manufacturing Company. Cylinder-operating device for printing-presses. No. 1,289,717; Dec. 31; v. 257; p. 986.
Fennessy, James H., assignor of one-half to R. C. Ellison, Anderson, Ind. Steering-gear coupling. No. 1,264,042; Apr. 23; v. 249; p. 933.
Fenstermaker, Sidney E. (See Weinshank and Fenstermaker.)
Fent, Oscar, and M. Ravenscroft, Newton, Kans. Shock-absorber for automobile-trailers. No. 1,267,318; May 21; v. 250; p. 735.
Fenton, John A., Oakland, Cal. Treating articles formed of ratan. No. 1,260,973; Mar. 26; v. 248; p. 973.
Fentress, Henry C., Alton, Ill. Device for conveying sounds to moving-picture screens. No. 1,276,198; Aug. 20; v. 253; p. 576.
Fentress, James, Chicago, Ill. Gasolene-proof hose. No. 1,255,867; Feb. 12; v. 247; p. 258.
Fentress, William H., Osceola, Nebr. Wire reeling and unreeling apparatus. No. 1,255,872; Feb. 5; v. 247; p. 260.
Fenwick, Edward T. (See Friedel, Leslie W., assignor.)
Feraldi, Louis F. (See Pavlidés and Feraldi.)
Ferdinand Gutmann & Company. (See Levey, Thomas J., assignor.)
Ferdon, Guy W., Cresskill, N. J. Timing device. No. 1,261,915; Apr. 9; v. 249; p. 292.
Ferdon, Guy W., Cresskill, N. J. Jar-lifter. No. 1,266,112; May 14; v. 250; p. 373.
Ferdon, Guy W., Cresskill, N. J. Clothes-pounder. No. 1,267,649; May 28; v. 250; p. 856.
Ferguson, Charles V., Schenectady, N. Y., assignor to General Electric Company. Incandescent-cathode arc device. No. 1,267,199; May 21; v. 250; p. 705.
Ferguson, Charles V., Schenectady, N. Y., assignor to General Electric Company. Inclosed-arc device. No. 1,267,858; May 28; v. 250; p. 916.
Ferguson, Finton F., Murfreesboro, N. C. Cultivator. No. 1,284,631; Nov. 12; v. 256; p. 338.
Ferguson, George, assignor to Apeldoornsche Maschinenfabriek en Metaalgieterij voorheen Loog Landaal, Apeldoorn, Netherlands. Ammonia-compressor. No. 1,264,043; Apr. 23; v. 249; p. 933.
Ferguson, George, Wollaston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe. No. 1,286,176; Nov. 26; v. 256; p. 805.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fireproofing solution. No. 1,261,736; Apr. 2; v. 249; p. 209.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguishing composition having low freezing-point. No. 1,270,392; June 25; v. 251; p. 720.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Composition having a low freezing-point. No. 1,270,393; June 25; v. 251; p. 720.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguishing composition having a low freezing-point. No. 1,270,394; June 25; v. 251; p. 721.

Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguishing composition having a low freezing-point. No. 1,270,395; June 25; v. 251; p. 721.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguishing composition having a low freezing-point. No. 1,270,396; June 25; v. 251; p. 721.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguishing composition having a low freezing-point. No. 1,270,397; June 25; v. 251; p. 721.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguishing and fireproofing composition. No. 1,271,506; July 2; v. 252; p. 210.
Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguishing and fireproofing composition. No. 1,276,742; Aug. 27; v. 253; p. 763.
Ferguson, George E., assignor to W. E. Silverthorne, New York, N. Y. Treating fibrous materials. No. 1,268,446; June 4; v. 251; p. 108.
Ferguson, Gilbert H., Samantha, Ala. Harrow. No. 1,274,866; Aug. 6; v. 253; p. 150.
Ferguson, Harry G., Belfast, Ireland. Carbureter for internal-combustion engines. No. 1,255,591; Feb. 5; v. 247; p. 139.
Ferguson, John A., Denver, Colo. Mold for tiles. No. 1,272,647; July 16; v. 252; p. 593.
Ferguson, John W. (See Doughty and Ferguson.)
Ferguson, Joseph B., New York, N. Y. Engine. No. 1,258,665; Mar. 12; v. 248; p. 248.
Ferguson, Joseph B., Newark, N. J. Motor-vehicle. No. 1,272,648; July 16; v. 252; p. 593.
Ferguson, Joseph B., New York, N. Y. Oiling system. No. 1,275,236; Aug. 13; v. 253; p. 277.
Ferguson, Joseph W., assignor of one-half to W. J. Steere and one-half to J. A. Huff, Rockwood, Tenn. Trimming and cleaning attachment. No. 1,259,382; Mar. 12; v. 248; p. 452.
Ferguson, Lewis R., Philadelphia, Pa. Reinforced-concrete pile for marine work. No. 1,257,835; Feb. 26; v. 247; p. 909.
Ferguson, Lewis R., Philadelphia, Pa. Reinforced concrete for marine foundations. No. 1,285,091; Nov. 19; v. 256; p. 494.
Ferguson, Lewis R., Philadelphia, Pa., and R. J. Wig, Washington, D. C. Means for controlling the operation of concrete-mixing machines, &c. No. 1,282,558; Oct. 22; v. 255; p. 765.
Ferguson, Marie A., New Haven, Conn. Collar-protector. No. 1,267,394; May 28; v. 250; p. 784.
Ferguson, Mark. (See Ferguson, Price, assignor.)
Ferguson, Milford B., Brooklyn, N. Y., assignor, by mesne assignments, to Package Machinery Company, Boston, Mass. Sealing and wrapping machine. No. 1,254,895; Jan. 29; v. 246; p. 1115.
Ferguson, Price, Tuttle, assignor to M. Ferguson, Blanchard, Okla. Cane or corn topper or header. No. 1,265,710; May 7; v. 250; p. 227.
Ferguson, Raymond M., assignor of one-half to D. Laughray, Grand Rapids, Mich. Form for building silo-blocks. No. 1,273,168; July 23; v. 252; p. 763.
Ferguson, Robert F., Cedar Rapids, Iowa, and T. E. Barnes, Duluth, Minn. Sanitary head-covering. No. 1,258,550; Mar. 5; v. 248; p. 176.
Ferguson, Robert S. (See Dodds and Ferguson.)
Ferguson, Thomas B., Brooklyn, N. Y., assignor to Standard Stove & Light Company. Liquid-fuel burners. No. 1,278,620; Sept. 10; v. 254; p. 374.
Ferguson, Walton, Jr. (See Apostoloff, Serge, assignor.)
Ferguson, William E., Buffalo, N. Y. Automatic lid-releasing device for talking-machine and like cabinets. No. 1,289,718; Dec. 31; v. 257; p. 986.
Fergusson, Alan R., Chicago, Ill. Tire construction. No. 1,255,000; Jan. 29; v. 246; p. 1143.
Fergusson, Alan R., New York, N. Y. Method of and means for mechanical indexing. No. 1,270,934; July 2; v. 252; p. 51.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Making casting-patterns. No. 1,266,113; May 14; v. 250; p. 373.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Casting-pattern. No. 1,266,242; May 14; v. 250; p. 409.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Sole-nail retainer. No. 1,267,065; May 21; v. 250; p. 667.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Laced upper and method of lacing uppers. No. 1,274,700; Aug. 6; v. 253; p. 103.
Fernald, Mark E., Saugus, Mass. Geometrical instrument. No. 1,284,881; Nov. 12; v. 256; p. 402.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Machine for making casting-patterns. No. 1,278,898; Sept. 17; v. 254; p. 479.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Last. No. 1,283,128; Oct. 29; v. 255; p. 949.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Machine for cutting teeth on leader-blanks. No. 1,284,882; Nov. 12; v. 256; p. 403.
Fernald, Mark E., Saugus, assignor to C. C. Blake, Incorporated, Boston, Mass. Last and sole-retaining device therefor. No. 1,284,883; Nov. 12; v. 256; p. 403.
Fernandez, Alphonse, Washington, D. C. Alarm device. No. 1,254,786; Jan. 29; v. 246; p. 1082.
Fernandez, Alphonse, Washington, D. C. Advertising device. No. 1,254,787; Jan. 29; v. 246; p. 1083.
Fernandez, José, Los Angeles, Cal. Water-fountain. No. 1,270,935; July 2; v. 252; p. 52.
Fernandez, José V., Campechuela, assignor to M. Rodriguez y Sol, Trinidad, Santa Clara, Cuba. Non-refillable bottle. No. 1,254,896; Jan. 29; v. 246; p. 1116.
Fernbach, Anne, New York, N. Y. Protector for baby-carriages and the like. No. 1,257,206; Feb. 19; v. 247; p. 688.
Fernholtz, Emil, Los Angeles, Cal. Briquet-machine. No. 1,265,441; May 7; v. 250; p. 157.
Feroldi, Enrico, Turin, Italy. Carbureter. No. 1,253,949; Jan. 15; v. 246; p. 789.
Ferrall, John J. (See Sundheim and Ferrall.)
Ferrandini, Leon A., Wilson, N. C. Bath-cabinet. No. 1,277,709; Sept. 3; v. 254; p. 105.
Ferrara, Edoardo, assignor to S. Sacerdote, Milan, Italy. Shield for workmen. No. 1,265,764; May 14; v. 250; p. 274.
Ferrari, Antonio, Collinsville, Ill. Fume-arrester for smelting plants. No. 1,268,447; June 4; v. 251; p. 108.
Ferrari, Polomedi, and E. Miglioli, East Berlin, Conn. Combined hydroaeroplane and submergible craft. No. 1,288,860; Dec. 24; v. 257; p. 750.
Ferraris, Mario, Milan, Italy. Sparking plug for internal-combustion engines. No. 1,281,322; Oct. 15; v. 255; p. 391.
Ferreira, Sylvester, Honolulu, Hawaii. Scale. No. 1,260,529; Mar. 26; v. 248; p. 848.
Ferrell, Louis, Sikeston, Mo. Hook. No. 1,253,804; Jan. 15; v. 246; p. 748.
Ferren, John R., Boyd, W. Va. Ironing-table. No. 1,255,399; Feb. 5; v. 247; p. 82.
Ferres, Jeffrey T., Los Angeles, Cal. Cutting mechanism for paper-board. No. 1,258,327; Mar. 5; v. 248; p. 110.
Ferres, Jeffrey T., Los Angeles, Cal. Tension mechanism for paper-rolls, &c. No. 1,270,279; June 25; v. 251; p. 688.
Ferretti, Joseph, Jersey City, N. J. Stringed musical instrument. No. 1,275,667; Aug. 13; v. 253; p. 396.
Ferrier, Andrew C., Indiana, Pa. Horseshoe-clamp. No. 1,288,546; Dec. 24; v. 257; p. 675.
Ferris, Charles E., Eaton Rapids, Mich. Lute. No. 1,263,398; Apr. 23; v. 249; p. 757.
Ferris, Harry A., Cheyenne, Wyo. Electrothermostatic device. No. 1,265,765; May 14; v. 250; p. 275.
Ferris, Henry L., assignor to Hunt-Helm-Ferris & Company, Harvard, Ill. Overhead track. No. 1,282,403; Oct. 22; v. 255; p. 723.
Ferris, Henry L., assignor to Hunt-Helm-Ferris & Co., Harvard, Ill. Pig-guard. No. 1,283,712; Nov. 5; v. 256; p. 72.
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Door and track. No. 1,288,861; Dec. 24; v. 257; p. 750.
Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall-frame construction. No. 1,256,457; Feb. 12; v. 247; p. 433.
Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Overhead track. No. 1,271,454; July 2; v. 252; p. 195.
Ferris, John A., Chicago, Ill. Fence-gate. No. 1,268,948; June 11; v. 251; p. 266.
Ferris, Nunez C., assignor to E. F. Boyle, Brooklyn, N. Y. Music-roll perforator. No. 1,257,836; Feb. 26; v. 247; p. 909.
Ferris, Ralph E. (See Hellmund, Ferris, and Perkins.)
Ferris, Ralph E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,255,400; Feb. 5; v. 247; p. 83.
Ferris-Stevenson Corporation. (See Adams, Arthur J., assignor.)
Ferris, Thomas H., Brooklyn, N. Y. Plumbing-fitting. No. 1,273,471; July 23; v. 252; p. 843.
Ferris, Walter, assignor to Bucyrus Company, South Milwaukee, Wis. Propelling mechanism for locomotive-cranes and the like. No. 1,273,472; July 23; v. 252; p. 844.
Ferris, Walter, Milwaukee, Wis., and W. E. Magie, Evansville, Ind. Control for hydraulic transmissions. No. 1,259,090; Mar. 12; v. 248; p. 370.
Ferris, Walter, Milwaukee, S. R. W. M. Bager and M. L. Fykse, assignors to Bucyrus Company, South Milwaukee, Wis. Coal-loading shovel. No. 1,289,426; Dec. 31; v. 257; p. 916.
Ferris, Walter, Milwaukee, assignor to Bucyrus Company, South Milwaukee, Wis. Locomotive-crane. No. 1,289,427; Dec. 31; v. 257; p. 916.
Ferris, Walter, P. Nordstrom, Milwaukee, and W. Lehman, assignors to Bucyrus Company, South Milwaukee, Wis. Anchorage for excavator track-lines. No. 1,281,323; Oct. 15; v. 255; p. 391.

Ferris, Walton C., assignor to National Manufacturing Company, Lincoln, Nebr. Steam-pressure cooker. No. 1,273,347; July 23; v. 252; p. 810.
Ferris, William E., East Cleveland, assignor to The Ohio Trailer Company, Cleveland, Ohio. Double-end spring-hanger. No. 1,289,140; Dec. 31; v. 257; p. 844.
Ferris, William E., East Cleveland, assignor to The Ohio Trailer Company, Cleveland, Ohio. Shock-absorbing and universal-joint draw-bar. No. 1,289,141; Dec. 31; v. 257; p. 844.
Ferris, William S. (See Turner, Samuel J., assignor.)
Ferris, William W., Providence, assignor to E. W. Martin, Barrington, L. C. Martin, Providence, R. I.; G. C. Bleecker, Chicago, Ill., and W. C. Martin, Providence, R. I., trustees. Mounting for rimless eyeglasses. No. 1,262,475; Apr. 9; v. 249; p. 447.
Ferriss, Edward, assignor to W. J. Schwab, Minneapolis, Minn. Indestructible marking device for castings. No. 1,251,491; Jan. 1; v. 246; p. 12.
Fertig, Charles W., and A. J. May, assignors to The Ritter Dental Manufacturing Co., Rochester, N. Y. Retarding mechanism for movable rests. No. 1,259,972; Mar. 19; v. 248; p. 655.
Fertig, Clara and H. W., Omaha, Nebr. Combined shade and curtain fixture. No. 1,260,530; Mar. 26; v. 248; p. 848.
Fertig, Henry W. (See Fertig, Clara and H. W.)
Feser, Edward J., and M. L. Peoples, Philadelphia, Pa. Toy gun. No. 1,266,243; May 14; v. 250; p. 409.
Fesler, Joel B., New York, N. Y. Container for soap paste and other liquid and semiliquid materials. No. 1,254,667; Jan. 29; v. 246; p. 1044.
Fesler, Milton A. (See Stancliffe, Cecil W., assignor.)
Fesler, Milton A., San Francisco, Cal. Centrifugal oil-burner. No. 1,255,592; Feb. 5; v. 247; p. 139.
Fessenden, Everett W., and H. A. Dunn, Lynn, Mass. Insole for boots and shoes. No. 1,269,528; June 11; v. 251; p. 425.
Fessenden, Reginald A., Brookline, Mass. Gun-sight. No. 1,265,766; May 14; v. 250; p. 275.
Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Waterville, Me. Method and apparatus for producing alternating currents. No. 1,265,068; May 7; v. 250; p. 55.
Fessenden, Reginald A., Brookline, Mass. Method and apparatus for agricultural engineering. No. 1,268,949; June 11; v. 251; p. 266.
Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Method and apparatus for transmitting and receiving sound-waves through ground. No. 1,270,398; June 25; v. 251; p. 721.
Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Sound-producer. No. 1,277,562; Sept. 3; v. 254; p. 63.
Fessler, Frank, Woodbridge, N. J. Wrench. No. 1,256,216; Feb. 12; v. 247; p. 363.
Fetcher, Martin B., Detroit, assignor to L. A. Young, Highland Park, Mich. Pneumatic tool. No. 1,258,206; Mar. 5; v. 248; p. 74.
Fetcher, Martin B., Detroit, assignor of one-half to L. A. Young, Highland Park, Mich. Universal joint. No. 1,286,267; Dec. 3; v. 257; p. 21.
Fetheroif, Stephen B., Cincinnati, Ohio. Locking towel-rack. No. 1,289,428; Dec. 31; v. 257; p. 917.
Fetsch, William A., St. Paul, Minn. Guard for match-boxes. No. 1,265,069; May 7; v. 250; p. 55.
Fetterly, John F. (See Pease and Fetterly.)
Fetzer, Orlando C., Sterling, Ohio. Safety-pin. No. 1,257,207; Feb. 19; v. 247; p. 688.
Fetzer, William, Springfield, Ill. Disk harrow. No. 1,281,324; Oct. 15; v. 255; p. 392.
Fetzer, William, Springfield, Ill. Seed-drill. No. 1,281,325; Oct. 15; v. 255; p. 392.
Feuling, Eugene J. (See Townsley, Harlie A., assignor.)
Feuser, Conrad, Bloomfield, N. J. Safety-valve. No. 1,284,079; Nov. 5; v. 256; p. 169.
Fey, Charles A. (See Vaughn, John L., assignor.)
Fey, Robert E., Highland Park, assignor of one-third to M. M. Hertz and one-third to H. J. Lippman, Detroit, Mich. Shipping-bracket for vehicles. No. 1,261,113; Apr. 2; v. 249; p. 35.
Feybusch, Martin, Sea Cliff, N. Y. Machine for coating labels and similar articles with adhesive. No. 1,279,311; Sept. 17; v. 254; p. 590.
Feybusch, Martin, Sea Cliff, N. Y. Machine for covering boxes. No. 1,279,312; Sept. 17; v. 254; p. 590.
Feyzes, Henry J., assignor of one-half to The Peters Machine & Mfg. Company, Cleveland, Ohio. Pump. No. 1,265,070; May 7; v. 250; p. 56.
Fiala, Joseph, Jr., Cedar Rapids, Iowa. Framing-clip. No. 1,260,531; Mar. 26; v. 248; p. 849.
Fiala, Joseph S., Chicago, Ill. Washbench. No. 1,289,719; Dec. 31; v. 257; p. 986.
Fiber Barrel Machinery & Manufacturing Company. (See Herr, Henry C., assignor.)
Fiber Making Processes. (See Berger and Guettler, assignors.)
Fiber Making Processes. (See Guettler, Herbert, assignor.)
Fibre Machinery Company. (See Grove, Winfield S., assignor.)
Fichten, Frank M., Milwaukee, Wis. Bed-spring brace. No. 1,253,805; Jan. 15; v. 246; p. 749.
Fichtenbaum, Oscar, Brooklyn, N. Y. Convertible sofa. No. 1,255,146; Feb. 5; v. 247; p. 10.
Fickes, Edwin S., Pittsburgh, Pa. Production of hydrofluoric acid. No. 1,288,400; Dec. 17; v. 257; p. 611.
Ficklen, William E., New York, N. Y. Metal-protecting device. No. 1,278,899; Sept. 17; v. 254; p. 480.
Ficklen, William E., College Point, N. Y., assignor to Clip Bar Manufacturing Company, Philadelphia, Pa. Edge-protector for artificial stone. No. 1,257,686; Feb. 26; v. 247; p. 864.
Fiddler, George N., Pollock, S. D. Traction-wheel. No. 1,265,637; May 7; v. 250; p. 207.
Fidelty Brass Manufacturing Company. (See Armstrong, Harry H., assignor.)
Fidelity Brass Manufacturing Company. (See Moorhouse, William F., assignor.)
Fidelity Brass Manufacturing Company. (See Strobot, John J., assignor.)
Fidiam, James F., and F. F. Peralta, Greeley, Colo. Two-way folding seat. No. 1,277,054; Aug. 27; v. 253; p. 844.
Field, Allan B., Cheshire, England. Shaft-oscillator for rotaries. No. 1,281,326; Oct. 15; v. 255; p. 392.
Field, Allan B., Westcliff-on-Sea, England, and E. Fornander, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Coil retaining and ventilating means. No. 1,266,571; May 21; v. 250; p. 528.
Field, Allan B., West Cliff-on-Sea, England, assignor to Westinghouse Electric and Manufacturing Company. Coil-support for dynamo-electric machines. No. 1,267,996; May 28; v. 250; p. 953.
Field, Allan B., West Cliff-on-Sea, England, assignor to Westinghouse Electric and Manufacturing Company. Coil-supporting means. No. 1,267,997; May 28; v. 250; p. 954.
Field, Allan B., West Cliff-on-Sea, England, and B. A. Behrend, Boston, Mass., assignors to Westinghouse Electric and Manufacturing Company. Coil-retaining means. No. 1,269,590; June 18; v. 251; p. 475.
Field, Ashbel L., Fort Lauderdale, Fla. Attachment for wind-shields. No. 1,264,044; Apr. 23; v. 249; p. 934.
Field, Bernard. (See Grinberg and Field.)
Field, Ewart S. (See Desparois, Harry A., assignor.)
Field, Hardin G., Denver, Colo. Rotary valve for internal-combustion engines. No. 1,253,364; Jan. 15; v. 246; p. 623.
Field, J. W. (See Peters, Walter J., assignor.)
Field, Jesse A., deceased, by J. Powell, administrator, Dunkirk, N. Y., assignor to M. E. Field, Cleveland, Ohio. Molding-machine. No. 1,287,937; Dec. 17; v. 257; p. 499.
Field, Mervin J., Trenton, N. J. Combined snow plow and shovel. No. 1,278,621; Sept. 10; v. 254; p. 374.
Field, Millard F., Winthrop, Mass. Fender. No. 1,256,781; Feb. 19; v. 247; p. 564.
Field, Millard F., Winthrop, Mass., assignor to American Warp Drawing Machine Company. Warp-thread-selecting device. No. 1,282,059; Oct. 22; v. 255; p. 628.
Field, Millard F., Winthrop, Mass. Picker-stick check. No. 1,286,570; Dec. 3; v. 257; p. 95.
Field, Mollie E. (See Field, Jesse A., assignor.)
Field, Oscar S., Elizabeth, N. J., assignor to Hall Switch & Signal Co. Contact-finger. No. 1,269,917; June 18; v. 251; p. 566.
Field, Oscar S., Elizabeth, N. J., assignor to Hall Switch & Signal Co. Interlocking relay. No. 1,279,681; Sept. 24; v. 254; p. 717.
Field, Oscar S., New York, N. Y., assignor to Hall Switch & Signal Co. Alternating-current relay. No. 1,272,410; July 16; v. 252; p. 524.
Field, Robert, Huddersfield, England. Musical wind instrument. No. 1,284,280; Nov. 12; v. 256; p. 250.
Field, Samuel B., Holbrook, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Moisture-proof package and making the same. No. 1,264,497; Apr. 30; v. 249; p. 1093.
Field, Samuel B., Holbrook, assignor of one-fourth to Pneumatic Scale Corporation and three-fourths to W. Doble, Quincy, Mass. Hollow panel. No. 1,284,281; Nov. 12; v. 256; p. 251.
Field, Thomas H., Archbold, Ohio. Pipe-thread-cutting machine. No. 1,259,973; Mar. 19; v. 248; p. 655.
Field, William M., *et al.* (See Vanderkleed and Brewer, assignors.)
Fielder, Sophia, assignor of one-half to M. T. Anderson, Bowdle, S. D. Window-screen. No. 1,282,206; Oct. 22; v. 255; p. 669.
Fieldhouse, Frederick W., Detroit, Mich. Vise attachment for milling-machines or the like. No. 1,256,217; Feb. 12; v. 247; p. 364.
Fields, Charles C. (See Fields, Robert J., assignor.)
Fields, Claude F. (See Hall and Fields.)
Fields, John M, San Francisco, Cal. Shadow-dial compass. No. 1,270,505; June 25; v. 251; p. 752.
Fields, Robert J., assignor of one-half to C. C. Fields, Baltimore, Md. Shirt. No. 1,276,631; Aug. 20; v. 253; p. 696.

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Fietsch, Herman, Jr., assignor of one-half to Rueckheim Bros. & Eckstein, Chicago, Ill. Moisture-proof paper package or carton. No. 1,269,918; June 18; v. 251; p. 566.
Fife, Robert F., Canton, Ohio. Stack-flashing. No. 1,258,884; Mar. 12; v. 248; p. 311.
Fife, William B., Wallasey Village, England. Edge-tool. No. 1,282,404; Oct. 22; v. 255; p. 724.
Fifield, Albert F., Newark, N. J. assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,273,348; July 23; v. 252; p. 810.
Fifield, Chester C., Des Moines, Iowa. Display-rack for linoleum, screen-wire, and the like. No. 1,259,007; Mar. 12; v. 248; p. 347.
Fifield, William A., Abbey, Saskatchewan, Canada. Socket-wrench. No. 1,281,928; Oct. 15; v. 255; p. 554.
Fifield, William A., Abbey, Saskatchewan, Canada. Roller attachment for grain-drills. No. 1,286,268; Dec. 3; v. 257; p. 21.
Fifield, William A., Abbey, Saskatchewan, Canada. Rotary engine. No. 1,288,547; Dec. 24; v. 257; p. 675.
Figg, Robert M., Le Mars, Iowa. Gold-catching dental-cuspidor attachment. No. 1,265,898; May 14; v. 250; p. 312.
Figgins, Archibald, Richmond, assignor to J. H. Nathan, St. Kilda, Victoria, Australia. Flux for use in brazing cast-iron and other metals. No. 1,275,412; Aug. 13; v. 253; p. 326.
Figgis, Walter W., Brooklyn, assignor to Whitall Tatum Company, New York, N. Y. Atomizer. No. 1,261,503; Apr. 2; v. 249; p. 145.
Fijalkowski, Anthony S. (See Lewandowski, Leon, assignor.)
Filbar Electric Heater, The. (See Smith, William H., assignor.)
Filbin, James D., Cleveland, Ohio, assignor to Municipal Engineering and Contracting Company. Combined flusher and sprinkler nozzle. No. 1,273,349; July 23; v. 252; p. 810.
Filiewicz, Harry, Aberdeen, Wash. Sunken-ship signal. No. 1,253,583; Jan. 15; v. 246; p. 686.
Filippo, Hendrik and P. Schoonenberg, assignors of one-third to Naamlooze Vennootschap Philips Metaal-Gloeilampentfabriek, Eindhoven, Emmasingel, Netherlands. Apparatus for the liquefaction and rectification of air. No. 1,257,470; Feb. 26; v. 247; p. 800.
Filippone, Peter, Newark, N. J. Concrete floor and ceiling construction. No. 1,275,668; Aug. 13; v. 253; p. 396.
Filipponi, Attie. (See Schmidt and Filipponi.)
Filmusic Company. (See Myers, Edgar W., assignor.)
Filstrup, Eddie C., assignor to Covel Manufacturing Company, Benton Harbor, Mich. Saw-grinding machine. No. 1,260,974; Mar. 26; v. 248; p. 973.
Filzer, Christian G., Erie, Pa. Hydrocarbon-torch. No. 1,274,403; Aug. 6; v. 253; p. 17.
Finaly, William, and W. A. Handelman, Bridgeport, Conn. Extension bed-spring. No. 1,280,695; Oct. 8; v. 255; p. 187.
Finch, Henry P., Butte, Mont. Oil-can. No. 1,282,793; Oct. 29; v. 255; p. 857.
Finch, Herbert I. (See Meston and Finch.)
Finch, Herbert I., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Revolving ventilating-fan. No. 1,267,752; May 28; v. 250; p. 883.
Finch, Herbert I., and T. M. Meston, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Adjusting device for oscillating fans. No. 1,256,121; Feb. 12; v. 247; p. 333.
Finch, Walter S., Greenville, S. C. Picker-stick check for looms. No. 1,255,725; Feb. 5; v. 247; p. 177.
Finch, Walter S., Greenville, S. C. Picker-stick check for looms. No. 1,255,830; Feb. 5; v. 247; p. 207.
Finder, Harold J., trustee. (See Korf, Samuel, assignor.)
Findley, John P., Knoxville, Pa. Toy vehicle. No. 1,287,661; Dec. 17; v. 257; p. 430.
Fine, Robert C., Los Angeles, Cal. Suspensory jock-strap. No. 1,284,632; Nov. 12; v. 256; p. 338.
Fine, William H., assignor of one-fourth to W. D. Forster, Goldfield, Nev. Automatic lock-nut. No. 1,263,217; Apr. 16; v. 249; p. 688.
Finegan, Frederic A., Flushing, N. Y. Ventilator unit. No. 1,285,968; Nov. 26; v. 256; p. 754.
Finegan, Samuel B., Eugene, Oreg. Spring-forming machine. No. 1,276,639; Aug. 20; v. 253; p. 698.
Finerud, Arthur E., assignor to E. E. Finerud, Lanesboro, Minn. Leaf-spring spreader. No. 1,279,528; Sept. 24; v. 254; p. 672.
Finerud, Edward E. (See Finerud, Arthur E., assignor.)
Fingado, Augusta, Wauwatosa, Wis. Drying-frame. No. 1,282,682; Oct. 22; v. 255; p. 799.
Fingler, Carl, and J. M. Gibb, Providence, R. I. Tag-holder. No. 1,282,560; Oct. 22; v. 255; p. 766.
Fink, Colin G., and W. E. Koerner, East Orange, N. J., assignors to General Electric Company. Leading-in conductor. No. 1,273,758; July 23; v. 252; p. 919.
Fink, Edgar J. (See Nace and Fink.)
Fink, Joseph P. (See Cook and Fink.)
Finkbeiner, Charles K., Laurens, S. C., assignor to Parti-Colored Glass Bottle Company, Washington, D. C. Making glass bottles and similar articles. No. 1,266,785; May 21; v. 250; p. 589.
Finkbeiner, Charles K., Laurens, S. C., assignor to Parti-Colored Glass Bottle Company, Washington, D. C. Apparatus for manufacturing glass bottles and similar articles. No. 1,266,786; May 21; v. 250; p. 589.
Finkbeiner, Daniel T., Freeport, Pa. Illuminating device. No. 1,263,315; Apr. 16; v. 249; p. 712.
Finkelstein, Meyer N., Greenwich, Conn. Lamp. No. 1,273,473; July 23; v. 252; p. 844.
Finkelstein, Morris F., New York, N. Y. Tap-connector for electric conductors. No. 1,266,440; May 14; v. 250; p. 460.
Finkelstein, Morris F., New York, N. Y. Electric connector. No. 1,266,441; May 14; v. 250; p. 461.
Finkenhagen, Jacob, Ellsworth, Iowa. Combined letter-sheet and envelop. No. 1,288,548; Dec. 24; v. 257; p. 676.
Finlay, William R., San Francisco, Cal. Demountable rim. No. 1,284,633; Nov. 12; v. 256; p. 338.
Finlayson, Alexander W., Detroit, Mich. Radiator. No. 1,286,978; Dec. 10; v. 257; p. 228.
Finlayson, Murdo G., Chicago, Ill. Safety-anchor for window-cleaners. No. 1,274,404; Aug. 6; v. 253; p. 17.
Finley, Charles F., Fort Collins, Colo. Horse hay-rake. No. 1,251,492; Jan. 1; v. 246; p. 12.
Finley, Ernest D., assignor of one-half to F. W. Buffum, Louisiana, Mo. Air-brake for railway-trains. No. 1,276,048; Aug. 20; v. 253; p. 534.
Finley, Ernest D., assignor of one-half to F. W. Buffum, Louisiana, Mo. Air-brake for railway-trains. No. 1,276,049; Aug. 20; v. 253; p. 534.
Finley, Fannie, Chaffee, Mo. Patient's transporting and treating apparatus. No. 1,270,136; June 18; v. 251; p. 624.
Finley, Frank W. A. (See Leonard and Gearing, assignors.)
Finley, James A., Chicago, Ill. Tie-slip. No. 1,280,433; Oct. 1; v. 255; p. 88.
Finley Robertson Porter Co. (See Porter, Finley R., assignor.)
Finley, Thomas M., Westplains, Mo. Aerocruiser. No. 1,265,638; May 7; v. 250; p. 208.
Finley, Thomas M., Westplains, Mo. Plane for airships. No. 1,265,639; May 7; v. 250; p. 208.
Finley, Thomas M., Oran, Mo. Lifting and balancing means for airships. No. 1,287,938; Dec. 17; v. 257; p. 500.
Finley, Walter H., assignor to Fairmont Mining Machine Company, Fairmont, W. Va. Safety-gate for mine-shafts. No. 1,276,199; Aug. 20; v. 253; p. 576.
Finn, Charles C., Seattle, Wash. Autographic device for cameras. No. 1,272,029; July 9; v. 252; p. 391.
Finn, David, Merrill, Wis. Railway-tie. No. 1,262,764; Apr. 16; v. 249; p. 559.
Finne, William L., Elizabeth, N. J. Coil-box for condensers. No. 1,251,493; Jan. 1; v. 246; p. 12.
Finne, William L., Elizabeth, N. J. Rail-chair. No. 1,253,020; Jan. 8; v. 246; p. 492.
Finnell, Walter S., assignor to Finola Manufacturing Company, Hannibal, Mo. Pulley for floor-scrubbing machines. No. 1,275,887; Aug. 13; v. 253; p. 458.
Finney, George E., Ruston, La. Derrick for use upon vehicles. No. 1,264,289; Apr. 30; v. 249; p. 1035.
Finney, John H. V., and S. A. Walker, Boulder, Colo. Carbureter attachment. No. 1,262,317; Apr. 9; v. 249; p. 402.
Finney, Knute I., Chicago, Ill. Finger-exercising device. No. 1,256,004; Feb. 12; v. 247; p. 299.
Finney, William H. (See Fargo and Case, assignors.)
Finney, William H., Trenton, N. J. Tip-holder for billiard-cues. No. 1,260,173; Mar. 19; v. 248; p. 709.
Finnie, Herman V., assignor to The Canadian Crocker Wheeler Co., Limited, St. Catherines, Ontario, Canada. Electrical heating-furnace. No. 1,279,313; Sept. 17; v. 254; p. 591.
Finnigan, James H., assignor of one-third to C. C. Hansen and one-third to M. Burk, Noxon, Mont. Screw-driver. No. 1,269,413; June 11; v. 251; p. 395.
Finnila, August, *et al.* (See Townsend, Charley C., assignor.)
Finola Manufacturing Company. (See Finnell, Walter S., assignor.)
Finucan, Ray T., Marshfield, Wis. Towel-holder. No. 1,285,657; Nov. 26; v. 256; p. 676.
Fireman, Peter, Trenton, N. J., assignor to Magnetic Pigment Company, New York, N. Y. Utilization of sulfuric-acid pickle liquors. No. 1,287,939; Dec. 17; v. 257; p. 500.
Firestone Steel Products Company. (See Richards, Archer W., assignor.)
Firestone Tire & Rubber Company, The. (See Arens, Rudolph J., assignor.)
Firestone Tire and Rubber Company, The. (See Bean and Hennessy, assignors.)
Firestone Tire & Rubber Company, The. (See Clough, Lee, assignor.)
Firestone Tire & Rubber Company, The. (See Greenwald, Lemon, assignor.)
Firestone Tire & Rubber Company, The. (See Hargraves, Albert, assignor.)
Firestone Tire & Rubber Company, The. (See Moyer, Fredellia H., assignor.)

Firestone Tire and Rubber Company, The. (See Putt, Edward D., assignor.)
Firestone Tire & Rubber Company, The. (See Steele, Charles W., assignor.)
Firestone Tire & Rubber Company, The. (See Stevens, William C., assignor.)
Firestone Tire & Rubber Company, The. (See Witsaman, Clement L., assignor.)
Firl, Milton, Meyersdale, Pa. Coal-auger. No. 1,280,696; Oct. 8; v. 255; p. 187.
First Trust and Savings Company, The, *et al.*, trustees. (See Sommer, William H., assignor.)
Fisch, B. M. (See Katzke, Albert, assignor.)
Fisch, William, Birmingham, Ala. Baking-oven. No. 1,254,318; Jan. 22; v. 246; p. 916.
Fisch, William F. L., Birmingham, Ala. Heating means for baking ovens. No. 1,268,337; June 4; v. 251; p. 76.
Fischel, Rudolph E. (See Rosen and Fischel.)
Fischbeck, Frederick, Pasadena, Cal. Direction-indicator for automobiles. No. 1,287,940; Dec. 17; v. 257; p. 500.
Fische, Arthur H., Indianapolis, Ind. Non-glossing sponging press-cloth. No. 1,289,142; Dec. 31; v. 257; p. 844.
Fischer, Adalbert W., Philadelphia, Pa. Apparatus for condensing steam. No. 1,284,080; Nov. 5; v. 256; p. 170.
Fischer, Albert C., Kansas City, Mo. Combined nail holding and spacing means. No. 1,263,218; Apr. 16; v. 249; p. 688.
Fischer, Albert C., Kansas City, Mo. Seam-cleat for sheet-roofing. No. 1,263,219; Apr. 16; v. 249; p. 688.
Fischer, Charles. (See Johnson, John E., assignor.)
Fischer, Charles E., West Harrison, Ind., assignor to The Campbell Bros. Manufacturing Company, Harrison, Ohio. Planter. No. 1,269,591; June 18; v. 251; p. 475.
Fischer, Charles D., and S. A. Vernon, Folsom, N. Mex. Door-latch. No. 1,286,857; Dec. 3; v. 257; p. 159.
Fischer, Elvira R., Seattle, Wash. Automobile-bed. No. 1,259,220; Mar. 12; v. 248; p. 406.
Fischer, Emil, New York, N. Y. Upper for shoes. No. 1,289,720; Dec. 31; v. 257; p. 987.
Fischer, Emil H., assignor to The Heinn Company, Milwaukee, Wis. Temporary or loose-leaf binder. No. 1,282,060; Oct. 22; v. 255; p. 629.
Fischer, Emmett N., Bristol, Ind. Trousers and necktie holder. No. 1,276,513; Aug. 20; v. 253; p. 663.
Fischer, Frank, Paterson, N. J. Repeating jacquard-cards. No. 1,268,825; June 11; v. 251; p. 232.
Fischer, Fred C., Robstown, Tex. Aerocompass. No. 1,253,190; Jan. 8; v. 246; p. 542.
Fischer, Harry H., Cincinnati, Ohio. Plate-rack. No. 1,253,950; Jan. 15; v. 246; p. 790.
Fischer, Herman G., Chicago, Ill., assignor of one-half to H. A. Thompson, Leesburg, Va. Ventilated spark-gap. No. 1,260,355; Mar. 26; v. 248; p. 796.
Fischer, Herman G., and P. P. Musket, Chicago, Ill. Physician's electrical-appliance control. No. 1,260,354; Mar. 26; v. 248; p. 796.
Fischer, Hermann, Schaffhausen, Switzerland. Document-cabinet. No. 1,277,893; Sept. 3; v. 254; p. 155.
Fischer, Joseph B., Chicago, Ill. Extensible ballot-box. No. 1,285,092; Nov. 19; v. 256; p. 494.
Fischer, Joseph W., Brooklyn, N. Y. Razor. No. 1,264,045; Apr. 23; v. 249; p. 934.
Fischer, Michael, Richmond, Cal. Welding-torch. No. 1,276,893; Aug. 27; v. 253; p. 801.
Fischer, Otto, assignor to Firm of R. Bosch, Stuttgart, Germany. Shaping fiber articles. No. 1,275,888; Aug. 13; v. 253; p. 458.
Fischer, Paolo, Chicago, Ill. Electrode-holder for electric furnaces. No. 1,259,842; Mar. 19; v. 248; p. 616.
Fischer, Samuel, Los Angeles, Cal. Safety-guard for foot-pedals. No. 1,277,207; Aug. 27; v. 253; p. 887.
Fischer, William C., New York, N. Y. Spark-plug. No. 1,267,531; May 28; v. 250; p. 822.
Fischer, William R., assignor to Koehler & Hinrichs Co., St. Paul, Minn. Cooler for beverages. No. 1,258,101; Mar. 5; v. 248; p. 45.
Fiset, Antoine, Quebec, Quebec, Canada. Hay-press. No. 1,265,185; May 7; v. 250; p. 87.
Fish, Frederick K., Jr., assignor to Lumber Tie and Timber Vulcanizing Company, New York, N. Y. Drier. No. 1,272,649; July 16; v. 252; p. 592.
Fish, Glenn D., Norwalk, Ohio. Mail-box. No. 1,256,543; Feb. 19; v. 247; p. 494.
Fish, Harold, Stratford, assignor to The Ready Tool Company, Bridgeport, Conn. Cutting-tool. No. 1,271,299; July 2; v. 252; p. 154.
Fish, Herbert L., Bakersfield, Cal., assignor, by mesne assignments, to Automatic Electric Company. Automatic telephone-exchange system. No. 1,274,357; July 30; v. 252; p. 1123.
Fish, Leslie B., St. Paul, Minn. Tractor. No. 1,260,259; Mar. 19; v. 248; p. 734.
Fish, Leslie B., Chicago, Ill. Tractor. No. 1,278,452; Sept. 10; v. 254; p. 327.
Fishack, Edmond H., Gypsum, Ohio. Machine for manufacturing plaster-board. No. 1,253,676; Jan. 15; v. 246; p. 713.
Fishel, Theodore K., New York, N. Y. Automobile-locking device. No. 1,285,093; Nov. 19; v. 256; p. 494.
Fisher, Abraham, New York, N. Y. Shirt. No. 1,264,046; Apr. 23; v. 249; p. 934.
Fisher, Albert H., Lincoln, Nebr. Tire-wrapping machine. No. 1,265,640; May 7; v. 250; p. 208.
Fisher, Alexander M. (See Evans and Fisher.)
Fisher, Alfred, Chicago, Ill. Melting-furnace. No. 1,258,666; Mar. 12; v. 248; p. 249.
Fisher, Alonzo, Santa Maria, Cal. Oil-burner. No. 1,287,272; Dec. 10; v. 257; p. 304.
Fisher, Alva J., Evanston, Ill., assignor to Hurley Machine Company, Chicago, Ill. Vacuum-cleaner. No. 1,286,571; Dec. 3; v. 257; p. 95.
Fisher, Aubrey H., assignor of one-half to A. R. Newman, Pukwana, S. D. Shoe-fastener. No. 1,267,753; May 28; v. 250; p. 884.
Fisher, August J., Camas, Wash. Swivel. No. 1,278,622; Sept. 10; v. 254; p. 374.
Fisher, Austin C., assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. No. 1,268,950; June 11; v. 251; p. 266.
Fisher, Austin C., assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. No. 1,276,743; Aug. 27; v. 253; p. 763.
Fisher Body Corporation. (See Allmand, John T., assignor.)
Fisher Body Corporation. (See Fox, Edward W., assignor.)
Fisher Body Corporation. (See Gates, Louis W., assignor.)
Fisher Body Corporation. (See Simpson, Emory G., assignor.)
Fisher, Charles H., Carrollton, Ohio. Dirigible-lamp apparatus. No. 1,263,399; Apr. 23; v. 249; p. 757.
Fisher, Charles J., Niagara Falls, N. Y. Lathe-chuck. No. 1,253,224; Jan. 15; v. 246; p. 580.
Fisher, Clarence G., Rochester, N. Y. Paper-fastener. No. 1,280,434; Oct. 1; v. 255; p. 89.
Fisher, David H., Albany, N. Y. Paper-holding device. No. 1,255,726; Feb. 5; v. 247; p. 178.
Fisher, Edwin H. (See Foote and Fisher.)
Fisher, Elzie H., and W. H. Foye, Seattle, Wash. Radiator-repair device. No. 1,254,319; Jan. 22; v. 246; p. 916.
Fisher, Emmett, Quincy, Ill., Sash-fastener. No. 1,273,169; July 23; v. 252; p. 763.
Fisher, Ernest F., Pittsburgh, Pa., assignor to General Electric Company. Fluid-flow-indicating meter. No. 1,255,523; Feb. 5; v. 247; p. 118.
Fisher, Ernest F., Pittsburgh, Pa. Refrigerating apparatus. No. 1,282,207; Oct. 22; v. 255; p. 669.
Fisher, Estell. (See Bricker and Fisher.)
Fisher, Frank E., Detroit, Mich. Means for supporting electric lighting and starting units. No. 1,273,170; July 23; v. 252; p. 763.
Fisher, Frank E., Detroit, Mich. Engine-starter. No. 1,288,549; Dec. 24; v. 257; p. 676.
Fisher, Frank L., assignor of one-half to W. N. Boggess, Decatur, Ill. Telephone system. No. 1,285,969; Nov. 26; v. 256; p. 754.
Fisher, Frank L., Indianapolis, Ind., assignor of one-half to W. N. Boggess, Decatur, Ill. Prepay-box for telephones. No. 1,285,970; Nov. 26; v. 256; p. 755.
Fisher, Fred M., Neavitt, assignor of one-third to W. T. Jones, Baltimore, Md. Ridging attachment for planters. No. 1,260,174; Mar. 19; v. 248; p. 709.
Fisher, Frederick J. (See Johnson and Fisher.)
Fisher, George F., Roselle, N. J., assignor to Morgan and Wright. Tire. No. 1,258,615; Mar. 5; v. 248; p. 195.
Fisher, George F., Plainfield, N. J., and R. B. Price, New York, N. Y., assignors to The Hartford Rubber Works Company. Tire-building machine. No. 1,264,170; Apr. 30; v. 249; p. 1001.
Fisher, George F., Roselle, N. J., assignor to The Hartford Rubber Works Co. Tire and making same. No. 1,271,880; July 9; v. 252; p. 347.
Fisher, George F., Roselle, N. J., assignor to Morgan & Wright. Tire-building machine. No. 1,288,862; Dec. 24; v. 257; p. 750.
Fisher, H. Wallace. (See Fisher, John A., assignor.)
Fisher, Harry, London, England. Life-boat. No. 1,265,186; May 7; v. 250; p. 88.
Fisher, Harvey L., assignor to Donaldson & Fisher Company, Chicago, Ill. Machine for picking cotton from the plant. No. 1,262,030; Apr. 9; v. 249; p. 323.
Fisher, Harvey L., assignor to Donaldson & Fisher Company, Chicago, Ill. Cotton-picking machine. No. 1,262,031; Apr. 9; v. 249; p. 323.
Fisher, Harvey L., assignor to Donaldson & Fisher Company, Chicago, Ill. Differential and axle housing. No. 1,289,143; Dec. 31; v. 257; p. 844.
Fisher, Henry L., assignor to Landis Machine Co., Waynesboro, Pa. Cutter-head. No. 1,289,721; Dec. 31; v. 257; p. 987.
Fisher, Henry W., Huguenot Park, New York, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable construction. No. 1,266,006; May 14; v. 250; p. 342.
Fisher, Henry W., Huguenot Park, N. Y., assignor to Standard Underground Cable Company, Pittsburgh, Pa. Manufacturing electrical cables. No. 1,282,208; Oct. 22; v. 255; p. 670.

Fisher, Herbert E., San Francisco, Cal. Type-plate. No. 1,285,094; Nov. 19; v. 256; p. 495.
Fisher, Ira C., Flint, Mich. Folding crate. No. 1,286,572; Dec. 3; v. 257; p. 95.
Fisher, Ira W., Idagrove, assignor of one-third to M. Murray, Clinton, Iowa. Furnace grate-bar. No. 1,282,794; Oct. 29; v. 255; p. 857.
Fisher, James B. (See Mackie and Fisher.)
Fisher, James E. (See Scofield, Esther, assignor.)
Fisher, James P., Bartlesville, Okla. Apparatus for separating entrained liquids from gases. No. 1,273,595; July 23; v. 252; p. 876.
Fisher, James P., Bartlesville, Okla. Steam-generator. No. 1,273,596; July 23; v. 252; p. 877.
Fisher, James P., Bartlesville, Okla. Multiple orifice-meter. No. 1,273,597; July 23; v. 252; p. 877.
Fisher, James P., Bartlesville, Okla. Means for controlling orifice-meters. No. 1,287,273; Dec. 10; v. 257; p. 304.
Fisher, James P., Bartlesville, Okla. Gas-measuring device. No. 1,287,274; Dec. 10; v. 257; p. 304.
Fisher, John A., Homestead, assignor of one-half to H. W.
Fisher, John B., Port Richmond, N. Y. Plate-lifter. No. 1,285,095; Nov. 19; vol. 256; p. 495.
Fisher, John T., East Cleveland, Ohio. Windmill or wind-motor. No. 1,283,129; Oct. 29; v. 255; p. 949.
Fisher, Joseph O., U. S. Navy. Method of and apparatus for injecting fuel into combustion-chambers. No. 1,252,254; Jan. 1; v. 246; p. 235.
Fisher, McKeesport, Pa. Amusement device. No. 1,286,177; Nov. 26; v. 256; p. 805.
Fisher, Michael, Providence, R. I. Steering-gear lock for motor-vehicles. No. 1,262,656; Apr. 16; v. 249; p. 527.
Fisher, Milan H., assignor to Donaldson & Fisher Company, Chicago, Ill. Sprocket-chain. No. 1,266,572; May 21; v. 250; p. 528.
Fisher, Milton E. (See Upton, Fisher, and Wolf.)
Fisher, Raymond B. (See Miller and Fisher.)
Fisher, Raymond, Philadelphia, Pa. Knitting-machine. No. 1,285,096; Nov. 19; v. 256; p. 495.
Fisher, Raymond F., Philadelphia, Pa. Sinker mechanism. No. 1,281,933; Oct. 15; v. 255; p. 555.
Fisher, Theobald G., Omro, Wis. Whey-channel for cheese-vats. No. 1,266,670; May 21; v. 250; p. 557.
Fisher, Warren, New Orleans, La. Grate. No. 1,255,727; Feb. 5; v. 247; p. 178.
Fisher, Warren, New Orleans, La. Bearing-bar for grates. No. 1,255,728; Feb. 5; v. 247; p. 178.
Fisher, William, Bradford, England. Mechanical movement. No. 1,279,529; Sept. 24; v. 254; p. 672.
Fisk, Clark F., Trenton, N. J. Tire-tube and constructing same. No. 1,264,381; Apr. 30; v. 249; p. 1060.
Fisk, Ervin L., Wells Bridge, N. Y. Automatic crank-pin oiler. No. 1,283,130; Oct. 29; v. 255; p. 949.
Fisk Rubber Company. (See Hanna, John, assignor.)
Fisk Rubber Company, The. (See Hazeltine, Reginald, assignor.)
Fisk Rubber Company, The. (See Jameson, William, assignor.)
Fisk Rubber Company, The. (See Lambson, De Witt C., assignor.)
Fisk Rubber Company, The. (See Lewis, George H., assignor.)
Fiske, William G., Purfleet, England. Apparatus for the treatment of paper-stock. No. 1,273,841; July 30; v. 252; p. 980.
Fitch, Benjamin F., Evanston, Ill., assignor to The Motor Terminals Company, Cleveland, Ohio. Freight-transfer station and warehouse. No. 1,261,504; Apr. 2; v. 249; p. 145.
Fitch, Benjamin F., Evanston, Ill., assignor to The Motor Terminals Company, Cleveland, Ohio. Transfer system for freight-terminals. No. 1,275,145; Aug. 6; v. 253; p. 227.
Fitch, Henry C., Demos, Ohio. Music-leaf turner. No. 1,263,876; Apr. 23; v. 249; p. 888.
Fitch, Maxwell B., Corona, Cal. Portable and knockdown storage-bin. No. 1,265,442; May 7; v. 250; p. 157.
Fite, Cephas V., assignor of one-half to W. W. Watt, Charlotte, N. C. Flush-valve. No. 1,270,506; June 25; v. 251; p. 752.
Fite, Cephas V., assignor to Aero Starter Company, Charlotte, N. C. Starting apparatus for automobile or other engines. No. 1,280,005; Sept. 24; v. 254; p. 809.
Fite, Frank J., assignor of one-half to J. C. Griffith, Fort Worth, Tex. Sliding-door-operating mechanism. No. 1,277,055; Aug. 27; v. 253; p. 845.
Fitterling, Silas M., Fulton, Ind. Display-cabinet. No. 1,269,414; June 11; v. 251; p. 395.
Fitting, William, Lausanne, Switzerland. Hypodermic syringe and the like. No. 1,279,530; Sept. 24; v. 254; p. 673.
Fitts, James L., Pensauken township, Camden county, N. J., assignor to Warren Webster & Company. Means for making elastic vessels. No. 1,271,455; July 2; v. 252; p. 195.
Fitts, Norman V., Denver, Colo. Water-gate. No. 1,272,933; July 16; v. 252; p. 673.
Fix, Frank, Irwin, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,274,701; Aug. 6; v. 253; p. 103.
Fitz-Empire Double Pivot Last Company. (See Schelter, John C., assignor.)
Fitz-Empire Double Pivot Last Company. (See Schelter and Whipple, assignors.)
Fitz Gerald, Harold G., Los Angeles, Cal. Lamp or headlight. No. 1,279,096; Sept. 17; v. 254; p. 532.
Fitz Gerald, Inez E., Oakland, Cal. Clothes-holder. No. 1,272,244; July 9; v. 252; p. 452.
Fitz Gerald, John M., Oak Park, Ill. Carrier-support for signal and switch rods. No. 1,288,399; Dec. 17; v. 257; p. 610.
Fitz Gerald, John M., Chicago, Ill., assignor to Automatic Flagman Company, Los Angeles, Cal. Signal device. No. 1,255,831; Feb. 5; v. 247; p. 207.
Fitz Gerald, John W., Detroit, Mich. Automatic belt-tensioning means for drive mechanism. No. 1,254,320; Jan. 22; v. 246; p. 917.
Fitz Gerald, John W., Detroit, Mich. Drive mechanism. No. 1,262,318; Apr. 9; v. 249; p. 402.
Fitz Gerald, John W., assignor to L. A. Young Industries, Detroit, Mich. Power-jack for motor-vehicles. No. 1,281,544; Oct. 15; v. 255; p. 452.
Fitz Gerald, Ray H., Pittsburgh, Pa. Display-carton. No. 1,272,411; July 16; v. 252; p. 525.
Fitz Gerald, Robert R. (See Myers and Fitz Gerald.)
Fitz, Peter. (See Fitz, Will and P.)
Fitz Simons, David R., Beaver, Pa. Stone-picking machine. No. 1,263,658; Apr. 23; v. 249; p. 828.
Fitz Simmons, Jay F., Minneapolis, Minn. Clothes-line tightener. No. 1,261,505; Apr. 2; v. 249; p. 146.
Fitz, Will and P., Bremond, Tex. Rocker attachment. No. 1,252,418; Jan. 8; v. 246; p. 316.
Fitzgerald, Dink, El Dorado, Ark. Spoon. No. 1,280,006; Sept. 24; v. 254; p. 809.
Fitzgerald, Edward E., Minden, La. Resawing-mill. No. 1,252,894; Jan. 8; v. 246; p. 452.
Fitzgerald, G. G. (See Myers, Melvin A., assignor.)
Fitzgerald, Herbert S., Tarrytown, N. Y. Hook and eye. No. 1,254,491; Jan. 22; v. 246; p. 965.
Fitzgerald, Jeremiah C., Kilbourne, Wis. Litter-carrier. No. 1,265,314; May 7; v. 250; p. 121.
Fitzgerald, Marie E., St. Louis, Mo. Combination library and dressing table. No. 1,272,245; July 9; v. 252; p. 452.
Fitzgerald, Michael, assignor of one-third to J. H. Conley and one-third to G. R. Conley, Medina, N. Y. Street-indicator. No. 1,257,208; Feb. 19; v. 247; p. 689.
Fitzgerald, Michael J. (See Brown, Swartout, and Fitzgerald.)
Fitzgerald, William F. (See Holder, Henry A., assignor.)
Fitzgerald, William J., St. Louis, Mo. Press-box. No. 1,259,843; Mar. 19; v. 248; p. 616.
Fitzgerald, William J., St. Louis, Mo. Press-box. No. 1,282,795; Oct. 29; v. 255; p. 858.
Fitzgerald, William L., *et al.* (See Burtt, Frank, assignor.)
Fitzjohn, Edward M., and E. A. Stanton, Oneida, N. Y. Golf-club. No. 1,257,471; Feb. 26; v. 247; p. 800.
Fitzpatrick, Charles J. (See Duckett and Fitzpatrick.)
Fitzpatrick, Edward D., Battle Creek, Mich. Sheet-metal door. No. 1,283,131; Oct. 29; v. 255; p. 950.
Fitzpatrick, John A., Carrick borough, Pa. Boat-propeller. No. 1,284,282; Nov. 12; v. 256; p. 251.
Fitzpatrick, John F. (See Novotny, Frank S., assignor.)
Fitzpatrick, William, Walton, Ill. Distributing-pipe for silo-fillers. No. 1,284,081; Nov. 5; v. 256; p. 170.
Fix, Frank, Cincinnati, Ohio, assignor to Armstrong Cork Company, Pittsburgh, Pa. Tape-turning machine. No. 1,281,327; Oct. 15; v. 255; p. 393.
Fix, George W., Lexington, Va. Standard-holder for wagons. No. 1,259,503; Mar. 12; v. 248; p. 519.
Fixen, Laura G. (See Benson, Henry M., assignor.)
Fjellman, Bengt W., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller-bearing. No. 1,283,713; Nov. 5; v. 256; p. 72.
Fjellman, Bengt W., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller-bearing. No. 1,283,714; Nov. 5; v. 256; p. 72.
Fjimori, Shigenari, Elmhurst, Ill. Bath-brush attachment. No. 1,260,175; Mar. 19; v. 248; p. 710.
Flack, Ferdinand J., East Chicago, Ind. Automobile-lock. No. 1,268,225; June 4; v. 251; p. 44.
Flack, Jacob D., New York, N. Y. Apparatus for drowning, washing, and conveying nitrated cellulose. No. 1,280,981; Oct. 8; v. 255; p. 264.
Flack, Theodore J., St. Louis, Mo. Adjustable rectal dilator. No. 1,267,066; May 21; v. 250; p. 667.
Flack, Theodore J., St. Louis, Mo. Rectal dilator. No. 1,271,456; July 2; v. 252; p. 195.
Flad, Gottlieb H., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens-locking apparatus. No. 1,284,283; Nov. 12; v. 256; p. 251.
Fladeland, Olai, Poplar, Mont. Motor-sleigh. No. 1,266,442; May 14; v. 250; p. 461.
Fladmark, Morten, Brettesnes, assignor to Titan Co. A/S., Christiania, Norway. Precipitating titanium hydrates. No. 1,288,863; Dec. 24; v. 257; p. 750.
Flagg, Andrew B., North Attleboro, assignor to Merit Manufacturing Co., Attleboro, Mass. Ear attachment. No. 1,267,067; May 21; v. 250; p. 667.
Flagg, Ernest, New York, N. Y. Roof-covering. No. 1,276,632; Aug. 20; v. 253; p. 696.

Flagstad, Cornel and O. A., assignors to Folding Crate and Box Company, Minneapolis, Minn. Folding box or crate. No. 1,264,912; May 7; v. 250; p. 11.
Flagstad, Oscar A. (See Flagstad, Cornel and O. A.)
Flaherty, Bernard B., Davenport, Iowa. Loading apparatus. No. 1,267,200; May 21; v. 250; p. 705.
Flaiz, Ed, and A. T. Hawkyard, Olathe, Colo. Cultivator. No. 1,283,132; Oct. 29; v. 255; p. 950.
Flakes A/S. (See Schou, Hans H., assignor.)
Flammer, Margaret M., Balboa, Canal Zone. Picture and design made from dry earths and making the same. No. 1,255,001; Jan. 29; v. 246; p. 1143.
Flanagan, Edward, Philadelphia, Pa. Smoke-house. No. 1,271,300; July 2; v. 252; p. 154.
Flanagan, James U., assignor to F. F. Slocomb & Co., Incorporated, Wilmington, Del. Machine for seasoning or finishing leather. No. 1,257,595; Feb. 26; v. 247; p. 838.
Flanagan, James U., assignor to F. F. Slocomb & Co., Incorporated, Wilmington, Del. Method and apparatus for drying skins. No. 1,273,598; July 23; v. 252; p. 877.
Flanagan, Patrick C., New York, N. Y. Individual protective armor. No. 1,276,200; Aug. 20; v. 253; p. 577.
Flander, Ervin J., Oneida, N. Y. Auger. No. 1,275,889; Aug. 13; v. 253; p. 459.
Flanders, Frank J., Concord, N. H. Automobile-signal. No. 1,286,979; Dec. 10; v. 257; p. 229.
Flanders, George D., Ellsworth, Kans. Veneer-block. No. 1,276,894; Aug. 27; v. 253; p. 801.
Flanegin, Harry S., assignor to The Eastern Steel Company, Pottsville, Pa. Pulverized-fuel burner. No. 1,289,144; Dec. 31; v. 257; p. 844.
Flanigan, John J., assignor to Duplicator Manufacturing Company, Chicago, Ill. Multiple-copying machine. No. 1,272,787; July 16; v. 252; p. 631.
Flanigan, John J., assignor to Duplicator Manufacturing Company, Chicago, Ill. Multiple-copying machine. No. 1,272,788; July 16; v. 252; p. 632.
Flanigan, John J., assignor to Duplicator Manufacturing Company, Chicago, Ill. Package. No. 1,284,082; Nov. 5; v. 256; p. 170.
Flanigan, John J., assignor to Duplicator Manufacturing Company, Chicago, Ill. Package. No. 1,288,401; Dec. 17; v. 257; p. 611.
Flannery Bolt Company. (See Dodds, Ethan I., assignor.)
Flannery Bolt Company. (See Dodds and Ferguson, assignors.)
Flannery Bolt Company. (See Flannery, John R., assignor.)
Flannery Bolt Company. (See Flannery and Dodds, assignors.)
Flannery Bolt Company. (See Flannery, Dodds, and Landgraf, assignors.)
Flannery Bolt Company. (See Flannery, Stafford, and Dodds, assignors.)
Flannery Bolt Company. (See Landgraf, Frederick, assignor.)
Flannery Bolt Company. (See Gallagher, Peter F., assignor.)
Flannery Bolt Company. (See Lacerda, Harry A., assignor.)
Flannery Bolt Company. (See Lacerda and Stafford, assignors.)
Flannery Bolt Company. (See Stafford, Benjamin E. D., assignor.)
Flannery Bolt Company. (See Stafford and Dodds, assignors.)
Flannery, James J., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Illuminating means. No. 1,275,890; Aug. 13; v. 253; p. 459.
Flannery, James J., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Lamp structure. No. 1,275,891; Aug. 13; v. 253; p. 459.
Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,252,334; Jan. 1; v. 246; p. 257.
Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Manufacture of stay-bolts. No. 1,268,952; June 11; v. 251; p. 267.
Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,276,744; Aug. 27; v. 253; p. 764.
Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,276,745; Aug. 27; v. 253; p. 764.
Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,276,746; Aug. 27; v. 253; p. 764.
Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,281,931; Oct. 15; v. 255; p. 555.
Flannery, John R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,281,932; Oct. 15; v. 255; p. 555.
Flannery, John R., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure for boilers. No. 1,268,826; June 11; v. 251; p. 233.
Flannery, John R., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Manufacture of stay-bolts for boilers. No. 1,268,951; June 11; v. 251; p. 267.
Flannery, John R., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,268,953; June 11; v. 251; p. 267.
Flannery, John R., and E. I. Dodds, Pittsburgh, Pa., assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,281,328; Oct. 15; v. 255; p. 393.
Flannery, John R., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stray-bolt structures for boilers. No. 1,281,329; Oct. 15; v. 255; p. 393.
Flannery, John R., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Manufacture of stay-bolts for boilers. No. 1,281,930; Oct. 15; v. 255; p. 555.
Flannery, John R., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Means for displaying illuminated words or characters. No. 1,285,098; Nov. 19; v. 256; p. 495.
Flannery, John R., E. I. Dodds, and F. K. Landgraf, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,268,828; June 11; v. 251; p. 233.
Flannery, John R., B. E. D. Stafford, and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,268,827; June 11; v. 251; p. 233.
Flannery, John R., B. E. D. Stafford, and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,271,688; July 9; v. 252; p. 296.
Flannery, John R., B. E. D. Stafford, and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,275,892; Aug. 13; v. 253; p. 459.
Flannery, John R., B. E. D. Stafford, and E. I. Dodds,, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,281,330; Oct. 15; v. 255; p. 393.
Flannery, John R., B. E. D. Stafford, and E. I. Dodds,, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No.1,281,929; Oct. 15; v. 255; p. 555.
Flannery, John R., B. E. D. Stafford, and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,285,097; Nov. 19; v. 256; p. 495.
Flannery, Stephen A., San Francisco, Cal. Safety apparatus for elevators. No. 1,270,716; June 25; v. 251; p. 806.
Flansburg, Peter, Manistee, Mich. Shipping-crate. No. 1,256,458; Feb. 12; v. 247; p. 433.
Flatau, Louis S., St. Louis, Mo. Turbine. No. 1,255,002; Jan. 29; v. 246; p. 1143.
Flather & Company. (See Brand, Junius H., assignor.)
Flattem, Hans, Minneapolis, Minn. Relief trap-door for grain-cars. No. 1,256,544; Feb. 19; v. 247; p. 494.
Flavell, Leo E., and C. S. Priest, Birmingham, England. Registering apparatus. No. 1,256,459; Feb. 12; v. 247; p. 434.
Fleagle, Robert H., Galveston, Tex. Signal-stand. No. 1,278,623; Sept. 10; v. 254; p. 374.
Fleak, Wilfred D., and A. W. Gentry, Chicago, Ill. Auxiliary hot air and moisture device. No. 1,278,900; Sept. 17; v. 254; p. 480.
Flecchia, Louis, Philadelphia, Pa. Plastic flooring composition. No. 1,254,788; Jan. 29; v. 246; p. 1083.
Fleckenstein, Adelaide J., guardian. (See Fleckenstein, Jackson.)
Fleckenstein, Jackson, minor, Ionia, Mich.; A. J. Fleckenstein, guardian, assignor to Fleckenstein Visible Gasometer Company, Chicago, Ill. Measuring apparatus. No. 1,275,545; Aug. 13; v. 253; p. 361.
Fleckenstein, Joseph P., Bethlehem, Pa., assignor, by mesne assignments, to Bethlehem Steel Company. Frog. No. 1,271,556; July 9; v. 252; p. 258.
Fleckenstein Visible Gasometer Company. (See Fleckenstein, Jackson, assignor.)
Fleckner, Luther M., Cloverdale, Cal. Fruit-picking net. No. 1,286,980; Dec. 10; v. 257; p. 229.
Fleek, William A., Douglas, Alaska. Shaft-coupling. No. 1,274,254; July 30; v. 252; p. 1097.
Fleetwood Metal Body Company. (See Kern, Jacob S., assignor.)
Flegel, Benjamin F. (See Upton and Flegel.)
Flegel, Harrison D., Racine, Wis. Stilt. No. 1,264,047; Apr. 23; v. 249; p. 934.
Flegel, Harrison D., Racine, Wis. Serving-fork. No. 1,272,246; July 9; v. 252; p. 452.
Fleischer, Emil, Dresden-Altstadt, Germany. Manufacturing producer-gas. No. 1,273,474; July 23; v. 252; p. 844.
Fleischer, Paul W., New York, N. Y., assignor to American Can Company. Fish cutting and eviscerating machine. No. 1,262,319; Apr. 9; v. 249; p. 403.
Fleischer, Oscar F. (See Lietzow and Fleischer.)
Fleischman, Isedore. (See Fleischman, Jacob and I.)
Fleischmann, Isidor, Brooklyn, assignor of one-half to L. I. Sternstein, New York, N. Y. Life-boat. No. 1,289,145; Dec. 31; v. 257; p. 845.

Fleischman, Jacob and I., Jersey City, N. J. Automobile-radiator. No. 1,252,794; Jan. 8; v. 246; p. 425.
Fleischmann, Lionel, Berlin, Germany, assignor to General Electric Company. System of motor control. No. 1,260,889; Mar. 26; v. 248; p. 950.
Fleishel, Stella S., New York, N. Y. Convertible garment-form. No. 1,268,560; June 4; v. 251; p. 136.
Fleming, George, Princeton, Tex. Shot-gun. No. 1,266,573; May 21; v. 250; p. 528.
Fleming, George, Nelson, British Columbia, Canada. Beehive. No. 1,270,507; June 25; v. 251; p. 752.
Fleming, Henry, Brooklyn, N. Y. Air-compressor. No. 1,262,476; Apr. 9; v. 249; p. 447.
Fleming, James R. (See Reap and Fleming.)
Fleming, John G. (See Anderson and Fleming.)
Fleming, John H., Seattle, Wash. Automatic fire-alarm system. No. 1,257,687; Feb. 26; v. 247; p. 864.
Fleming, John M., Edmonton, Alberta, Canada. Dash-churn. No. 1,265,187; May 7; v. 250; p. 88.
Fleming, Joseph J., Boone, Iowa. Weed-exterminator. No. 1,258,551; Mar. 5; v. 248; p. 176.
Fleming, Nathaniel C., Coldwater, Kans. Finger-armor. No. 1,268,103; June 4; v. 251; p. 10.
Fleming, Norman O., Los Angeles, Cal. Bucket for deep-well pumps. No. 1,275,546; Aug. 13; v. 253; p. 361.
Fleming, Paul J., St. Martinsville, and R. L. Dicks, Lake Charles, La. Capsule-filler. No. 1,267,201; May 21; v. 250; p. 706.
Flentje, Ernst, Cambridge, Mass. Shock-absorber. No. 1,267,532; May 28; v. 250; p. 822.
Flessa, George, Berkeley, Cal. Button snap-fastener. No. 1,254,789; Jan. 29; v. 246; p. 1083.
Fletcher, Edson W. (See Scarborough and Fletcher.)
Fletcher, Edward F., assignor to Worcester Brush and Scraper Company, Worcester, Mass. Brush for cleaning guns and the like. No. 1,264,290; Apr. 30; v. 249; p. 1035.
Fletcher, Edward W., Worcester, Mass. Starting device for floating ice. No. 1,281,331; Oct. 15; v. 255; p. 394.
Fletcher, John A., and J. W. Haley, Sarnia, Ontario, Canada. Flushing attachment for sewers. No. 1,261,224; Apr. 2; v. 249; p. 64.
Fletcher, John, Douglaston, assignor to Operaphone Manufacturing Corporation, New York, N. Y. Sound-record. No. 1,269,696; June 18; v. 251; p. 505.
Fletcher, John D., Evansville, Ind. Coffee compound. No. 1,255,816; Feb. 5; v. 247; p. 203.
Fletcher, John R. (See Gardner, George S., assignor.)
Fletcher, Roy L., Cameron, W. Va. Casing-head. No. 1,255,147; Feb. 5; v. 247; p. 10.
Fletcher, Theodore, San Antonio, Tex. Speed-regulating means. No. 1,271,881; July 9; v. 252; p. 347.
Fletcher, William E., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Evaporating-tank. No. 1,257,209; Feb. 19; v. 247; p. 689.
Fletcher, William H., *et al.* (See Mackay, William H., assignor.)
Fletcher Works, Incorporated. (See Schaum, Otto W., assignor.)
Fleury, Oswald T., Boston, Mass. Safety-razor. No. 1,273,842; July 30; v. 252; p. 981.
Flexible Metal Hose Company Limited. (See Forth, Charles, assignor.)
Flexible Metal Hose Company, The. (See Forth, Charles, assignor.)
Flick, Frederick A., New York, N. Y. Apparatus for treating articles with fluid. No. 1,267,754; May 28; v. 250; p. 884.
Flick, William S., and G. A. Lambert, Anderson, Ind. Hinge. No. 1,268,104; June 4; v. 251; p. 10.
Flinn, Claude A., assignor to Advance Pump & Compresser Company, Battle Creek, Mich. Automatic vacuum-maintaining apparatus. No. 1,269,697; June 18; v. 251; p. 505.
Flinn, Mary E., Medford, Oreg. Fruit-gatherer. No. 1,256,890; Feb. 19; v. 247; p. 597.
Flinn, Thomas F., Brooklyn, N. Y. Internal-combustion engine. No. 1,287,941; Dec. 17; v. 257; p. 500.
Flinn, William H., Detroit, Mich. Rotary explosive-engine. No. 1,284,083; Nov. 5; v. 256; p. 170.
Flint, Abraham R., Derby, England. Device or means for giving stereoscopic or distance effect to moving pictures shown upon screens. No. 1,284,084; Nov. 5; v. 256; p. 171.
Flint, Albert H., New York, N. Y., assignor, by mesne assignments, to The Walker Company, Wilmington, Del. Car-seat cushion. No. 1,257,335; Feb. 26; v. 247; p. 761.
Flint, Charles, Spokane, Wash. Indicator for street-cars and the like. No. 1,265,071; May 7; v. 250; p. 56.
Flint, Charles, Spokane, Wash. Spring-motor. No. 1,276,201; Aug. 20; v. 253; p. 577.
Flintkote Company, The. (See Harris, William A., assignor.)
Flintkote Company, The. (See Overbury, Frederick C., assignor.)
Flint, Dutee W. (See Johannessen and Waage, assignors.)
Flint, Dutee W., *et al.* (See Johannessen and Waage, assignors.)
Flitcroft, James E., assignor to P. Wall Manufacturing Supply Company, Pittsburgh, Pa. Burner. No. 1,283,133; Oct. 29; v. 255; p. 950.
Floback, August B., South Shields, England. Device for sharpening knives, scissors, and like cutting implements. No. 1,269,272; June 11; v. 251; p. 357.
Flock, George. (See English and Flock.)
Flocke, Robert O., Newark, N. J., assignor to The R. Neumann Hardware Co. Locking-catch for portfolios and the like. No. 1,267,650; May 28; v. 250; p. 856.
Flockhart Ring Casting Co. (See De Lavand, Dimitri S., assignor.)
Floehr, Hubert, Defiance, Ohio. Fire-escape apparatus. No. 1,258,759; Mar. 12; v. 248; p. 274.
Flogerzi, John B., St. Paul, Minn. Master cut-over switch. No. 1,273,211; July 23; v. 252; p. 774.
Flood, Harry J., Chicago, Ill. Brick-press. No. 1,268,226; June 4; v. 251; p. 44.
Flora, Ellsworth E., Chicago, Ill., assignor to Signode System Incorporated. Providing flat metal strips with sealing-sleeves. No. 1,252,680; Jan. 8; v. 246; p. 392.
Flora, Ellsworth E., Chicago, Ill., assignor to The National Binding Machine Company, New York, N. Y. Joining metal strips and sealing the joints. No. 1,265,188; May 7; v. 250; p. 88.
Florandin, Charles H., and A. M. Bennett, Westfield, assignors to W. E. Tuttle, Jr., receiver, Garwood, N. J. Electric welding. No. 1,251,764; Jan. 1; v. 246; p. 97.
Florandin, Charles H., and A. M. Bennett, Westfield, N. J., assignors to C. & C. Electric and Manufacturing Company. Electric welding. No. 1,283,715; Nov. 5; v. 256; p. 73.
Florek, Frank. (See Worek, Jan, assignor.)
Florendine, James. (See Barnett and Florendine.)
Florey, Tilghman J., assignor to American Sanitary Works, Washington, N. J. Water-closet seat. No. 1,287,942; Dec. 17; v. 257; p. 501.
Flory Carry Iron Company. (See Rink, George W., assignor.) (Reissue.)
Flottman, John M., Butte, Mont. Envelop-seal. No. 1,260,176; Mar. 19; v. 248; p. 710.
Flower, John W., Detroit, Mich. Pipe connection. No. 1,278,128; Sept. 10; v. 254; p. 242.
Flower, William A., Bakersfield, Cal. Garment-seam-ripping attachment for sewing-machines. No. 1,256,671; Feb. 19; v. 247; p. 532.
Flowers, Clarence O., Flint, Mich. Dumping-car. No. 1,271,303; July 2; v. 252; p. 155.
Flowers, Clifford, Camden, Ohio. Shoe for furrow-openers. No. 1,263,220; Apr. 16; v. 249; p. 688.
Flowers, Edward B., and J. S. Friddle, Columbia, S. C. Picker-stick check for looms. No. 1,279,314; Sept. 17; v. 254; p. 591.
Flowers, Henry F., New York, N. Y. Dumping-car. No. 1,268,829; June 11; v. 251; p. 233.
Flowers, Henry F., New York, N. Y. Dumping-car. No. 1,268,830; June 11; v. 251; p. 234.
Flowers, Sumpter L., Burns, Oreg. Coin-controlled lock for lockers. No. 1,270,717; June 25; v. 251; p. 807.
Floyd, Albert R., Huntington, W. Va. Washing apparatus. No. 1,274,027; July 30; v. 252; p. 1033.
Floyd, Harry W., Capron, Okla. Motion-picture-film winder. No. 1,259,091; Mar. 12; v. 248; p. 370.
Floyd Invalid Lifter Company, The. (See Floyd, Robert L., assignor.)
Floyd, Robert L., assignor to The Floyd Invalid Lifter Company, Staunton, Va. Device for lifting and moving invalids. No. 1,273,599; July 23; v. 252; p. 878.
Floyd, Robert L., assignor to The Floyd Invalid Lifter Company, Staunton, Va. Mechanism for lifting and turning invalids. No. 1,273,600; July 23; v. 252; p. 878.
Floyd, Robert L., Little Rock, Ark. Adding-machine. No. 1,283,488; Nov. 5; v. 256; p. 14.
Floyd, Walter B., assignor to The Bonney-Floyd Company, Columbus, Ohio. Car-wheel. No. 1,252,895; Jan. 8; v. 246; p. 452.
Floyd, William B., assignor of three-fourths to J. A. McDonald, Fort Worth, Tex. Automatic vaporizing-plug. No. 1,271,304; July 2; v. 252; p. 155.
Fluck, George. (See Warme and Fluck.)
Flume Improvement Company, The. (See Hardesty, Rudd, assignor.)
Flyckt, John J., Salina, Kans. Gas-machine. No. 1,267,202; May 21; v. 250; p. 706.
Flynn, Clement L., Bellingham, Wash., assignor to Welles Thompson Company, Minneapolis, Minn. Silo. No. 1,254,131; Jan. 22; v. 246; p. 863.
Flynn, Edmund T., Cambridge, assignor to Cambridge Reversible Life Float, Inc., Boston, Mass. Life-raft. No. 1,272,412; July 16; v. 252; p. 525.
Flynn, John J., Providence, R. I. Threading-tool. No. 1,259,504; Mar. 19; v. 248; p. 519.
Foans, Andrew B., New York, N. Y. Device for molding blocks. No. 1,266,787; May 21; v. 250; p. 589.
Focha, William F., Richmond, Cal. Hair-pin. No. 1,256,005; Feb. 12; v. 247; p. 299.
Foerst, John, Bayonne, N. J. Hydrocarbon-burner. No. 1,279,315; Sept. 17; v. 254; p. 591.
Foerster, Oscar, assignor of one-half to A. Jaeger, New York, N. Y. Producing printing-surfaces. No. 1,265,641; May 7; v. 250; p. 208.
Foersterling, Hans, Perth Amboy, N. J. Reducing metallic compounds. No. 1,283,716; Nov. 5; v. 256; p. 73.

Alphabetical list of patentees—Continued.

Fogal, John E. W., assignor to Quincy Elevator Gate Co., Quincy, Ill. Elevator-gate-operating mechanism. No. 1,281,772; Oct. 15; v. 255; p. 511.
Fogg, Charles F., New York, N. Y. Weighing-scale. No. 1,270,508; June 25; v. 251; p. 752.
Fogg, Newell T., Sanford, Me. Torpedo-netting. No. 1,271,689; July 9; v. 252; p. 296.
Fogh, Hans P., Seattle, Wash. Fly-swatter. No. 1,255,303; Feb. 5; v. 247; p. 53.
Föhrenbach, Willy. (See Hüssy and Föhrenbach.)
Folding Crate and Box Company. (See Flagstad, Cornel and O. A., assignors.)
Folding Utilities Corporation. (See Stone, Harry A., assignor.)
Foley, Hugh B., Minneapolis, Minn. Supplemental wheel-rim. No. 1,278,624; Sept. 10; v. 254; p. 375.
Foley, Hugh B., Minneapolis, Minn. Supplemental traction-wheel. No. 1,280,200; Oct. 1; v. 255; p. 24.
Foley, James C., assignor to Boeing Airplane Company, Seattle, Wash. Controlling device for aeroplanes. No. 1,264,498; Apr. 30; v. 249; p. 1094.
Foley, Olga G., administratrix. (See Gathmann, Louis.)
Foley, Thomas F., Washington, D. C. Connecting-socket. No. 1,282,561; Oct. 22; v. 255; p. 766.
Foley, William V., New Brunswick, N. J. Picture-projecting apparatus. No. 1,273,843; July 30; v. 252; p. 981.
Foley, William V., New Brunswick, N. J. Apparatus for motion-picture projection and other purposes. No. 1,286,269; Dec. 3; v. 257; p. 21.
Folger, Edward P., Brooklyn, N. Y., assignor to Standard Oil Company, Bayonne, N. J. Apparatus for cooling wax-bearing oil for pressing. No. 1,256,460; Feb. 12; v. 247; p. 434.
Folger, John R., Detroit, Mich. Door-lock-controlled electric switch. No. 1,256,545; Feb. 19; v. 247; p. 495.
Folger, Harry S., Chicago, Ill. Hand-stamp. No. 1,282,796; Oct. 29; v. 255; p. 858.
Folger, Harry S., assignor to R. D. Swisher Manufacturing Company, Chicago, Ill. Self-inking hand-stamp. No. 1,275,893; Aug. 13; v. 253; p. 459.
Folger, Harry S., and C. L. Redfield; said Folger assignor to R. D. Swisher Manufacturing Company, Chicago, Ill. Self-inking hand-stamp. No. 1,265,642; May 7; v. 250; p. 209.
Folger, Harry S., and T. Ross, Chicago, Ill.; said Ross assignor to said Folger. Type-holder and blank therefor. No. 1,281,545; Oct. 15; v. 255; p. 452.
Folger, Horace, Gooding, Idaho. Propeller. No. 1,284,634; Nov. 12; v. 256; p. 339.
Foljambe, Eugene S., Drexel Hill, Pa. Sounding wheeled toy. No. 1,276,747; Aug. 27; v. 253; p. 764.
Folker, Howard S., Oroville, assignor to The National Safety Appliance Company, San Francisco, Cal. Automatic train-stop. No. 1,284,284; Nov. 12; v. 256; p. 251.
Folker, Howard S., Oroville, assignor to The National Safety Appliance Company, San Francisco, Cal. Automatic train-stop. No. 1,284,285; Nov. 12; v. 256; p. 252.
Folker, Howard S., Oroville, assignor to The National Safety Appliance Company, San Francisco, Cal. Controlling means for automatic train-stops. No. 1,284,286; Nov. 12; v. 256; p. 252.
Folker, Howard S., Oroville, assignor to The National Safety Appliance Company, San Francisco, Cal. Diaphragm-valve. No. 1,284,287; Nov. 12; v. 256; p. 252.
Folker, Howard S., Oroville, assignor to The National Safety Appliance Company, San Francisco, Cal. Controlling means for automatic train-stops. No. 1,284,288; Nov. 12; v. 256; p. 253.
Folkers, Folert, Crichton, assignor to himself and L. E. Campbell, Mobile, Ala. Automatic lubricator. No. 1,271,305; July 2; v. 252; p. 156.
Folland, Frederick V., Windsor, Ontario, Canada. Chuck. No. 1,282,061; Oct. 22; v. 255; p. 629.
Follweiler, Andrew, Henryville, Pa. Ventilator. No. 1,262,032; Apr. 9; v. 249; p. 323.
Folly, Cornelius A., Boonton, N. J., assignor to Non-Refillable and Lock Bottle Corporation, New York, N. Y. Non-refillable bottle. No. 1,259,221; Mar. 12; v. 248; p. 406.
Folmer, William F., Rochester, N. Y. Snap-fastener. No. 1,252,255; Jan. 1; v. 246; p. 235.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Panoramic camera. No. 1,252,494; Jan. 1; v. 246; p. 12.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Magazine-back for cameras. No. 1,255,868; Feb. 12; v. 247; p. 259.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Film-camera. No. 1,260,356; Mar. 26; v. 248; p. 797.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film strip. No. 1,260,357; Mar. 26; v. 248; p. 797.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-shutter mechanism. No. 1,266,443; May 14; v. 250; p. 461.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. No. 1,270,280; June 25; v. 251; p. 688.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Camera-back. No. 1,270,281; June 25; v. 251; p. 688.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Wind-motor. No. 1,270,803; July 2; v. 252; p. 13.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Catch for camera-backs. No. 1,278,323; Sept. 10; v. 254; p. 295.
Folsom, Rufus C. (See Drury and Folsom.)
Foltz, Ira W., Chicago, Ill. Annealing-furnace. No. 1,258,885; Mar. 12; v. 248; p. 312.
Foltz, Ira W., Chicago, Ill. Furnace. No. 1,274,155; July 30; v. 252; p. 1069.
Fondiller, William. (See Shaw and Fondiller.)
Fondiller, William, assignor to Western Electric Company, Incorporated, New York, N. Y. Loading unit for telephone systems. No. 1,253,365; Jan. 15; v. 246; p. 623.
Fonger Fender Company. (See Fonger, William, assignor.)
Fonger, William, assignor to Fonger Fender Company, Chicago, Ill. Fender for automobiles, &c. No. 1,252,021; Jan. 8; v. 246; p. 492.
Fonnesbeck, Leon, and W. B. England, Logan, Utah. Device for bending hair-springs. No. 1,251,765; Jan. 1; v. 246; p. 97.
Fons, Anton C., assignor to S. J. Fons, Royal Oak, Mich. Try-square. No. 1,287,943; Dec. 17; v. 257; p. 501.
Fons, S. J. (See Fons, Anton C., assignor.)
Fontaine, Alfred. (See Vincent and Fontaine.)
Fontaine, Miles C., Memphis, Tenn. Mirror-adjuster. No. 1,262,765; Apr. 16; v. 249; p. 559.
Fontaine, Philias, Fall River, Mass. Picker-stick for looms. No. 1,283,134; Oct. 29; v. 255; p. 950.
Fontaine, Robert A. (See Greer and Fontaine.)
Fontaine, Robert A., assignor of one-half to G. T. Greer, Roanoke, Va. Brick-handling apparatus. No. 1,252,896; Jan. 8; v. 246; p. 452.
Fontanelli, Luigi, Ferrara, Italy. Recovering caffein. No. 1,273,054; July 16; v. 252; p. 706.
Food Sterilization Company. (See Witzel, Joseph R., assignor.)
Foos Gas Engine Company, The. (See Edwards, Albert Y., assignor.)
Fooshee, John J. (See Blauvelt and Fooshee.)
Foot, James E. T. (See Cook, Johnson, and Foot.)
Foot, William H., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fluid-flow indicator. No. 1,278,902; Sept. 17; v. 254; p. 480.
Foote, Edward T., Montclair, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Pump-controller. No. 1,289,429; Dec. 31; v. 257; p. 917.
Foote, Emma L., executrix. (See Foote, Theodore M.)
Foote, Paul D., and E. H. Fisher, Pittsburgh, Pa., assignors to Scientific Materials Company. Pyrometer. No. 1,283,717; Nov. 5; v. 256; p. 73.
Foote, Robert E., Harvey, assignor to Scully Jones & Company, Chicago, Ill. Tapered sleeve. No. 1,252,335; Jan. 1; v. 246; p. 257.
Foote, Theodore M., deceased; E. L. Foote, executrix, Allston, Mass., assignor to National Binding Machine Company, New York, N. Y. Strip-serving apparatus. No. 1,284,289; Nov. 12; v. 256; p. 253.
Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Platen and platen equipment for typewriting machines. No. 1,268,954; June 11; v. 251; p. 267.
Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Line-spacing mechanism. No. 1,275,413; Aug. 13; v. 253; p. 326.
Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Tabulating mechanism. No. 1,280,697; Oct. 8; v. 255; p. 188.
Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Main frame for type-writers. No. 1,283,489; Nov. 5; v. 256; p. 14.
Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Ribbon mechanism for type-writing machines. No. 1,286,573; Dec. 3; v. 257; p. 95.
Foran, George J., New York, N. Y., assignor to Henry R. Worthington, Inc. Condensing apparatus. No. 1,255,869; Feb. 12; v. 247; p. 259.
Forbes, Albert F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation. Paterson, N. J. Starting and stopping mechanism. No. 1,261,506; Apr. 2; v. 249; p. 146.
Forbes, Charles O., Glasgow, Mont. Permutation-lock. No. 1,276,633; Aug. 20; v. 253; p. 696.
Forbes, Charles S., Strathdon, Scotland. Hatching apparatus. No. 1,285,971; Nov. 26; v. 256; p. 755.
Forbes, Gilbert D., Kendall, N. Y. Surgical clamp. No. 1,275,414; Aug. 13; v. 253; p. 326.
Forbes, Harry B., Ogden, Utah. Projectile. No. 1,275,669; Aug. 13; v. 253; p. 396.
Forbes, James L., Sturgis, S. D. Rubber heel. No. 1,278,625; Sept. 10; v. 254; p. 375.
Forbes, James M. (See Corrall and Forbes.)
Forbes Lithograph Manufacturing Company, The. (See MacOrquodale, Lorne H., assignor.)
Forbes, Percy L., West Middlesex, Pa. Sawmill safety device. No. 1,263,221; Apr. 16; v. 249; p. 688.

Alphabetical list of patentees—Continued.

Forbes, Percy L., West Middlesex, Pa. Hay-distributing apparatus. No. 1,264,171; Apr. 30; v. 249; p. 1002.
Forbes, Walter S., New York, N. Y. Non-removable screw. No. 1,261,916; Apr. 9; v. 249; p. 292.
Forbes, William, Tatamagouche, Nova Scotia, Canada. Stove. No. 1,286,270; Dec. 3; v. 257; p. 21.
Force, Melvin H. (See Leaver, William H., assignor.)
Force, William A., Detroit, Mich. Engine. No. 1,278,083; Sept. 3; v. 254; p. 204.
Force, William C., North Plainfield, assignor of one-half to W. M. Kelly, Jersey City, N. J. Machine-clamp. No. 1,255,729; Feb. 5; v. 247; p. 178.
Forchheim, Otto G., Rosevear, Alberta, Canada. Agricultural machine. No. 1,281,546; Oct. 15; v. 255; p. 452.
Forcier, George J., Cleveland, Ohio. Wall-paper cleaner. No. 1,278,626; Sept. 10; v. 254; p. 375.
Forcoz, Maurice, Stratford, Conn. Package-tie. No. 1,287,944; Dec. 17; v. 257; p. 501.
Ford, Ben K., East Orange, N. J. Tube. No. 1,287,945; Dec. 17; v. 257; p. 501.
Ford, Ben K., East Orange, N. J. Closure-retainer for containers. No. 1,287,946; Dec. 17; v. 257; p. 501.
Ford, Ben K., Oak Park, Ill. assignor to American Can Company, New York, N. Y. Pouring-spout and container. No. 1,266,671; May 21; v. 250; p. 557.
Ford, Ben K., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Making jacketed cans. No. 1,272,789; July 16; v. 252; p. 632.
Ford, Ben K., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Container-closure. No. 1,274,867; Aug. 6; v. 253; p. 151.
Ford, Ben K., New York, N. Y., assignor to American Can Company. Can for coffee and the like. No. 1,284,635. Nov. 12; v. 256; p. 339.
Ford, Ben K., Oak Park, and O. J. Vogl, Chicago, Ill.; said Ford assignor to said Vogl. Trade-stimulating device. No. 1,285,972; Nov. 26; v. 256; p. 755.
Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,256,006; Feb. 12; v. 247; p. 299.
Ford, Bruce, Philadelphia, Pa. Storage battery. No. 1,271,148; July 2; v. 252; p. 111.
Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,271,690; July 9; v. 252; p. 296.
Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,271,691; July 9; v. 252; p. 296.
Ford, Bruce, Philadelphia, Pa. Electric storage battery. No. 1,271,692; July 9; v. 252; p. 297.
Ford, Bruce, Philadelphia, Pa. Jar for submarine and like batteries. No. 1,272,247; July 9; v. 252; p. 452.
Ford, Bruce, Philadelphia, Pa. Ventilating storage-battery cells. No. 1,280,982; Oct. 8; v. 255; p. 264.
Ford, Bruce, Philadelphia, Pa. Fish-hook. No. 1,283,718; Nov. 5; v. 256; p. 73.
Ford, Bruce, Philadelphia, Pa. Storage battery. No. 1,285,658; Nov. 26; v. 256; p. 676.
Ford, Bruce, Philadelphia, Pa. Storage-battery ventilation for submarines. No. 1,285,659; Nov. 26; v. 256; p. 676.
Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,285,660; Nov. 26; v. 256; p. 677.
Ford, Bruce, Philadelphia, Pa. Ventilation of storage-battery cells. No. 1,289,146; Dec. 31; v. 257; p. 845.
Ford, Charles R., Paducah, Ky. Luggage-receptacle for automobiles. No. 1,277,563; Sept. 3; v. 254; p. 63.
Ford, Edwin H., Wabash, Ind. Water-meter support and connection. No. 1,262,033; Apr. 9; v. 249; p. 324.
Ford, Edwin H., Wabash, Ind. Antifreeze-hood for water-meters. No. 1,281,332; Oct. 15; v. 255; p. 394.
Ford, Edwin P. (See Kip and Ford.)
Ford, Eliot E., Newark, N. J. Collapsible tube. No. 1,278,901; Sept. 17; v. 254; p. 480.
Ford, Hampton W., Lynchburg, Mo. Sawing-machine. No. 1,287,947; Dec. 17; v. 257; p. 502.
Ford, Hannibal C., Jamaica, and H. L. Tanner, assignors to Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic compass for ships. No. 1,273,759; July 23; v. 252; p. 919.
Ford, Hannibal C., Jamaica, and H. L. Tanner, assignors to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic compass and controlling the same. No. 1,273,799; July 23; v. 252; p. 930.
Ford, Harriet L., Seattle, Wash. Laundry device. No. 1,271,149; July 2; v. 252; p. 111.
Ford, Harry R., Jacksonville, Fla. Reversible hanging shelf. No. 1,270,718; June 25; v. 251; p. 807.
Ford, Joe G., Covington, Ga. Cotton-seed delinter. No. 1,261,728; Apr. 2; v. 249; p. 207.
Ford, John. (See Felker and Ford.)
Ford, John, guardian. (See Livezey, Albert.)
Ford, John F., Hawthorne, Cal. Windmill. No. 1,285,661; Nov. 26; v. 256; p. 677.
Ford, John H., Webster City, Iowa. Attachment for cultivators. No. 1,271,882; July 9; v. 252; p. 347.
Ford, Joseph C., assignor to French Battery & Carbon Co., Madison, Wis. Pocket hand-lamp. No. 1,257,596; Feb. 26; v. 247; p. 839.
Ford, Marquis C., Denver, Colo. Feed-regulator for concrete-mixers. No. 1,253,022; Jan. 8; v. 246; p. 493.
Ford, Ralph L., Chicago, Ill., assignor to International Harvester Corporation. Seed-planter. No. 1,284,290; Nov. 12; v. 256; p. 253.
Ford, Reid G., Brooklyn, N. Y., assignor of one-tenth to W. J. Barkley, Boston, Mass. Recorder for telegraphic messages. No. 1,267,068; May 21; v. 250; p. 667.
Ford, Shelley W., assignor of one-half to O. D. Jennings, Chicago, Ill. Shock-absorber. No. 1,267,395; May 28; v. 250; p. 784.
Ford, Silas M., St. Paul, Minn. Machine for making lath-board. No. 1,251,879; Jan. 1; v. 246; p. 131.
Ford, Silas M., St. Paul, Minn. Machine for making lath-board. No. 1,257,472; Feb. 26; v. 247; p. 801.
Ford, Silas M., St. Paul, Minn. Machine for making lath-board. No. 1,258,328; Mar. 5; v. 248; p. 110.
Ford, Silas M., St. Paul, Minn. Manufacturing roofing material. No. 1,263,051; Apr. 16; v. 249; p. 640.
Ford, Silas M., St. Paul, Minn. Manufacturing prepared roofing. No. 1,265,315; May 7; v. 250; p. 121.
Ford, Silas M., St. Paul, Minn. Lath-board. No. 1,266,574; May 21; v. 250; p. 528.
Ford, Silas M., St. Paul, Minn. Manufacturing prepared roofing. No. 1,268,105; June 4; v. 251; p. 10.
Ford, Silas M., St. Paul, Minn. Machine for making lath-boards. No. 1,287,275; Dec. 10; v. 257; p. 305.
Ford, Stuart M., assignor to The Salt's Textile Manufacturing Company, Bridgeport, Conn. Shuttle for looms. No. 1,272,650; July 16; v. 252; p. 593.
Ford, Thomas W., Chattanooga, Tenn. Shutter signal and lock for cameras. No. 1,262,657; Apr. 16; v. 249; p. 527.
Ford-Trube Company. (See Trube and Ford, assignors.)
Ford, William B., Birmingham, Ala. Suspending and controlling header. No. 1,267,651; May 28; v. 250; p. 856.
Ford, William H., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Machine for separating and cleaning grain. No. 1,253,951; Jan. 15; v. 246; p. 790.
Ford, William H. D., assignor to Western Electric Company, New York, N. Y. Impulse-transmitter. No. 1,286,981; Dec. 10; v. 257; p. 230.
Ford, William S. (See Trube and Ford.)
Forde, Harry, Toronto, Ontario, Canada. Pasteurizer coil-brush. No. 1,270,137; June 18; v. 251; p. 624.
Fore River Shipbuilding Corporation. (See Warriner, Robert, assignor.)
Foree, Augustine W., assignor of one-half to D. S. Applegate, Chicago, Ill. Detergent compound. No. 1,280,698; Oct. 8; v. 255; p. 188.
Foreman, Amos L., Baltimore, Md. Bottle-washing machine. No. 1,256,482; Feb. 12; v. 247; p. 440.
Foreman, Lemuel R., Elizabeth City, N. C. Tractor. No. 1,258,329; Mar. 5; v. 248; p. 110.
Forester, George L., Asheville, N. C. Switch. No. 1,253,165; Jan. 8; v. 246; p. 534.
Forester, Herbert, Cleveland, Ohio, assignor of one-half to A. M. Skibinsky. Liquid-fuel burner. No. 1,285,099; Nov. 19; v. 256; p. 496.
Fork, William C., assignor to Acme Steel Goods Company, Chicago, Ill. Machine for making corrugated-metal fasteners. No. 1,268,831; June 11; v. 251; p. 234.
Forker, Charles W., Pomona, Cal. Spudding-machine. No. 1,284,636; Nov. 12; v. 256; p. 339.
Forkner, Henry A., Joplin, Mo. Lock device for automobiles. No. 1,261,016; Apr. 2; v. 249; p. 7.
Forlanini, Enrico, Milan, Italy. Motor-driven airship. No. 1,254,399; Jan. 22; v. 246; p. 939.
Forman, Joseph, Baltimore, Md. Machine for making hand buttonhole-stitches. No. 1,269,415; June 11; v. 251; p. 395.
Forman, Joseph, Walbrook, Md. Buttonhole-sewing machine. No. 1,269,416; June 11; v. 251; p. 396.
Forman, Paris R., assignor to National Pneumatic Company, Chicago, Ill. Door-operating mechanism. No. 1,265,316; May 7; v. 250; p. 121.
Forman, Paris R., Chicago, Ill., assignor to National Pneumatic Company, New York, N. Y. Door-operating apparatus. No. 1,285,100; Nov. 19; v. 256; p. 496.
Formon, August, Passaic, N. J. Direct-warping machine. No. 1,252,419; Jan. 8; v. 246; p. 316.
Fornaca, Guido, Turin, Italy, assignor to F. I. A. T. Vehicle brake mechanism. No. 1,271,509; July 2; v. 252; p. 210.
Fornander, Eric. (See Field and Fornander.)
Fornes, Louis E. (See Daniells and Fornes.)
Forrest, James E., Brooklyn, N. Y. Bale and package tie. No. 1,255,148; Feb. 5; v. 247; p. 10.
Forrest, Thomas W. W., Oakland, Cal. Apparatus for drying fruit. No. 1,275,547; Aug. 13; v. 253; p. 362.
Forrester, Samuel C., Atlanta, Ga. Engine-starter. No. 1,257,210; Feb. 19; v. 247; p. 689.
Forry, Charles E. (See Duncan and Forry.)
Forsberg, Daniel, Brooklyn, N. Y. Necktie-holder. No. 1,268,338; June 4; v. 251; p. 76.
Forsberg, Oscar F. (See Reynolds and Forsberg.)
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-sending mechanism. No. 1,251,495; Jan. 1; v. 246; p. 13.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone desk-stand. No. 1,251,995; Jan. 1; v. 246; p. 163.

Forsberg, Oscar F., Yonkers, N. Y., assignor, by mesne assignments, to Western Electric Company. Telephone-exchange switching mechanism. No. 1,252,420; Jan. 8; v. 246; p. 317.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic electromagnetic switch. No. 1,279,854; Sept. 24; v. 254; p. 766.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, New York, N. Y. Calling device. No. 1,286,982; Dec. 10; v. 257; p. 230.
Forsberg, Peter W., Schenectady, N. Y., assignor to General Electric Company. Electrical system of power transmission and regenerative braking. No. 1,270,804; July 2; v. 252; p. 14.
Forsberg, Uno, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Combined radial and double thrust ball-bearing. No. 1,259,222; Mar. 12; v. 248; p. 406.
Forse, Harry D., Anderson, Ind. Window-shade. No. 1,280,699; Oct. 8; v. 255; p. 188.
Forsee, William C., Kansas City, Mo. Washing apparatus. No. 1,271,025; July 2; v. 252; p. 77.
Forslund, Henning D., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Producing clamping-sleeves. No. 1,256,672; Feb. 19; v. 247; p. 532.
Forsman, John, Quincy, Mass., assignor to General Electric Co. Shaper-fixture for broaching dovetail ends of turbine-buckets and the like. No. 1,254,589; Jan. 22; v. 246; p. 993.
Forssberg, Carl F. W., Brooklyn, N. Y. Radial sound-amplifier. No. 1,270,610; June 25, v. 251; p. 781.
Forssell, Carl A., Stockholm, Sweden. Locking-plate for bolt connections. No. 1,289,147; Dec. 31; v. 257; p. 845.
Forst, John P., Chicago, Ill. Mower. No. 1,262,658; Apr. 16; v. 249; p. 528.
Forster, Adam, Pittsburgh, Pa., assignor to J. E. Hanger, Incorporated. Clasp for the corsets of artificial limbs. No. 1,277,208; Aug. 27; v. 253; p. 887.
Forster, James W. (See Bray and Forster.)
Forster, Jesse W., Albany, Oreg. Truck attachment. No. 1,264,048; Apr. 23; v. 249; p. 935.
Forster, John C. (See Comerma, John, assignor.)
Forster, John C., Pittsburgh, Pa. Fly-wheel. No. 1,265,899; May 14; v. 250; p. 313.
Forster, John C., Pittsburgh, Pa. Garnishing-tool. No. 1,266,672; May 21; v. 250; p. 557.
Forster, John C., Pittsburgh, Pa. Weight toy. No. 1,281,150; Oct. 8; v. 255; p. 311.
Forster, William D. (See Fine, William H., assignor.)
Forstrom, John, Chicago, Ill. Engine. No. 1,254,219; Jan. 22; v. 246; p. 887.
Forsyth, Benjamin F., assignor of seven and one-half one-hundredths to C. M. Griffith, seven and one-half one-hundredths to L. M. Griffith, and forty-two one-hundredths to F. Ziethen, Chicago, Ill. Scaffold. No. 1,271,557; July 9; v. 252; p. 258.
Forsyth Brothers Company. (See Forsyth, George H., assignor.)
Forsyth Brothers Company. (See Griest, Lewis T., assignor.)
Forsyth Dyeing Co., The. (See Bolton, John T., assignor.)
Forsyth, George H., Chicago, Ill. Car-window construction. No. 1,274,028; July 30; v. 252; p. 1033.
Forsyth, George H., Chicago, Ill. Window-screen. No. 1,274,029; July 30; v. 252; p. 1033.
Forsyth, George H., assignor to Forsyth Brothers Company, Chicago, Ill. Vehicle-wheel. No. 1,269,172; June 11; v. 251; p. 328.
Forsyth, Joseph C., assignor of one-fourth to V. C. Gilpin and one-fourth to J. E. McAuliffe, Brooklyn, N. Y. Electric-light socket. No. 1,276,634; Aug. 20; v. 253; p. 697.
Forsyth, Peter N., Portland, Oreg. Trench-tool. No. 1,277,894; Sept. 3; v. 254; p. 155.
Forsyth, Robert B., Christchurch, New Zealand, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Pulsator for milking-machines. No. 1,257,688; Feb. 26; v. 247; p. 864.
Forsyth, Robert J., Jefferson, Ohio. Guard for pump-chains. No. 1,288,550; Dec. 24; v. 257; p. 676.
Forsythe, Luther E., *et al.* (See Gearhart and Lloyd, assignors.)
Forsythe, Samuel, Davis, W. Va. Sawmill-carriage. No. 1,283,490; Nov. 5; v. 256; p. 15.
Fort, Albert C., Bridgeport, Conn. Oxyacetylene-torch. No. 1,284,085; Nov. 5; v. 256; p. 171.
Fort, Emma M., Glidden, Iowa. Thread-holder. No. 1,272,030; July 9; v. 252; p. 392.
Fort, George L., assignor to Fort-ified Manufacturing Company, Kansas City, Mo. Heating device for metal-melting crucibles. No. 1,279,682; Sept. 24; v. 254; p. 717.
Fort-ified Manufacturing Company. (See Fort, George L., assignor.)
Fort, Louis, Jersey City, N. J. Weatherproof outlet. No. 1,284,291; Nov. 12; v. 256; p. 254.
Fort Pitt Bedding Company. (See Silvester, Joseph, assignor.)
Fort Pitt Bedding Company. (See Sleeth, Montgomery, assignor.)
Fort Worth Well Machinery & Supply Co. (See Herdman, Adam H., assignor.)
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulator. No. 1,259,383; Mar. 12; v. 248; p. 453.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulating-support. No. 1,259,384; Mar. 12; v. 248; p. 453.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Suspension-insulator. No. 1,259,385; Mar. 12; v. 248; p. 453.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical terminal. No. 1,259,386; Mar. 12; v. 248; p. 454.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer. (Reissue.) No. 14,473; May 21; v. 250; p. 745.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifier-equalizing system. No. 1,270,805; July 2; v. 252; p. 14.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Railway signaling system. No. 1,270,806; July 2; v. 252; p. 15.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase converting and balancing system. No. 1,280,007; Sept. 24; v. 254; p. 810.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of distribution. No. 1,284,292; Nov. 12; v. 256; p. 254.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,284,293; Nov. 12; v. 256; p. 255.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of distribution. No. 1,284,294; Nov. 12; v. 256; p. 255.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Load-balancing system. No. 1,289,430; Dec. 31; v. 257; p. 917.
Forth, Charles, Ottawa, Ontario, Canada. Wall-switch. No. 1,256,546; Feb. 19; v. 247; p. 495.
Forth, Charles, assignor to Flexible Metal Hose Company Limited, Ottawa, Ontario, Canada. Switch-lock. No. 1,267,998; May 28; v. 250; p. 954.
Forth, Charles, assignor to Flexible Metal Hose Company Limited, Ottawa, Ontario, Canada. Switch-stand. No. 1,269,069; June 11; v. 251; p. 301.
Forth, Charles, assignor to Flexible Metal Hose Company Limited, Ottawa, Ontario, Canada. Switch-lever. No. 1,269,070; June 11; v. 251; p. 301.
Forth, Charles, assignor to The Flexible Metal Hose Company, Limited, Ottawa, Ontario, Canada. Self-locking railway-switch handle. No. 1,275,237; Aug. 13; v. 253; p. 278.
Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Thermostatic control device. No. 1,267,319; May 21; v. 250; p. 735.
Fortin, Benjamin P., Hartford, Conn. Multiple-tool head for drill-presses. No. 1,283,135; Oct. 29; v. 255; p. 951.
Fortin, Benjamin P., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,277,399; Sept. 3; v. 254; p. 19.
Fortmann, Henry F., San Francisco, Cal. Grill. No. 1,266,244; May 14; v. 250; p. 409.
Forward, Chauncey B., Urbana, Ohio. Combined furnace and boiler and steam-superheater. No. 1,251,880; Jan. 1; v. 246; p. 132.
Forward, Chauncey B., Urbana, Ohio. Apparatus for vaporizing hydrocarbon oils. No. 1,255,149; Feb. 5; v. 247; p. 10.
Forward, Chauncey B., Urbana, Ohio. Apparatus for reducing crude petroleum. No. 1,274,405; Aug. 6; v. 253; p. 18.
Fosberg, Henry C., and D. H. Strachan, assignors to Art Metal Construction Company, Jamestown, N. Y. Filing device. No. 1,266,444; May 14; v. 250; p. 461.
Foss, Benjamin Q. P., assignor to The Foss International Ore Reduction Company, San Francisco, Cal. Amalgamator. No. 1,270,399; June 25; v. 251; p. 721.
Foss, Fred G., Brooklyn, assignor to American Can Company, New York, N. Y. Can-feeding mechanism. No. 1,284,637; Nov. 12; v. 256; p. 339.
Foss, Fred G., Brooklyn, assignor to American Can Company, New York, N. Y. Can-feeding mechanism. No. 1,284,638; Nov. 12; v. 256; p. 340.
Foss International Ore Reduction Company, The. (See Foss, Benjamin Q. P., assignor.)
Foss, Wallace H., Cambridge, assignor to W. H. Foss Co., Inc., Boston, Mass. Shank-stiffener. No. 1,261,917; Apr. 9; v. 249; p. 293.
Foss, William A., Cleveland, Ohio. Artificial bait and hook. No. 1,264,626; Apr. 30; v. 249; p. 1130.

Foss, William A., Cleveland, Ohio. Artificial bait. No. 1,264,627; Apr. 30; v. 249; p. 1130.
Foss, William A., Cleveland, Ohio. Artificial bait. No. 1,265,900; May 14; v. 250; p. 313.
Foster, Arthur B., Washington, D. C. Process and apparatus for distilling. No. 1,277,895; Sept. 3; v. 254; p. 155.
Foster, Arthur B., Washington, D. C. Manufacture of sulfuric acid. No. 1,277,896; Sept. 3; v. 254; p. 156.
Foster, Baldwin H., assignor of one-half to F. W. Simon, Utica, N. Y. Picture-projecting machine. No. 1,264,869; Apr. 30; v. 249; p. 1194.
Foster Bros. Mfg. Co. (See Frank, William E. assignor.)
Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
Foster Brothers Manufacturing Company. (See Kelly, William J., assignor.)
Foster, Charles, Croydon, England, assignor to Powers Accounting Machine Company, New York, N. Y. Tabulating-machine. No. 1,274,528; Aug. 6; v. 253; p. 55.
Foster, Charles H., St. Louis, Mo. Boiler-stand. No. 1,276,202; Aug. 20; v. 253; p. 577.
Foster, Charles H., St. Louis, Mo. Boiler-stand. No. 1,288,551; Dec. 24; v. 257; p. 676.
Foster, Clarence M., Toledo, Ohio. Wrench. No. 1,271,693; July 9; v. 252; p. 297.
Foster, Clarence M., Toledo, Ohio. Buckle-plate. No. 1,276,748; Aug. 27; v. 253; p. 765.
Foster, Clarence W., Chloride, Ariz. Demountable rim. No. 1,287,276; Dec. 10; v. 257; p. 305.
Foster and Company, Charles B. (See Higinbotham, Arthur O., assignor.)
Foster, Donovan, Moscow, Idaho. Headlight-lens. No. 1,261,375; Apr. 2; v. 249; p. 110.
Foster, Edgar, Vicksburg, Miss. Railway-signal. No. 1,269,919; June 18; v. 251; p. 566.
Foster, Edward, Montego Bay, Jamaica, British West Indies. Piano-strings and frame for same. No. 1,266,445; May 14; v. 250; p. 462.
Foster, Edward E., Beverly, Mass. Cam-path-generating machine. No. 1,256,461; Feb. 12; v. 247; p. 435.
Foster, Edward E., Beverly, Mass. Cam-path-generating machine. No. 1,269,920; June 18; v. 251; p. 567.
Foster, Edward E., Beverly, Mass. Cam-path-generating machine. No. 1,284,884; Nov. 12; v. 256; p. 403.
Foster, Edward E., Beverly, assignor to C. C. Blake, Incorporated, Boston, Mass. Last-making machine. No. 1,269,273; June 11; v. 251; p. 358.
Foster, Edward F., Milwaukee, Wis. Signaling device. No. 1,285,662; Nov. 26; v. 256; p. 677.
Foster, Ernest H., Dongan Hills, assignor to Power Specialty Company, New York, N. Y. Superheater for steam-boilers. No. 1,272,248; July 9; v. 252; p. 452.
Foster, Freling C., Jr., assignor to F. C. Foster, Chicago, Ill. Perfume-dispenser. No. 1,285,101; Nov. 19; v. 256; p. 496.
Foster, Herbert F., Epsom, England. Chuck. No. 1,281,773; Oct. 15; v. 255; p. 512.
Foster, Lewis L., Govans, Md., assignor of one-half to J. H. Ruehmling, Brooklyn, N. Y. Air-compressor. No. 1,272,651; July 16; v. 252; p. 594.
Foster, James G., Vancouver, British Columbia, Canada. Automatic saw-sharpener. No. 1,256,782; Feb. 19; v. 247; p. 564.
Foster, James H., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Barrel. No. 1,262,766; Apr. 16; v. 249; p. 559.
Foster, James H., assignor to The Hydraulic Pressed Steel Co., Cleveland, Ohio. Making barrels. No. 1,262,935; Apr. 16; v. 249; p. 607.
Foster, John O., Seattle, Wash. School-desk. No. 1,256,218; Feb. 12; v. 247; p. 364.
Foster, Lewis L., Govans, Md., assignor of one-half to J. H. Ruehmling, Brooklyn, N. Y. Internal-combustion engine. No. 1,255,730; Feb. 5; v. 247; p. 178.
Foster, Luther X., New York, N. Y. Internal-combustion turbine. No. 1,287,277; Dec. 10; v. 257; p. 305.
Foster Machine Company. (See McKean, John O., assignor.)
Foster, Miles T., Grand Rapids, Wis. Fish-hook. No. 1,288,552; Dec. 24; v. 257; p. 677.
Foster, Olin O., Oxford, Mass. Umbrella-repair cap. No. 1,268,227; June 4; v. 251; p. 44.
Foster, Pell W., assignor to Power Specialty Company, New York, N. Y. Tube-expander. No. 1,273,475; July 23; v. 252; p. 845.
Foster, Reuben W., Mankato, Minn. Oven. No. 1,262,659; Apr. 16; v. 249; p. 528.
Foster, Samuel P., Augusta, Ill. Anchor for check-row wires. No. 1,258,102; Mar. 5; v. 248; p. 46.
Foster, Samuel T., Jr., Laredo, Tex. Automatic weighing-scale. No. 1,254,668; Jan. 29; v. 246; p. 1044.
Foster, Theodore W., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Identification-tag locket or holder. No. 1,255,870; Feb. 12; v. 247; p. 259.
Foster, Thomas F. (See Schmitt, Philipp, assignor.)
Foster, Walter, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Reciprocating mechanism and system of motor control therefor. No. 1,252,897; Jan. 8; v. 246; p. 453.
Foster, Walter L., Whittier, Cal. Automatic pump control for boiler-feed. No. 1,270,138; June 18; v. 251; p. 624.
Foster, Walter L., Whittier, Cal. Sucker-rod elevator. No. 1,285,102; Nov. 19; v. 256; p. 496.
Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Movable cushion for couch-hammock backs and the like. No. 1,270,807; July 2; v. 252; p. 15.
Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Covered-spring structure. No. 1,287,662; Dec. 17; v. 257; p. 430.
Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Covered-spring structure. No. 1,287,663; Dec. 17; v. 257; p. 431.
Föttinger, Hermann, Zoppot, near Danzig, Germany. Mixed gas and liquid turbine. No. 1,256,673; Feb. 19; v. 247; p. 532.
Föttinger, Hermann, Zoppot, near Danzig, Germany. Rotary gas-engine. No. 1,256,674; Feb. 19; v. 247; p. 533.
Fouch, James R., Los Angeles, Cal. Tractor device. No. 1,282,683; Oct. 22; v. 255; p. 799.
Fouche, Sidney A., Forsyth, Ga. Bottle. No. 1,280,700; Oct. 8; v. 255; p. 188.
Fougner, Nicolay K., Christiania, Norway. Sea-mine of steel-concrete. No. 1,275,894; Aug. 13; v. 253; p. 460.
Foukes, Philip, Pittsburgh, Pa. Splice-joint. No. 1,269,698; June 18; v. 251; p. 505.
Foulkes, John B., Utica, N. Y. Non-tangling device for flags. No. 1,283,136; Oct. 29; v. 255; p. 951.
Foulkrod, Byron. (See Myers, Melvin A., assignor.)
Foundation Company, The. (See Brown, Louis L., assignor.)
Foundry Equipment Company, The. (See Coleman, Frederick A., assignor.)
Fountain Faucet Company. (See Melander, August W., assignor.)
Four Drive Tractor Company, The. (See Simmons, Jesse C., assignor.)
Fourneaux, Emile A., Manchester, England. Production of black upon textile fibers. No. 1,277,056; Aug. 27; v. 253; p. 845.
Fournier, Auguste. (See Sarasin, Fournier and Sarasin.)
Fournier, Charles, Philadelphia, Pa. Ship-reaming tool. No. 1,289,722; Dec. 31; v. 257; p. 987.
Fouse, Herman, Akron, Ohio. Controlling device. No. 1,285,663; Nov. 26; v. 256; p. 677.
Fouts, Calvin C., Middletown, Ohio. Meter-box. No. 1,265,767; May 14; v. 250; p. 275.
Fouts, Calvin C., Middletown, Ohio. Ice-can. No. 1,282,797; Oct. 29; v. 255; p. 858.
Fouts, Calvin C., assignor to The C. C. Fouts Company, Middletown, Ohio. Grain-bin. No. 1,274,868; Aug. 6; v. 253; p. 151.
Fovargue, Walter G., Glencoe, Ill. Golf-bag. No. 1,254,669; Jan. 29; v. 246; p. 1045.
Fow, Raymond S. C., and S. M. Templeton, Philadelphia, Pa., said Fow assignor to said Templeton. Securing apparatus for meat-slicing machines. No. 1,272,934; July 16; v. 252; p. 674.
Fowler, Alfred B., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-support for shoe-machines. No. 1,256,547; Feb. 19; v. 247; p. 495.
Fowler, Alfred B., Beverly, Mass, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,257,689; Feb. 26; v. 247; p. 864.
Fowler, Alfred B., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1.288,553; Dec. 24; v. 257; p. 677.
Fowler, Alfred L. (See Jacobson and Fowler.)
Fowler Car Company, The. (See Fowler, William E., Sr., assignor.)
Fowler, Carl H., *et al.* (See Clarke, George B., assignor.)
Fowler, Carl H., New York, N. Y. Tunnel-boat. No. 1,263,052; Apr. 16; v. 249; p. 640.
Fowler, Charles E., Seattle, Wash. Dam. No. 1,254,005; Jan. 15; v. 246; p. 805.
Fowler, Clarence B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,271,883; July 9; v. 252; p. 348.
Fowler, Edward, Cedar Grove, Ga. Planter. No. 1,282,798; Oct. 29; v. 255; p. 859.
Fowler, Edward J., Redwood City, Cal., assignor to General Chemical Company, New York, N. Y. Roasting-furnace shaft. No. 1,278,129; Sept. 10; v. 254; p. 242.
Fowler, Elbert, Atlanta, Ga. Electric heating device. No. 1,283,137; Oct. 29; v. 255; p. 951.
Fowler, Frank L., Philadelphia, Pa. Electric lamp. No. 1,262,936; Apr. 16; v. 249; p. 607.
Fowler, George A., Jr., Thatcher, Ariz. Fluid-pressure stabilizer for aeroplanes. No. 1,278,627; Sept. 10; v. 254; p. 375.
Fowler, Harry N., assignor to M. C. Fowler, Chicago, Ill. Search-light lamp. No. 1,257,837; Feb. 26; v. 247; p. 909.
Fowler, Henry A. (See Mead, Frank M., assignor.)

Fowler, Herbert F., Omaha, assignor of one-half to E. Bignell, Lincoln, and one-fourth to L. J. Fowler, Omaha, Nebr. Lock-nut. No. 1,262,188; Apr. 9; v. 249; p. 368.
Fowler, Joel J., Athens, Ga. Safety cut-out-plug puller. No. 1,251,496; Jan. 1; v. 246; p. 13.
Fowler, John W. (See Terry and Fowler.)
Fowler, Jonathan O., New York, N. Y. Tire for trucks. No. 1,282,562; Oct. 22; v. 255; p. 767.
Fowler, Le Roy J., *et al.* (See Fowler, Herbert F., assignor.)
Fowler, Mabel C. (See Fowler, Harry N., assignor.)
Fowler, Otis M., Indianapolis, Ind., assignor, by mesne assignments, to C. F. Yegge, trustee, Evanston, Ill. Wire-bound box. No. 1,284,639; Nov. 12; v. 256; p. 340.
Fowler, Thomas G., Boston, Mass., assignor to T. H. Synon, Norfolk, Va. Continuous press. No. 1,288,864; Dec. 24; v. 257; p. 751.
Fowler, Walter, Doncaster, England. Ball-bearing. No. 1,270,400; June 25; v. 251; p. 722.
Fowler, Walter, London, England. Gravity-feed device for boiler feed-water. No. 1,280,435; Oct. 1; v. 255; p. 89.
Fowler, Walter C., Trenton, N. J. Register. No. 1,260,658; Mar. 26; v. 248; p. 887.
Fowler, William, Cincinnati, Ohio, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-last. No. 1,258,401; Mar. 5; v. 248; p. 131.
Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Car-floor construction. No. 1,268,339; June 4; v. 251; p. 77.
Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Running-board. No. 1,268,340; June 4; v. 251; p. 77.
Fox, Austen H., New York, and A. W. Lenderoth, Stapleton, N. Y. Magnetic controlling device for railways. No. 1,261,376; Apr. 2; v. 249; p. 110.
Fox, Catherine A., Chicago, Ill. Ventilating-closure for window-openings and the like. No. 1,268,228; June 4; v. 251; p. 45.
Fox, David J., Boston, Mass. Air-moistening device. No. 1,271,306; July 2; v. 252; p. 156.
Fox, Dennis F., Candor, N. C. Fuel-heating device for explosive-engines. No. 1,256,994; Feb. 19; v. 247; p. 628.
Fox, Edward P., Lake Arthur, La. Irrigating device. No. 1,274,702; Aug. 6; v. 253; p. 104.
Fox, Edward W., assignor to Fisher Body Corporation, Detroit, Mich. Adjustable seat. No. 1,276,203; Aug. 20; v. 253; p. 578.
Fox, Fred, and S. E. Lotz, Lima, Ohio. Porch-swing. No 1,260,358; Mar. 26; v. 248; p. 797.
Fox, George R., Pleasanton, Nebr. Cultivator. No. 1,253,480; Jan. 15; v. 246; p. 657.
Fox, Le Vern, Hutchinson, Kans. Gasolene motor-car. No. 1,255,731; Feb. 5; v. 247; p. 179.
Fox, Raphael A., New York, N. Y. Shoe-tongue pad. No. 1,275,895; Aug. 13; v. 253; p. 460.
Fox, Samuel, New York, N. Y. Shoe-polishing machine. No. 1,284,640; Nov. 12; v. 256; p. 340.
Fox, Thomas J. (See Miller and Fox.)
Fox, William F., Whitestone, assignor, by mesne assignments, to Natural Color Pictures Company, Inc., New York, N. Y. Production of colored pictures. No. 1,256,675; Feb. 19; v. 247; p. 533.
Fox, William H., assignor of one-half to B. W. Japs, Minneapolis, Minn. Demountable rim. No. 1,285,103; Nov. 19; v. 256; p. 497.
Fox, William N., San Antonio, Tex. Display or advertising device. No. 1,266,446; May 14; v. 250; p. 462.
Fox, William R., Grand Rapids, Mich. Type-writer. No. 1,254,321; Jan. 22; v. 246; p. 917.
Fox, William R., Grand Rapids, Mich. Pencil-sharpener. No. 1,257,690; Feb. 26; v. 247; p. 865.
Foxboro Company, The. (See Bristol, Edgar H., assignor.)
Foxlee, John E., Chicago, Ill. Oven. No. 1,253,366; Jan. 15; v. 246; p. 623.
Foxwell, Charles, Baltimore, Md. Distilling combustible materials. No. 1,255,593; Feb. 5; v. 247; p. 139.
Foxworth, Eldrige S., Glenmore, La. Aeroplane-bomb. No. 1,276,635; Aug. 20; v. 253; p. 697.
Foye, William H. (See Fisher and Foye.)
Foyer, Melvin J., Toledo, Ohio. Folding bed. No. 1,285,664; Nov. 26; v. 256; p. 677.
Fraber, Thomas J., Washington, D. C. Concrete construction for ceilings for buildings. No. 1,253,952; Jan. 15; v. 246; p. 790.
Fraenkell, Eugen J., New York, N. Y. Apparatus for making hollow articles from plastic material. No. 1,273,601; July 23; v. 252; p. 878.
Fraenzl, Hubert P., Tacoma, Wash. Type-writing machine. No. 1,278,324; Sept. 10; v. 254; p. 295.
Fragmeier, William O., and O. G. Muhlig, Portland, Oreg. Spike-making device. No. 1,273,760; July 23; v. 252; p. 920.
Frahm, Carl A., assignor to The Republic Stamping & Enameling Company, Canton, Ohio. Metal-working press. No. 1,285,104; Nov. 19; v. 256; p. 497.
Frahn, Joseph W. (See Frahn, Laurence B., assignor.)
Frahn, Laurence B., assignor of one-half to J. W. Frahn, New Decatur, Ala. Spring-wheel for automobiles. No. 1,254,492; Jan. 22; v. 246; p. 965.
Fraim, Samuel R., Lancaster, Pa., assignor to The E. T. Fraim Lock Company. Lock-case. No. 1,253,677; Jan. 15; v. 246; p. 713.
Fraim, Samuel R., Lancaster, Pa., assignor to The E. T. Fraim Lock Company. Ward-cylinder for locks. No. 1,253,678; Jan. 15; v. 246; p. 714.
Fraim, Samuel R., Lancaster, Pa., assignor to The E. T. Fraim Lock Company. Combined lock and latch. No. 1,253,679; Jan. 15; v. 246; p. 714.
Fraley, Casper H., Lynden, Wash. Pump. No. 1,286,271; Dec. 3; v. 257; p. 21.
Fraley, Charles E., and H. Steines, assignors to The United States Bedding Company, St. Paul, Minn. Bed fabric. No. 1,263,659; Apr. 23; v. 249; p. 829.
Frambach, Mathew J., assignor of one-half to G. A. Romey, Melvin, Iowa. Antiskidding device for automobiles. No. 1,269,921; June 18; v. 251; p. 567.
Frame, Frank and L., Sawyer, Kans. Tire-alarm. No. 1,255,732; Feb. 5; v. 247; p. 180.
Frame, Louis. (See Frame, Frank and L.)
Franc, Joseph M. E., Lyon, France. Vehicle-spring. No. 1,273,761; July 23; v. 252; p. 920.
Franc, Sidney, New York, N. Y. Neckwear. No. 1,260,177; Mar. 19; v. 248; p. 710.
Francart, Fernand M., Springdale, Pa. Device for use in connection with the drawing of glass cylinders. No. 1,272,652; July 16; v. 252; p. 594.
France, Arthur G., London, England. Buckle or fastening device for straps, bands, and the like. No. 1,274,030; July 30; v. 252; p. 1034.
France, Charles D., Hoagland, Ind. Grease-gun. No. 1,288,554; Dec. 24; v. 257; p. 677.
France, Floyd J., and P. F. Craun, Quincy, Mich. Horseshoeing appliance. No. 1,278,628; Sept. 10; v. 254; p. 376.
France, R. L. (See Elmendorf, Lucius F., assignor.)
Franche, Cyril E., Chicago, Ill. Composition for and process of coating electric-light bulbs. No. 1,259,505; Mar. 19; v. 248; p. 519.
Francis, Albert W., *et al.* (See Richards, John M., assignor.)
Francis, Arthur E., Cleveland, Ohio. Cord-terminal. No. 1,266,114; May 14; v. 250; p. 374.
Francis, Delbert A., Columbus, Ohio. Trousers-support. No. 1,267,533; May 28; v. 250; p. 822.
Francis, Henry, London, England. Milling and the like cutters. No. 1,278,629; Sept. 10; v. 254; p. 376.
Francis, John C., Boston, assignor to Samson Electric Company, Canton, Mass. Thermostatic time cut-out. No. 1,271,558; July 9; v. 252; p. 259.
Francis, John R., Rochester, N. Y. Automatic hasp-lock. No. 1,279,531; Sept. 24; v. 254; p. 673.
Francis Keil and Son. (See Hansen, Herman, assignor.)
Francis, Vincent H., Drumright, Okla., assignor to Frick-Reid Supply Company, Pittsburgh, Pa. Fishing-tool. No. 1,263,544; Apr. 23; v. 249; p. 798.
Francis, Vincent H., Drumright, Okla., assignor to Frick-Reid Supply Company, Pittsburgh, Pa. Pump. No. 1,284,641; Nov. 12; v. 256; p. 340.
Francis, Vincent H., Drumright, Okla., assignor to Frick-Reid Supply Company, Pittsburgh, Pa. Pump. No. 1,284,642; Nov. 12; v. 256; p. 341.
Francis, Vincent H., Drumright, Okla., assignor to Frick-Reid Supply Company, Pittsburgh, Pa. Pump. No. 1,286,272; Dec. 3; v. 257; p. 22.
Francis, William P., Atlanta, Ga. Condensation-sash for show-windows. No. 1,262,477; Apr. 9; v. 249; p. 448.
Francisco, Joseph B., Columbus, Ohio. Automobile-heater. No. 1,284,643; Nov. 12; v. 256; p. 341.
Franck-Philipson, Axel, Chicago, Ill. Solidified soluble coal-tar-derivative disinfectant. No. 1,282,062; Oct. 22; v. 255; p. 629.
Franck, William L., Philadelphia, Pa. Textile product and making the same. No. 1,277,057; Aug. 27; v. 253; p. 845.
Franckaerts, Emile, San Francisco, Cal. Check-hinge. No. 1,281,774; Oct. 15; v. 255; p. 512.
Francke Co., The. (See Francke, William J., assignor.)
Francke, William J., Highland Park, assignor to The Francke Co., New Brunswick, N. J. Shaft-coupling. No. 1,263,222; Apr. 16; v. 249; p. 688.
Francl, William P., Brooklyn, N. Y. Dry pipe for boilers. No. 1,261,729; Apr. 2; v. 249; p. 207.
Franco, John, San Juan Bautista, Cal. Auto-tractor. No. 1,273,350; July 23; v. 252; p. 811.
François, Lucien A., Paris, France. Impregnating and covering textile fabrics with balata without the aid of solvents. No. 1,285,105; Nov. 19; v. 256; p. 497.
Frane, Louis W., Colby, Wis. Power-transmission attachment for motor-vehicles. No. 1,277,897; Sept. 3; v. 254; p. 156.
Franey-Shore Co., The. (See Shore, William E., assignor.)
Frank Adam Electric Company. (See Adam, Frederick B., assignor.)
Frank A. Weeks Mfg. Co. (See Crozier, Michael A., assignor.)
Frank, Arthur A. (See Healy and Frank.)
Frank, Arthur A., Milwaukee, Wis. Tire former or core. No. 1,263,400; Apr. 23; v. 249; p. 757.

Frank B. Cook Company. (See Cook, Frank B., assignor.)
Frank B. Cook Company. (See Sands, Roy G., assignor.)
Frank, Burdette M. (See Knight and Frank.)
Frank, Emil, Cincinnati, Ohio. Powder-package. No. 1,276,204; Aug. 20; v. 253; p. 578.
Frank, Emil, Cincinnati, Ohio. Powder-package. No. 1,282,209; Oct. 22; v. 255; p. 670.
Frank, Francis X., Walkerton, Ontario, Canada. Bicycle-sled. No. 1,268,229; June 4; v. 251; p. 45.
Frank, Harry S., assignor to Inland Machine Works, St. Louis, Mo. Making piston-rings. No. 1,283,138; Oct. 29; v. 255; p. 952.
Frank, Harry S., assignor to Inland Machine Works, St. Louis, Mo. Centrifugal casting-machine. No. 1,283,139; Oct. 29; v. 255; p. 952.
Frank, John H., State Line, Wis. Canoe yoke attachment. No. 1,257,073; Feb. 19; v. 247; p. 650.
Frank, John J., and W. O. Dwyer, Pittsfield, Mass., assignors to General Electric Company. Electrical winding. No. 1,253,166; Jan. 8; v. 246; p. 534.
Frank, Joseph, assignor to T. L. Green, New York, N. Y. Coal-hole cover. No. 1,252,795; Jan. 8; v. 246; p. 425.
Frank, Louis, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. Crib. No. 1,278,903; Sept. 17; v. 254; p. 481.
Frank, Maxwell C., Piedmont, Cal. Electric push-button. No. 1,256,007; Feb. 12; v. 247; p. 299.
Frank, Maxwell C., Piedmont, Cal. Attachment for electric switches. No. 1,257,473; Feb. 26; v. 247; p. 801.
Frank, Maxwell C., Piedmont, Cal. Washboard-holder. No. 1,287,948; Dec. 17; v. 257; p. 502.
Frank, Morris B., Chicago, Ill. Combined ash pan and sifter. No. 1,260,359; Mar. 26; v. 248; p. 797.
Frank, Paul A., Akron, Ohio. Combined spark-plug and priming device. No. 1,267,203; May 21; v. 250; p. 706.
Frank, Richard H., Malta, Mont. Terminal connection. No. 1,266,575; May 21; v. 250; p. 529.
Frank S. Betz Company. (See Smith, Leo, assignor.)
Frank, William A., Hackensack, N. J., assignor to National Water Main Cleaning Company, New York, N. Y. Pipe-cleaning apparatus. No. 1,278,453; Sept. 10; v. 254; p. 327.
Frank, William E., assignor to Foster Bros. Mfg. Co., St. Louis, Mo. Folding couch. No. 1,281,333; Oct. 15; v. 255; p. 394.
Frank, William E., assignor to Foster Bros. Mfg. Co., St. Louis, Mo. Folding davenport. No. 1,281,334; Oct. 15; v. 255; p. 395.
Frank, William P., Chicago, Ill. Tube-bending machine. No. 1,283,140; Oct. 29; v. 255; p. 952.
Franke, Adolf, Grunewald, near Berlin, assignor to Siemens & Halske, A. G. Berlin, Germany. Telephone system. No. 1,268,106; June 4; v. 251; p. 10.
Frankenberger, William, Louisville, Ky., and H. N. Gillette, assignors to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Waste-valve. No. 1,254,897; Jan. 29; v. 246; p. 1116.
Frankenheim, Aaron. (See Crowe and Frankenheim.)
Franklin Baker Company, The. (See Cloud, George H., assignor.)
Franklin Barn Equipment Company. (See Franklin, Ray W., assignor.)
Franklin Brass Manufacturing Company. (See MacIndoe, John F., assignor.)
Franklin, Charles H., Schenectady, N. Y. Rotary tool. No. 1,270,808; July 2; v. 252; p. 15.
Franklin, Charles S., London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Means for controlling the speed of a machine. No. 1,284,885; Nov. 12; v. 256; p. 404.
Franklin, David J., Columbia, S. C. Air-brake mechanism. No. 1,274,156; July 30; v. 252; p. 1069.
Franklin, Elton, Jefferson City, Mo. Armored vehicle. No. 1,283,405; Oct. 29; v. 255; p. 1022.
Franklin Gas Turbine Company. (See Nance, James W., assignor.)
Franklin, Harry G., Hartwell, Ohio. Gas heating apparatus. No. 1,285,665; Nov. 26; v. 256; p. 678.
Franklin, Henry L., Goose Creek, Tex. Well-shooting torpedo. No. 1,270,719; June 25; v. 251; p. 807.
Franklin, Hubert F., Brooklyn, N. Y. Internal-combustion engine. No. 1,255,150; Feb. 5; p. v. 247; p. 11.
Franklin, Hubert F., Brooklyn, assignor to Reliance Ball Bearing Door Hanger Company, New York, N. Y. Device for opening and closing doors. No. 1,283,141; Oct. 29; v. 255; p. 952.
Franklin, John R., assignor to Black Diamond Mfg. Co., Cincinnati, Ohio. Hinge belt-fastener. No. 1,286,574; Dec. 3; v. 257; p. 95.
Franklin Railway Supply Company. (See Ball, Herman F., assignor.)
Franklin Railway Supply Company. (See Lane, William T., assignor.)
Franklin Railway Supply Company. (See Martin, Frederick W., assignor.)
Franklin Railway Supply Company. (See Rohman and Peters, assignors.)
Franklin, Ray W., assignor to Franklin Barn Equipment Company, Monticello, Iowa. Switch for elevated carriers. No. 1,285,666; Nov. 26; v. 256; p. 678.
Franklin, William S., trustee. (See Seyfert, Stanley S., assignor.)
Franks & Co. (See Franks, Helen C. M., assignor.) (Reissue.)
Franks, Helen C. M., Brooklyn, N. Y., assignor, by mesne assignments, to Franks & Co., Inc. Preserving fruits and other organic substances. (Reissue.) No. 14,489; June 25; v. 251; p. 820.
Frantz, Christian, Niagara Falls, N. Y. Grain-separator. No. 1,272,790; July 16; v. 252; p. 632.
Frantz Premier Company, The. (See Sullivan, Joseph L., assignor.)
Franz, Gustav A. (See Smith and Franz.)
Franz, Gustav A., Jackson, Mich. Spring structure. No. 1,255,151; Feb. 5; v. 247; p. 11.
Franz, Max. (See Soehnlein, Kusenberg, and Franz.)
Franz, Otto E. P., New York, N. Y. Vehicle foldable top. No. 1,269,592; June 18; v. 251; p. 475.
Franzén, Frans A., Lund, Sweden. Roller-gearing. No. 1,282,563; Oct. 22; v. 255; p. 767.
Frary, Francis C., Niagara Falls, N. Y., and S. N. Temple, St. Paul, Minn. Composition of copper alloys containing strontium. No. 1,258,886; Mar. 12; v. 248; p. 312.
Frasch, Hans A., New York, N. Y. Method of and apparatus for conveying and absorbing gases. No. 1,282,799; Oct. 29; v. 255; p. 859.
Frascola, Antonio D., El Reno, Okla. Shoe-fastener. No. 1,269,274; June 11; v. 251; p. 358.
Fraser, Donald. (See Levalley, Fraser, and Shafer, jr.)
Fraser, Donald, assignor to Chain Belt Company, Milwaukee, Wis. Chain for conveyers. No. 1,281,934; Oct. 15; v. 255; p. 556.
Fraser, Ethelbert M., Yonkers, N. Y. Starting and lighting apparatus. No. 1,289,148; Dec. 31; v. 257; p. 845.
Fraser, Ethelbert M., Yonkers, N. Y., assignor to General Elevator Company, Jersey City, N. J. Electric elevator system. No. 1,266,576; May 21; v. 250; p. 529.
Fraser, George H., Brooklyn, N. Y. Dust-filter and the like. No. 1,259,008; Mar. 12; v. 248; p. 347.
Fraser, George L., Honolulu, Hawaii, assignor to California Packing Corporation, San Francisco, Cal. Pineapple-slicer. No. 1,266,447; May 14; v. 250; p. 462.
Fraser, James, assignor to Speakman Supply and Pipe Co., Wilmington, Del. Lavatory-fitting. No. 1,281,335; Oct. 15; v. 255; p. 395.
Fraser, Joseph, Parnell, Auckland, New Zealand. Bin for holding flour, sugar, and the like. No. 1,253,581; Jan. 15; v. 246; p. 686.
Fraser, Le Roy B., New Haven, Conn., assignor to Sewell-Clapp Envelopes, Chicago, Ill. Machine for grinding dies. No. 1,257,691; Feb. 26; v. 247; p. 865.
Fraser, Richard C., Central City, assignor of one-third to W. R. Fraser, Durango, Colo. Rotary engine. No. 1,258,552; Mar. 5; v. 248; p. 176.
Fraser, Richard C., Central City, assignor of one-third to W. R. Fraser, Durango, Colo. Rotary steam-engine. No. 1,265,643; May 7; v. 250; p. 209.
Fraser, Samuel E., Port Pirie, South Australia, Australia. Burner for ore-sintering. No. 1,262,580; Apr. 9; v. 249; p. 478.
Fraser, Warren F., Westboro, Mass. Mechanical movement. No. 1,283,142; Oct. 29; v. 255; p. 953.
Fraser, Warren F., assignor to Warren F. Fraser Co., Boston, Mass. Grinder. No. 1,267,534; May 28; v. 250; p. 823.
Fraser, William M., Sewaren, N. J. Pump. No. 1,263,401; Apr. 23; v. 249; p. 757.
Fraser, William M., Woodbridge, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Manufacture of bituminous emulsions. No. 1,258,103; Mar. 5; v. 248; p. 46.
Fraser, William M., Woodbridge, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Cementitious bituminous emulsion. No. 1,259,223; Mar. 12; v. 248; p. 407.
Fraser, William R. (See Fraser, Richard C., assignor.)
Fratt, Harry C., Norristown, Pa. Ice-pan for refrigerators. No. 1,286,575; Dec. 3; v. 257; p. 96.
Frauenheim, Joseph A., Zelienople, assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Making bolts. No. 1,271,150; July 2; v. 252; p. 111.
Frauenheim, Joseph A., Zelienople, assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Bolt. No. 1,271,151; July 2; v. 252; p. 112.
Frazer, Charles H., Columbus, Ohio. Hydro-oxygen generator. No. 1,262,034; Apr. 9; v. 249; p. 324.
Frazer, Pinkney P., St. Louis, Mo. Bearing. No. 1,274,529; Aug. 6; v. 253; p. 55.
Frazer, Paul, Wilmington, Del. Drip-cup. No. 1,264,049; Apr. 23; v. 249; p. 935.
Frazer, Walter L., San Diego, Cal. Pneumatic-tube-stem dust-cap. No. 1,253,806; Jan. 15; v. 246; p. 749.
Frazier, Alexander, Portland, Oreg. Attachment for rocking-chairs. No. 1,264,913; May 7; v. 250; p. 11.
Frazier, James T., Jr., Washington, D. C. Mooring device. No. 1,281,336; Oct. 15; v. 255; p. 395.
Frazier, James W., and F. E. Hansen, Cleveland, Ohio. Hose-coupling. No. 1,274,406; Aug. 6; v. 253; p. 18.
Frazier, John. (See Boyd and Frazier.)
Frazier, Oliver B., Elwood, Ind. Lawn-mower. No. 1,252,421; Jan. 8; v. 246; p. 317.
Frazier, Oliver B., Elwood, Ind. Lawn-mower. No. 1,256,008; Feb. 12; v. 247; p. 300.

Alphabetical list of patentees—Continued.

Frazier, Orville Z., assignor of one-half to J. F. Boyer, Elkhart, Ind. Fuel-control valve for internal-combustion engines. No. 1,280,201; Oct. 1; v. 255; p. 24.
Frazier, Orville Z., assignor of one-half to J. F. Boyer, Elkhart, Ind. Pressure-regulator. No. 1,281,337; Oct. 15; v. 255; p. 396.
Frazier, Orville Z., assignor of one-half to J. F. Boyer, Elkhart, Ind. Acetylene-generator. No. 1,282,800; Oct. 29; v. 255; p. 859.
Frazier, Rena. (See Robinson, Arthur, assignor.)
Frazier, Samuel D., Carrizo Springs, Tex. Square. No. 1,268,230; June 4; v. 251; p. 45.
Frazzano, Frank, Washington, D. C. Bath-tub appliance. No. 1,272,936; July 16; v. 252; p. 674.
Frears, Samuel T., Trenton, N. J., assignor to Henry Disston & Sons, Philadelphia, Pa. Insertible-tooth saw. No. 1,281,935; Oct. 15; v. 255; p. 556.
Freas, Francis L., Conshohocken, Pa. Hydrometer-syringe. No. 1,262,478; Apr. 9; v. 249; p. 448.
Freas, Samuel T., Trenton, N. J., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Detachable-segment saw. No. 1,274,255; July 30; v. 252; p. 1097.
Freas, Samuel T., Trenton, N. J., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Detachable-segment saw. No. 1,278,630; Sept. 10; v. 254; p. 376.
Freas, Thomas B., Leonia borough, N. J., assignor to V. Weber & Company, Chicago, Ill. Thermostatic circuit-closer. No. 1,286,576; Dec. 3; v. 257; p. 96.
Freborg, Charles, Kankakee, Ill. Motor for player-pianos. No. 1,267,535; May 28; v. 250; p. 823.
Freborg, Charles, Kankakee, Ill. Player-piano and pump therefor. No. 1,267,859; May 28; v. 250; p. 916.
Freborg, Charles, Kankakee, Ill. Player-piano construction. No. 1,268,448; June 4; v. 251; p. 109.
Freborg, Charles, Kankakee, assignor to Price & Teeple Piano Company, Chicago, Ill. Motor-mounting for piano-players. No. 1,267,536; May 28; v. 250; p. 824.
Frech, Charles, Steelton, Ontario, Canada. Automatic valve. No. 1,270,282; June 25; v. 251; p. 688.
Frech, Charles, Steelton, Ontario, Canada. Pipe-wrench. No. 1,281,547; Oct. 15; v. 255; p. 452.
Frech, E. R. (See Seidenbecker, Grover F., assignor.)
Freck, Charles B., Asheville, N. C. Closet-bowl. No. 1,271,026; July 2; v. 252; p. 77.
Freck, Ernest M., and F. V. Roberts, Asheville, N. C. Wick-cleaning attachment for liquid-fuel burners. No. 1,287,664; Dec. 17; v. 257; p. 431.
Fred Fear Match Co. (See Fear, Naldrett, and Nicodemus, assignors.)
Fred H. Knapp Company, The. (See Blackstone, Clarence W., assignor.)
Fred H. Knapp Company, The. (See Knapp and Dewey, assignors.)
Frede, Charles F., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,276,636; Aug. 20; v. 253; p. 697.
Frederick, Ethelbert R., East Orange, N. J., assignor to Havone Corporation, New York, N. Y. Cigarette-case. No. 1,271,884; July 9; v. 252; p. 348.
Frederick, Halsey A., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-receiver. No. 1,273,351; July 23; v. 252; p. 811.
Frederick, Harry A., New Rochelle, N. Y. Top. No. 1,265,644; May 7; v. 250; p. 209.
Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulating material and making the same. No. 1,284,295; Nov. 12; v. 256; p. 255.
Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Making laminated articles. No. 1,284,296; Nov. 12; v. 256; p. 256.
Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making rods, tubes, and the like. No. 1,284,297; Nov. 12; v. 256; p. 256.
Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Making composite tubes. No. 1,284,298; Nov. 12; v. 256; p. 256.
Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Decorative insulating material and making the same. No. 1,284,644; Nov. 12; v. 256; p. 341.
Frederick M. Ross Manufacturing Company, The. (See Ross, Frederick M., assignor.)
Frederick Osann Company, The. (See Lyons, Robert L., assignor.)
Frederick Osann Company. (See Lyons, Morris, and Nielsen, assignors.)
Frederick Osann Company. (See Masterson, James H., assignor.)
Frederick Osann Company. (See Plumley, Raymond L., assignor.)
Frederick Osann Company. (See Wright, Alpha H., assignor.)
Frederick, Samuel B., Detroit, Mich. Burnishing-wheel. No. 1,266,932; May 21; v. 250; p. 629.
Frederick Stearns & Company. (See McClure, Clarence M., assignor.)
Frederick, Walter A., assignor to Continental Motors Corporation, Detroit, Mich. Crank-case pan for engines. No. 1,281,548; Oct. 15; v. 255; p. 452.
Frederick, William A., Boston, Mass., assignor to The Motor Car Equipment Company, New York, N. Y. Automatic oiler. No. 1,255,087; Jan. 29; v. 246; p. 1167.
Frederick, William A., Boston, Mass., assignor to The Motor Car Equipment Company, New York, N. Y. Automatic oiler. No. 1,255,088; Jan. 29; v. 246; p. 1167.
Frederickson, Clayton E., assignor to Frederickson Engineering Corporation, Chicago, Ill. Derrick. No. 1,252,336; Jan. 1; v. 246; p. 257.
Frederickson Engineering Corporation. (See Frederickson, Clayton E., assignor.)
Frederickson, Joe, Pelican Rapids, Minn. Vehicle-spring. No. 1,265,072; May 7; v. 250; p. 56.
Fredman, Charles G., Brooklyn, N. Y. Milling-machine. No. 1,285,667; Nov. 26; v. 256; p. 678.
Fredman, Fred H., Rochester, N. Y. Screen-frame. No. 1,285,973; Nov. 26; v. 256; p. 756.
Fredrick, John E., *et al.* (See Coughlin, Owen J., assignor.)
Fredrickson, John, and F. A. Risberg, Chicago, Ill. Sample-mounting machine. No. 1,268,955; June 11; v. 251; p. 267.
Fredrickson, Melvin C., Cameron, Wis. Telephone-mouthpiece. No. 1,272,413; July 16; v. 252; p. 525.
Freeborn, Cornelius C., Sr., New Milford, N. J. Safety-envelop. No. 1,285,974; Nov. 26; v. 256; p. 756.
Freeburg, Frank M., Philadelphia, Pa. Railway-switch. No. 1,259,506; Mar. 19; v. 248; p. 519.
Freeden, Frank, Taylors Falls, Minn. Pontoon-bridge and other army equipment combined. No. 1,279,097; Sept. 17; v. 254; p. 532.
Freedman, Hyman and N. M., assignors to Davoplane Bed Company, Chicago, Ill. Bed structure for davenports. No. 1,265,073; May 7; v. 250; p. 56.
Freedman, Nathan M. (See Freedman, Hyman and N. M.)
Freedman, Robert S., and H. H. Gottstein, New York, N. Y. Cot or stretcher. No. 1,256,219; Feb. 12; v. 247; p. 364.
Freedman, William I., Detroit, Mich. Sign. No. 1,261,801; Apr. 9; v. 249; p. 263.
Freel, Francis E., and E. C. Smith, Niles, Ohio. Mechanical cleaning device. No. 1,263,545; Apr. 23; v. 249; p. 799.
Freeland, George W., Moline, Ill. Self-loading hoisting-bucket. No. 1,287,278; Dec. 10; v. 257; p. 305.
Freeland, Lloyd D., Chicago, Ill., assignor to W. J. H. Strong, Beloit, Wis. Motor-driven fan. No. 1,265,189; May 7; v. 250; p. 88.
Freeman, Alfred, Colorado Springs, Colo. Optical-divergence determiner for cameras. No. 1,263,223; Apr. 16; v. 249; p. 689.
Freeman, Andrew, Burkett, Nebr. Plow. No. 1,286,983; Dec. 10; v. 257; p. 230.
Freeman-Daughaday Co. (See Callahan, Charles J., assignor.)
Freeman-Daughaday Co. (See Le Clair, Frank J., assignor.)
Freeman, Edgar H., Trenton, N. J. Lamp-socket. No. 1,260,360; Mar. 26; v. 248; p. 798.
Freeman, Edgar H., assignor to E. H. Freeman Electric Company, Trenton, N. J. Porcelain pull-socket. No. 1,262,320; Apr. 9; v. 249; p. 403.
Freeman, Edgar H., Trenton, N. J., assignor to E. H. Freeman Electric Company. Waterproof entrance-fitting for service-conduits. No. 1,263,877; Apr. 23; v. 249; p. 888.
Freeman, Edgar H., Trenton, N. J., assignor to E. H. Freeman Electric Company. Combination porcelain socket. No. 1,283,491; Nov. 5; v. 256; p. 15.
Freeman, George K., Santa Barbara, Cal. Tree surgery. No. 1,255,089; Jan. 29; v. 246; p. 1168.
Freeman, Harold C., assignor to The S. Freeman & Sons Mfg. Co., Racine, Wis. Circulating device for internal-combustion boilers. No. 1,262,035; Apr. 9; v. 249; p. 324.
Freeman, Horace, Vancouver, British Columbia, Canada, assignor to American Cyanamid Company, New York, N. Y. Crude cyanid and producing the same. No. 1,277,898; Sept. 3; v. 254; p. 156.
Freeman, Horace, Niagara Falls, Ontario, Canada, assignor to American Cyanamid Company, New York, N. Y. Electric furnace. No. 1,277,899; Sept. 3; v. 254; p. 157.
Freeman, Horace, Niagara Falls, Ontario, Canada, assignor to American Cyanamid Company, New York, N. Y. Process of producing sodium cyanid. No. 1,277,900; Sept. 3; v. 254; p. 157.
Freeman, Horace, Niagara Falls, Ontario, Canada, assignor to American Cyanamid Company, New York, N. Y. Preventing the decomposition of molten cyanids. No. 1,282,405; Oct. 22; v. 255; p. 724.
Freeman, Horace L., Newark, N. J. Advertising projection apparatus. No. 1,263,053; Apr. 16; v. 249; p. 640.
Freeman, John R., Providence, R. I. Portable winch. No. 1,270,809; July 2; v. 252; p. 15.

Freeman, John S., and W. L. Wortham, Jersey City, N. J., assignor to P. Lorillard Company, New York, N. Y. Wrapping-machine. No. 1,256,122; Feb. 12; v. 247; p. 334.
Freeman, Ladbrook H., assignor to The Guggenheim Laundry Machinery Co., Cleveland, Ohio. Ironing-machine. No. 1,260,532; Mar. 26; v. 248; p. 849.
Freeman, Lawrence K., Houston, Tex. Attachment for bale-forming presses. No. 1,257,474; Feb. 26; v. 247; p. 801.
Freeman, Lawrence K., Bellaire, Tex. Bale-forming machine. No. 1,277,302; Aug. 27; v. 253; p. 910.
Freeman, Leon, Chicago, Ill. Hat and hat-lining. No. 1,275,238; Aug. 13; v. 253; p. 278.
Freeman, Ross C., and W. Rossman, Buffalo, N. Y. Windshield attachment. No. 1,282,801; Oct. 29; v. 255; p. 860.
Freeman, Roy K. (See Merwin and Freeman.)
Freeman, Rufus A., Flushing, assignor to The Autopress Company, New York, N. Y. Printing-machine. No. 1,252,422; Jan. 8; v. 246; p. 317.
Freeman, William A., assignor to W. A. Freeman Company, Limited, Hamilton, Ontario, Canada. Refrigerated display-counter top. No. 1,286,984; Dec. 10; v. 257; p. 230.
Freeman, William C., Nashville, Tenn. Sound-amplifier for phonographs. No. 1,285,668; Nov. 26; v. 256; p. 679.
Freeman, William F. (See Sutherland and Smith, assignors.)
Freeman, William F., Grandville, Mich. Belt-hook mount. No. 1,278,130; Sept. 10; v. 254; p. 242.
Freeon, Henry, Casmalia, Cal. Cooking utensil. No. 1,284,299; Nov. 12; v. 256; p. 256.
Freeon, Henry J., Santa Maria, Cal. Expanding drill. No. 1,260,533; Mar. 26; v. 248; p. 849.
Freeouf, Stephen J., Dorchester, Nebr. Automatic reversing and stopping mechanism. No. 1,277,564; Sept. 3; v. 254; p. 64.
Freer, Phelps M., Detroit, Mich. Muffler. No. 1,255,401; Feb. 5; v. 247; p. 83.
Freer, Phelps M., Detroit, Mich. Rotary gas-engine. No. 1,272,791; July 16; v. 252; p. 633.
Freer, Phelps M., Detroit, Mich. Lubricating system for rotary engines. No. 1,286,985; Dec. 10; v. 257; p. 231.
Freer, Robert R. (See Smith, Frank H., assignor.)
Freese, Carl J., Elyria, Ohio. Paper-box handle. No. 1,268,706; June 4; v. 251; p. 180.
Freese, Courtland F. H., Pittsfield, N. H., assignor to Globe Manufacturing Company. Waterproof coat. No. 1,288,865; Dec. 24; v. 257; p. 751.
Freese, Reuben. (See Hill, Joseph C., assignor.)
Freese, Robert E. L., Fayette, Mo. Fence-wire stretcher. No. 1,275,896; Aug. 13; v. 253; p. 460.
Fregoso, Severo C., Brighton, assignor of one-half to J. R. Ryman, Wiverly, Surrey, England. Internal-combustion and other engine. No. 1,285,106; Nov. 19; v. 256; p. 497.
Frehrs, Hermann, Lübeck, Germany. Force-pump. No. 1,258,207; Mar. 5; v. 248; p. 75.
Frehrs, Hermann, Lübeck, Germany. Means for forming paper bags. No. 1,268,107; June 4; v. 251; p. 11.
Freihofer, Charles, Philadelphia, Pa. Vehicle spring construction. No. 1,285,107; Nov. 19; v. 256; p. 498.
Freimark, Otto, Martin, Ohio. Rail-brake. No. 1,273,212; July 23; v. 252; p. 775.
Freirich, Abraham, Demarest, N. J. Non-skidding attachment for wheel-tires. No. 1,275,897; Aug. 13; v. 253; p. 460.
Freiwald, Gustav. (See Dierke, Charles, assignor.)
Freiwald, Gustav, Portland, Oreg. Hat-fastener. No. 1,276,638; Aug. 20; v. 253; p. 698.
Frelinghuysen, George G., Morris county, N. J., assignor to Steel Utilities, Inc. Label-dating mechanism. No. 1,280,202; Oct. 1; v. 255; p. 25.
Frelinghuysen, George G., Morris county, N. J., assignor to Steel Utilities, Incorporated. Label for commodity-packages. No. 1,289,431; Dec. 31; v. 257; p. 917.
Frelinghuysen, George G., Morris county, N. J., assignor to Steel Utilities, Incorporated. Dating commodity-packages. No. 1,289,432; Dec. 31; v. 257; p. 918.
Fremont Manufacturing Company. (See Bacon, Amos F., assignor.)
French, Alfred W., Piqua, Ohio. Press-plate. No. 1,256,676; Feb. 19; v. 247; p. 533.
French, Alfred W., Piqua, Ohio. Ventilating means for seed-houses. No. 1,256,677; Feb. 19; v. 247; p. 534.
French, Alfred W., Piqua, Ohio. Press-plate. No. 1,256,678; Feb. 19; v. 247; p. 534.
French, Alfred W., Piqua, Ohio. Press-plate. No. 1,256,679; Feb. 19; v. 247; p. 534.
French, Alfred W., Piqua, Ohio. Press-plate. No. 1,256,680; Feb. 19; v. 247; p. 535.
French, Alfred W., Piqua, Ohio. Pneumatic method of ventilating cotton-seed. No. 1,256,681; Feb. 19; v. 247; p. 535.
French, Alfred W., Chicago, Ill. Scaffold. No. 1,270,401; June 25; v. 251; p. 722.
French Battery & Carbon Co. (See Ford, Joseph C., assignor.)
French, Charles S., Eckman, W. Va. Sand-drier. No. 1,276,514; Aug. 20; v. 253; p. 663.
French, Chauncey D., Seattle, Wash. Signal device. No. 1,285,669; Nov. 26; v. 256; p. 679.
French, Frank H., Preston, Iowa. Adjusting mechanism for disk harrows. No. 1,277,400; Sept. 3; v. 254; p. 19.
French, Frank H., Preston, Iowa. Disk harrow. No. 1,286,986; Dec. 10; v. 257; p. 231.
French, Frederick, Detroit, Mich. Signal-pipe support. No. 1,261,377; Apr. 2; v. 249; p. 110.
French, George W., Jr., Danvers, Mass. Apparatus for guiding cloth. No. 1,268,956; June 11; v. 251; p. 268.
French, Harry F. (See Benner and French.)
French, Harry F., Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,289,433; Dec. 31; v. 257; p. 918.
French, Harry F., and R. C. Benner, Fremont, Ohio, assignors, by mesne assignments, to National Carbon Company, Inc. Making a battery-depolarizer. No. 1,269,173; June 11; v. 251; p. 329.
French, Harry F., and R. C. Benner, Fremont, Ohio, assignors, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,285,054; Nov. 19; v. 256; p. 484.
French & Hecht. (See Gerwe, Henry J., assignor.)
French & Hecht. (See Ploehn, John H., assignor.)
French, James B., Jamaica, N. Y. Transfer or float-bridge. No. 1,279,316; Sept. 17; v. 254; p. 591.
French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Tunneling-machine. No. 1,272,653; July 16; v. 252; p. 594.
French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Drag-line-bucket excavator. No. 1,275,548; Aug. 13; v. 253; p. 362.
French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Combined trench-machine and open-ditch excavator. No. 1,280,701; Oct. 8; v. 255; p. 189.
French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Trench-machine. No. 1,285,108; Nov. 19; v. 256; p. 498.
French, James C., assignor to F. C. Austin, Chicago, Ill. Mixing-machine charging-hopper. No. 1,278,131; Sept. 10; v. 254; p. 243.
French, James C., assignor to F. C. Austin, Chicago, Ill. Tractor-excavator. No. 1,278,454; Sept. 10; v. 254; p. 328.
French, James C., assignor to F. C. Austin, Chicago, Ill. Trench-jack. No. 1,281,936; Oct. 15; v. 255; p. 556.
French, Morgan C., Denver, Colo. Display-holder. No. 1,253,225; Jan. 15; v. 246; p. 580.
French, Oscar, Athena, Pa. Vehicle-spring. No. 1,287,665; Dec. 17; v. 257; p. 431.
French, Royal F., Los Angeles, Cal. Dust-cap for tire-valves. No. 1,285,670; Nov. 26; v. 256; p. 679.
Frenette, Alfred, Thetford Mines, Quebec, Canada. Razor-honing implement. No. 1,257,692; Feb. 26; v. 247; p. 866.
Frennett, Lewis N., San Diego, Cal. Signaling apparatus. No. 1,252,563; Jan. 8; v. 246; p. 359.
Frensdorf, Herman R., Green Bay, Wis. Gun-sight. No. 1,275,147; Aug. 6; v. 253; p. 227.
Frère, Raoul, Paris, France. Door for fireproof chambers. No. 1,275,549; Aug. 13; v. 253; p. 362.
Fréret, René P. D., and P. U. Mauran, Paris, France. Setting-up machine. No. 1,279,098; Sept. 17; v. 254; p. 532.
Fresh, Clara, New Bedford, Mass. Knife-rest. No. 1,264,914; May 7; v. 250; p. 11.
Fretz, Aaron, Edmond, Okla. Speed-change gearing. No. 1,286,987; Dec. 10; v. 257; p. 231.
Fretz, Glen E., Pratt, Kans. Motor-cycle attachment. No. 1,267,999; May 28; v. 250; p. 955.
Fretz, Samuel S., Philadelphia, Pa. Umbrella and parasol. No. 1,261,730; Apr. 2; v. 249; p. 207.
Freuler, Herbert F., Walla Walla, Wash. Manufacturing gases. No. 1,286,577; Dec. 3; v. 257; p. 96.
Freund, Henry, Waukegan, Ill. Automatic window-screen. No. 1,257,074; Feb. 19; v. 247; p. 650.
Frew, James S., and E. A. Lewis, Lancaster, Cal. Soil grading and leveling device. No. 1,257,838; Feb. 26; v. 247; p. 910.
Frew, John, and M. J. McNeil, Avoca, Pa. Coal-separator. No. 1,260,178; Mar. 19; v. 248; p. 710.
Frey, August J., assignor to Brass Goods M'f'g Co., Brooklyn, N. Y. Wire-compression clamp for tubing and the like. No. 1,275,898; Aug. 13; v. 253; p. 460.
Frey, Ellsworth, Springfield, Mass. Variable-speed transmission. No. 1,263,546; Apr. 23; v. 249; p. 799.
Frey, Eugene, Oakland, Cal. Automobile-signal. No. 1,277,303; Aug. 27; v. 253; p. 910.
Frey, Henry J., Palmyra, Mo. Bottle-stopper. No. 1,283,719; Nov. 5; v. 256; p. 74.
Frey, Herbert H., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,274,256; July 30; v. 252; p. 1097.
Frey, John H., and M. Mayer, Erie, Pa. Boring-tool holder. No. 1,256,462; Feb. 12; v. 247; p. 435.
Frey, Sigmund, assignor to Woolwine Metal Products Company, Los Angeles, Cal. Canteen. No. 1,281,549; Oct. 15; v. 255; p. 453.
Freydberg, Aaron, New York, N. Y. Paste-applying mechanism for fabric-slitting machines. No. 1,271,885; July 9; v. 252; p. 348.

Freydberg, Aaron, New York, N. Y. Apparatus for cutting cloth or other fabrics. No. 1,275,899; Aug. 13; v. 253; p. 460.
Freydberg, G. H. and E. (See Trattler, Morris, assignor.)
Freygang, Paul, San Francisco, Cal. Packaging merchandise. No. 1,258,887; Mar. 12; v. 248; p. 312.
Freyn and Company. (See Freyn, Heinrich J., assignor.)
Freyn, Heinrich J., assignor, by mesne assignments, to Freyn and Company, Chicago, Ill. Gas-burner. No. 1,282,802; Oct. 29; v. 255; p. 860.
Friberg, Arvid T. and G. G., Frederic, Wis. Threshing-machine. No. 1,253,167; Jan. 8; v. 246; p. 535.
Friberg, Gunard G. (See Friberg, Arvid T. and G. G.)
Friberg, John G., Maiden Rock, Wis. Tire-chain. No. 1,279,317; Sept. 17; v. 254; p. 592.
Frick, Allen J., Fleischmanns, assignor of one-fourth to J. J. Carey, Albany, N. Y. Method of and means for sealing receptacles for food products. No. 1,256,304; Feb. 12; v. 247; p. 388.
Frick Company. (See Manns, William H., assignor.)
Frick, Frederick F. (See Caples and Frick.)
Frick, Joseph L., and H. G. Clemenger, Jamestown, N. Y. Motor traction-car. No. 1,272,935; July 16; v. 252; p. 674.
Frick-Reid Supply Company. (See Francis, Vincent H., assignor.)
Frick, Walther, Höchst-on-the-Main, Germany, assignor to General Electric Company. Deodorizing grain. No. 1,267,204; May 21; v. 250; p. 706.
Fricke, William A., assignor to Automatic Electric Company, Chicago, Ill. Signaling system. No. 1,282,803; Oct. 29; v. 255; p. 860.
Fricker, Guy C., Luton, England. Refining of zinc. No. 1,287,949; Dec. 17; v. 257; p. 502.
Frickie, Charles H., Bonifas, Mich. Extension-socket. No. 1,276,637; Aug. 20; v. 253; p. 697.
Friction Proof Lubricant Company. (See Barr, David W., assignor.)
Friddle, James A., Cleveland, Ohio. Automobile-wheel-mounting-hub construction. No. 1,279,318; Sept. 17; v. 254; p. 592.
Friddle, James S. (See Flowers and Friddle.)
Friedberger-Aaron Manufacturing Company. (See Goldsmith, Edwin M., assignor.)
Friedel, Leslie W., Burlington, Iowa, assignor to E. T. Fenwick, Washington D. C. Electric-light socket. No. 1,259,612; Mar. 19; v. 248; p. 549.
Friedemann, Ulrich, Hackney, and T. E. Thompson, London, England. Irrigator for medical, chemical, and other purposes. No. 1,289,723; Dec. 31; v. 257; p. 987.
Friedhoffer, Benjamin. (See Johnson and Friedhoffer.)
Friedland, Joseph, Brooklyn, N. Y. Safety receiving-box. No. 1,266,007; May 14; v. 250; p. 342.
Friedlein, Fred J., assignor of one-half to L. Schroeder, Guttenberg, Iowa. Silo. No. 1,275,148; Aug. 6; v. 253; p. 227.
Friedley-Voshardt Company. (See Schoettle, Charles, assignor.)
Friedman, Abraham, Brooklyn, N. Y. Head-garment. No. 1,285,109; Nov. 19; v. 256; p. 498.
Friedman, Harry. (See Shomer and Friedman.)
Friedman, James S. (See Kornstein, Ulrich, assignor.)
Friedman, Morris, Brooklyn, N. Y. Device for aiding the hearing. No. 1,281,550; Oct. 15; v. 255; p. 453.
Friel, Claude L., Los Angeles, Cal. Linotype-machine. No. 1,263,316; Apr. 16; v. 249; p. 713.
Friel, Hattie D., administrator. (See Friel, Patrick H.)
Friel, Patrick H., deceased, Kenosha, Wis.; H. D. Friel, administrator. Welding apparatus. No. 1,288,866; Dec. 24; v. 257; p. 751.
Frieman, Jacob, Chicago, Ill. Wheel attachment. No. 1,287,279; Dec. 10; v. 257; p. 306.
Frierson, Eugene P. (See Gray, Walter, assignor.)
Frierson, Jesse, Albany, Ga. Hat-pin guard. No. 1,267,652; May 28; v. 250; p. 857.
Fries, Francis H., assignor to Venola Company, Winston-Salem, N. C. Confection. No. 1,267,320; May 21; v. 250; p. 736.
Fries, Frank J., and G. Birk, Pacific, Mo. Device for converting automobiles into prime movers. No. 1,253,953; Jan. 15; v. 246; p. 791.
Fries, John W., Winston-Salem, N. C. Composition for use in dyeing. No. 1,266,577; May 21; v. 250; p. 529.
Fries, Robert E., assignor to The Columbia Axle Company, Cleveland, Ohio. Axle construction. No. 1,283,143; Oct. 29; v. 255; p. 953.
Friesleben, Harold M., San Francisco, Cal. Flush-tank control. No. 1,261,378; Apr. 2; v. 249; p. 110.
Friess, Emil, Chicago, Ill. Portable pipe-vise stand. No. 1,252,423; Jan. 8; v. 246; p. 317.
Friess, Gustav A., Chicago, Ill. Sheet-delivery mechanism for printing-presses. No. 1,252,681; Jan. 8; v. 246; p. 392.
Friess, Gustav A., Chicago, Ill. Sheet-delivery mechanism for printing-presses. No. 1,280,702; Oct. 8; v. 255; p. 189.
Friess, Gustav A., Chicago, Ill. Sheet-gripping mechanism for printing-presses. No. 1,284,086; Nov. 5; v. 256; p. 171.
Frigidor Corporation, The. (See Kramer, Gustav A., assignor.)
Frink, Charles H., Northampton, Mass. Repeating device for talking-machines. No. 1,274,157; July 30; v. 252; p. 1069.
Frink, Harvey W. G., Carroll, Nebr. Hog-oiler. No. 1,252,256; Jan. 1; v. 246; p. 235.
Frink, Olin B., Elizabeth, N. J., assignor to Hall Switch and Signal Co. Signaling system. No. 1,258,616; Mar. 5; v. 248; p. 196.
Frisbee, Byron, *et al.* (See Shaut, Edwin J., assignor.)
Frisbee, Gabriel A., Vona, Colo. Smoking-pipe attachment. No. 1,253,954; Jan. 15; v. 246; p. 791.
Frisbie, Charles A., San Francisco, Cal. Extension-table. No. 1,277,710; Sept. 3; v. 254; p. 105.
Frisbie Motor Company, The. (See Frisbie, Russell A., assignor.)
Frisbie, Russell A., assignor to The Frisbie Motor Company, Middletown, Conn. Internal-combustion engine. No. 1,252,796; Jan. 8; v. 246; p. 425.
Frisby, Joseph P., *et al.* (See Kline, Walter, assignor.)
Frissell, Frank H., assignor to Russell Mfg. Co., Middletown, Conn. Machine-gun feed-belt. No. 1,258,553; Mar. 5; v. 248; p. 177.
Frissell, Frank H., assignor to The Russell Mfg. Co., Middletown, Conn. Machine-gun feed-belt. No. 1,260,890; Mar. 26; v. 248; p. 950.
Fritch, Lizzie, Schaberg, Ark. Hat-pin protector. No. 1,277,565; Sept. 3; v. 254; p. 64.
Fritsch, Edward J., and R. W. Nazel, assignors to J. Nazel, Philadelphia, Pa. Fluid-power hammer. No. 1,268,231; June 4; v. 251; p. 45.
Fritsch, George A., Renfrew, Ontario, Canada. Switch-actuating mechanism. No. 1,264,382; Apr. 30; v. 249; p. 1060.
Fritsch, Lewis A., Fort Thomas, Ky., assignor to Ohio Truss Company, Cincinnati, Ohio. Head-band. No. 1,258,617; Mar. 5; v. 248; p. 196.
Fritsch, Lewis A., assignor to Ohio Truss Company, Cincinnati, Ohio. Truss. No. 1,258,618; Mar. 5; v. 248; p. 196.
Fritsche, John T., Cleveland, Ohio. Advertising device. No. 1,274,530; Aug. 6; v. 253; p. 55.
Fritsche, Joseph, Puente, Cal. Bean-vine cutter. No. 1,252,337; Jan. 1; v. 246; p. 257.
Fritsche, Otto, New Ulm, Minn. Amusement device. No. 1,252,257; Jan. 1; v. 246; p. 236.
Fritts, Kenneth M., Millcreek township, Erie county, Pa. Boring-tool holder. No. 1,271,152; July 2; v. 252; p. 112.
Fritz, Arthur F., Canastota, N. Y. Swing. No. 1,264,172; Apr. 30; v. 249; p. 1002.
Fritz, Ethan A., San Francisco, Cal. Spotting-mount for camera-dissolve apparatus. No. 1,288,555; Dec. 24; v. 257; p. 677.
Fritz, Gustav E. (See McMahon and Fritz.)
Fritz, James A., Juneau, Wis. Can-feeder. No. 1,261,379; Apr. 2; v. 249; p. 111.
Fritz, John, New Bedford, Mass. Paper-clip. No. 1,275,012; Aug. 6; v. 253; p. 190.
Fritz, Philip, Grand Rapids, Mich. Ice-cream-dispensing machine. No. 1,269,699; June 18; v. 251; p. 505.
Fritz, William, Philadelphia, Pa. Lettering and decorating device. No. 1,269,174; June 11; v. 251; p. 329.
Fritze, Ferdinand A., Jr., assignor to Durable Box Co., Chicago, Ill. Bottom for knockdown boxes. No. 1,258,330; Mar. 5; v. 248; p. 111.
Fritzsche, Hermann. (See Anderwert, Fritzsche, and Schobel.)
Frix, Don D., Chicago, Ill. Lock. No. 1,260,763; Mar. 26; v. 248; p. 917.
Friz, Max. (See Daimler and Friz.)
Froehlich, Joseph, Brooklyn, N. Y., assignor to United States Envelope Company, Springfield, Mass. Cutting mechanism. No. 1,262,189; Apr. 9; v. 249; p. 368.
Froelich, John, St. Paul, Minn. Caterpillar-tread. No. 1,282,063; Oct. 22; v. 255; p. 630.
Froelich, John, St. Paul, Minn. Centrifugal fan for blowers. No. 1,282,065; Oct. 22; v. 255; p. 630.
Froelich, John, assignor to L. S. Hackney, St. Paul, Minn. Combination truck and tractor. No. 1,282,064; Oct. 22; v. 255; p. 630.
Froehlick, Harry T., Philadelphia, Pa., assignor to Bright Cigar Machine Company. Bunching material. No. 1,255,402; Feb. 5; v. 247; p. 83.
Froehling, Henry, *et al.* (See Sheib, Samuel H., assignor.)
Froehling, Henry C., *et al.* (See Sheib, Samuel H., assignor.)
Froelick, Louis D. (See Straight, Willard, assignor.)
Frohe, Charles F., assignor to Scientific Products Company, Inc., Buffalo, N. Y. Fireproofing and waterproofing composition. No. 1,273,213; July 23; v. 252; p. 775.
Fromm, Luther W., Nome, Alaska. Manufacture of artificial teeth. No. 1,254,670; Jan. 29; v. 246; p. 1045.
Fromm, Luther W., Nome, Alaska. Mold for artificial repair-teeth. No. 1,282,210; Oct. 22; v. 255; p. 670.
Fromm, Robert A., San Bernardino, Cal. Overhead contactor for electric railways. No. 1,287,950; Dec. 17; v. 257; p. 502.
Frommann, Franklin A., Chicago, Ill. Vehicle-wheel. No. 1,259,009; Mar. 12; v. 248; p. 348.

Alphabetical list of patentees—Continued.

Frömsdorf, Robert, Leipzig-Eutritzsch, assignor to Ludwig Hupfeld Aktiengesellschaft, Leipzig, Germany. Self-playing musical instrument. No. 1,256,464; Feb. 12; v. 247; p. 435.
Fronk, Robert E., and C. E. Kersey, Kewanee, Ill. Earth-drill. No. 1,287,280; Dec. 10; v. 257; p. 306.
Fronsdahl, Clarence E., Slater, Iowa. Kite. No. 1,261,731; Apr. 2; v. 249; p. 208.
Frood, Herbert, Chapel-en-le-Frith, England. Laminated spring. No. 1,254,493; Jan. 22; v. 246; p. 966.
Frost, Arba W. (See Cary, Henry B., assignor.)
Frost, Augustine L., Chicago, Ill. Bread-making. No. 1,254,494; Jan. 22; v. 246; p. 966.
Frost & Chadwick Co. (See Frost, John A., assignor.)
Frost, George B., Des Moines, Iowa. Stock-watering tank. No. 1,257,211; Feb. 19; v. 247; p. 689.
Frost, George B., Cincinnati, Ohio. Screen-door attachment. No. 1,279,319; Sept. 17; v. 254; p. 592.
Frost, Harry W., assignor to Clear Vision Windshield Company, Detroit, Mich. Lookout attachment. No. 1,275,013; Aug. 6; v. 253; p. 190.
Frost, John A., Brockton, Mass., assignor to Frost & Chadwick Co., Concord, N. H. Oil-can. No. 1,269,554; June 11; v. 251; p. 432.
Frost, Norris H., West Hoboken, N. J. Self-launching aeroplane. No. 1,254,898; Jan. 29; v. 246; p. 1116.
Frost, Walter S., Homerton, assignor to The Rotary Ignition Syndicate Limited, London, England. Electrostatic machine. No. 1,283,492; Nov. 5; v. 256; p. 15.
Frost, William, assignor of one-half to J. F. Null, Athens, Ill. Cornstalk-rake. No. 1,276,205; Aug. 20; v. 253; p. 578.
Frozeth, Ernst E. (See Blixt and Frozeth.)
Frozeth, Nils E. (See Blixt and Frozeth, assignors.)
Frueh, Alfred J., New York, N. Y. Figure toy. No. 1,277,401; Sept. 3; v. 254; p. 19.
Fruited Cereal Company, The. (See Pursell, James P., assignor.)
Fry, Alva L., and F. C. Nagel, Seward, Nebr. Pneumatic tire. No. 1,287,951; Dec. 17; v. 257; p. 502.
Fry, Louis P., Horse Shoe Bend, Idaho. Vehicle-standard. No. 1,260,179; Mar. 19; v. 248; p. 711.
Fry, Walter L., Detroit, Mich., assignor to Springfield Body Corporation of New York, New York, N. Y. Anti-rattler. No. 1,253,582; Jan. 15; v. 246; p. 686.
Fry, William G., Milwaukee, Wis., and V. A. Seuberth, Chicago, Ill. Pulley. No. 1,275,670; Aug. 13; v. 253; p. 397.
Frye, Daniel M., Jr., Philadelphia, Pa., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for leveling spring-heel shoes. No. 1,271,694; July 9; v. 252; p. 297.
Frye, Wyatt R. R., Washington, D. C. Photographic-printing apparatus. No. 1,275,239; Aug. 13; v. 253; p. 288.
Fryer, Alva A., Hagerstown, Md. Sand-feeding device. No. 1,264,383; Apr. 30; v. 249; p. 1061.
Fryer, Charles H., Providence, R. I. Wind-shield for automobiles and other passenger-vehicles. No. 1,274,869; Aug. 6; v. 253; p. 151.
Fryman, Harry, Great Grimsby, England. Signal for vehicles. No. 1,265,317; May 7; v. 250; p. 122.
Fryman, Harry, Great Grimsby, England. Signaling apparatus for road-vehicles. No. 1,281,551; Oct. 15; v. 255; p. 453.
Fuchs, Ernest, Jr., Camp Lee, Va. Piston connection. No. 1,284,300; Nov. 12; v. 256; p. 256.
Fuchs, Herman, St. Louis, Mo. Valve-cap. No. 1,271,695; July 9; v. 252; p. 297.
Fuchs, John J. (See Oehrle, Emanuel, assignor.)
Fucik, Edward J., assignor to Great Lakes Dredge and Dock Company, Chicago, Ill. Fender for docks. No. 1,270,810; July 2; v. 252; p. 16.
Fudge, John W., Dunkirk, Ind. Auxiliary air-intake. No. 1,272,414; July 16; v. 252; p. 525.
Fuel Economy Company. (See Couch, Charles A., assignor.)
Fuel Savings Company. (See Wood, Walter D., assignor.)
Fuerst, Alfred, New York, N. Y. Adjustable garment. No. 1,251,996; Jan. 1; v. 246; p. 163.
Fuerth, William G., assignor to Equilibrator Company, Newark, N. J. Stenciling. No. 1,289,725; Dec. 31; v. 257; p. 988.
Fues, Ernst, Hanau-on-the-Main, Germany. Absorbent-material-sizing composition. No. 1,276,206; Aug. 20; v. 253; p. 573.
Fugère, Albert, Montreal, Quebec, Canada. Moisture-absorber for tobacco-pipes. No. 1,280,703; Oct. 8; v. 255; p. 189.
Fuhr, Anita M., Azusa, Cal. Garment. No. 1,266,115; May 14; v. 250; p. 374.
Fuhrmann, Curt H., St. Louis, Mo. Kitchen-rack. No. 1,266,245; May 14; v. 250; p. 410.
Fuhrmann, Karl P., *et al.* (See Grabe, Clarence G., assignor.)
Fuji, Juseke, Fort Stanton, N. Mex. Parachute. No. 1,264,050; Apr. 23; v. 249; p. 935.
Fujiura, Moto, Los Angeles, Cal. Noiseless railway-crossing. No. 1,275,240; Aug. 13; v. 253; p. 278.
Fujiwara, Frank S., Vancouver, British Columbia, Canada. Writing-pen. No. 1,258,331; Mar. 5; v. 248; p. 111.
Fukuda, Hazime, Arminto, Wyo. Making rice breakfast food. No. 1,266,448; May 14; v. 250; p. 463.
Fulcher Pulp Bottle Company. (See Fulcher, William H., assignor.)
Fulcher, William H., assignor to Fulcher Pulp Bottle Company, Oakland, Cal. Process of and apparatus for making pulp bottle-bodies. No. 1,266,449; May 14; v. 250; p. 463.
Fulcher, William H., assignor to Fulcher Pulp Bottle Company, Oakland, Cal. Process of and apparatus for making paper hollow ware. No. 1,280,008; Sept. 24; v. 254; p. 810.
Fuld, Carrie A. (See Fuld, William, assignor)
Fuld, William, assignor to C. A. Fuld, Baltimore, Md. Wheeled toy. No. 1,265,645; May 7; v. 250; p. 210.
Fulda, Edward, New York, N. Y. Metallic pole, girder, &c. No. 1,259,844; Mar. 19; v. 248; p. 617.
Fulford, Charles F., and C. W. Carroll, Rochester, N. Y. Finder for photographic cameras. No. 1,278,132; Sept. 10; v. 254; p. 243.
Fulford, Harry, Cranston, R. I. Face-protector. No. 1,270,139; June 18; v. 251; p. 625.
Fulk, George L., Cleveland, Ohio, assignor to The Postal Supply & Manufacturing Company. Printing-machine. No. 1,282,211; Oct. 22; v. 255; p. 670.
Fulkerson, James C., assignor to D. A. Davis, Kansas City, Mo. Steering device for automobiles. No. 1,276,895; Aug. 27, v. 253; p. 802.
Fulkerson, Nina E. (See Van Vorst and Fulkerson.)
Fullard, William, Burlington, N. J. Device for smoking meats. No. 1,280,009; Sept. 24; v. 254; p. 810.
Fullenweider, Henry N., Waveland, Ind. Transmission-gearing for motor-vehicles. No. 1,252,338; Jan. 1; v. 246; p. 258.
Fuller, Allen A., Birmingham, Ala., assignor to Fuller Elevator Equipment Company. Automatic signaling mechanism for starting elevators. No. 1,253,807; Jan. 15; v. 246; p. 749.
Fuller, Benjamin F. (See Mess, George B., assignor.)
Fuller, Carl T., Nutley, N. J., assignor to General Electric Company. Treatment of tungsten filaments. No. 1,280,704; Oct. 8; v. 255; p. 190.
Fuller, Charles E., *et al.* (See Pearson, James H., assignor.)
Fuller, Claud E., Kansas City, Mo. Brick and making same. No. 1,261,114; Apr. 2; v. 249; p. 36.
Fuller Elevator Equipment Company. (See Fuller, Allen A., assignor.)
Fuller, Ella R., Monarch, Mont. Hat-fastener. No. 1,284,301; Nov. 12; v. 256; p. 257.
Fuller, Eugene, assignor to B. F. Tefft, Jr., Arctic, R. I. Shock-absorber. No. 1,267,537; May 28; v. 250; p. 824.
Fuller, Franz A., assignor to J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,254,220; Jan. 22; v. 246; p. 887.
Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,255,733; Feb. 5; v. 247; p. 180.
Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Cigar-cutter. No. 1,269,593; June 18; v. 251; p. 476.
Fuller, Franz A., Newark, N. J., assignor to J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,273,352; July 23; v. 252; p. 812.
Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Pad holder or case. No. 1,273,353; July 23; v. 252; p. 812.
Fuller, Frederick L., assignor to The National Cash Register Company, Dayton, Ohio. Transfer mechanism for accounting-machines. No. 1,253,367; Jan. 15; v. 246; p. 624.
Fuller, Henry M., and G. A. Sewell, Salt Lake City, Utah. Vehicle-signal. No. 1,287,281; Dec. 10; v. 257; p. 306.
Fuller, Ida M., New York, N. Y. Fire-illusion apparatus. No. 1,254,790; Jan. 29; v. 246; p. 1083.
Fuller, Irwin B., Miami, Fla. Reversible-blade propeller. No. 1,288,867; Dec. 24; v. 257; p. 751.
Fuller, John N., Philadelphia, Pa. Electric boiler. No. 1,270,140; June 18; v. 251; p. 625.
Fuller, Joseph C., assignor of one-half to C. V. Williamson, Perth Amboy, N. J. Vaporizer-nozzle. No. 1,265,768; May 14; v. 250; p. 276.
Fuller, Julius R., Kansas City, Mo. Dress-fastener. No. 1,270,141; June 18; v. 251; p. 625.
Fuller, Percy W., Boston, Mass. Reproduction of sound characteristics. No. 1,257,075; Feb. 19; v. 247; p. 650.
Fuller, Robert L., Reno, Nev. Mat. No. 1,256,783; Feb. 19; v. 247; p. 564.
Fuller-Stow Company. (See Hoyt, Fred S., assignor.)
Fuller, Truman S., Schenectady, N. Y., assignor to General Electric Company. Alloy. No. 1,273,762; July 23; v. 252; p. 920.
Fuller, William T., Suffolk, Va. Device for injecting steam and water into engine-cylinders. No. 1,286,578; Dec. 3; v. 257; p. 96.
Fuller, William W., Charleston, S. C. Car-wheel. No. 1,269,417; June 11; v. 251; p. 396.
Fullerton, Clarence A., New York, N. Y. Deal-plate. No. 1,251,997; Jan. 1; v. 246; p. 163.
Fullerton, Clarence A., New York, N. Y. Glass pass-basket. No. 1,264,051; Apr. 23; v. 249; p. 935.

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Fullerton, Clarence A., New York, N. Y. Window-jamb. No. 1,267,205; May 21; v. 250; p. 707.
Fullerton, Clarence A., New York, N. Y. Window construction. No. 1,267,206; May 21; v. 250; p. 707.
Fullerton, Clarence A., New York, N. Y. Metallic construction. No. 1,267,207; May 21; v. 250; p. 707.
Fullerton, Clarence A., New York, N. Y. Window-frame. No. 1,268,108; June 4; v. 251; p. 11.
Fullerton, Clarence A., New York, N. Y. Door construction. No. 1,277,566; Sept. 3; v. 254; p. 64.
Fullerton, Frederick W., St. Paul, Minn. Switch for newspaper-conveyers. No. 1,262,767; Apr. 16; v. 249; p. 560.
Fullman, James M. G., Pittsburgh, Pa. Floor-outlet box. No. 1,251,497; Jan. 1; v. 246; p. 13.
Fulson, Charles H., Memphis, Tenn., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Pressure-regulating device. No. 1,264,173; Apr. 30; v. 249; p. 1002.
Fulton, Charles H., St. Louis, Mo., assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Distilling process for recovering metals from ores and metal-bearing materials. No. 1,264,628; Apr. 30; v. 249; p. 1130.
Fulton, Charles H., St. Louis, Mo., assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Recovering mercury. No. 1,264,629; Apr. 30; v. 249; p. 1130.
Fulton, Charles H., St. Louis, Mo., assignor to Metallurgical Laboratories, Incorporated, Chicago, Ill. Process of electrical reduction. No. 1,267,347; May 21; v. 250; p. 744.
Fulton, Charles H., St. Louis, Mo., assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Apparatus and method for condensing zinc-vapor. No. 1,271,560; July 9; v. 252; p. 259.
Fulton, Charles H., Cleveland, Ohio, assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Roasting ore. No. 1,273,844; July 30; v. 252; p. 981.
Fulton Company, The. (See Fulton, Weston M., assignor.)
Fulton Company, The. (See Giesler, Jean V., assignor.)
Fulton, Dwight L., Marblehead, Mass. Window-frame protector. No. 1,281,552; Oct. 15; v. 255; p. 453.
Fulton, Frank, Collinsville, Ill. Toy steam-turbine engine. No. 1,282,212; Oct. 22; v. 255; p. 671.
Fulton, Frank, assignor of one-half to E. C. Bardsley, Collinsville, Ill. Screen attachment. No. 1,260,975; Mar. 26; v. 248; p. 973.
Fulton Iron Works Company. (See Hurter, Henry, assignor.)
Fulton, James F., Anderson, Ind. Tractor-plow. No. 1,251,498; Jan. 1; v. 246; p. 14.
Fulton, John S. S., Chicago, Ill., assignor to T. Bates, Toronto, Ontario, Canada. Stove-lid. No. 1,258,760; Mar. 12; v. 248; p. 274.
Fulton, John S. S., Chicago, Ill., assignor to United Stokers Corporation. Hopper for automatic stokers. No. 1,278,325; Sept. 10; v. 254; p. 295.
Fulton, John S. S., Chicago, Ill., assignor to United Stokers Corporation. Furnace-arch. No. 1,278,326; Sept. 10; v. 254; p. 295.
Fulton, John S. S., Chicago, Ill., assignor to United Stokers Corporation. Stoker. No. 1,285,671; Nov. 26; v. 256; p. 679.
Fulton, Samuel M., Pomona, Cal. Refrigerator. No. 1,272,937; July 16; v. 252; p. 675.
Fulton Tool Works, The. (See Wenzlick, John H., assignor.)
Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Radiator-casing. No. 1,256,220; Feb. 12; v. 247; p. 364.
Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Radiator-casing. No. 1,262,937; Apr. 16; v. 249; p. 607.
Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Making corrugated walls. No. 1,270,402; June 25; v. 251; p. 722.
Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Valve. No. 1,289,434; Dec. 31; v. 257; p. 918.
Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Heat-motor. No. 1,289,435; Dec. 31; v. 257; p. 918.
Fulton, William B., Middletown, Ohio. Guard for screws and rods. No. 1,266,246; May 14; v. 250; p. 410.
Fulton, William B., Middletown, Ohio. Concrete-heater. No. 1,278,327; Sept. 10; v. 254; p. 296.
Fulton, William B., Middletown, Ohio. Vapor-circulating system. No. 1,286,988; Dec. 10; v. 257; p. 232.
Funck, John G., New Orleans, La. Plastic composition. No. 1,268,000; May 28; v. 250; p. 955.
Funderburk, Otis C., assignor to Detroit Lubricator Company, Detroit, Mich. Carbureter. No. 1,273,845; July 30; v. 252; p. 981.
Funk, Charles M., Sedalia, Mo., assignor of one-half to G. F. Myers, Hillsdale, Mich. Pedal-crank. No. 1,278,904; Sept. 17; v. 254; p. 481.
Funk, James M., Ottawa, Ill. Aeroplane. No. 1,252,339; Jan. 1; v. 246; p. 258.
Funk, Samuel W., Charter Oak, Cal. Safety irrigating-valve and pressure-gate. No. 1,285,110; Nov. 19; v. 256; p. 499.
Funk, Truman B., assignor to Moline Plow Company, Moline, Ill. Frame for tractors. No. 1,280,436; Oct. 1; v. 255; p. 90.
Funk, Truman B., assignor to Moline Plow Company, Moline, Ill. Draft appliance for tractors. No. 1,289,724 Dec. 31; v. 257; p. 987.
Funke, Edward H., Jr., Blue Hill, Nebr. Display-rack. No. 1,256,465; Feb. 12; v. 247; p. 435.
Funkhouser, Luther G. (See Krusemark, Funkhouser, and Carpenter.)
Furan, Lars L., Thief River Falls, Minn. Razor-blade-stropping device. No. 1,253,226; Jan. 15; v. 246; p. 581.
Furbeck, George W. (See Klassen, Harry H., assignor.)
Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Knife and wax heater. No. 1,264,174; Apr. 30; v. 249; p. 1003.
Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Mechanical movement. No. 1,268,832; June 11; v. 251; p. 234.
Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Device for applying fluids to shoes. No. 1,274,407; Aug. 6; v. 253; p. 18.
Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Burnishing-machine. No. 1,284,302; Nov. 12; v. 256; p. 257.
Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Burnishing-machine. No. 1,284,303; Nov. 12; v. 256; p. 257.
Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Applying blacking to boots or shoes. No. 1,285,111; Nov. 19; v. 256; p. 499.
Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Leather-repairing machine. No. 1,285,672; Nov. 26; v. 256; p. 680.
Furbush, Frank L., and O. H. Cilley, Westford, assignors to C. G. Sargent's Sons Corporation, Graniteville, Westford, Mass. Feeding mechanism for fibrous material. No. 1,272,654; July 16; v. 252; p. 595.
Furduy, Nicholas, Philadelphia, Pa. Connecting device. No. 1,265,646; May 7; v. 250; p. 210.
Furlong, James J., Tacoma, Wash. Eye-shield. No. 1,274,257; July 30; v. 252; p. 1098.
Furlow, Floyd C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Elevator-controlling system. No. 1,268,109; June 4; v. 251; p. 11.
Furlow, Floyd C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Hydraulic elevator. No. 1,268,110; June 4; v. 251; p. 12.
Furlow, Floyd C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. System of control for electric elevators. No. 1,268,111; June 4; v. 251; p. 12.
Furman, Charles M., Jr., Great Falls, S. C. Measuring means for concrete and other mixers. No. 1,267,208; May 21; v. 250; p. 707.
Furman, George B., East Orange, N. J. Sectional distillation apparatus. No. 1,265,318; May 7; v. 250; p. 122.
Furman, George B., East Orange, N. J. Spraying device. No. 1,268,232; June 4; v. 251; p. 46.
Furman, George B., East Orange, N. J. Water-distilling apparatus. No. 1,268,233; June 4; v. 251; p. 46.
Furman, George B., East Orange, N. J., assignor to L. O. Koven & Brother, New York, N. Y. Liquid-level indicator. No. 1,257,693; Feb. 26; v. 247; p. 866.
Furnace Patent Company. (See Wedge, Utley, assignor.)
Furnald, Stanley M. (See Newton and Furnald.)
Furness, Albert W., Chesterton, Ind. Current-deflector for marine vessels. No. 1,258,554; Mar. 5; v. 248; p. 177.
Furness, George C., New York, assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Making ferro-silicon. No. 1,284,645; Nov. 12; v. 256; p. 341.
Furness, William H., National Park, and C. E. Vanderkleed, Collingswood, N. J. Wave-motor. No. 1,259,845; Mar. 19; v. 248; p. 617.
Furness, William H., National Park, F. Heidlberg, Jersey City, and C. E. Vanderkleed, Collingswood, N. J. Operating internal-combustion engines. No. 1,287,282; Dec. 10; v. 257; p. 306.
Furrer, Rudolf A., Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Combustion-engine locomotive. No. 1,254,034; Jan. 22; v. 246; p. 834.
Furry, William C., Shawnee, Okla., assignor, by mesne assignments, to American Concrete Forms Company, Bloomington, Ill. Centering-frame for arch constructions. (Reissue.) No. 14,444; Mar. 12; v. 248; p. 477.
Furst, Ernest, New York, N. Y. Fire-extinguisher. No. 1,281,151; Oct. 8; v. 255; p. 312.

Furst, John K., assignor to Pennsylvania Engineering Works, New Castle, Pa. Hot-metal mixer. No. 1,254,035; Jan. 22; v. 246; p. 834.
Furstonburg, Henry B., Shreveport, La. Locomotive driving-box and controlling connection therefor. No. 1,270,403; June 25; v. 251; p. 722.
Furthmiller, John J., Elkton, S. D. Curtain-hanger. No. 1,253,368; Jan. 15; v. 246; p. 624.
Fusco, Anthony, Saratoga Springs, N. Y. Cuff-link. No. 1,261,732; Apr. 2; v. 249; p. 208.
Fusselman, Jerry, Akron, Ohio. Gate. No. 1,276,207; Aug. 20; v. 253; p. 579.
Fütterer, Gustav, Chicago, Ill. Preserving eggs. No. 1,286,989; Dec. 10; v. 257; p. 232.
Fykse, Mitchel L. (See Ferris, Bager, and Fykse.)
Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,254,221; Jan. 22; v. 246; p. 888.
Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Electromagnetic transmission apparatus. No. 1,284,304; Nov. 12; v. 256; p. 257.
G. Reis & Bro. (See Reis, Julius M. and B., assignors.)
G. E. M. Engineering Company. (See Mottlau, August J., assignor.)
G & J Tire Company. (See Ellis, John, assignor.)
G. & J. Weir. (See Lang, Charles R., assignor.)
G. & J. Weir. (See Petermöller, Joseph, assignor.)
G. M. Parks Company, The. (See Thompson, Albert W., assignor.)
G. M. Parks Company, The. (See Thompson and Comfort, assignors.)
G. W. J. Murphy Co. (See Bourque, David, assignor.)
Gabel, Thomas Ring, and H. H. Holdaway, assignors of one-third to H. P. Jones, Los Angeles, Cal. Cotton-picking machine. No. 1,277,901; Sept. 3; v. 254; p. 157.
Gable, Peter. (See La Montagne and Gable.)
Gabosh, John. (See Koleszar and Gabosh.)
Gabriel, Charles R., Brooklyn, N. Y. Producing flat surfaces on the edges of stampings and drawn shells. No. 1,265,901; May 14; v. 250; p. 313.
Gabriel, Earl S., Indianapolis, Ind. Candy-cutting machine. No. 1,288,868; Dec. 24; v. 257; p. 752.
Gabriel, Joseph A., Lakewood, Ohio. Bale-tie. No. 1,263,547; Apr. 23; v. 249; p. 799.
Gabriel, Joseph S., Rice Lake, Wis. Stanchion. No. 1,256,009; Feb. 12; v. 247; p. 300.
Gabriel, Mary, Waterbury, Conn. Baking and roasting apparatus. No. 1,261,507; Apr. 2; v. 249; p. 146.
Gabrielsen, Gustav. (See Polley and Gabrielsen.)
Gabrielson, John B., and G. E. Swenson, Springville, N. Y. Spring-tire. No. 1,268,957; June 11; v. 251; p. 268.
Gade, Harald F., assignor to Standard Pressed Steel Co., Philadelphia, Pa. Shaft-hanger. No. 1,283,406; Oct. 29; v. 255; p. 1023.
Gade, William H., Iowa Falls, Iowa. Control mechanism for excavating-machines. No. 1,265,443; May 7; v. 250; p. 157.
Gadecki, Frank, Mystic, Iowa. Gun. No. 1,269,922; June 18; v. 251; p. 567.
Gadke, William, Philadelphia, Pa. Timer. No. 1,257,694; Feb. 26; v. 247; p. 867.
Gadke, William, Philadelphia, Pa. Cleat. No. 1,257,695; Feb. 26; v. 247; p. 867.
Gadke, William, Philadelphia, Pa. Electrical coupling. No. 1,276,340; Aug. 20; v. 253; p. 614.
Gadsden, Jabez, Melbourne, Victoria, Australia. Waterproofing and rendering impervious to dust, bags, sacks, and the like. No. 1,258,104; Mar. 5; v. 248; p. 46.
Gaeng, Simon J. (See Anderson, John P., assignor.)
Gaertner, Ralph A. (See Slaughter and Gaertner.)
Gaffers, Harman B., Watervliet, N. Y. Ladder. No. 1,253,481; Jan. 15; v. 246; p. 657.
Gage, Charles M., Jr., East Pepperell, Mass. Coating paper. No. 1,282,564; Oct. 22; v. 255; p. 767.
Gage, Henry P., and E. Pascucci, assignors to Corning Glass Works, Corning, N. Y. Refracting cover-glass for automobile-headlights. (Reissue.) No. 14,521; Sept. 17; v. 254; p. 638.
Gage, Lorenzo R., Sr., Hoquiam, Wash. Gold-dredge. No. 1,270,142; June 18; v. 251; p. 625.
Gage, Luther C., Cooperstown, N. Y. Hat-cord holder. No. 1,283,720; Nov. 5; v. 256; p. 74.
Gage, Roy N., assignor to J. F. Walton, Sturgis, Mich. Adjustable chair. No. 1,271,561; July 9; v. 252; p. 260.
Gagnon, Alexandre, Biddeford, Me. Safety device for elevators. No. 1,257,336; Feb. 26; v. 247; p. 761.
Gagnon, Dary N. (See Gagnon, Nestor E., assignor.)
Gagnon, Eli J., Exeter, N. H. Edge-setting machine. No. 1,277,402; Sept. 3; v. 254; p. 19.
Gagnon, Henry J., Cohoes, N. Y. Multiple blow-out fuse. No. 1,281,553; Oct. 15; v. 255; p. 453.
Gagnon, Leo O., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,265,647; May 7; v. 250; p. 210.
Gagnon, Nestor E., assignor of one-half to D. N. Gagnon, Lawrence, Mass. Game. No. 1,262,768; Apr. 16; v. 249; p. 560.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Chain-end coupling. No. 1,259,388; Mar. 12; v. 248; p. 454.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Bead-chain. No. 1,270,143; June 18; v. 251; p. 626.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Jump-ring coupling. No. 1,270,720; June 25; v. 251; p. 807.
Gahan, William H. (See Meekins, Jeremiah M., assignor.)
Gahl, Rudolf, Miami, Ariz. Recovering metals from solution. No. 1,269,418; June 11; v. 251; p. 396.
Gahring, Frederic A., Minneapolis, Minn., assignor to Peerless Chain Company, Winona, Minn. Tire-chain. No. 1,282,804; Oct. 29; v. 255; p. 861.
Gail, Charles H., Dayton, Ohio. Spring structure. No. 1,263,548; Apr. 23; v. 249; p. 799.
Gail, Charles H., Cincinnati, Ohio. Spring structure. No. 1,276,896; Aug. 27; v. 253; p. 802.
Gail, John F., assignor to Simmons Manufacturing Company, Kenosha, Wis. Separable metal joint. No. 1,255,873; Feb. 12; v. 247; p. 260.
Gail, John F., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Automatic polishing and lacquering machine. No. 1,271,027; July 2; v. 252; p. 78.
Gaillard, Ella N., New York, N. Y. Pot-scraper. No. 1,258,208; Mar. 5; v. 248; p. 75.
Gainer & Koehler. (See Paul, Raymond, assignor.)
Gaines, Erasmus D., Clinton, Iowa. Stylographic lettering instrument. No. 1,271,457; July 2; v. 252; p. 196.
Gaines, F. F. (See Gross, Edward G., assignor.)
Gaines, John D., Carneys Point, N. J. Lunch-box fastener. No. 1,285,112; Nov. 19; v. 256; p. 499.
Gair, Blair W., Chicago, Ill. Door closing and checking mechanism. No. 1,253,369; Jan. 15; v. 246; p. 624.
Gaire, Paul E., Paterson, N. J. Grinding-machine. No. 1,260,361; Mar. 26; v. 248; p. 798.
Gairing, Emil, assignor to Eclipse Interchangeable Counterbore Co., Detroit, Mich. Hollow milling-tool. No. 1,255,304; Feb. 5; v. 247; p. 54.
Gaisman, Henry J., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Marking photographic material. No. 1,256,784; Feb. 19; v. 247; p. 565.
Gaisman, Henry J., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Method of and apparatus for producing designations upon photographic material. No. 1,272,415; July 16; v. 252; p. 526.
Gaisser, Alice R. (See Gaisser, Louis E., assignor.)
Gaisser, Louis E., Louisville, Ky. Mill. No. 1,266,247; May 14; v. 250; p. 410.
Gaisser, Louis E., assignor to A. R. Gaisser, Louisville, Ky. Wrench. No. 1,253,227; Jan. 15; v. 246; p. 581.
Gaisser, Louis E., assignor to A. R. Gaisser, Louisville, Ky. Corn-sheller. No. 1,266,248; May 14; v. 250; p. 410.
Gajan, Joseph, New York, N. Y. Non-skid device for automobile-trucks. No. 1,272,938; July 16; v. 252; p. 675.
Galadakes, John, Lewiston, Me. Drawing device. No. 1,272,792; July 16; v. 252; p. 633.
Galbraith, Raymond, Smithshire, Ill. Two-row corn-harvester. No. 1,283,721; Nov. 5; v. 256; p. 74.
Galdi, Alfred C. and A., Somerville, Mass. Hat-fastening. No. 1,255,524; Feb. 5; v. 247; p. 118.
Galdi, Armand. (See Galdi, Alfred C. and A.)
Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Wire measuring and cutting machine. No. 1,288,402; Dec. 17; v. 257; p. 611.
Gale, Francis G., Waterville, Quebec, Canada. Bed-bottom. No. 1,284,087; Nov. 5; v. 256; p. 171.
Gale, Francis G., and R. O. Hopkinson, Waterville, Quebec, Canada; said Hopkinson assignor to said Gale. Bed-bottom fabric. No. 1,283,722; Nov. 5; v. 256; p. 74.
Gale, Henry P., Oneida, N. Y. Shaft-hanger box. No. 1,261,918; Apr. 9; v. 249; p. 293.
Gale, Thomas G., Saginaw, Mich. Resilient wheel. No. 1,260,362; Mar. 26; v. 248; p. 799.
Gale, William H., Providence, R. I. Stamp-affixing machine. No. 1,285,113; Nov. 19; v. 256; p. 499.
Galik, Stive, Ithaca, N. Y. Automatic gravity-headlight. No. 1,285,673; Nov. 26; v. 256; p. 680.
Galipeau, John, assignor of one-half to J. H. Garth, Montreal, Quebec, Canada. Paper-making machine. No. 1,266,673; May 21; v. 250; p. 558.
Galitzka, George I., New York, N. Y. Telephone apparatus. No. 1,256,123; Feb. 12; v. 247; p. 334.
Gall, Friedrich, Kiel, Germany. Hand member for divers' armor. No. 1,259,507; Mar. 19; v. 248; p. 520.
Gallagher, Condy C., Philadelphia, Pa. Prophylactic device. No. 1,260,180; Mar. 19; v. 248; p. 711.
Gallagher, Emma G., *et al.* (See Schadee, Gustav, assignor.)
Gallagher, Farrel T., Herbert's Creek, Queensland, Australia. Automatic quick-acting air-brake. No. 1,276,640; Aug. 20; v. 253; p. 698.
Gallagher, John B., Butte, Mont. Check-valve for locomotive-boilers. No. 1,257,076; Feb. 19; v. 247; p. 651.

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Gallagher, Joseph M., Radville, Saskatchewan, Canada. Window attachment. No. 1,276,641; Aug. 20; v. 253; p. 698.
Gallagher, Peter F., Baltimore, Md., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt connection. No. 1,272,416; July 16; v. 252; p. 526.
Gallagher, Stephen H., Utica, N. Y. Sharpener for knives, scissors, and the like. No. 1,254,671; Jan. 29; v. 246; p. 1045.
Gallatin, Goelet. New York, N. Y. Device for cutting dovetails and the like. No. 1,280,203; Oct. 1; v. 255; p. 25.
Gallaudet Aircraft Corporation. (See Gallaudet, Edson F., assignor.)
Gallaudet, Edson F., Norwich, Conn., assignor to Gallaudet Aircraft Corporation, New York, N. Y. Aeroplane. No. 1,262,660; Apr. 16; v. 249; p. 528.
Gallaway, Merrill W., New York, N. Y. Cigarette holder and deliverer. No. 1,281,152; Oct. 8; v. 255; p. 312.
Gallaway, William J., San Diego, Cal. Wave-motor. No. 1,256,106; Feb. 12; v. 247; p. 329.
Galle, Vincent P., Freemansburg, Pa. Flying-machine. No. 1,257,212; Feb. 19; v. 247; p. 690.
Galleazzi, Joseph, San Francisco, Cal. Barrel-filling machine. No. 1,276,341; Aug. 20; v. 253; p. 614.
Galleazzi, Joseph, San Francisco, Cal. Barrel-filling machine. No. 1,278,631; Sept. 10; v. 254; p. 376.
Gallet, Henri, assignor to Etablissements De Dion Bouton Société Anonyme, Puteaux, France. Roller-bearing. No. 1,257,597; Feb. 26; v. 247; p. 839.
Galley, Garnet T. (See Fasey, Galley, and Tufnell.)
Galli, Serafino, Breezy Hill, Kans. Car-lock for mine-elevators. No. 1,268,001; May 28; v. 250; p. 955.
Galligan, Edward H., Seekonk, Mass. Surgical instrument. No. 1,253,955; Jan. 15; v. 246; p. 791.
Gallimore, James J., Detroit, Mich. Tool for boring polygonal holes. No. 1,270,144; June 18; v. 251; p. 626.
Galloupe, John H., Denver, Colo. Apparatus for the treatment of oil-bearing shale, bitumens, hydrocarbons, and other elements of a volatile nature. No. 1,283,723; Nov. 5; v. 256; p. 74.
Galloway, Edwin F., Newark, N. J. Bandage-winding device. No. 1,261,225; Apr. 2; v. 249; p. 65.
Galloway, Wilson H., Merrillan, Wis. Cow-tail holder. No. 1,285,674; Nov. 26; v. 256; p. 680.
Gallup, Rockwell L., and W. G. Wachs, Chicago, Ill., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing machine. No. 1,273,602; July 23; v. 252; p. 878.
Gallup, Rockwell L., and W. G. Wachs, Chicago, Ill., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing machine. No. 1,273,603; July 23; v. 252; p. 879.
Gallup, Rockwell L., and W. G. Wachs, Chicago, Ill., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing machine. No. 1,273,604; July 23; v. 252; p. 879.
Gallup, Rockwell L., and W. G. Wachs, Chicago, Ill., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing machine. No. 1,276,897; Aug. 27; v. 253; p. 802.
Gallup, Rockwell L., and W. G. Wachs, Chicago, Ill., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing machine. No. 1,276,898; Aug. 27; v. 253; p. 803.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player exhaust-muffler. No. 1,252,373; Jan. 1; v. 246; p. 268.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Electric-motor-suspension means. No. 1,256,010; Feb. 12; v. 247; p. 300.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Valve of counterbalanced type. No. 1,256,466; Feb. 12; v. 247; p. 436.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player-action pianissimo device. No. 1,256,467; Feb. 12; v. 247; p. 436.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Air-control governor. No. 1,256,468; Feb. 12; v. 247; p. 437.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument expression-controller. No. 1,257,696; Feb. 26; v. 247; p. 867.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-sheet with expression-perforations. No. 1,257,697; Feb. 26; v. 247; p. 868.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Air pumper or motor circulation-check. No. 1,258,105; Mar. 5; v. 248; p. 46.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player foot and power interchange. No. 1,258,555; Mar. 5; v. 248; p. 177.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-sheet with varied perforations. No. 1,258,667; Mar. 12; v. 248; p. 249.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player action. No. 1,259,010; Mar. 12; v. 248; p. 348.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player-tube coupling. No. 1,259,846; Mar. 19; v. 248; p. 617.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Pitman. No. 1,261,115; Apr. 2; v. 249; p. 36.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-roll gearing. No. 1,262,610; Apr. 9; v. 249; p. 486.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Pneumatic-diaphragm follower. No. 1,263,354; Apr. 16; v. 249; p. 722.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player winding and electric shifter. No. 1,263,878; Apr. 23; v. 249; p. 888.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player-pneumatic counterweight. No. 1,264,631; Apr. 30; v. 249; p. 1131.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Web-guiding device. No. 1,264,632; Apr. 30; v. 249; p. 1131.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument reservoir-check. No. 1,265,190; May 7; v. 250; p. 88.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Pneumatic-diaphragm follower. No. 1,265,319; May 7; v. 250; p. 122.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-sheet-regulator throw-out. No. 1,269,071; June 11; v. 251; p. 301.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument valve. No. 1,269,529; June 11; v. 251; p. 425.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Pumper-spring. No. 1,271,458; July 2; v. 252; p. 196.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Air-pumper check. No. 1,271,562; July 9; v. 252; p. 260.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-sheet-travel-control perforation. No. 1,271,886; July 9; v. 252; p. 349.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Pitman and spreader. No. 1,272,249; July 9; v. 252; p. 453.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player valve-action. No. 1,273,846; July 30; v. 252; p. 982.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Valve with double throw. No. 1,274,031; July 30; v. 252; p. 1034.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-player sticker-action. No. 1,275,181; Aug. 6; v. 253; p. 237.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-roll gearing. No. 1,276,342; Aug. 20; v. 253; p. 615.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument bellows. No. 1,284,886; Nov. 12; v. 256; p. 404.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Electric switch. No. 1,285,675; Nov. 26; v. 256; p. 680.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Pneumatic action. No. 1,285,975; Nov. 26; v. 256; p. 756.
Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Electric switch. No. 1,287,283; Dec. 10; v. 257; p. 307.
Galowitz, Joseph, New York, N. Y. Making special patterns for garments. No. 1,255,734; Feb. 5; v. 247; p. 180.
Galt, Hugh A., Akron, assignor to Columbia Chemical Company, Barberton, Ohio. Manufacturing magnesium salts. No. 1,262,938; Apr. 16; v. 249; p. 608.
Galt, Hugh A., Akron, assignor to Columbia Chemical Company, Barberton, Ohio. Making magnesium chlorid. No. 1,262,939; Apr. 16; v. 249; p. 608.
Galt, William J., Jr., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Garment-fastener. No. 1,265,769; May 14; v. 250; p. 276.
Galusha, Don L., Winchester, Mass. Fuel-supply system. No. 1,256,785; Feb. 19; v. 247; p. 565.
Galvin, John A., Spalding, Nebr. Wheel. No. 1,270,252; June 18; v. 251; p. 654.
Galvin, John A., Spalding, Nebr. Tractor-wheel. No. 1,276,515; Aug. 20; v. 253; p. 663.
Galvin, Robert E., and H. C. Schumacher, Rock Island, Ill. Corn-planter. No. 1,257,839; Feb. 26; v. 247; p. 910.
Galvin, Robert E., and H. C. Schumacher, Rock Island, Ill. Machine-frame. No. 1,262,321; Apr. 9; v. 249; p. 403.
Gamache, Cleophas, assignor of one-half to J. Ladrie, Barre, Vt. Window-heater. No. 1,285,114; Nov. 19; v. 256; p. 500.
Gamage, Harry C., New York, N. Y., assignor to W. H. Simpson, East Orange, N. J. Saw. No. 1,252,424; Jan. 8; v. 246; p. 318.
Gambino, Thomas A., Boston, Mass., assignor to United Lace & Braid Manufacturing Company. Rubber lift for boots and shoes. No. 1,266,578; May 21; v. 250; p. 529.
Gamble, Charles B., Minneapolis, Minn. Mechanism for recording the load, mileage, and speed of vehicles. No. 1,261,508; Apr. 2; v. 249; p. 146.

Gamble, Ellsworth, Waverly, N. Y. Ether-mask. No. 1,281,937; Oct. 15; v. 255; p. 556.
Gamble, James H., F. E. Porter, and G. H. Desrochers, assignors to American Mason Safety Tread Company, Lowell, Mass. Tread for stairs and other purposes. No. 1,263,755; Apr. 23; v. 249; p. 853.
Gamble, Joseph W., Carpentersville, Ill. Balance-plate or oscillating member. No. 1,268,808; June 4; v. 251; p. 210.
Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Flow-measuring apparatus. No. 1,274,703; Aug. 6; v. 253; p. 104.
Gamewell Fire Alarm Telegraph Co. (See Cole, Frederick W., assignor.)
Gamewell Fire Alarm Telegraph Company, The. (See Beach, Clarence E., assignor.)
Gamewell Fire Alarm Telegraph Company, The. (See King, George E., assignor.)
Gamewell Fire-Alarm Telegraph Company, The. (See Suren, Nathan H., assignor.)
Gamlen, Harry, Chemainus, British Columbia, Canada. Water-wheel. No. 1,279,320; Sept. 17; v. 254; p. 592.
Gammel, Karl, assignor to The Cleveland Macaroni Company, Cleveland, Ohio. Drying edible pastes. No. 1,284,305; Nov. 12; v. 256; p. 258.
Gammeter, John R. (See Martin, Christian H., assignor.)
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Endless belt and making the same. No. 1,256,011; Feb. 12; v. 247; p. 300.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Machine for trimming circular rubber articles. No. 1,261,017; Apr. 2; v. 249; p. 7.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Wire-cable ring and making the same. No. 1,267,396; May 28; v. 250; p. 785.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-shoe press. No. 1,271,307; July 2; v. 252; p. 156.
Gammeter, John R., Akron, Ohio, assignor to the B. F. Goodrich Company, New York, N. Y. Pipe-coupling. No. 1,275,149; Aug. 6; v. 253; p. 228.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Endless belt and method of making the same. No. 1,277,711; Sept. 3; v. 254; p. 105.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Valve. No. 1,278,133; Sept. 10; v. 254; p. 243.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Balloon-window. No. 1,281,554; Oct. 15; v. 255; p. 454.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic shoe-press. No. 1,283,144; Oct. 29; v. 255; p. 953.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adjustable cutting-die. No. 1,283,724; Nov. 5; v. 256; p. 75.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and machine for sewing rubber. No. 1,284,646; Nov. 12; v. 256; p. 342.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Machine for making tires. No. 1,285,976; Nov. 26; v. 256; p. 756.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ballonnet-inflater. No. 1,286,579; Dec. 3; v. 257; p. 97.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Guide-fin structure for balloons. No. 1,287,284; Dec. 10; v. 257; p. 307.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stuffing-box for balloon-cords. No. 1,287,285; Dec. 10; v. 257; p. 307.
Gammon, Benjamin W., Brooklyn, N. Y. Goggles. No. 1,272,939; July 16; v. 252; p. 675.
Gampert, Henry, Fitchburg, Mass. Ice-fishing device. No. 1,275,014; Aug. 6; v. 253; p. 190.
Gampp, David J., Kane, Pa. Awning-blind. No. 1,251,499; Jan. 1; v. 246; p. 14.
Gandee, James, assignor to H. B. Keiper, Lancaster, Pa. Piston-ring placer. No. 1,262,036; Apr. 9; v. 249; p. 324.
Gander, James S., Stratford, London, England. Apparatus for separating fluids of different specific gravities. No. 1,266,008; May 14; v. 250; p. 343.
Gane, George. (See Thompson, George D., assignor.)
Gangewere, Merritt P., Easton, Pa. Dish-washing machine. No. 1,279,683; Sept. 24; v. 254; p. 717.
Gangwisch, Albert, Stockton, Cal. Protractor. No. 1,277,403; Sept. 3; v. 254; p. 20.
Ganiard, Henry E. (See Saile and Ganiard.)
Gannaway, Alonzo M., McCoy, Ky. Conveyer. No. 1,252,425; Jan. 8; v. 246; p. 318.
Gannaway, Charles L., Chattanooga, Tenn. Valve and valve-spring remover. No. 1,266,788; May 21; v. 250; p. 590.
Gannon, Joseph, Walton, assignor to Steinfeld Bros., New York, N. Y. Baby-walker. No. 1,256,548; Feb. 19; v. 247; p. 496.
Gannon, Joseph, Walton, assignor to Steinfeld Bros., New York, N. Y. Cot. No. 1,287,286; Dec. 10; v. 257; p. 307.
Ganzel, Charles D., Cleveland, Ohio. Bed-table. No. 1,273,354; July 23; v. 252; p. 812.
Ganzhorn, Philip, Chicago, Ill. Moistening attachment for razors. No. 1,288,869; Dec. 24; v. 257; p. 752.
Ganzinotti, Paul B., North Bergen, N. J., assignor to Joseph H. Meyer Bros., New York, N. Y. Imitation pearl. No. 1,254,791; Jan. 29; v. 246; p. 1083.
Gapko, John, Avella, Pa. Milk-pasteurizer. No. 1,271,153; July 2; v. 252; p. 112.
Gapp, John, Scranton, Pa. Combined pipe-flanging and bench vise. No. 1,257,475; Feb. 26; v. 247; p. 801.
Gara-Maghdesian, Krikor S., Newburyport, Mass. Shoe and making shoes. No. 1,261,802; Apr. 9; v. 249; p. 263.
Garaca, Frank, Bessemer, Ala. Spark-plug. No. 1,266,009; May 14; v. 250; p. 343.
Garand, Joseph H., Detroit, Mich. Automatic vise. No. 1,286,580; Dec. 3; v. 257; p. 97.
Garant, Philias, Woburn, Quebec, Canada. Shoe-rack. No. 1,270,811; July 2; v. 252; p. 16.
Garber, Wilfred D., Weldon, Iowa. Self-cleaning curry-comb. No. 1,280,204; Oct. 1; v. 255; p. 25.
Garbow, George E., Pierson, Mich. Potato-seed-cutting machine. No. 1,267,397; May 28; v. 250; p. 785.
Garbus, Ludwik, Detroit, Mich. Sewing-machine needle. No. 1,287,287; Dec. 10; v. 257; p. 307.
Garcelon, George H., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Pulley. No. 1,266,579; May 21; v. 250; p. 529.
García y García, Angel M., Habana, Cuba. Apparatus for diluting liquids. No. 1,254,792; Jan. 29; v. 246; p. 1084.
Garden City Plating & Manufacturing Company. (See Kurtzon, George B., assignor.)
Gardiner, James I., assignor of one-half to F. G. Guest, Seattle, Wash. Vaporizer. No. 1,273,106; July 16; v. 252; p. 719.
Gardiner, Raynor M., *et al.*, executor. (See Davis, William M., assignor.)
Gardiner, Robert F., Clarendon, Va. Making a mixed phosphatic and nitrogenous fertilizer. No. 1,258,106; Mar. 5; v. 248; p. 47.
Gardiner, Robert F., Clarendon, Va. Making a mixed potash, nitrogenous, and phosphatic fertilizer. No. 1,261,116; Apr. 2; v. 249; p. 36.
Gardiner, Robert F., Clarendon, Va. Producing a mixed potash and nitrogen fertilizer. No. 1,261,117; Apr. 2; v. 249; p. 36.
Gardiner, Robert F., Clarendon, Va. Production of an available phosphoric anhydrid and potash fertilizer. No. 1,282,805; Oct. 29; v. 255; p. 861.
Gardiner, William, assignor of one-third to J. P. O'Shaughnessy and one-third to M. O'Shaughnessy, Chicago, Ill. Battery construction. No. 1,262,581; Apr. 9; v. 249; p. 478.
Gardner, Albert R., and P. Washburn, Seattle, Wash. Rotary internal-combustion engine. No. 1,255,403; Feb. 5; v. 247; p. 83.
Gardner, Benjamin F., assignor of one-half to S. Stedman, Chicago, Ill. Electrically-heated soldering-iron. No. 1,279,321; Sept. 17; v. 254; p. 593.
Gardner, Benjamin F., assignor of one-half to S. Stedman, Chicago, Ill. Current-controller. No. 1,287,952; Dec. 17; v. 257; p. 503.
Gardner, Bruce B., Doland, S. D. Invalid lifter and conveyer. No. 1,264,915; May 7; v. 250; p. 12.
Gardner, Carl E., Cambridge, Mass. Tympanum. No. 1,282,406; Oct. 22; v. 255; p. 724.
Gardner, Charles, San Diego, Cal. Railway-crossing attachment. No. 1,263,549; Apr. 23; v. 249; p. 799.
Gardner, Charles J., Huntington Beach, Cal. Harvester. No. 1,260,659; Mar. 26; v. 248; p. 887.
Gardner, David S. (See Granger, Edward J., assignor.)
Gardner, David S. (See Taylor, Oscar M., assignor.)
Gardner, David S. (See Hawkins, Karl G. R., assignor.)
Gardner, Florinda, Salt Lake City, Utah. Piano-stool music-cabinet. No. 1,275,671; Aug. 13; v. 253; p. 397.
Gardner, Fulton, Chicago, Ill., assignor of one-half to W. E. Gardner, Pittsburgh, Pa., and one-fourth to S. Stedman, Chicago, Ill. Apparatus for signaling. No. 1,280,705; Oct. 8; v. 255; p. 190.
Gardner, George S., Columbus, assignor to J. R. Fletcher, Dayton, Ohio. Cable-clamp. No. 1,266,933; May 21; v. 250; p. 629.
Gardner, George W., assignor of one-half to J. R. Umberger, Lebanon, Pa. Electrode-holder. No. 1,284,306; Nov. 12; v. 256; p. 258.
Gardner, Guy O. (See Tainter, Simon S., assignor.)
Gardner, Harry H., Johnstown, Pa. Wrench. No. 1,257,077; Feb. 19; v. 247; p. 651.
Gardner, Henry A. (See Barton and Gardner.)
Gardner, Herbert S. (See Weakley, Raymond D., assignor.)
Gardner, Herbert S., trustee. (See Weakley, Raymond D., assignor.)

Gardner, Howard S., East Orange, N. J. Hoisting apparatus. No. 1,275,241; Aug. 13; v. 253; p. 279.
Gardner, J. W. (See McManus, Frank, assignor.)
Gardner, James P., Chicago, Ill. Therapeutic apparatus. No. 1,287,953; Dec. 17; v. 257; p. 503.
Gardner, James P., assignor to The Reducing Machine Company, Chicago, Ill. Massage-machine. No. 1,265,074; May 7; v. 250; p. 57.
Gardner, John P., San Francisco, Cal. Pitman. No. 1,262,479; Apr. 9; v. 249; p. 448.
Gardner, Joseph W. (See McManus, Frank, assignor.)
Gardner, Levi S., Cedar Grove, La. Carbureter. No. 1,274,408; Aug. 6; v. 253; p. 19.
Gardner, Levi S., Detroit, Mich. Aluminum alloy and making same. No. 1,280,706; Oct. 8; v. 255; p. 190.
Gardner, Levi S., Detroit, Mich. Thermostatically-controlled carbureter. No. 1,285,115; Nov. 19; v. 256; p. 500.
Gardner, Marshall B., assignor to International Corset Company, Aurora, Ill. Corset-clasp. No. 1,278,134; Sept. 10; v. 254; p. 244.
Gardner, Perry G., Rutherford, assignor of one-half to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Antislip-belt. No. 1,255,525; Feb. 5; v. 247; p. 119.
Gardner, Perry G., Rutherford, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Traction-pulley. No. 1,264,052; Apr. 23; v. 249; p. 936.
Gardner, William E. *et al.* (See Gardner, Fulton, assignor.)
Gardner, William L., Redlands, Cal. Pump-jack. No. 1,289,436; Dec. 31; v. 257; p. 918.
Garfield, James R., trustee. (See Albert, Walter P., assignor.)
Garfield, James R., trustee. (See Webster, Harry G., assignor.)
Garford, Arthur L. (See Parkes. Walter, assignor.)
Garford, Arthur L. (See Parkes and Garford.)
Garford, Francis S., Lougheed, Canada. Automatic release-coupling. No. 1,277,058; Aug. 27; v. 253; p. 845.
Garford Manufacturing Company, The. (See Bonsieur, Le, assignor.)
Garford Manufacturing Company, The. (See Manson, Ray H., assignor.)
Garford Manufacturing Company, The. (See Mizer, Fred N., assignor.)
Garford Manufacturing Company, The. (See Pehrsson, John, assignor.)
Garford Manufacturing Company, The. (See Slough, Frank M., assignor.)
Gargan, John O., Brooklyn, N. Y., assignor to Western Electric Company, New York, N. Y. Locking device. No. 1,281,338; Oct. 15; v. 255; p. 396.
Gargett, George I., Alma, Mich. Motor-vehicle drive mechanism. No. 1,269,530; June 11; v. 251; p. 426.
Gargett, George I., Alma, Mich. Changeable-speed bevel-gearing. No. 1,269,531; June 11; v. 251; p. 426.
Gargett, George I., Alma, Mich. Transmission-casing for tractors. No. 1,278,328; Sept. 10; v. 254; p. 296.
Garibaldi, Lester L., Oakland, Cal. Quick-detachable dust-cap. No. 1,255,091; Jan. 29; v. 246; p. 1168.
Gariss, Frank S., Dilltown, Pa. Ring. No. 1,286,273; Dec. 3; v. 257; p. 22.
Garl, Manious, Akron, Ohio. Mercury-relay. No. 1,260,363; Mar. 26; v. 248; p. 799.
Garl, Manious, Akron, Ohio. Automobile-signal. No. 1,271,696; July 9; v. 252; p. 298.
Garland, John G., and J. A. Clinard; said Garland assignor to D. V. Cassady, High Point, N. C. Combination step-ladder and ironing-board. No. 1,284,307; Nov. 12; v. 256; p. 259.
Garland, Oscar A., assignor of one-fourth to L. M. Schaer and one-fourth to J. C. Schaer, Hot Springs, Ark. Telegraph instrument. No. 1,263,402; Apr. 23; v. 249; p. 757.
Garland, William F., New York, N. Y. Photographic developing apparatus. No. 1,288,403; Dec. 17; v. 257; p. 611.
Garlick, James D., Port Huron, Mich. Vehicle-wheel. No. 1,256,682; Feb. 19; v. 247; p. 535.
Garlock, William H., and W. J. Stubbe, Seattle, Wash. Slicing-machine. No. 1,266,450; May 14; v. 250; p. 463.
Garman, Adrian S., Philadelphia, Pa. Medicine-cabinet. No. 1,254,132; Jan. 22; v. 246; p. 863.
Garman, Adrian S., Philadelphia, Pa. Bedstead. No. 1,258,556; Mar. 5; v. 248; p. 178.
Garman, Raymond H., Wilmette, Ill. Book, &c., for children. No. 1,273,763; July 23; v. 252; p. 920.
Garner, Charles J., Washington, D. C. Lock. No. 1,283,493; Nov. 5; v. 256; p. 16.
Garner, Charles N. (See Wild, Edward J., assignor.)
Garner, G. Edward. (See Baird, Frank S., assignor.)
Garner, Herman H., Pomona, Cal. Tractor. No. 1,283,725; Nov. 5; v. 256; p. 75.
Garner, James B., Pittsburgh, Pa., assignor to Metals Research Company, New York, N. Y. Absorbent material and producing the same. No. 1,262,770; Apr. 16; v. 249; p. 560.
Garner, James B., and H. D. Clayton, Pittsburgh, Pa., assignors to Metals Research Company, New York, N. Y. Manufacture of chlorinated hydrocarbons. No. 1,262,769; Apr. 16; v. 249; p. 560.
Garner, Vernon, assignor to United Printing Machinery Company, Boston, Mass. Sheet-combing mechanism. No. 1,264,053; Apr. 23; v. 249; p. 936.
Garner, Wightman W., and E. G. Beinhart, Washington, D. C. Preventing the development of black rot and other fungous and bacterial diseases in leaf-tobacco. No. 1,268,070; May 28; v. 250; p. 973.
Garner, William W., Des Moines, Iowa. Folding scaffold for silos. No. 1,258,402; Mar. 5; v. 248; p. 131.
Garnero, John, Juneau, Alaska. Self-leveling table. No. 1,260,181; Mar. 19; v. 248; p. 711.
Garnero, John, Juneau, Alaska. Priming device for gasolene-engines. No. 1,264,054; Apr. 23; v. 249; p. 936.
Garnett, Herbert, Toledo, Ohio. Respirator. No. 1,270,404; June 25; v. 251; p. 723.
Garnett, Thomas W., assignor of one-half to L. G. Elder, Salina, Kans. Window-blind and lace-curtain holder. No. 1,253,808; Jan. 15; v. 246; p. 749.
Garnett, Walter J., Eastport, Me. Apparatus for extracting oil. No. 1,271,028; July 2; v. 252; p. 78.
Garred, Ulysses V., Ilion, N. Y. Means for ventilating and heating automobile-bodies. No. 1,277,404; Sept. 3; v. 254; p. 20.
Garren, George S., Oak Park, assignor to Sargent Company, Chicago, Ill. Grease-cup. No. 1,277,059; Aug. 27; v. 253; p. 846.
Garrett, Berton A., Schenectady, N. Y., assignor to General Electric Company. Coupling. No. 1,273,764; July 23; v. 252; p. 920.
Garrett, Carlton M. (See Stark and Garrett, assignors.)
Garrett, George A., Glenwood, Iowa. Mowing-machine. No. 1,287,666; Dec. 17; v. 257; p. 431.
Garrett H. Smith, Inc. (See Nagel, Gustav J., assignor.)
Garrett, Jefferson D., Winnsboro, Tex. Harrow. No. 1,286,581; Dec. 3; v. 257; p. 97.
Garrett, Myers A. (See Stark and Garrett.)
Garrett, Thomas, *et al.* (See Karppinen, Karl, assignor.)
Garrett, Samuel H., Fort Worth, Tex., and J. O. Staude, Weatherford, Tex. Derailing-block. No. 1,280,437; Oct. 1; v. 255; p. 90.
Garretson, Harry D., New York, N. Y. Inductive high-tension terminal. No. 1,285,977; Nov. 26; v. 256; p. 757.
Garrigan, William H., Coalinga, Cal. Drilling-block or rope guide. No. 1,289,149; Dec. 31; v. 257; p. 845.
Garrigues, William E., New Orleans, La., assignor to William Garrigue & Company, New York, N. Y. Apparatus for extracting soluble substances. No. 1,282,407; Oct. 22; v. 255; p. 724.
Garrison, Charles, Brookline, Mass. Life-preserver. No. 1,271,154; July 2; v. 252; p. 112.
Garrison, Charles, Portola, Cal. Ice-lowering machine. No. 1,277,567; Sept. 3; v. 254; p. 65.
Garrison, John J., Washington, D. C. Mirror. No. 1,286,990; Dec. 10; v. 257; p. 232.
Garrison, Nijah I., and H. W. Steele, El Reno, Okla. Pressure-controller. No. 1,280,010; Sept. 24; v. 254; p. 810.
Garrison, Thomas E. (See Wadleigh and Garrison.)
Garrison, William F., Alcova, Wyo. Pipe. No. 1,256,469; Feb. 12; v. 247; p. 437.
Garrott, Joseph C., Braddock Heights, Md. Tractor-plow. No. 1,280,011; Sept. 24; v. 254; p. 811.
Garst, Stephen H., Moline, Ill. Plow. No. 1,281,339; Oct. 15; v. 255; p. 396.
Garth, John H. (See Gallipeau, John, assignor.)
Gartley, Lorne E., Coffeyville, Kans. Child's coaster. No. 1,268,449; June 4; v. 251; p. 109.
Gartner, Alfred, Washington, D. C. Stick or scarf pin. No. 1,256,470; Feb. 12; v. 247; p. 437.
Garver, Edward L., Topeka, Kans. Truck-brake. No. 1,259,614; Mar. 19; v. 248; p. 550.
Garver, James L., New York, N. Y. Resilient wheel. No. 1,289,726; Dec. 31; v. 257; p. 988.
Garver, Walter E., Kokomo, Ind. Fruit-packing press. No. 1,259,613; Mar. 19; v. 248; p. 549.
Garvey, James, Los Angeles, Cal. Bread-making machine. No. 1,274,704; Aug. 6; v. 253; p. 104.
Garvey, James D., Chicago, Ill. Glove. No. 1,279,855; Sept. 24; v. 254; p. 767.
Garvin, Carl, Dayton, Iowa. Interlocking tile-section. No. 1,257,337; Feb. 26; v. 247; p. 761.
Garvin, John S., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. No. 1,289,437; Dec. 31; v. 257; p. 919.
Garvin Machine Company, The. (See McClellan, Edward J., assignor.)
Garvin, Virgil F. (See Haynes and Garvin.)
Garwood Company. (See Pauli, Carl, assignor.)
Garwood, John W., Lawton, Okla. Baling-press. No. 1,270,145; June 18; v. 251; p. 626.
Garza, Pablo G., Monterey, Mexico. Machine for cooking tortillas. No. 1,280,205; Oct. 1; v. 255; p. 25.
Garza, Pablo G., Monterey, Mexico. Tortilla-machine. No. 1,263,317; Apr. 16; v. 249; p. 713.
Garzoni, Chinto A., De Lancey, Pa. Rail-brace. No. 1,260,534; Mar. 26; v. 248; p. 850.

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Gas and Oil Combustion Company. (See Lucke, Charles E., assignor.)
Gas Oil Stove Company. (See Daines, Hawley E., assignor.)
Gasau-Thompson Company. (See McKellar, Judson L., assignor.)
Gaskill, Joseph C., assignor to Ames Iron Works, Oswego, N. Y. Steam-engine. No. 1,283,145; Oct. 29; v. 255; p. 953.
Gasser, Charles B., Reading, Pa. Potato-peeling machine. No. 1,255,735; Feb. 5; v. 247; p. 180.
Gasser, William B., assignor of one-fourth to A. Schoch, one-eighth to M. Alexander, and one-eighth to R. J. Feldman, Chicago, Ill. Bolt and nut lock. No. 1,269,532; June 11; v. 251; p. 426.
Gasstrom, Herman, New York, N. Y., assignor to Dahl Manufacturing Co. Interlocking slidable sections. No. 1,288,556; Dec. 24; v. 257; p. 678.
Gaston, David W., Jr. (See Fairfax, James E., assignor.)
Gaston, William E., Torrington, Conn. Bottle-closure. No. 1,276,343; Aug. 20; v. 253; p. 615.
Gatchell, George S. (See Molyneux and Gatchell.)
Gatchell, Preston E., Buckley, Wash. Ship-brake. No. 1,256,786; Feb. 19; v. 247; p. 565.
Gates, Charles C., Denver, Colo., assignor to The International Rubber Company. Belt-making process. No. 1,281,153; Oct. 8; v. 255; p. 313.
Gates, Daniel F. (See Davis and Gates.)
Gates, Frank M., Los Angeles, Cal. Stove. No. 1,286,274; Dec. 3; v. 257; p. 22.
Gates, Frederic P., assignor to The Arrow Electric Company, Hartford, Conn. Electric socket. No. 1,255,152; Feb. 5; v. 247; p. 11.
Gates, Frederic P., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. No. 1,269,419; June 11; v. 251; p. 397.
Gates, Frederic P., assignor to The Arrow Electric Company, Hartford, Conn. Electric-lamp socket. No. 1,276,516; Aug. 20; v. 253; p. 664.
Gates, Frederic P., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch or socket key. No. 1,282,565; Oct. 22; v. 255; p. 767.
Gates, Howard A., Cincinnati, Ohio. Steam-generator. No. 1,288,557; Dec. 24; v. 257; p. 678.
Gates, John W., Montreal, Quebec, Canada. Boiler-seam protector. No. 1,287,954; Dec. 17; v. 257; p. 503.
Gates, Louis W., assignor to Fisher Body Corporation, Detroit, Mich. Curtain-roller. No. 1,277,902; Sept. 3; v. 254; p. 158.
Gates, Quincy A. (See Bunnell and Gates.)
Gates, Quincy A. (See Bunnell and Williams, assignors.)
Gates, Ralph M., and V. Mayhew, Great Bend, N. Y. Motor-vehicle. No. 1,285,676; Nov. 26; v. 256; p. 681.
Gates, Susan P., Walla Walla, Wash. House-gown. No. 1,256,891; Feb. 19; v. 247; p. 597.
Gathercoal, Frank H., Wilmette, Ill. Disappearing sash for porch constructions. No. 1,263,756; Apr. 23; v. 249; p. 854.
Gathercoal, Frank H., Wilmette, Ill. Game. No. 1,284,308; Nov. 12; v. 256; p. 259.
Gatheridge, Arthur, *et al.* (See Coates, George, assignor.)
Gathmann, Emil, Baltimore, Md. Ingot-mold. No. 1,258,209; Mar. 5; v. 248; p. 75.
Gathmann, Emil, Baltimore, Md. Practice-bomb. No. 1,271,029; July 2; v. 252; p. 79.
Gathmann, Louis, deceased, Washington, D. C.; O. G. Foley, administratrix. Method of and apparatus for casting armor-plates. No. 1,276,517; Aug. 20; v. 253; p. 664.
Gathmann, Louis, deceased, Washington, D. C.; O. G. Foley, administratrix. Drying smokeless powder and recovering solvents therefrom. No. 1,289,150; Dec. 31; v. 257; p. 846.
Gathright, Josiah B., Louisville, Ky. Car-fender. No. 1,262,322; Apr. 9; v. 249; p. 404.
Gathright, Josiah B., Louisville, Ky. Boy's runabout. No. 1,263,224; Apr. 16; v. 249; p. 689.
Gathright, Josiah B., Louisville, Ky. Automobile license-tag. No. 1,269,923; June 18; v. 251; p. 567.
Gathright, Josiah B., Louisville, Ky. Hose-coupling. No. 1,269,924; June 18; v. 251; p. 567.
Gáti, Béla, Budapest, Hungary. Metal-protected high-potential insulator. No. 1,277,304; Aug. 27; v. 253; p. 910.
Gatlin, Henry W., Kansas City, Mo. Curtain-stretcher. No. 1,264,175; Apr. 30; v. 249; p. 1003.
Gaudette, Alphee P., Hartford, Conn. Mixture to be applied to wood. No. 1,282,806; Oct. 29; v. 255; p. 861.
Gauger, Frank A. (See Rutz and Gauger.)
Gauger, Frank A., assignor of one-half to J. F. Rutz, Milwaukee, Wis. Flash-igniter burner. No. 1,285,978; Nov. 26; v. 256; p. 757.
Gault, Frank W., Jr., Okolona, Ky. Air and gas mixer. No. 1,286,582; Dec. 3; v. 257; p. 97.
Gault, John A., Lancaster, Wis. Submarine-destroyer. No. 1,253,482; Jan. 15; v. 246; p. 657.
Gaunt, Joseph S., and H. Dyson, Manchester, England. Yarn-guide eye. No. 1,257,213; Feb. 19; v. 247; p. 690.
Gauntlett, Elon D. (See Long, Curtis M., assignor.)
Gauntt, Forest G., Fort Wayne, Ind., assignor to W. J. Savage Company, Knoxville, Tenn. Cereal-cutter. No. 1,252,898; Jan. 8; v. 246; p. 453.
Gauntt, Forest G., Fort Wayne, Ind., assignor to W. J. Savage Company, Knoxville, Tenn. Feeding device. No. 1,258,668; Mar. 12; v. 248; p. 249.
Gauntt, Forest G., Fort Wayne, Ind., assignor to W. J. Savage Company, Knoxville, Tenn. Bag-cleaner. No. 1,268,450; June 4; v. 251; p. 109.
Gauntt, Newton C., assignor to The Educo Company, Spokane, Wash. Collapsible book-holder. No. 1,269,925; June 18; v. 251; p. 568.
Gauthier & Clarke. (See Gauthier, Henry J., assignor.)
Gauthier, Edwin, Mattoon, Wis. Stone-puller. No. 1,266,674; May 21; v. 250; p. 558.
Gauthier, Ernest, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Crank-shaft. No. 1,258,761; Mar. 12; v. 248; p. 274.
Gauthier, Henry J., assignor to Gauthier and Clarke, Plainfield, N. J. Rotary gas-engine. No. 1,268,561; June 4; v. 251; p. 136.
Gauthier, Henry J., assignor to Gauthier & Clarke, Plainfield, N. J. Carbureter. No. 1,279,856; Sept. 24; v. 254; p. 767.
Gavaza Bottle Cap Company. (See Gavaza, Cecil V., assignor.)
Gavaza, Cecil V., assignor to Gavaza Bottle Cap Company, Boston, Mass. Bottle-cap. No. 1,257,991; Mar. 5; v. 248; p. 12.
Gavaza, Cecil V., assignor to Gavaza Bottle Cap Company, Boston, Mass. Making bottle-caps. No. 1,257,992; Mar. 5; v. 248; p. 12.
Gavin, Gordon P., Chicago, Ill. Constructing closet-bowls. No. 1,289,151; Dec. 31; v. 257; p. 846.
Gavin, Joseph A., Brooklyn, N. Y. Waterproof storm-shield. No. 1,273,765; July 23; v. 252; p. 921.
Gavin, Thomas E., Minneapolis, Minn. Mop-holder. No. 1,267,398; May 28; v. 250; p. 785.
Gaw, Luther A., Charlottesville, Va. Internal-combustion engine. No. 1,286,275; Dec. 3; v. 257; p. 22.
Gawlet, Gregory, Los Angeles, Cal. Loading and unloading machine. No. 1,272,655; July 16; v. 252; p. 595.
Gawley, George J., Fleet, England. Apparatus for discharging fluids or bodies from containers. No. 1,256,305; Feb. 12; v. 247; p. 388.
Gay, Cassius M., deceased, Los Angeles, Cal.; N. H. Gay, executor. Ice-making apparatus. No. 1,273,055; July 16; v. 252; p. 706.
Gay, Francis M., *et al.* (See Methvin, James E., assignor.)
Gay, Herman T. (See Butkus and Gay.)
Gay, Herman T., assignor of four-tenths to J. F. Nauman, Baltimore, Md. Newspaper-holder. No. 1,270,611; June 25; v. 251; p. 781.
Gay, Hugh A., *et al.* (See Methvin, James E., assignor.)
Gay, Lee O., *et al.* (See Methvin, James E., assignor.)
Gay, Norman H., executor. (See Gay, Cassius M.)
Gay, Verner M., Danbury, Conn. Swinging tray. No. 1,287,955; Dec. 17; v. 257; p. 503.
Gay, Wesley C., Augusta, Ga. Rod or wire panel fence. No. 1,275,900; Aug. 13; v. 253; p. 461.
Gaylord, Edwin P., Rochester, N. Y. Refilling valve mechanism for flush-tanks. No. 1,266,675; May 21; v. 250; p. 558.
Gaylord, George A., Edmond, and G. W. Border, Wellston, Okla. Threshing-machine. No. 1,282,408; Oct. 22; v. 255; p. 725.
Gaynor, David, Brooklyn, N. Y. Window-receptacle. No. 1,285,116; Nov. 19; v. 256; p. 500.
Gaynor, Frederick M., Jersey City, N. J. Cork-extractor. No. 1,265,320; May 7; v. 250; p. 122.
Gaynor, John F. (See Bengough and Gaynor.)
Gaynor, William O., assignor to M. Goodman, Chicago, Ill. Removing impregnating material from paper. No. 1,284,647; Nov. 12; v. 256; p. 342.
Gayton, Samuel R., assignor of one-fourth to M. R. Clark, Philadelphia, Pa. Pocket drinking-cup. No. 1,287,288; Dec. 10; v. 257; p. 307.
Gear, Frederick W., New York, N. Y. Spark-plug. No. 1,264,055; Apr. 23; v. 249; p. 936.
Gear Grinding Machine Company. (See Ward, Frederick A., assignor.)
Gear Improvement Company. (See Williams, Harvey D., assignor.)
Gear, Richard J., Roxbury, Mass. Garment-supporter. No. 1,263,225; Apr. 16; v. 249; p. 689.
Gearing, Harry. (See Hatfield and Gearing.)
Gearing, Harry. (See Leonard and Gearing.)
Gearing, James M., Pittsburgh, Pa. Valve-motion for internal-combustion engines. No. 1,287,289; Dec. 10; v. 257; p. 308.
Geary, James H., Maywood, Ill., assignor to American Can Company, New York, N. Y. Attachable-bail-ear device. No. 1,281,340; Oct. 15; v. 255; p. 396.
Geary, James J., Kerry, Oreg. Chock-block. No. 1,282,807; Oct. 29; v. 255; p. 861.
Gearhart, Roy E., and E. E. Lloyd, assignors of one-fourth to L. E. Forsythe, one-fourth to S. G. Gillam, one-fourth to J. Z. Curmutt, and one-fourth to said Lloyd, Maryville, Mo. Machine for molding and cutting butter and the like. No. 1,285,979; Nov. 26; v. 256; p. 757.

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Gebhart, John C., assignor, by mesne assignments, to Econometer Company, St. Louis, Mo. Machine for measuring textile fabric and computing the price thereof. No. 1,252,258; Jan. 1; v. 246; p. 236.
Gebhart, John C., assignor, by mesne assignments, to Econometer Company, St. Louis, Mo. Machine for measuring textile fabric and computing the price thereof. No. 1,252,340; Jan. 1; v. 246; p. 258.
Gebhart, John C., assignor, by mesne assignments, to Econometer Company, St. Louis, Mo. Machine for measuring textile fabrics. No. 1,259,389; Mar. 12; v. 248; p. 454.
Gebhart, John C., assignor to The Econometer Co., St. Louis, Mo. Apparatus for measuring ribbon. No. 1,273,766; July 23; v. 252; p. 921.
Gebhart, John C., assignor, by mesne assignments, to Econometer Company, St. Louis, Mo. Machine for measuring textile fabric. No. 1,280,012; Sept. 24; v. 254; p. 811.
Gebhardt, Edwin, Norwood, Ohio. Detachable button. No. 1,268,833; June 11; v. 251; p. 235.
Gebhardt, Henry J., Chicago, Ill. Water-tube boiler. No. 1,285,677; Nov. 26; v. 256; p. 681.
Gebhardt, Victor A., Cincinnati, Ohio. Finger-ring and the like. No. 1,280,707; Oct. 8; v. 255; p. 190.
Gebhardt, William C., San Antonio, Tex. Safety-valve mechanism for pneumatic tires. No. 1,261,018; Apr. 2; v. 249; p. 8.
Gebrüder Stumm, G. m. b. H. (See Pfoser and Strack, assignors.)
Gedney, William S., Belleville, N. J. Tire-valve control. No. 1,275,416; Aug. 13; v. 253; p. 326.
Gee, Alexander H., Pilot Point, Tex. Rail-fastener. No. 1,283,726; Nov. 5; v. 256; p. 75.
Gee, David A., Astoria, Oreg. Lock. No. 1,272,417; July 16; v. 252; p. 526.
Gee, Norman E., Altoona, Pa. Fuel-transfer mechanism for stokers. No. 1,276,642; Aug. 20; v. 253; p. 699.
Gee, Tracy, Chester, Mont. Automatic cut-off valve. No. 1,286,583; Dec. 3; v. 257; p. 98.
Gee, Tracy, Chester, Mont. Nut-lock. No. 1,286,584; Dec. 3; v. 257; p. 98.
Gee, Verdy E., Lemoore, Cal. Shock-absorber. No. 1,254,400; Jan. 22; v. 246; p. 939.
Gee, William J., Tulse Hill, London, England. Method of and apparatus for drying china or other clay, fullers' earth, pigments, whiting, and the like. No. 1,274,158; July 30; v. 252; p. 1070.
Geer, William S., Burbank township, Kandiyohi county, Minn. Harvester-reel. No. 1,270,146; June 18; v. 251; p. 627.
Geerekey, Louis W., deceased, Douglas, Ariz.; J. A. Ketcherside, administrator. Rubber-tire protector. No. 1,254,793; Jan. 29; v. 246; p. 1084.
Geeslin, Eli M. (See Harris and Geeslin.)
Gehbauer, John, St. Louis, Mo. Fan attachment for lawn-swings. No. 1,276,050; Aug. 20; v. 253; p. 534.
Gehnrich, Hermann, assignor to Gehnrich Indirect Heat Oven Company, Brooklyn, N. Y. Wall connection for ovens. No. 1,268,707; June 4; v. 251; p. 180.
Gehnrich Indirect Heat Oven Company. (See Gehnrich, Hermann, assignor.)
Gehr, Harvey J., Waynesboro, Pa. Device for balancing drums, &c. No. 1,279,322; Sept. 17; v. 254; p. 593.
Gehrandt, Gustav R., Oak Park, Ill. Smelting and purifying iron. No. 1,260,660; Mar. 26; v. 248; p. 887.
Geib, John W. (See Heinz and Geib.)
Geibig, Louis, Spartanburg, S. C. Ventilator. No. 1,264,056; Apr. 23; v. 249; p. 936.
Geiger, Cornelius M., assignor of one-half to T. A. Albritton, Bee Ridge, Fla. Safety-cover for gondola-cars. No. 1,252,259; Jan. 1; v. 246; p. 236.
Geiger, David F., Saskatoon, Saskatchewan, Canada. Acetylene-gas generator. No. 1,264,057; Apr. 23; v. 249; p. 937.
Geiger, Frederick J., *et al.* (See McCloskey, Alfred C., assignor.)
Geiger, Sylvester F., Lake Geneva, Wis. Folding crate. No. 1,274,531; Aug. 6; v. 253; p. 55.
Geiger, Tracey E., assignor to The Troy Wagon Works Company, Troy, Ohio. Steering device for vehicles. No. 1,262,771; Apr. 16; v. 249; p. 561.
Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-rigging. No. 1,255,153; Feb. 5; v. 247; p. 12.
Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,283,146; Oct. 29; v. 255; p. 954.
Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable draw-bar and yoke connection. No. 1,286,276; Dec. 3; v. 257; p. 23.
Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Adjustable yoke. No. 1,286,277; Dec. 3; v. 257; p. 23.
Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Means for connecting yoke-straps to draw-bars for railway-cars. No. 1,286,278; Dec. 3; v. 257; p. 23.
Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,279; Dec. 3; v. 257; p. 23.
Geilsdorfer, Herman, Brooklyn, and A. Pitzer, New York, N. Y. Butter-dispenser. No. 1,288,558; Dec. 24; v. 257; p. 678.
Geiport, Rudolf, assignor to Dessauer Vertikal Ofen Gesellschaft, Berlin, Germany. Heating coke-ovens. No. 1,281,775; Oct. 15; v. 255; p. 512.
Geirmann, Charles, Lodi, Cal. Vineyard-plow. No. 1,276,051; Aug. 20; v. 253; p. 535.
Geisel, Ollie B., Buffalo, N. Y. Bottle-holder. No. 1,279,323; Sept. 17; v. 254; p. 593.
Geisel, Otto E., Philadelphia, Pa. Power-transmission belt. No. 1,255,594; Feb. 5; v. 247; p. 139.
Geisel, Otto E., Philadelphia, Pa. Joining woven belts. No. 1,261,118; Apr. 2; v. 249; p. 36.
Geisenhöner, Henry, Schenectady, N. Y., assignor to General Electric Company. Process and apparatus for producing line-welds. No. 1,264,058; Apr. 23; v. 249; p. 937.
Geiser, Fred E., *et al.* (See Wentz, Robert F., assignor.)
Geisler, Paul A., Milwaukee, Wis. Machine for digging out railway-ties. No. 1,252,564; Jan. 8; v. 246; p. 360.
Geissler, Franz, deceased, Cottbus; M. Geissler, trustee, Cottbus, Germany. Apparatus for dyeing wool and other fibrous substances. No. 1,267,209; May 21; v. 250; p. 708.
Geissler, Marianne, trustee. (See Geissler, Franz, assignor.)
Geist, Carlton. (See Wiederwax, Robert W., assignor.)
Geist, Harry F., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis. Magneto-machine. No. 1,267,755; May 28; v. 250; p. 884.
Geist, Harry F., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis. Ignition system. No. 1,271,030; July 2; v. 252; p. 79.
Geist, Harry F., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device. No. 1,271,155; July 2; v. 252; p. 113.
Geist, Harry F., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis. Magneto-machine. No. 1,275,901; Aug. 13; v. 253; p. 461.
Geist, William, University City, Mo. Glare-protector. No. 1,258,107; Mar. 5; v. 248; p. 47.
Geistwhite, John. (See Bohmker and Geistwhite.)
Geith, Peter, *et al.* (See Helbing, Frederick C., assignor.)
Gelatt, Philo M., La Crosse, Wis. Gage-casing. No. 1,252,682; Jan. 8; v. 246; p. 393.
Gelatt, Philo M., La Crosse, Wis. Tank-gage. No. 1,252,683; Jan. 8; v. 246; p. 393.
Gelatt, Philo M., assignor to National Gauge and Equipment Co., La Crosse, Wis. Pressure-gage. No. 1,254,672; Jan. 29; v. 246; p. 1045.
Gelatt, Philo M., La Crosse, Wis. Bulb for temperature-indicating instruments. No. 1,266,580; May 21; v. 250; p. 530.
Gelatt, Philo M., La Crosse, Wis. Indicator for oiling systems. No. 1,274,871; Aug. 6; v. 253; p. 152.
Gelb, Joseph, New York, N. Y. Electric-arc lamp. No. 1,272,418; July 16; v. 252; p. 526.
Gelling, John W., Mexico, Mexico. Spring construction. No. 1,256,124; Feb. 12; v. 247; p. 335.
Gelner, Henry, Garner, Iowa. Bridge. No. 1,253,809; Jan. 15; v. 246; p. 750.
Gem Stamped Steel Company. (See Higgins, George F., assignor.)
Gendreau, Jacques, Shanghai, China. Process and apparatus for making calcium acetate and by-products. No. 1,276,643; Aug. 20; v. 253; p. 699.
Gendron, Joseph A., Nashua, N. H. Loom. No. 1,255,736; Feb. 5; v. 247; p. 181.
Gendron, Joseph S., Loma, N. D. Pipe, drill-rod, and casing-puller. No. 1,287,956; Dec. 17; v. 257; p. 504.
Gendron Wheel Company. (See Carmichael, Oral, assignor.)
General Acoustic Company. (See Lehman, Charles H., assignor.)
General Acoustic Company. (See Scher, Louis, assignor.)
General Alloys Company, The. (See Cooper, Hugh S., assignor.)
General Automatic Scale Company, The. (See Schaper, Henry C., assignor.)
General Bakelite Company. (See Baekeland, Leo H., assignor.)
General Bakelite Company. (See Townsend, Clinton P., assignor.)
General Carbonic Co. (See Lévy, Fortunato, assignor.)
General Chemical Company. (See Baird, Dudley, assignor.)
General Chemical Company. (See Fowler, Edward J., assignor.)
General Chemical Company. (See Howard, Henry, assignor.)
General Chemical Company. (See Taylor, Alvin M., assignor.)
General Container Corporation. (See Gill, Lewis W., assignor.)
General Eclipse Company, The. (See Kennedy, Frederick A., assignor.)
General Electric Company. (See Abbott, Charles C., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

Alphabetical list of patentees—Continued.

General Electric Company. (See Arnold, Benjamin H., assignor.)
General Electric Company. (See Arnold, Lyman, assignor.)
General Electric Company. (See Arsem and Wright, assignors.)
General Electric Company. (See Atwood, Winfield A., assignor.)
General Electric Company. (See Bailey, Percy S., assignor.)
General Electric Company. (See Batchelder, Asa F., assignor.)
General Electric Company. (See Beck, Heinrich, assignor.)
General Electric Company. (See Benecke, Adelbert O., assignor.)
General Electric Company. (See Benecke, Adelbert O., assignor.) (Reissue.)
General Electric Company. (See Bergman, Sven R., assignor.)
General Electric Company. (See Berry, Arthur F., assignor.)
General Electric Company. (See Blau, Fritz, assignor.)
General Electric Company. (See Bullock, Charles F., assignor.)
General Electric Company. (See Capp, John A., assignor.)
General Electric Company. (See Carichoff, Eugene R., assignor.)
General Electric Company. (See Case, Frank E., assignor.)
General Electric Company. (See Chatain, Henri G., assignor.)
General Electric Company. (See Clement, Hans, assignor.)
General Electric Company. (See Clendenin, John C., assignor.)
General Electric Company. (See Collingham, Robert H., assignor.)
General Electric Company. (See Collins, Edgar F., assignor.)
General Electric Company. (See Coolidge, William D., assignor.)
General Electric Company. (See Craighead, James R., assignor.)
General Electric Company. (See Creighton, Elmer E. F., assignor.)
General Electric Company. (See Currier, Neil, Jr., assignor.)
General Electric Company. (See Dantsizen, Christian, assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Dickinson, Edgar D., assignor.)
General Electric Company. (See Dodge, Austin R., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Draper, Warren, assignor.)
General Electric Company. (See Drohan, Thomas E., assignor.)
General Electric Company. (See Dushman, Saul, assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Eddy and Abbott, assignors.)
General Electric Company. (See Ellis, Alvarado L. R., assignor.)
General Electric Company. (See Emmet, William L. R., assignor.)
General Electric Company. (See Engel, Hans, assignor.)
General Electric Company. (See Evans, Evan, assignor.)
General Electric Company. (See Fagan, John T., assignor.)
General Electric Company. (See Ferguson, Charles V., assignor.)
General Electric Company. (See Fink and Koerner, assignors.)
General Electric Company. (See Fisher, Ernest F., assignor.)
General Electric Company. (See Fleischmann, Lionel, assignor.)
General Electric Company. (See Forsberg, Peter W., assignor.)
General Electric Co. (See Forsman, John, assignor.)
General Electric Company. (See Frank and Dwyer, assignors.)
General Electric Company. (See Frick, Walther, assignor.)
General Electric Company. (See Fuller, Carl T., assignor.)
General Electric Company. (See Fuller, Truman S., assignor.)
General Electric Company. (See Garrett, Berton A., assignor.)
General Electric Company. (See Geisenhöner, Henry, assignor.)
General Electric Company. (See Gill, Frederic W., assignor.)
General Electric Company. (See Goff, Robert W., assignor.)
General Electric Company. (See Gray, George F., assignor.)
General Electric Company. (See Green, Frank C., assignor.)
General Electric Company. (See Guay, Emile J., assignor.)
General Electric Company. (See Hadley, Arthur L., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Hall, John L., assignor.)
General Electric Company. (See Halliwell, Reginald F., assignor.)
General Electric Company. (See Halvorson and Beechlyn, assignors.)
General Electric Company. (See Halvorson, Cromwell A. B., Jr., assignor.)
General Electric Company. (See Hamilton, William S. H., assignor.)
General Electric Company. (See Harding, Henry M., assignor.)
General Electric Company. (See Hayman, William C., assignor.)
General Electric Company. (See Hewlett, Edward M., assignor.)
General Electric Company. (See Hill, Charles H., assignor.)
General Electric Company. (See Hill, George H., assignor.)
General Electric Company. (See Hobart, Henry M., assignor.)
General Electric Company. (See Holcombe, William E., assignor.)
General Electric Company. (See Howell, Fred B., assignor.)
General Electric Company. (See Hoxie, Charles A., assignor.)
General Electric Company. (See Huberich, Henry R., assignor.)
General Electric Company. (See Hughes, Dale C., assignor.)
General Electric Company. (See Jacobs, Ernest H., assignor.)
General Electric Company. (See Jacoby, Richard, assignor.)
General Electric Company. (See Johannesen, Svend E., assignor.)
General Electric Company. (See Jones, Laurence D., assignor.)
General Electric Company. (See Junggren, Oscar, assignor.)
General Electric Company. (See Kearsley, William K., Jr., assignor.)
General Electric Company. (See Keene, Alvin D., assignor.)
General Electric Company. (See Kiefer, Johann, assignor.)
General Electric Company. (See Killgore, Lloyd M., assignor.)
General Electric Company. (See Kline, Alexander D., assignor.)
General Electric Company. (See Korthals-Altes, William C., assignor.)
General Electric Company. (See Langmuir, Irving, assignor.)
General Electric Company. (See Larson and Shapter, assignors.)
General Electric Company. (See Lemp and Stock, assignors.)
General Electric Company. (See Loewenstein, Louis C., assignor.)
General Electric Company. (See London, William J. A., assignor.)
General Electric Company. (See Luckiesh, Matt, assignor.)
General Electric Company. (See Macloskie, George, assignor.)
General Electric Company. (See McBride, William J., assignor.)
General Electric Company. (See McDonald, James D., assignor.)
General Electric Company. (See McFarland, Edward H., assignor.)
General Electric Company. (See McKelvey, Newell A., assignor.)
General Electric Company. (See Martin and Thompson, assignors.)
General Electric Company. (See Matthews, Howard D., assignor.)
General Electric Company. (See Meeker, Herbert D., assignor.)
General Electric Company. (See Meikle, George S., assignor.)
General Electric Company. (See Merriam, Ezra B., assignor.)
General Electric Company. (See Momota, Sadaji, assigner.)
General Electric Company. (See Montsinger, Vincent M., assignor.)
General Electric Company. (See Moody, Walter S., assignor.)

Alphabetical list of patentees—Continued.

General Electric Company. (See Moore, Daniel M., assignor.)
General Electric Company. (See Morganthaler, Peter C., assignor.)
General Electric Company. (See Moss, Sanford A., as signor.)
General Electric Company. (See Murphy, Edwin J., assignor.)
General Electric Company. (See Newman, Max G., assignor.)
General Electric Company. (See Nordgren, Werner M., assignor.)
General Electric Company. (See Orange, John A., assignor.)
General Electric Company. (See Orr, Clark, assignor.)
General Electric Company. (See Orth, Johannes, assignor.)
General Electric Company. (See Pacz, Aladar, assignor.)
General Electric Company. (See Pagel, Gustav, assignor.)
General Electric Company. (See Parkhurst, Leon F., assignor.)
General Electric Company. (See Parsons, Robert J., assignor.)
General Electric Company. (See Perry, Charles L., assignor.)
General Electric Company. (See Philippi, Erich, assignor.)
General Electric Company. (See Porter, Willard E., assignor.)
General Electric Company. (See Potter, William B., assignor.)
General Electric Company. (See Priest, Edward D., assignor.)
General Electric Company. (See Rice, Richard H., assignor.)
General Electric Company. (See Rippl, Francis J., assignor.)
General Electric Company. (See Rolph, Thomas W., assignor.)
General Electric Company. (See Samuelson, Frederick, assignor.)
General Electric Company. (See Sargent, Howard R., assignor.)
General Electric Company. (See Schellens, Christopher A., assignor.)
General Electric Company. (See Seede, John A., assignor.)
General Electric Company. (See Shand, Robert, assignor.)
General Electric Company. (See Shaw and Laird, assignors.)
General Electric Company. (See Sieber, Ferdinand, assignor.)
General Electric Company. (See Smedley, James C., assignor.)
General Electric Company. (See Smith, Arthur R., assignor.)
General Electric Company. (See Smith, Buel, assignor.)
General Electric Company. (See Stack, George E., assignor.)
General Electric Company. (See Stearns and Hamilton, assignors.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Steinberg, Herbert E., assignor.)
General Electric Company. (See Steinmetz, Charles P., assignor.)
General Electric Company. (See Stuefer, Otto F., assignor.)
General Electric Company. (See Taylor, Edward, assignor.)
General Electric Company. (See Taylor, John B., assignor.)
General Electric Company. (See Thomson, Elihu, assignor.)
General Electric Company. (See Tripp, Charles K., assignor.)
General Electric Company. (See Tritle, John F., assignor.)
General Electric Company. (See Van Aller, Tycho, assignor.)
General Electric Company. (See Van Keuren, William L., assignor.)
General Electric Company. (See Ver Planck, William E., assignor.)
General Electric Company. (See Wagner and Laird, assignors.)
General Electric Company. (See Wagner, Paul, assignor.)
General Electric Company. (See Westendarp, Henry, O., assignor.)
General Electric Company. (See Whitaker, Frank P., assignor.)
General Electric Company. (See White, William C., assignor.)
General Electric Company. (See Whitney, Francis M., assignor.)
General Electric Company. (See Whitney, Laurence H., assignor.)
General Electric Company. (See Whitney, Willis R., assignor.)
General Electric Company. (See Wiard, John B., assignor.)
General Electric Company. (See Willard, Waldo W., assignor.)
General Electric Company. (See Wilkinson, James, assignor.)
General Electric Company. (See Winne, Roy E., assignor.)
General Electric Company. (See Winter, Fred H., assignor.)
General Electric Company. (See Wolff, Georg, assignor.)
General Electric Company. (See Wood, James J., assignor.)
General Electric Company. (See Woolley, Rew E., assignor.)
General Electric Company. (See Wright, Daniel K., assignor.)
General Electric Company. (See Wright, Gilbert, assignor.)
General Elevator Company. (See Fraser, Ethelbert M., assignor.)
General Engineering and Construction Company. (See Ashley and Byshe, assignors.)
General Engineering Company. (See Doble, Abner, assignor.)
General Engineering Company, The. (See Genter, Albert L., assignor.)
General Engineering Company, The. (See Hudson, William W., assignor.)
General Filtration Company. (See Beckley, Walter R., assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Fire Extinguisher Company. (See Swan, John P., assignor.)
General Fireproofing Company, The. (See Schaffert, Adolf H., assignor.)
General Fireproofing Company. (See White, Alexander P., assignor.)
General Fireproofing Company, The. (See White, Herbert E., assignor.)
General Indurating Corporation. (See Lander, Wintworth V., assignor.)
General Lead Batteries Company. (See Andreae, Edward F., assignor.)
General Motors Corporation. (See Bower, Ferdinand A., assignor.)
General Motors Corporation. (See De Waters, Enos A., assignor.)
General Motors Corporation. (See Heginbottom, Walter G., assignor.)
General Motors Company. (See Motherwell, Alexander A., assignor.)
General Motors Corporation. (See Pence, Lafe V., assignor.)
General Motors Corporation. (See Tresslar, Guy D., assignor.)
General Optical Company. (See Clement, Hans, assignor.)
General Paper Goods Manufacturing Co. (See Ekvall, Carl O., assignor.)
General Pressed Metal Company. (See Banes, Walter D., assignor.)
General Railway Signal Company. (See Burke, James, assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See Dodgson, Frank L., assignor.) (Reissue.)
General Railway Signal Company. (See Estwick, Charles F., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Railway Signal Company. (See Parsons, Eli B., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
General Railway Signal Company. (See Rekers, Gerret, assignor.)
General Railway Signal Company. (See Ross, Oscar A., assignor.)
General Reduction Gas and By-Products Company. (See Cox, Abraham B., assignor.)
General Reduction Gas and By-Products Company. (See Hornsey, John W., assignor.)
General Refrigeration Co., The. (See Merrill, Josiah L., assignor.)
General Research Laboratories. (See Moisant, Alfred J., assignor.)
General Transmission Company. (See Seibt, George, assignor.)
General Rubber Company. (See Slocum, Edward M., assignor.)
General Utility Power Company. (See Campbell and Heald.)
General Wire Tie Co. (See Warwick, Rogers M., assignor.)
General Wire Tie Company. (See Nessling, Edwin V., assignor.)
General Wire Tie Company. (See Warwick and Nessling, assignors.)

Alphabetical list of patentees—Continued.

Genero, Theodore, Websterville, Vt. Wear-compensating feed-screw for drills. No. 1,256,471; Feb. 12; v. 247; p. 437.
Geneva Tractor Company, The. (See Jacobs, George S., assignor.)
Genovese, Francesco, New York, N. Y. Macaroni-press. No. 1,280,438; Oct. 1; v. 255; p. 90.
Gensch, Hermann, assignor of one-half to A. J. Mills, Bonita, Ariz. Hat-retainer. No. 1,276,052; Aug. 20; v. 253; p. 535.
Genske, Herman J., Hilbert Junction, Wis. Thistle-puller. No. 1,288,559; Dec. 24; v. 257; p. 678.
Gensler, Edward J., Buffalo, N. Y. Automobile-signal. No. 1,267,538; May 28; v. 250; p. 824.
Gensley, Mary E., Davenport, Iowa. Shelf and rack construction. No. 1,286,280; Dec. 3; v. 257; p. 23.
Genter, Albert L., assignor of one-half to The General Engineering Company, Salt Lake City, Utah. Continuous thickening process. No. 1,263,226; Apr. 16; v. 249; p. 689.
Genter, Albert L., assignor of one-half to The General Engineering Company, Salt Lake City, Utah. Filtering process. No. 1,269,700; June 18; v. 251; p. 506.
Genter, Albert L., assignor to United Filters Corporation, Salt Lake City, Utah. Washing filter-cakes. No. 1,280,439; Oct. 1; v. 255; p. 91.
Gentes, Dan O. (See Gentes, Jacob J. and D. O.)
Gentes, Jacob J. and D. O., Miami, Okla. Slime separator and classifier. No. 1,251,500; Jan. 1; v. 246; p. 14.
Gentry, Arthur W. (See Fleak and Gentry.)
Gentry, George W., Holdenville, Okla. Guide-lever for riding-cultivators. No. 1,286,585; Dec. 3; v. 257; p. 98.
Gentry, Oliver H., Rochester, N. Y. Adjustable coat and hat rack. No. 1,270,936; July 2; v. 252; p. 52.
Gentzel, Nils, Newark, assignor to K. E. Olson & Son, Inc., Normandy Place, Irvington, N. J. Composition for making metallic leaf. No. 1,253,956; Jan. 15; v. 246; p. 791.
Geo. D. Bailey Co. (See Bailey, George D., assignor.)
Geo. E. Keith Company. (See Shaw, Nathaniel G., assignor.)
Geo. P. Ide & Co. (See Becker, Donald P., assignor.)
George, Anson, D'Arcy, Saskatchewan, Canada. Stooker. No. 1,257,993; Mar. 5; v. 248; p. 13.
Geoghegan, Edward A., Highland Park, Mich., assignor of one-half to W. Matthews, New York, N. Y. Steam-generator. No. 1,261,380; Apr. 2; v. 249; p. 111.
Geometric Tool Company, The. (See Metzger and Breitenstein, assignors.)
George Bray & Company. (See Bray, Arthur, assignor.)
George C. Clark Metal Last Co. (See Clark, George C., assignor.)
George Cutter Company. (See Ashinger, Herman H., assignor.)
George, Edgar C., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Core construction for electrical apparatus. No. 1,282,684; Oct. 22; v. 255; p. 799.
George, Frank C., and C. O. Williams, New Salem, Ind. Auxiliary fan attachment. No. 1,263,227; Apr. 16; v. 249; p. 690.
George, Frederick J. (See Scherer and George.)
George, Gabriel L. (See George, James C. and G. L.)
George H. Frothingham Co. (See Goss, Harry T., assignor.)
George H. Frothingham Co. (See Ogden and Prescott, assignors.)
George H. Frothingham Company. (See Prescott, Arthur T., assignor.)
George H. Frothingham Company. (See Tomkinson, Charles C., assignor.)
George H. Frothingham Company. (See Tomkinson and Prescott, assignors.)
George, James C. and G. L., Bristol, Va. Grate. No. 1,278,135; Sept. 10; v. 254; p. 244.
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill. No. 1,278,136; Sept. 10; v. 254; p. 244.
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill. No. 1,283,727; Nov. 5; v. 256; p. 75.
George, John H., assignor to Hawthorne Manufacturing Company, Inc., Bridgeport, Conn. Electrical connection. No. 1,273,056; July 16; v. 252; p. 706.
George, John W., Stroud Green, England. Rotary engine. No. 1,256,995; Feb. 19; v. 247; p. 628.
George, John W., Stroud Green, England. Rotary engine. No. 1,256,996; Feb. 19; v. 247; p. 629.
George, Louis F., *et al.* (See Webb, Henry R., Jr., assignor.)
George, Martha B., Indianapolis, Ind. Cooking utensil. No. 1,276,749; Aug. 27; v. 253; p. 765.
George, Ollie C., Chicago, Ill. Vehicle-repair stand. No. 1,254,794; Jan. 29; v. 246; p. 1084.
George P. Clark Company. (See Irrgang, William F., assignor.)
George, Ralph D., Kansas City, Mo. Transmission mechanism. No. 1,267,321; May 21; v. 250; p. 736.
George T. Johnson Company, The. (See Johnson, George T., assignor.)
George W. Dover, Incorporated. (See Peterson, Eric B., assignor.)
George W. Jackson New Marking Company. (See Jackson, George W., assignor.)
George W. Prentiss & Company. (See Prentiss, William A., assignor.)
George W. Smyth Lumber Company. (See Tenholder, Herman G., assignor.)
George, W. W. (See Berry, Harry J., assignor.)
George, William H., assignor to The Dexter Company, Fairfield, Iowa. Operating-gear for washing-machines. No. 1,253,023; Jan. 8; v. 246; p. 493.
George, William H., assignor to The Dexter Company, Fairfield, Iowa. Gearing. No. 1,253,024; Jan. 8; v. 246; p. 494.
Georgs-Marien-Bergwerks & Hütten-Verein A.-G. (See Viëtor, Alwin, assignor.)
Gepp, Herbert W. (See Clevenger, Galen H., assignor.)
Gerace, Gaetano, Timmins, Ontario, Canada. Disappearing gun. No. 1,276,518; Aug. 20; v. 253; p. 664.
Geraghty, Helen L., Ishpeming, Mich., assignor of one-third to O. J. Lidberg, Grand Rapids, Minn. Combined cap and hand-bag. No. 1,269,594; June 18; v. 251; p. 476.
Geraldine, Dion. (See Shurtleff, Wilfred, assignor.)
Gerard, Jules, assignor to Crank Shaft & Valve Movement Company, Green Bay, Wis. Mechanical movement. No. 1,286,281; Dec. 3; v. 257; p. 23.
Gerard, Julian M., New York, N. Y. Manufacture of carbon-black and lampblack. No. 1,278,137; Sept. 10; v. 254; p. 244.
Gerashshenevsky, Michel, New York, N. Y. Relief-map. No. 1,278,632; Sept. 10; v. 254; p. 377.
Gerber, James J. (See Cooley, Fred W., assignor.)
Gerbi, Frank, New York, N. Y. Sectional radiator. No. 1,282,213; Oct. 22; v. 255; p. 671.
Gercich, Frederick A., and J. J. Vaughn, assignors to Hammer-Bray Company, Oakland, Cal. Water-cooled refrigerator. No. 1,262,940; Apr. 16; v. 249; p. 608.
Gerdeman, Frank H., assignor to Star Tractor Company, Findlay, Ohio. Tractor. No. 1,255,404; Feb. 5; v. 247; p. 84.
Gerdes, Fred T., Rochester, Ind. Grain-car door. No. 1,274,159; July 30; v. 252; p. 1070.
Gerdom, Clarence, Fort Hancock, N. J., assignor to Ordnance Improvement Company, New York, N. Y. Smokeless-powder charge. No. 1,274,258; July 30; v. 252; p. 1098.
Gerer, Mary A., Denver, Colo. Bed-drapery fixture. No. 1,259,011; Mar. 12; v. 248; p. 349.
Gerhard, Karl F., Hatton, Wash. Cultivator. No. 1,265,902; May 14; v. 250; p. 313.
Gerhards, Joseph, Monongahela, Pa. Automatic-operated uncoupling apparatus for cars. No. 1,287,957; Dec. 17; v. 257; p. 504.
Gerhardt, Leonard, Arlington, assignor to Tin Decorating Company of Baltimore, Baltimore, Md. Container. No. 1,254,222; Jan. 22; v. 246; p. 888.
Gerhardt, Leonard, Arlington, assignor to Tin Decorating Company of Baltimore, Baltimore, Md. Sifter-container. No. 1,278,455; Sept. 10; v. 254; p. 328.
Gerits, Helen, Philadelphia, Pa. Hook member of hook-and-eye fastener. No. 1,282,066; Oct. 22; v. 255; p. 631.
Geritz, Claus P. (See Morrow and Geritz.)
Gerke, Jacob W., E. J. Braisted, and E. T. Kelleher, Flushing, N. Y.; said Gerke assignor to said Braisted and said Kelleher. Vacuum-ventilator for railway-car transoms. No. 1,289,152; Dec. 31; v. 257; p. 846.
Gerke, William H., St. Paul, Minn. Draft appliance. No. 1,271,563; July 9; v. 252; p. 260.
Gerken, Frederick, New York, N. Y. Spark-plug. No. 1,253,584; Jan. 15; v. 246; p. 686.
Gerken, Frederick, New York, N. Y. Spark-plug. No. 1,284,309; Nov. 12; v. 256; p. 259.
Gerlach, Conrad M., Brookline, Mass. Safety-razor kit. No. 1,261,733; Apr. 2; v. 249; p. 208.
Gerlach, Oscar, Philadelphia, Pa. Over-fire gas-consumer. No. 1,277,903; Sept. 3; v. 254; p. 158.
Germain Seed and Plant Company. (See Burns, Josiah O., assignor.)
German, Solomon, Halethorpe, Md. Corn-husking machine. No. 1,273,355; July 23; v. 252; p. 812.
Germann, Henry E. (See Maupin, Malcolm M., assignor.)
Germless Paper Cup Company, The. (See Klin, John R., assignor.)
Germond, Henry S., Jr. (See Boehck and Germond.)
Germond, Henry S., Jr., Bayonne, assignor to New York Revolving Portable Elevator Company, Jersey City, N. J. Hoisting mechanism. No. 1,277,712; Sept. 3; v. 254; p. 106.
Gerner, Harry, Hitterdal, Minn. Loader. No. 1,266,451; May 14; v. 250; p. 464.
Gerner, Joseph H., Lowville, N. Y. Rapid-fire battery-gun. No. 1,283,728; Nov. 5; v. 256; p. 76.
Gero, Victor, Philadelphia, Pa. Tuft-yarn frame for looms. No. 1,272,656; July 16; v. 252; p. 595.
Gerold, Walter, Milwaukee, Wis. Auxiliary air-supply device for internal-combustion engines. No. 1,268,112; June 4; v. 251; p. 13.

Gerosa, Anthony, New York, N. Y., assignor to Motor Development Company, Chicago, Ill. Lug for power-plant supports for motor-vehicles. No. 1,263,879; Apr. 23; v. 249; p. 888.
Gerow, William D., and F. O. Prusia, Detroit, Mich. Metallic vehicle-body. No. 1,271,697; July 9; v. 252; p. 298.
Gerow, William D., and F. O. Prusia, Detroit, Mich. Vehicle-body. No. 1,280,983; Oct. 8; v. 255; p. 265.
Gerpheide, Harold J., South Bend, Ind. Timer for gas-engines. No. 1,269,806; June 18; v. 251; p. 536.
Gerrard, Alec J., Seattle, Wash. Wire-stretcher. No. 1,277,305; Aug. 27; v. 253; p. 911.
Gerson, Nikolaus, assignor to A. Mecky Company, Philadelphia, Pa. Child's vehicle. No. 1,255,595; Feb. 5; v. 247; p. 140.
Gerstner, August, Brooklyn, N. Y. Non-skid device for automobiles, No. 1,256,221; Feb. 12; v. 247; p. 365.
Gervais, Joseph U., *et al.* (See Bergeron, Napoléon, assignor.)
Gervais, Wainwright B., assignor to Variety Manufacturing Company, Chicago, Ill. Fireproof door. No. 1,257,476; Feb. 26; v. 247; p. 802.
Gervais, Wainwright B., assignor to Variety Manufacturing Company, Chicago, Ill. Fire-door. No. 1,260,182; Mar. 19; v. 248; p. 712.
Gerwe, Henry J., assignor to French & Hecht, Davenport, Iowa. Metal wheel and making same. No. 1,258,403; Mar. 5; v. 248; p. 132.
Gerwig, Frederick H. N., Braddock, Pa. Cinder-runner for blast-furnaces. No. 1,286,991; Dec. 10; v. 257; p. 232.
Gesell, Carlos I., Mamaroneck, N. Y. Rust prevention. No. 1,269,926; June 18; v. 251; p. 568.
Gesell, Hans, Montclair, N. J. Method of coating paper and articles produced thereby. No. 1,277,904; Sept. 3; v. 254; p. 158.
Gesellschaft für drahtlose Telegraphie m. b. H. (See Arco and Meissner, assignors.)
Gesellschaft für Elektro-Osmose m. b. H. (See Schwerin, Botho, assignor.)
Gesellschaft für Verwertung Chemischer Produkts m. b. H. (See Meier and Rall, assignors.)
Gessler, Albert E., Staten Island, N. Y. Disazo coloring-matters and making the same. No. 1,281,938; Oct. 15; v. 255; p. 557.
Gest, Guion M. (See Masson, Charles, assignor.)
Getman, Benjamin L., assignor to Harley Company, Springfield, Mass. Valve. No. 1,261,509; Apr. 2; v. 249; p. 147.
Gettemy, Omar E., Monmouth, Ill. Playing-cards. No. 1,255,003; Jan. 29; v. 246; p. 1143.
Gettings, Daniel F. (See Barshaw and Gettings.)
Getz, John B., assignor to Getz Power Washer Co., Morton, Ill. Gearing for washing-machines. No. 1,254,133; Jan. 22; v. 246; p. 863.
Getz, Phares E., and C. Vaughn, Neosho, Mo. Mist-dampener. No. 1,261,803; Apr. 9; v. 249; p. 263.
Getz Power Washer Co. (See Getz, John B., assignor.)
Getz Power Washer Co. (See Paluska, Mathias, Jr., assignor.)
Geveke, William, New York, N. Y. Preserving bagasse, &c., and making fuel therefrom. No. 1,258,888; Mar. 12; v. 248; p. 312.
Geveke, William, New York, N. Y. Economic steam production in cane-sugar factories. No. 1,258,889; Mar. 12; v. 248; p. 312.
Gewirtz, Jonas. (See Moskowitz, Rudolph, assignor.)
Gewont, Andrew A., Detroit, Mich. Pneumatic-tool-driving device. No. 1,286,992; Dec. 10; v. 257; p. 232.
Geyer, John F., Philadelphia, Pa. Molding-machine. No. 1,277,405; Sept. 3; v. 254; p. 20.
Ghegan, John J., East Orange, N. J. Electric signaling apparatus. No. 1,275,902; Aug. 13; v. 253; p. 461.
Ghegan, John J., East Orange, N. J. Electric signaling apparatus. No. 1,275,903; Aug. 13; v. 253; p. 462.
Ghent, Alonzo, Helix, Oreg. Hoisting and handling machine. No. 1,267,756; May 28; v. 250; p. 885.
Ghent Manufacturing Company. (See Bot, William H., assignor.)
Ghio, Frederick, Bristol, assignor of one-tenth to J. Vaccario, New Britain, Conn. Type-writing telegraph system. No. 1,283,147; Oct. 29; v. 255; p. 954.
Gholson, John M. (See Harrison, Hall, and Gholson.)
Giaccone, Alexander, Brooklyn, N. Y. Thermostatic controller for signal apparatus. No. 1,287,667; Dec. 17; vol. 257; p. 431.
Giaccone, Joseph, Brooklyn, N. Y. Tobacco-pipe. No. 1,254,673; Jan. 29; v. 246; p. 1046.
Giallever, Attilio, S. Margherita Ligure, Italy. Explosion-pump. No. 1,285,678; Nov. 26; v. 256; p. 681.
Giannacopoulos, George J., Pittsburgh, Pa. Bridging device for railway-crossings. No. 1,259,729; Mar. 19; v. 248; p. 582.
Gianninoto, John, Brooklyn, N. Y. Burglar-proof sash-lock. No. 1,253,810; Jan. 15; v. 246; p. 750.
Giard, Fred W., Kennewick, Wash. Box form and stand. No. 1,279,324; Sept. 17; v. 254; p. 594.
Giardi, Tito, Rome, Italy. Automatic newspaper-distributer. No. 1,277,568; Sept. 3; v. 254; p. 65.
Giardino, Anthony, Brockton, Mass. Clasp. No. 1,274,160; July 30; v. 252; p. 1070.

Gibaut, Percy B., London, England. Holder for papers. No. 1,253,811; Jan. 15; v. 246; p. 750.
Gibb, John M. (See Fingler and Gibb.)
Gibbard, Henry T. (See Ingoldsby and Gibbard.)
Gibbins, Henry, executor. (See Gibbins, William G.)
Gibbins, William G., deceased, St. Louis, Mo., H. Gibbins executor. Fleshing-machine. No. 1,256,892; Feb. 19; v. 247; p. 598.
Gibbons, Alger E., Boston, Mass. Outlet-box. No. 1,257,955; Feb. 26; v. 247; p. 942.
Gibbons, James W., Boston, Mass. Measuring device. No. 1,269,595; June 18; v. 251; p. 476.
Gibbons, James W., Boston, Mass. Measuring device. No. 1,270,937; July 2; v. 252; p. 52.
Gibbons, James W., Boston, Mass. Rotary measuring device. No. 1,277,406; Sept. 3; v. 254; p. 21.
Gibbons, Michael J., New Orleans, assignor to Condiment Holder Company, Orleans county, La. Condiment-holder. No. 1,264,499; Apr. 30; v. 249; p. 1094.
Gibbons, William P., Cleveland, Ohio. Signaling device for automobiles. No. 1,287,668; Dec. 17; v. 257; p. 431.
Gibbons, Willis A., Flushing, N. Y., assignor to The Goodyear's India Rubber Glove Manufacturing Company. Process of forming aeroplane structural elements. No. 1,269,420; June 11; v. 251; p. 397.
Gibbons, Willis A., Flushing, N. Y., assignor to The India Rubber Company. Process for producing pigmented rubbers and products obtained thereby. No. 1,259,508; Mar. 19; v. 248; p. 520.
Gibbs, Alfred J., Hay Springs, Nebr. Push-rake attachment. No. 1,276,519; Aug. 20; v. 253; p. 665.
Gibbs, Bradford C., Pittsburgh, and H. P. Reiber, Wilkinsburg, Pa. Boiler-gage guard. No. 1,264,785; Apr. 30; v. 249; p. 1171.
Gibbs, Charles, New York, and J. O. Seifert, Brooklyn, N. Y. Coin-deposit receptacle. No. 1,260,364; Mar. 26; v. 248; p. 799.
Gibbs, Charles W. (See Hobbs and Gibbs.)
Gibbs, Edward F. G., Washington, D. C. Cutting-off tool. No. 1,266,116; May 14; v. 250; p. 374.
Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Roller-bearing wheel and means for attaching same to axle. No. 1,256,483; Feb. 12; v. 247; p. 441.
Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Mine-car wheel and axle. No. 1,256,484; Feb. 12; v. 247; p. 441.
Gibbs, Harry D., San Francisco, Cal. Oxidizing the side chains of aromatic hydrocarbons. No. 1,284,887; Nov. 12; v. 256; p. 404.
Gibbs, Harry D. (See Lewis and Gibbs.)
Gibbs, Harry D., San Francisco, Cal., and C. Conover, Philadelphia, Pa. Manufacture of phthalic anhydrid, phthalic acid, benzoic acid, and naphthaquinones. No. 1,284,888; Nov. 12; v. 256; p. 404.
Gibbs, Harry D., San Francisco, Cal., and C. Conover, Philadelphia, Pa. Manufacture of phthalic anhydrid, phthalic acid, benzoic acid, and naphthaquinones. No. 1,285,117; Nov. 19; v. 256; p. 500.
Gibbs-Inman Company. (See Gibbs, James D., assignor.)
Gibbs, James D., assignor to Gibbs-Inman Company, Louisville, Ky. Railway-pass. No. 1,274,032; July 30; v. 252; p. 1034.
Gibbs, Walter A., Wilmington, Del. Animal-trap. No. 1,269,596; June 18; v. 251; p. 476.
Gibbs, Walter A., Wilmington, Del. Machine for attaching fasteners to cords. No. 1,278,138; Sept. 10; v. 254; p. 245.
Gibbs, William J., assignor to Marshall Field & Company, Chicago, Ill. Shoe-fitting device. No. 1,286,586; Dec. 3; v. 257; p. 98.
Giberson, William T., Toms River, N. J. Reclining-chair. No. 1,287,958; Dec. 17; v. 257; p. 504.
Giberson, William T., Toms River, N. J. Car-door hanger. No. 1,287,959; Dec. 17; v. 257; p. 504.
Gibford, Edward B., Adrian, Mich., assignor to Pike Manufacturing Co., Pike, N. H. Combination razor hone and strop. No. 1,257,078; Feb. 19; v. 247; p. 651.
Gibson, Adam M., Chicago, Ill. Carbureter. No. 1,286,282; Dec. 3; v. 257; p. 24.
Gibson, Albert T., Chicago, Ill., assignor to United States Spot Ground Corporation, Omaha, Nebr. Floor and wall screed-anchors. No. 1,270,405; June 25; v. 251; p. 723.
Gibson, Alexander, Rosebrook, via Port Fairy, assignor of one-half to D. Gibson, Melbourne, Victoria, Australia. Thimble. No. 1,255,004; Jan. 29; v. 246; p. 1144.
Gibson, Alfred, assignor to A. Gibson, Boston, Mass. Window-cleaner. No. 1,259,092; Mar. 12; v. 248; p. 371.
Gibson, Andrew. (See Gibson, Alfred, assignor.)
Gibson, Angus H. (See Roberts and Gibson.)
Gibson Art Company, The. (See Hart, Henry A., assignor.)
Gibson, Arthur E., *et al.* (See Smith, Voorhees G., assignor.)
Gibson, Arthur L. and W. P., and W. H. Ross, Twickenham, England. Rolling fire-shutter, partition, or the like. No. 1,255,817; Feb. 5; v. 247; p. 203.
Gibson, Charles R., *et al.* (See Baumgardner, Frank J., assignor.)

Gibson, David. (See Gibson, Alexander, assignor.)
Gibson, Donald L., Delton, Wis. Parcel-post scale. No. 1,254,495; Jan. 22; v. 246; p. 966.
Gibson, Edward, Jersey City, N. J. Irrigation-valve. No. 1,279,857; Sept. 24; v. 254; p. 767.
Gibson, Edward T., Brooklyn, N. Y. Copy-holder. No. 1,284,889; Nov. 12; v. 256; p. 404.
Gibson, Evan, Foxhome, Minn. Railway-signal. No. 1,266,452; May 14; v. 250; p. 464.
Gibson, Frederick J., Oakland, Cal. Amusement device. No. 1,272,250; July 9; v. 252; p. 453.
Gibson, George H. (See Bancel, Paul A., assignor.)
Gibson, George H., Montclair, N. J. Method of and apparatus for heat determination. No. 1,267,757; May 28; v. 250; p. 885.
Gibson, George H., Montclair, N. J. Method of and apparatus for heat determination. No. 1,267,758; May 28; v. 250; p. 886.
Gibson, Harvey V., Peoria, Ill. Clutch. No. 1,270,721 June 25; v. 251; p. 807.
Gibson, Harvey V., Peoria, Ill. Clutch. No. 1,282,808; Oct. 29; v. 255; p. 861.
Gibson, Henry A., Winnipeg, Manitoba, Canada. Plant-protector. No. 1,257,477; Feb. 26; v. 247; p. 802.
Gibson, Hutton. (See Hribar and Gibson.)
Gibson, James S., Chicago, Ill. Wire-fence fastener. No. 1,264,384; Apr. 30; v. 249; p. 1061.
Gibson, Joseph L., Portland, Oreg. Framing-protractor. No. 1,264,633; Apr. 30; v. 249; p. 1131.
Gibson, Katharine E. (See Hardy and Gibson.)
Gibson, Robert A., Buffalo, N. Y. Piston-ring for hydrocarbon-engines. No. 1,280,708; Oct. 8; v. 255; p. 190.
Gibson, Robert L., Philadelphia, Pa. Stylus. No. 1,260,365; Mar. 26; v. 248; p. 799.
Gibson, William A., assignor to W. E. Hearst, Peoria, Ill. Feed-water heater. No. 1,259,615; Mar. 19; v. 248; p. 550.
Gibson, William P. (See Gibson and Ross.)
Gichner, Frederick S., Washington, D. C. Game apparatus. No. 1,273,847; July 30; v. 252; p. 982.
Giclas, Louis, Washington, D. C. Receiver for milk-bottles and the like. No. 1,276,750; Aug. 27; v. 253; p. 765.
Gidcumb, John T., Dallas, Tex. Railway cattle-guard. No. 1,254,322; Jan. 22; v. 246; p. 917.
Gidden, William T. (See Hunt and Gidden.) (Reissue.)
Giddens, Perry G., and C. M. Bass, Columbus, Ga. Inner-tube armor for pneumatic tires. No. 1,263,054; Apr. 16; v. 249; p. 641.
Giddings, James W., Phoenix, Ariz. Staple-tape. No. 1,289,727; Dec. 31; v. 257; p. 988.
Gieda, Jozef, Wilkes-Barre, Pa. Pocket-bomb. No. 1,281,939; Oct. 15; v. 255; p. 557.
Gielow, Herman, Palatine, Ill. Fruit-picker. No. 1,255,596; Feb. 5; v. 247; p. 140.
Giemsa, Gustav. (See Ach, Rothmann, and Giemsa.)
Gieracki, Wladyslaw, Avon, Conn. Life-saving suit. No. 1,253,370; Jan. 15; v. 246; p. 625.
Gieratz, Charles, assignor to Protective Board Company, Milwaukee, Wis. Punch-board. No. 1,270,509; June 25; v. 251; p. 753.
Gierding, Charles E., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-retriever. No. 1,262,037; Apr. 9; v. 249; p. 325.
Giern, James B., and A. P. Anholtt, Detroit, Mich. Center-finder. No. 1,253,680; Jan. 15; v. 246; p. 714.
Giersdorf, Edward L., and W. E. Farmer, Monroe, Nebr. Preheater. No. 1,273,767; July 23; v. 252; p. 921.
Giesberg, Adolf. (See Moore, Charles F., assignor.)
Giese, Adolph. (See Rummerfield, Joseph R., assignor.)
Giese, Ernest. (See Gray, Wedge, and Giese.)
Giese, William A., Edgar, Wis. Cushioned wheel. No. 1,262,941; Apr. 16; v. 249; p. 609.
Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Cooling system for internal-combustion engines. No. 1,286,993; Dec. 10; v. 257; p. 233.
Giesman, Harry L. (See Ebner and Giesman.)
Giffin, Howard, *et al.* (See Cobb, Bayard G., assignor.)
Gifford, Bert L., assignor to Gifford Manufacturing Company, Barker, N. Y. Sprinkling or spraying device. No. 1,255,405; Feb. 5; v. 247; p. 84.
Gifford, Charles M., New Bedford, Mass. Valve. No. 1,278,905; Sept. 17; v. 254; p. 481.
Gifford, Cyrus P., assignor of two-thirds to W. A. Karle, Erie, Pa. Educational device. No. 1,256,997; Feb. 19; v. 247; p. 629.
Gifford, George B., Jr., Bayonne, N. J. Heat-absorbing system for internal-combustion engines. No. 1,261,734; Apr. 2; v. 249; p. 208.
Gifford, James M. (See Grieve, Thomas, assignor.)
Gifford, John C. (See Amans and Gifford.)
Gifford Manufacturing Company. (See Gifford, Bert L., assignor.)
Gifford, Roy C., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Measured-service telephone system. No. 1,281,251; Oct. 8; v. 255; p. 340.
Gifford-Wood Company. (See Erdman, George, assignor.)
Giglio, Peter, New York, N. Y. Holding device for vibrators. No. 1,269,421; June 11; v. 251; p. 397.
Gilberg, Charles G., Rockford, Ill. Pneumatic action. No. 1,251,501; Jan. 1; v. 246; p. 14.
Gilberg, Charles G., Rockford, Ill. Device for aiding wounded or injured persons. No. 1,252,260; Jan. 1; v. 246; p. 236.
Gilberg, Charles G., Chicago, Ill. Tracking device for music-sheets and the like. No. 1,272,793; July 16; v. 252; p. 633.
Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy wheel. No. 1,259,616; Mar. 19; v. 248; p. 550.
Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy column or girder. No. 1,260,366; Mar. 26; v. 248; p. 800.
Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building element. No. 1,261,019; Apr. 2; v. 249; p. 8.
Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building construction. No. 1,270,812; July 2; v. 252; p. 16.
Gilbert, Alfred J., Hartford, Conn. Can-filling machine. No. 1,284,310; Nov. 12; v. 256; p. 259.
Gilbert, Alton E., Tulsa, Okla. Well-rod coupling. No. 1,255,406; Feb. 5; v. 247; p. 85.
Gilbert, Arthur D., Lost Cabin, Wyo. Fish-hook. No. 1,259,390; Mar. 12; v. 248; p. 455.
Gilbert, Arthur D., Dunseith, N. D. Pipe. No. 1,276,751; Aug. 27; v. 253; p. 765.
Gilbert & Barker Manufacturing Company. (See Boyle, William P., assignor.)
Gilbert & Barker Manufacturing Company. (See Davis, Henderson G., assignor.)
Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)
Gilbert, Charles, Chicago, Ill. Fender. No. 1,274,705; Aug. 6; v. 253; p. 104.
Gilbert, Charles A., New York, N. Y. Manufacture of moving-picture films. No. 1,279,099; Sept. 17; v. 254; p. 533.
Gilbert, Clara A., *et al.*, executors. (See Gilbert, Edmund D.)
Gilbert, Edmund D., deceased; C. A. Gilbert and J. D. Lodge, executors, Philadelphia, Pa. Blow-torch. No. 1,277,905; Sept. 3; v. 254; p. 158.
Gilbert, Frank B., Chicago, Ill. Testing apparatus. No. 1,282,409; Oct. 22; v. 255; p. 725.
Gilbert, Frederick, Edgbaston, Birmingham, England. Bronzing apparatus. No. 1,266,453; May 14; v. 250; p. 464.
Gilbert, Henry F., Delhi, N. Y. Clothes-pin. No. 1,268,708; June 4; v. 251; p. 181.
Gilbert, Henry J., Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill. Washboard. No. 1,283,148; Oct. 29; v. 255; p. 954.
Gilbert, John H. (See Peak, Edwin, assignor.)
Gilbert, John H., Plant City, Fla. Staple. No. 1,257,840; Feb. 26; v. 247; p. 911.
Gilbert, John W., assignor of one-half to D. H. Parker, Windsor, Vt. Hardening steel. No. 1,275,242; Aug. 13; v. 253; p. 279.
Gilbert, Lewis R., New York, N. Y., assignor to G. R. Webb, Baltimore, Md. Automatically-acting multiple-record-supporting table. No. 1,269,175; June 11; v. 251; p. 329.
Gilbert & Parker Manufacturing Company. (See Roberts, George C., assignor.)
Gilbert, Samuel E., Portland, Oreg. Automobile traffic-signal. No. 1,266,454; May 14; v. 250; p. 464.
Gilbert Shade Holder Company, The. (See Moorman, Benjamin F., assignor.)
Gilbert, William. (See Colborn, George L., assignor.)
Gilbert, William O., Omaha, Nebr. Shock-absorber. No. 1,254,674; Jan. 29; v. 246; p. 1046.
Gilbert, William O., Omaha, Nebr. Shock-absorber. No. 1,254,675; Jan. 29; v. 246; p. 1046.
Gilbertson, Edward C., Norma, N. D. Wire-stretcher. No. 1,269,072; June 11; v. 251; p. 302.
Gilbertson, Ole O., Hayfield, Minn. Hay-loader. No. 1,283,494; Nov. 5; v. 256; p. 16.
Gilbertie, John S., Westport, Conn. Lawn-mower. No. 1,261,020; Apr. 2; v. 249; p. 9.
Gilborne, Seth S., assignor of one-half to F. G. Huntington, Aberdeen, S. D. Pipe-line holder. No. 1,277,906; Sept. 3; v. 254; p. 159.
Gilbough, Benjamin G., Los Angeles, Cal. Automobile-lock. No. 1,261,226; Apr. 2; v. 249; p. 65.
Gilchreest, James M. and E. F. Graham, Denver, Colo. Automobile-signal. No. 1,274,259; July 30; v. 252; p. 1098.
Gilchrist, James H., *et al.* (See Mettlin, Thomas E., assignor.)
Gilda, John R., assignor to Pullman Couch Company, Chicago, Ill. Convertible furniture. No. 1,260,367; Mar. 26; v. 248; p. 800.
Gilda, John R., assignor to Pullman Couch Company, Chicago, Ill. Convertible furniture. No. 1,274,532; Aug. 6; v. 253; p. 56.
Gilday, William A., Philadelphia, Pa. Antisubmarine. No. 1,267,539; May 28; v. 250; p. 824.
Gildea, James F., Chicago, Ill. Sprinkling apparatus. No. 1,260,764; Mar. 26; v. 248; p. 918.

Gildemeyer, Charles A., Minersville, Pa. Automobile-tire. No. 1,264,500; Apr. 30; v. 249; p. 1094.
Gildersleeve, Fred A., and W. L. Trice, Waco, Tex. Film-actuating mechanism for motion-picture cameras. No. 1,260,891; Mar. 26; v. 248; p. 950.
Gildersleeve, Howard W., San Francisco, Cal. Two-cycle engine. No. 1,259,391; Mar. 12; v. 248; p. 455.
Giles, Ellsworth F., Altoona, Pa. Brake-timing attachment for talking-machines. No. 1,274,706; Aug. 6; v. 253; p. 105.
Giles Engineering Company. (See Giles, Herbert H., assignor.)
Giles, Georges, Fribourg, Switzerland. Industrial electrical capacity-battery. No. 1,255,597; Feb. 5; v. 247; p. 140.
Giles, Herbert H., Brooklyn, assignor to Giles Engineering Company, New York, N. Y. Pneumatic vehicle-spring. No. 1,289,728; Dec. 31; v. 257; p. 988.
Giles, Robert T., and P. W. Kinsella, Chicago, Ill. Ventilator. No. 1,265,191; May 7; v. 250; p. 89.
Giles, William, assignor to A. T. Ferrell & Co., Saginaw, Mich. Tool-holder for key-seating machines. No. 1,279,325; Sept. 17; v. 254; p. 594.
Gilfillan, Sherman L., Minneapolis, Minn. Card-selecting apparatus for card systems. No. 1,251,502; Jan. 1; v. 246; p. 15.
Giliberti, Pasquale, New York, N. Y. Driving mechanism. No. 1,262,772; Apr. 16; v. 249; p. 561.
Gill Brothers Company. (See Beiswanger, John, assignor.) (Reissue.)
Gill, Frederic W., Arlington, N. J., assignor to General Electric Company. Manufacture of incandescent lamps. No. 1,284,648; Nov. 12; v. 256; p. 342.
Gill, George A., Detroit, Mich. Gate. No. 1,289,438; Dec. 31; v. 257; p. 919.
Gill, John, South Danbury, N. H. Lamp-burner. No. 1,285,118; Nov. 19; v. 256; p. 500.
Gill, John H., Yonkers, N. Y. Spark-plug. No. 1,273,476; July 23; v. 252; p. 845.
Gill, John O., Barnesboro, Pa. Electric-light fixture. No. 1,270,025; June 18; v. 251; p. 595.
Gill, Joseph, Summer Bridge, Dacre, England. Machinery for the manufacture of laid cords and ropes. No. 1,269,533; June 11; v. 251; p. 427.
Gill, Lewis W., assignor to General Container Corporation, New York, N. Y. Paper-cylinder manufacture. No. 1,253,371; Jan. 15; v. 246; p. 625.
Gill, Willis H., Grandview, Wash. Spray-pole. No. 1,268,709; June 4; v. 251; p. 181.
Gillam, Joseph E., Salt Lake City, Utah. Mop-wringer. No. 1,273,768; July 23; v. 252; p. 921.
Gillam, Samuel G., *et al.* (See Gearhart and Lloyd, assignors.)
Gillan, Joseph D., assignor to Warwick Sterling Company, Providence, R. I. Buckle. No. 1,262,773; Apr. 16; v. 249; p. 561.
Gillaspy, George, Joplin, Mo. Electric-motor construction. No. 1,267,210; May 21; v. 250; p. 708.
Gillen, W. E., *et al.* (See Sartain, Louis M., assignor.)
Gilles, Pierre P., Springfield, Mass. Fuel-feeding device for carbureters. No. 1,255,306; Feb. 5; v. 247; p. 54.
Gilles, Pierre P., Springfield, Mass. Carbureter. No. 1,269,176; June 11; v. 251; p. 329.
Gilles, Pierre P., Springfield, Mass. Carbureter. No. 1,269,177; June 11; v. 251; p. 329.
Gilles, Pierre P., Springfield, Mass. Carbureter. No. 1,279,100; Sept. 17; v. 254; p. 533.
Gillespie, Alan K., assignor to Brecht Company, St. Louis, Mo. Refrigerator. No. 1,252,565; Jan. 8; v. 246; p. 360.
Gillespie, Charles H., assignor, by mesne assignments, to Maxrite Carburetor Company, Bement, Ill. Carbureter. No. 1,279,326; Sept. 17; v. 254; p. 594.
Gillespie, Harvey M., assignor to The P. & M. Company, Chicago, Ill. Rail-anchor. No. 1,273,848; July 30; v. 252; p. 982.
Gillespie, John J., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Grinding-machine. No. 1,268,341; June 4; v. 251; p. 77.
Gillespie, King W., Lincoln, Nebr. Body-hoist. No. 1,277,907; Sept. 3; v. 254; p. 159.
Gillespie, Samuel G., Charleston, W. Va. Shield for air-tubes of pneumatic tires. No. 1,278,139; Sept. 10; v. 254; p. 245.
Gillespie, Samuel G., Charleston, W. Va. Water-basin stopple. No. 1,283,149; Oct. 29; v. 255; p. 955.
Gillespie, Solomon E., Dallas, Tex. Boll-breaker and cotton-cleaner. No. 1,285,119; Nov. 19; v. 256; p. 501.
Gillett, David C., Tampa, Fla. Apparatus for preserving organic materials by the use of X-rays. No. 1,275,417; Aug. 13; v. 253; p. 327.
Gillett, Eugene, Long Beach, Cal. Extensible crutch. No. 1,285,120; Nov. 19; v. 256; p. 501.
Gillette, Amos H., assignor to W. J. Simons, Atlantic City, N. J., and F. M. Simons, New York, N. Y. Combination vehicle-top. No. 1,260,183; Mar. 19; v. 248; p. 712.
Gillette, Amos H., assignor to F. M. Simons and W. J. Simons, Atlantic City, N. J. Combination vehicle-top. No. 1,269,073; June 11; v. 251; p. 302.
Gillette, George T., Los Angeles, Cal. Fire-extinguishing apparatus. No. 1,277,908; Sept. 3; v. 254; p. 159.
Gillette, Hallock N. (See Frankenberger and Gillette.)
Gillette, Herbert B. (See Cole and Gillette.)
Gillette, Isaac W., Lewiston, Idaho. Valve for train-pipes. No. 1,270,722; June 25; v. 251; p. 808.
Gillette, John C., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Apparatus for securing binding-posts to electrodes. No. 1,287,669; Dec. 17; v. 257; p. 432.
Gillette Motors Company. (See Williams, Martin L., assignor.)
Gillette Safety Razor Company. (See Nickerson, William E., assignor.)
Gillette-Vibber Co., The. (See Vibber, Wheeler H., assignor.)
Gilliam, Erastus N., Winchester, Ill. Stanchion. No. 1,282,214; Oct. 22; v. 255; p. 671.
Gilliam Manufacturing Company, The. (See Miller, George L., assignor.)
Gilliam Manufacturing Company, The. (See White, Harry B., assignor.)
Gilliland, Elijah P., Norwood, Mass. Treating leather. No. 1,265,648; May 7; v. 250; p. 210.
Gilliland, Orra L., Summit, S. D., assignor to National Shock Loader Co., Minneapolis, Minn. Loader. No. 1,272,419; July 16; v. 252; p. 527.
Gilling, Preston E., East Orange, N. J., assignor to A. Schrader's Son, Brooklyn, N. Y. Pressure-gage. No. 1,276,899; Aug. 27; v. 253; p. 803.
Gillis, Julius H., assignor to British America Nickel Corporation Limited, Toronto, Ontario, Canada. Anode-connector. No. 1,267,653; May 28; v. 250; p. 857.
Gillis, Julius H., assignor to Anaconda Copper Mining Company, Anaconda, Mont. Conductor-bar. No. 1,276,208; Aug. 20; v. 253; p. 579.
Gilliam Process Company, The. (See Gilliam, Robert L., assignor.)
Gilliam, Robert L., assignor to The Gilliam Process Company, Columbus, Ohio. Treating wood. No. 1,283,495; Nov. 5; v. 256; p. 16.
Gilliard, Ernest T., Hanover, Pa. Valve-gear. No. 1,284,311; Nov. 12; v. 256; p. 260.
Gillies, James H., and P. M., East Camberwell, Victoria, Australia. Treatment of zinkiferous ores. No. 1,262,190; Apr. 9; v. 249; p. 368.
Gillies, Percy M. (See Gillies, James H. and P. M.)
Gilligan, John M., Rockville, Ind. Belt-buckle. No. 1,257,841; Feb. 26; v. 247; p. 911.
Gillis & Geoghegan. (See Hooker, Edward D., assignor.)
Gillis, Julius H., assignor to British America Nickel Corporation Limited, Toronto, Ontario, Canada. Recovering metals from alloys. No. 1,260,661; Mar. 26; v. 248; p. 887.
Gilman, George H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Combined chuck and drill extractor. No. 1,175,164; Aug. 6; v. 253; p. 232.
Gilman, George H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Drilling-machine. No. 1,252,374; Jan. 1; v. 246; p. 269.
Gilman, George H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Drilling apparatus. No. 1,252,375; Jan. 1; v. 246; p. 269.
Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Drilling apparatus. No. 1,279,532; Sept. 24; v. 254; p. 673.
Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Feed-controlling device. No. 1,285,980; Nov. 26; v. 256; p. 758.
Gilman, George H., assignor to Sullivan Machinery Company, Claremont, N. H. Drilling holes. No. 1,286,994; Dec. 10; v. 257; p. 233.
Gilman, John H., assignor to King & Hamilton Company, Ottawa, Ill. Elevator. No. 1,281,342; Oct. 15; v. 255; p. 397.
Gilman, Joseph T., New York, N. Y., assignor, by mesne assignments, to Goodwin Car & Mfg. Company, Inc., Wilmington, Del. Valved dumping-car. No. 1,289,153; Dec. 31; v. 257; p. 846.
Gilman, Myron A., Westfield, Mass. Educational toy. No. 1,276,344; Aug. 20; v. 253; p. 615.
Gilman, Ralph E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,262,774; Apr. 16; v. 249; p. 561.
Gilman, Ralph E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbo end bell. No. 1,272,420; July 16; v. 252; p. 527.
Gilmer, James S., Knoxville, Tenn. Painting apparatus. No. 1,252,103; Jan. 1; v. 246; p. 194.
Gilmer, Ludwell H., assignor to L. H. Gilmer Co., Philadelphia, Pa. Laminated fabric. No. 1,266,789; May 21; v. 250; p. 590.
Gillmor, Horatio G., Washington, D. C. Rail-anchor. No. 1,254,134; Jan. 22; v. 246; p. 864.
Gillmor, Horatio G., Washington, D. C. Anticreeper for rails. No. 1,257,994; Mar. 5; v. 248; p. 13.
Gillmor, Horatio G., Washington, D. C. Rail-anchor. No. 1,261,119; Apr. 2; v. 249; p. 36.

Alphabetical list of patentees—Continued.

Gillmor, Horatio G., Washington, D. C. Anticreeper for rails. No. 1,268,958; June 11; v. 251; p. 269.
Gillmor, Horatio G., Washington, D. C. Rail-anchor. No. 1,278,633; Sept. 10; v. 254; p. 377.
Gillmor, Horatio G., Washington, D. C. Anticreeping device for rails. No. 1,281,341; Oct. 15; v. 255; p. 397.
Gilmore, George D., Los Angeles, Cal. Combination theft-notice and illuminated license-plate. No. 1,283,150; Oct. 29; v. 255; p. 955.
Gilmore, Millard, Chicago, Ill. Elevator fire-door. No. 1,265,075; May 7; v. 250; p. 57.
Gilpin, Garth G., Riverside, assignor of one-half to C. B. Young, Aurora, Ill. Ventilator. No. 1,264,291; Apr. 30; v. 249; p. 1035.
Gilpin, V. C., *et al.* (See Forsyth, Joseph C., assignor.)
Gilroy, Frank J., Buffalo, N. Y. Car-door. No. 1,255,154; Feb. 5; v. 247; p. 12.
Gilroy, James H., Newark, N. J. Umbrella ring and marker. No. 1,279,327; Sept. 17; v. 254; p. 594.
Gilson, Anna K., Quechee, Vt. Hand-rake. No. 1,267,654; May 28; v. 250; p. 857.
Gilson, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-blade. No. 1,283,496; Nov. 5; v. 256; p. 16.
Gilson, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blade construction. No. 1,284,088; Nov. 5; v. 256; p. 171.
Gilson, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shrouding blades. No. 1,286,283; Dec. 3; v. 257; p. 24.
Gilson, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blade. No. 1,286,284; Dec. 3; v. 257; p. 24.
Gilson, Edward L. (See Stoner and Gilson.)
Gilson, Henry R. (See Hubbard and Gilson.)
Gilson, J. H., *et al.* (See McCue, Leo, assignor.)
Gilson Manufacturing Co. (See Travers, Charles J., assignor.)
Gilson Manufacturing Company. (See Michels, Christoph J., assignor.)
Gilson, Robert M., Pittsburgh, and F. H. Nicholson, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-signal. No. 1,258,404; Mar. 5; v. 248; p. 132.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-control apparatus. No. 1,261,510; Apr. 2; v. 249; p. 147.
Gilstrap, Edward N. (See Whited and Gilstrap.)
Ginaca, Camille A. J., Hornitos, Cal. Belt-fastener. No. 1,268,451; June 4; v. 251; p. 109.
Gindele, Harrison, Cincinnati, Ohio. Preparing photographic-film cartridges. No. 1,251,766; Jan. 1; v. 246; p. 97.
Gindele, Harrison, Cincinnati, Ohio. Developing apparatus. No. 1,256,893; Feb. 19; v. 247; p. 598.
Gindele, Harrison, Cincinnati, Ohio. Focusing-hood. No. 1,261,919; Apr. 9; v. 249; p. 293.
Gindrat, Louis R., assignor to The Cigar Machine Corporation of America, Baltimore, Md. Cigar-filler cutter and charging mechanism. No. 1,281,343; Oct. 15; v. 255; p. 397.
Gindrat, Louis R., assignor to The Cigar Machine Corporation of America, Baltimore, Md. Cigar-bunching machine. No. 1,281,344; Oct. 15; v. 255; p. 398.
Ginevra Macaroni Mold Company. (See Tanzi, Guido, assignor.)
Gingrich, Victor N., Hershey, Pa. Detachable rim. No. 1,259,974; Mar. 19; v. 248; p. 656.
Ginley, Patrick J., Pittston, Pa. Chain-tightener. No. 1,283,729; Nov. 5; v. 256; p. 76.
Ginsberg, Abraham H. (See La Rose and Ginsberg.)
Ginsberg, William E., Bridgeport, Conn. Tool-holder. No. 1,266,249; May 14; v. 250; p. 411.
Giolitti, Federico, Turin, assignor to Società Anonima Italiana, Gio. Ansaldo & C., Genoa, Italy. Heat treatment of castings of spcial steels. No. 1,279,533; Sept. 24; v. 254; p. 673.
Gipe, Harrison S., Hershey, Pa. Machine for covering the tops and bottoms of boxes. No. 1,289,729; Dec. 31; v. 257; p. 988.
Girard, Antoine L., Sterling Junction, assignor of one-half to D. A. Upham, Worcester, Mass. Toy. No. 1,266,790; May 21; v. 250; p. 590.
Girardet, Armand, Yverdon, Switzerland. Plug-cock for conduits of elastic fluids under pressure. No. 1,289,730; Dec. 31; v. 257; p. 989.
Girl, Christian, Cleveland, Ohio., and T. J. Fay, Brooklyn, N. Y., assignors, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Process and apparatus for making springs. No. 1,258,762; Mar. 12; v. 248; p. 275.
Girling, William J., and E. C. Schwab, assignors to Phoenix Knitting Works, Milwaukee, Wis. Knitted glove and making same. No. 1,260,368; Mar. 26; v. 248; p. 801.
Girtanner, Alexander, New York, N. Y., assignor to American Steam Conveyor Corporation, Chicago, Ill. Ash-conveyer. No. 1,272,794; July 16; v. 252; p. 634.
Girtanner, Alexander, and R. H. Miller, St. Louis, Mo., assignors, by mesne assignments, to American Steam Conveyor Corporation, Chicago, Ill. Ash-conveyer system. No. 1,273,849; July 30; v. 252; p. 982.
Girtanner, Alexander, and R. H. Miller, St. Louis, Mo., assignors, by mesne assignments, to American Steam Conveyor Corporation, Chicago, Ill. Discharge apparatus for ash-conveyers. No. 1,275,015; Aug. 6; v. 253; p. 191.
Girtanner, Alexander, New York, N. Y., and R. H. Miller, St. Louis, Mo., assignors to American Steam Conveyor Corporation, Chicago, Ill. Sectional elbow for ash-conveyers. No. 1,289,154; Dec. 31; v. 257; p. 847.
Girvan, Charles S., White Plains, assignor to L. S. Jackson, New York, N. Y. Bolt-anchor, blank therefor, and making same. No. 1,286,285; Dec. 3; v. 257; p. 24.
Girvan, Howard D., Beaver Falls, Pa. Internal-combustion engine. No. 1,266,676; May 21; v. 250; p. 558.
Girvin, Charles W., assignor of one-tenth to V. G. Scott, Philadelphia, Pa., and one-tenth to H. G. Seitz, New York, N. Y. Electrical precipitation of particles from fluid streams. No. 1,252,104; Jan. 1; v. 246; p. 195.
Girvin, Charles W., Philadelphia, Pa., assignor to Girvin Electrical Development Company, Ltd., Honolulu, Hawaii. Direct-current apparatus. No. 1,286,587; Dec. 3; v. 257; p. 99.
Girvin Electrical Development Company. (See Girvin, Charles W., assignor.)
Girvin, Fitzhugh B., and C. P. Brady, Georgetown, Tex. Fly-catcher. No. 1,258,763; Mar. 12; v. 248; p. 275.
Gisser, Isidor, Brooklyn, N. Y. Lock. No. 1,267,860; May 28; v. 250; p. 917.
Gist, William V., Sparta, Tenn. Planter. No. 1,276,900; Aug. 27; v. 253; p. 803.
Giuffrè, Carlo, Detroit, Mich. Safety-gate. No. 1,275,418; Aug. 13; v. 253; p. 327.
Giulini, Georg, Lazzago, near Como, Italy. Production of aluminium. No. 1,257,995; Mar. 5; v. 248; p. 13.
Given, Guy C., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Producing ammonium perchlorate. No. 1,273,477; July 23; v. 252; p. 845.
Givens, James, *et al.* (See Sartain, Louis M., assignor.)
Givens, Robert J., Enterprise, Idaho. Protector for the timers of explosive-engines. No. 1,256,472; Feb. 12; v. 247; p. 438.
Givler, Linnie L., Castle Rock, Mont. Tire. No. 1,258,108; Mar. 5; v. 248; p. 47.
Givler, Margaret and R. C., Seattle, Wash. Photographic camera. No. 1,271,156; July 2; v. 252; p. 113.
Givler, Robert C. (See Givler, Margaret and R. C.)
Gjuke, Georg E., Stockholm, Sweden. Water-motor for rock-drills. No. 1,262,661; Apr. 16; v. 249; p. 529.
Gladwill, Rudolph H., assignor to Patent Holding Company, Ada, Okla. Check-indorsing machine. No. 1,253,025; Jan. 8; v. 246; p. 494.
Glaeser, Walter, Fullerton, Pa., assignor, by mesne assignments, to Potash Extraction Corporation, New York, N. Y. Treating ferrous alkali silicates. No. 1,254,676; Jan. 29; v. 246; p. 1047.
Glaeser, Walter, Brooklyn, assignor, by mesne assignments, to Potash Extraction Corporation, New York, N. Y. Treating potash-bearing silicates. No. 1,254,677; Jan. 29; v. 246; p. 1047.
Glaeser, Walter, Brooklyn, assignor, by mesne assignments, to Potash Extraction Corporation, New York, N. Y. Treating potassium-bearing silicates. No. 1,285,121; Nov. 19; v. 256; p. 501.
Glaeser, Walter, Brooklyn, assignor, by mesne assignments, to Potash Extraction Corporation, New York, N. Y. Treating potassium-bearing silicates. No. 1,285,122; Nov. 19; v. 256; p. 501.
Glander, Charles E., Jersey City Heights, N. J. Trap-nest. No. 1,270,283; June 25; v. 251; p. 689.
Glanton, James A., Columbus, Ind. Sectional cedar chest. No. 1,256,306; Feb. 12; v. 247; p. 389.
Glasener, John H., Mansfield, Ohio. Jack. No. 1,253,483; Jan. 15; v. 246; p. 658.
Glaser, Joseph P., Detroit, Mich., and B. W. Burch, Baltimore, Md., assignors to Chamberlin Metal Weather Strip Company, Detroit, Mich. Weather-strip for metal window sashes and frames. No. 1,261,920; Apr. 9; v. 249; p. 293.
Glasford, John W. (See Haynes and Glasford.)
Glasgow, Daneil, assignor of one-half to L. Lindenberg, Milwaukee, Wis. Sanitary-closet-seat-cover holder. No. 1,259,509; Mar. 19; v. 248; p. 520.
Glasner, Frank, and G. Ellison, Hinton, Iowa. Foldable drinking-cup. No. 1,253,168; Jan. 8; v. 246; p. 535.
Glass, Arnold F., Birmingham, Ala. Oil or gas burning stove. No. 1,258,210; Mar. 5; v. 248; p. 76.
Glass, Arnold F., Birmingham, Ala. Oil-burning stove. No. 1,276,901; Aug. 27; v. 253; p. 803.
Glass, Edward L., Chicago, Ill. Indicating means for electrically heating flat-irons. No. 1,280,709; Oct. 8; v. 255; p. 190.
Glass, Perley R., Brookline, assignor to P. R. Glass Company, Boston, Mass. Folding-machine. No. 1,270,753; June 25; v. 251; p. 817.
Glass, Perley R., Brookline, assignor to P. R. Glass Company, Boston, Mass. Folding-machine. No. 1,281,555; Oct. 15; v. 255; p. 454.

Glass, Perley R., Brookline, assignor to P. R. Glass Company, Boston, Mass. Folding-machine. No. 1,281,556; Oct. 15; v. 255; p. 454.
Glass, Perley R., Brookline, assignor to P. R. Glass Company, Boston, Mass. Folding-machine. No. 1,283,497; Nov. 5; v. 256; p. 16.
Glass, Perley R., Brookline, Mass., assignor, by mesne assignments to United Shoe Machinery Corporation, Paterson, N. J. Eyeleting-machine. No. 1,278,811; Sept. 10; v. 254; p. 425.
Glass, Perley R., Brookline, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Edge-burnishing machine. No 1,280,710; Oct. 8; v. 255; p. 191.
Glass, Perley R., Brookline, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Boot or shoe. No. 1,285,123; Nov. 19; v. 256; p. 501.
Glass, William C., Woonsocket, R. I., assignor to United Printing Machinery Company, Boston, Mass. Sheet-feeding mechanism. No. 1,275,550; Aug. 13; v. 253; p. 362.
Glassburn, Robert P., Fort Williams, Me. Strap-locking clamp. No. 1,285,981; Nov. 26; v. 256; p. 758.
Glasscock, Gerald A., Galveston, Tex. Protector for typewriter frames. No. 1,259,225; Mar. 12; v. 248; p. 407.
Glassey, Theodore W., Wallowa, Oreg. Plow-scraper. No. 1,280,206; Oct. 1; v. 255; p. 26.
Glassford, George W., Sr., Cleveland, Ohio. Smoke washer or purifier. No. 1,289,439; Dec. 31; v. 257; p. 919.
Glatz, Frank, Kansas City, Mo. Fifth-wheel drive for automobiles. No. 1,255,155; Feb. 5; v. 247; p. 12.
Glauber, Joseph H., deceased, Cleveland, Ohio; The Citizens Savings & Trust Company, executor. Faucet. No. 1,286,286; Dec. 3; v. 257; p. 25.
Glave, Claire L. (See Glave, George Y., assignor.)
Glave, George Y., New York, assignor to C. L. Glave, Lawrence, N. Y. Wrench. No. 1,280,711; Oct. 8; v. 255; p. 191.
Glaze, Frederick E., assignor of one-half to J. M. Denning, Denver, Colo. Beet-harvester. No. 1,280,207; Oct. 1; v. 255; p. 26.
Gleason, Eugene P. (See Meyer and Gleason.)
Gleason, Frederick J., Walpole, assignor to Standard Woven Fabric Company, Framingham, Mass. Rubber compound and producing the same. No. 1,257,698; Feb. 26; v. 247; p. 868.
Gleason, James E., assignor to Gleason Works, Rochester, N. Y. Cutter-grinding machine. No. 1,285,124; Nov. 19; v. 256; p. 502.
Gleason, James E., and E. W. Bullock, assignor to Gleason Works, Rochester, N. Y. Reversing clutch mechanism. No. 1,269,701; June 18; v. 251; p. 506.
Gleason, John L., Jamaica Plain, Mass. Signaling device. No. 1,251,998; Jan. 1; v. 246; p. 164.
Gleason, Thomas M., Racine, Wis. Portable cradle for bath-tubs. No. 1,273,214; July 23; v. 252; p. 775.
Gleason Works. (See Gleason, James E., assignor.)
Gleason Works. (See Gleason and Bullock, assignors.)
Gleason Works. (See Howarth, Harry A. S., assignor.)
Gleason Works. (See Stewart and Bickle, assignors.)
Gleaves, Robert G., Greenbrier, Tenn. Self-locking cover for grave-vaults. No. 1,267,759; May 28; v. 250; p. 886.
Gledhill, Arthur H., Halifax, England. Apparatus for releasing bodies from aircraft. No. 1,283,151; Oct. 29; v. 255; p. 955.
Gleeson, John, and J. H. Robinson, assignors of one-third to N. Rudoy, Chicago, Ill. Spring-seat. No. 1,283,152; Oct. 29; v. 255; p. 956.
Gleiche, Carl, assignor to Stock Motorpflug Gesellschaft Mit Beschrankter Haftung, Berlin, Germany. Device for the vertical adjustment of the frame of a motor-plow relatively to the steering-wheel. No. 1,284,089; Nov. 5; v. 256; p. 172.
Gleiche, Carl, assignor to Stock Motorpflug Gesellschaft Mit Beschrankter Haftung, Berlin, Germany. Wheel for motor-plows and the like. No. 1,287,670; Dec. 17; v. 257; p. 432.
Gleiche, Carl, assignor to Stock Motorplug Gesellschaft mit Beschränkter Haftung, Berlin, Germany. Plowing-tool. No. 1,287,960; Dec. 17; v. 257; p. 505.
Glenn, James H., assignor to C. S. Weierman, Philadelphia, Pa. Knitting-machine. No. 1,278,634; Sept. 10; v. 254; p. 377.
Glenn, John C., assignor to Skinner Engine Company, Erie, Pa. Fluid-operated valve mechanism. No. 1,260,184; Mar. 19; v. 248; p. 713.
Glenn, Olive M., Washington, D. C. Surgical instrument. No. 1,286,287; Dec. 3; v. 257; p. 25.
Glenn, Thomas F., Ardmore, Pa., assignor to The S. S. White Dental Manufacturing Company. Artificial tooth. No. 1,267,861; May 28; v. 250; p. 917.
Glenn, William J., Steelton, Ontario, Canada. Relief-valve. No. 1,272,251; July 9; v. 252; p. 453.
Glennie, Peter, North Andover, Mass. Construction-block joint. No. 1,287,961; Dec. 17; v. 257; p. 505.
Glidden, Raymond B., assignor to Kewanee Implement Company, Kewanee, Ill. Watering apparatus. No. 1,287,671; Dec. 17; v. 257; p. 432.
Glimm, Zella. (See Jones and Glimm.)
Glissenti, Angelo, Brescia, Italy. Apparatus for throwing projectiles. No. 1,272,421; July 16; v. 252; p. 527.
Glisson, Amos A., Fort Worth, Tex. Advertising device. No. 1,262,191; Apr. 9; v. 249; p. 369
Glisson, Lloyd C., Atlanta, Ga. Aeroplane. No. 1,265,770; May 14; v. 250; p. 276.
Glisson, Lloyd C., New York, N. Y. Fire-extinguisher. No. 1,280,208; Oct. 1; v. 255; p. 26.
Globe Art Mfg. Company. (See Weiss, Samuel W., assignor.)
Globe Automatic Sprinkler Company. (See Evans, Powell, assignor.)
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Globe Machine & Stamping Company, The. (See Schroeder and Root, assignors.)
Globe Manufacturing Company. (See Freese, Courtland F. H., assignor.)
Globe Manufacturing Company. (See Watkins, Orla H., assignor.)
Globe Stove & Range Co., The. (See Jones, George B., assignor.)
Globe Ticket Company. (See Henkle, Edward A., assignor.)
Globe-Wernicke Company, The. (See Roycroft, Charles E., assignor.)
Globus, Gummi- & Asbestwerke G. m. b. H. (See Hartmann, Heinrich, assignor.)
Glossop, George. (See Farrer and Glossop.)
Glossop, Margaret, Seattle, Wash. Illuminated door-knob. No. 1,263,880; Apr. 23; v. 249; p. 889.
Glover, Charles A., Bridgeport, Conn. Mechanism for breaking steel bars. No. 1,284,312; Nov. 12; v. 256; p. 260.
Glover Fuel Economizer Company. (See Glover, Oscar, assignor.)
Glover, Oscar, assignor to Glover Fuel Economizer Company, Incorporated, Louisville, Ky. Fuel-economizer for internal-combustion engines. No. 1,270,938; July 2; v. 252; p. 53.
Glover, Walter H., Braintree, and L. P. Wilson, Coventry, England, assignors, by mesne assignments, to The Viscose Company, Marcus Hook, Pa. Manufacture and production of cellulose compounds. No. 1,279,328; Sept. 17; v. 254; p. 595.
Glover, Walter H., Braintree, and L. P. Wilson, Coventry, England, assignors, by mesne assignments, to The Viscose Company, Marcus Hook, Pa. Manufacture of cellulose compounds. No. 1,279,329; Sept. 17; v. 254; p. 595.
Glowacki, Leo, Argyle, Minn. Combination cane and fishing-rod. No. 1,285,679; Nov. 26; v. 256; p. 682.
Glueck, William J., East St. Louis, Ill. Carpenter's tool. No. 1,253,957; Jan. 15; v. 246; p. 791.
Glunz, Charles J., Pottsville, Pa. Direction-signal for automobiles. No. 1,286,995; Dec. 10; v. 257; p. 233.
Glynn, Stephen A., Antigo, assignor of one-half to W. Griffith and M. E. Entzminger, Green Bay, Wis. Garment-holder. No. 1,268,075; May 28; v. 250; p. 975.
Gnade, Edward R., Oil City, assignor to Oil Well Supply Company, Pittsburgh, Pa. Apparatus employed in the formation of wells. No. 1,252,426; Jan. 8; v. 246; p. 318.
Gnoeth, Emil, assignor to The International Harness Machinery Company, Cincinnati, Ohio. Loop-forming press. No. 1,285,680; Nov. 26; v. 256; p. 682.
Goad, Gertrude, Reigate, England. Hay or grain carrier and elevator. No. 1,283,498; Nov. 5; v. 256; p. 17.
Goal, Joseph A., Warren, Pa. Watchcase. No. 1,289,155; Dec. 31; v. 257; p. 847.
Goatman, William. (See Smith, John H., assignor.)
Godbersen, Henry, Charter Oak, assignor to Corn Huskers Investment Co., Ute, Iowa. Corn picking and husking machine. No. 1,275,551; Aug. 13; v. 253; p. 363.
Goddard, Dudley M., Lincoln, Nebr. Screen-wire rack. No. 1,278,906; Sept. 17; v. 254; p. 482.
Goddard, Edward D., Canton, S. D. Wheel-puller. No. 1,260,369; Mar. 26; v. 248; p. 801.
Goddard, Frederick M., Brooklyn, N. Y. Hedge-trimmer. No. 1,272,795; July 16; v. 252; p. 634.
Goddard, Joseph, assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Camera-mounting. No. 1,280,013; Sept. 24; v. 254; p. 811.
Goddard, Joseph, and W. S. Hutchings, assignors to Seneca Camera Manufacturing Company, Rochester, N. Y. Lens-front for cameras. No. 1,257,842; Feb. 26; v. 247; p. 911.
Goddard, Joseph, and W. S. Hutchings, assignors to Seneca Camera Manufacturing Company, Rochester, N. Y. Photographic camera. No. 1,263,228; Apr. 16; v. 249; p. 690.
Goddard, Walter T., Hamilton, Ontario, Canada, assignor to The Locke Insulator Manufacturing Company, Victor, N. Y. Insulator-support. No. 1,258,211; Mar. 5; v. 248; p. 76.
Goddard, William B., Philadelphia, Pa. Sheet-metal-bilge-barrel-forming machine. No. 1,285,982; Nov. 26; v. 256; p. 758.
Goddin, Hugh T., Naylor, Mo. Rail-joint. No. 1,259,730; Mar. 19; v. 248; p. 582.
Goddu, George, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. No. 1,262,775; Apr. 16; v. 249; p. 562.

Goddu, George, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. No. 1,280,209; Oct. 1; v. 255; p. 27.
Goddu, George, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Nail. No. 1,282,215; Oct. 22; v. 255; p. 672.
Goddu, George, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. No. 1,282,809; Oct. 29; v. 255; p. 862.
Goddu, George, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Nail-head-shaping machine. No. 1,283,730; Nov. 5; v. 256; p. 76.
Godfrey, Albert N., Wenatchee, Wash. Fruit-drier. No. 1,267,655; May 28; v. 250; p. 857.
Godfrey, Alfred, London, England. Packaging-machine. No. 1,283,153; Oct. 29; v. 255; p. 956.
Godfrey, George M. (See Bryan, William D., assignor.)
Godfrey, George W., Willowsprings, Wis. Drag-saw. No. 1,255,737; Feb. 5; v. 247; p. 181.
Godfrey, Harvey, Pittsburgh, Pa. Advertising device. No. 1,275,244; Aug. 13; v. 253; p. 279.
Godfrey, John F., Elkhart, Ind. Self-dumping bucket. No. 1,258,890; Mar. 12; v. 248; p. 313.
Godfrey, Joseph H., Chicago, Ill., and J. B. Polo, Fort Atkinson, Wis., assignors to The Godfrey Manufacturing Company, Chicago, Ill. Bottle-filling valve. No. 1,282,810; Oct. 29; v. 255; p. 862.
Godfrey Manufacturing Company, The. (See Godfrey and Polo, assignors.)
Godfrey, Warren P. (See Watts, Ben, assignor.)
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp-mounting. No. 1,252,684; Jan. 8; v. 246; p. 393.
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp-support. No. 1,252,685; Jan. 8; v. 246; p. 393.
Godley, Charles E., Detroit, Mich., assignor, by mesne assignments, to Edmunds & Jones Corporation, New York, N. Y. Oil-lamp-font fastener. No. 1,270,939; July 2; v. 252; p. 53.
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp-mounting. No. 1,270,940; July 2; v. 252; p. 53.
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Switch. No. 1,272,941; July 16; v. 252; p. 676.
Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Electric lamp. No. 1,283,731; Nov. 5; v. 256; p. 77.
Godley, Henry G., Pittsburgh, Pa. Vehicle-shield. No. 1,266,934; May 21; v. 250; p. 630.
Godley, Walter J. (See Traeger, Delbert O., assignor.)
Godoy, David, Buenos Aires, Argentina. Corn stripping and husking machine. No. 1,258,669; Mar. 12; v. 248; p. 250.
Godward, Ernest R., Dunedin, New Zealand. Method of and apparatus for carburation. No. 1,283,154; Oct. 29; v. 255; p. 956.
Godwin, Charley D. (See Godwin, Raymond D. and C. D.)
Godwin, Gillam D., Wade, N. C. Stop. No. 1,259,847; Mar. 19; v. 248; p. 618.
Godwin, Gillam D., Wade, N. C. Folding coop. No. 1,259,848; Mar. 19; v. 248; p. 618.
Godwin, Raymond D. and C. D., Cement, Okla. Nut-lock. No. 1,253,958; Jan. 15; v. 246; p. 792.
Goecke, Rudolf F., assignor to The Elyria Enameled Products Company, Elyria, Ohio. Kettle-jacket connecting means. No. 1,270,284; June 25; v. 251; p. 689.
Goecke, Rudolf F., assignor to The Elyria Enameled Products Company, Elyria, Ohio. Fluid-jacketed kettle. No. 1,270,406; June 25; v. 251; p. 723.
Goedhart, Gerrit L., The Hague, Netherlands. Apparatus for detaching mines from their anchors. No. 1,287,674; Dec. 17; v. 257; p. 433.
Goedike, George G., Chicago, Ill. Damping-roll for lithographing-presses. No. 1,281,940; Oct. 15; v. 255; p. 557.
Goehringer, Charles J., Cincinnati, Ohio. Crucible-holding apparatus. No. 1,280,712; Oct. 8; v. 255; p. 191.
Goeldner, Walter, assignor to Firm of H. Lanz, Mannheim, Germany. Cultivator. No. 1,258,109; Mar. 5; v. 248; p. 47.
Goelkel, Rinaldo A., New York, N. Y., and W. N. Lurcott, Weehawken, N. J.; said Lurcott assignor to said Goelkel. Eyeglass-case. No. 1,277,210; Aug. 27; v. 253; p. 887.
Goeringer, Conrad F., Wilkes-Barre, Pa. Concrete-mixer. No. 1,261,511; Apr. 2; v. 249; p. 147.
Goertz, Frederick. (See Kunz and Goertz.)
Goertz, William, Brooklyn, N. Y. Machine-center and the like. No. 1,279,534; Sept. 24; v. 254; p. 673.
Goetting, August H. (See Witter, Osborne R., assignor.)
Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Fuse-plug. No. 1,282,566; Oct. 22; v. 255; p. 767.
Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Producing sheet-metal fuse-plug contacts. No. 1,282,567; Oct. 22; v. 255; p. 768.
Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Air-valve casing. No. 1,285,983; Nov. 26; v. 256; p. 758.
Goetz, Joseph F., Dayton, Ohio. Collapsible display-case. No. 1,255,407; Feb. 5; v. 247; p. 85.
Goetz, Victor J., Philadelphia, Pa. Centrifugal refrigerating-machine. No. 1,253,026; Jan. 8; v. 246; p. 494.
Goetze, Henry, St. Joseph, Mo. Spraying and collecting device for liquids. No. 1,278,329; Sept. 10; v. 254; p. 297.
Goff, Frank, Camden, N. J. Air-brake appliance. No. 1,254,678; Jan. 29; v. 246; p. 1047.
Goff, Jesse, assignor of one-fourth to O. P. Mahoney and one-fourth to W. D. Goff, Joplin, Mo. Device for cleaning and blowing off boilers. No. 1,255,156; Feb. 5; v. 247; p. 12.
Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Starting and lighting set for automobiles. No. 1,264,634; Apr. 30; v. 249; p. 1132.
Goff, William D., *et al.* (See Goff, Jesse, assignor.)
Gogay, Harry R. (See Berrill and Gogay.)
Gogay, Harry R., assignor to The Solar Metal Products Company, Columbus, Ohio. Metal frame construction. No. 1,287,672; Dec. 17; v. 257; p. 432.
Gogay, Harry R., assignor to The Solar Metal Products Company, Columbus, Ohio. Metal door and window construction. No. 1,287,673; Dec. 17; v. 257; p. 433.
Gogay, Henry R., and T. F. Berrill, Columbus, Ohio, assignors to Solar Metal Products Company, New York, N. Y. Construction of metal doors. No. 1,281,941; Oct. 15; v. 255; p. 557.
Gogel, Sol, Toronto, Ontario, Canada. Automobile. No. 1,278,907; Sept. 17; v. 254; p. 482.
Goheen, Frank L., Grouse, Idaho. Telephone system. No. 1,270,723; June 25; v. 251; p. 808.
Gohl, Edward H., Auburn, N. Y. Decorative street-post. No. 1,262,776; Apr. 16; v. 249; p. 562.
Gohmert, Otto A., Yorktown, Tex. Discharge-nozzle. No. 1,272,031; July 9; v. 252; p. 392.
Gohring, Herman C., Spokane, Wash. Automobile-lock. No. 1,282,067; Oct. 22; v. 255; p. 631.
Going, George G., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,277,209; Aug. 27; v. 253; p. 887.
Going, George G., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,282,410; Oct. 22; v. 255; p. 725.
Going, George G., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,289,731; Dec. 31; v. 257; p. 989.
Going, William J., assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Yarn-treating machine. No. 1,258,764; Mar. 12; v. 248; p. 275.
Going, William J., Amsterdam, N. Y., assignor to Klauder-Weldon Dyeing Machine Co., Yardley, Pa. Yarn-treating machine. No. 1,287,962; Dec. 17; v. 257; p. 505.
Golata, Andrew J., and L. L. Roberts, assignors of one-tenth to A. L. Ellis, Detroit, and one-tenth to W. W. Carswell, Highland Park, Mich. Internal-combustion engine. No. 1,257,598; Feb. 26; v. 247; p. 839.
Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Gasket for hose-couplings. No. 1,251,767; Jan. 1; v. 246; p. 98.
Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Steam-heating apparatus. No. 1,264,786; Apr. 30; v. 249; p. 1171.
Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Device for fastening wires to pipes. No. 1,265,903; May 14; v. 250; p. 314.
Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Vapor-valve for steam-heating. No. 1,265,904; May 14; v. 250; p. 314.
Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Train-pipe valve. No. 1,275,243; Aug. 13; v. 253; p. 279.
Gold, Egbert H. (See MacFarland and Shoemaker, assignors.)
Gold, Egbert H., Chicago, Ill. Hose-coupling. No. 1,282,068; Oct. 22; v. 255; p. 631.
Gold Furniture Company *et al.* (See Davis, Fred M., assignor.)
Gold Furniture Company *et al.* (See Weinmann, Louis E., assignor.)
Gold, Joseph S., Columbus, Ohio, assignor of one-half to J. H. Sellers, Wellston, Ohio. Nut-lock. No. 1,281,942; Oct. 15; v. 255; p. 558.
Gold Medal Camp Furniture Manufacturing Company. (See Peterson, Peter H., assignor.)
Gold Medal Camp Furniture Manufacturing Company. (See Rasmussen, Martin, assignor.)
Goldberg, Arthur, New York, N. Y. Garment-hanger. No. 1,282,216; Oct. 22; v. 255; p. 672.
Goldberg Calculating Machine Company. (See Goldberg, Hyman E., assignor.)
Goldberg, Elias T., Bridgeport, Conn. Artificial tooth. No. 1,253,585; Jan. 15; v. 246; p. 687.
Goldberg, Hyman E., assignor to Goldberg Calculating Machine Company, Chicago, Ill. Calculating-machine. No. 1,276,520; Aug. 20; v. 253; p. 665.

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Goldberg, Isadore, Detroit, Mich. Auxiliary air-inlet valve and primer. No. 1,289,732; Dec. 31; v. 257; p. 990.
Goldberg, John S., assignor to Alemite Metals Company, Chicago, Ill. Die-casting machine. No. 1,257,478; Feb. 26; v. 247; p. 802.
Goldberg, Meyer J., Oil City, Pa. Double-acting two-cycle engine. No. 1,282,217; Oct. 22; v. 255; p. 672.
Goldberger, Maurice, Fort Wayne, Ind. Blow-torch or fire-pot. No. 1,281,345; Oct. 15; v. 255; p. 398.
Goldburg, Louis, Bayonne, N. J. Damper. No. 1,282,811; Oct. 29; v. 255; p. 862.
Golden, Asher, Brooklyn, N. Y. Roller-bearing. No. 1,285,125; Nov. 19; v. 256; p. 502.
Golden, Charles F., Chili, Ind. Compass. No. 1,266,010; May 14; v. 250; p. 343.
Golden, Daniel J., Brockton, Mass. Sporting-shoe. No. 1,278,140; Sept. 10; v. 254; p. 245.
Golden, John H., Buffalo, N. Y. Carbureter. No. 1,253,484; Jan. 15; v. 246; p. 658.
Golden, Robert, Brooklyn, N. Y. Manhole-cover. No. 1,287,290; Dec. 10; v. 257; p. 308.
Golden State Portland Cement Company. (See Blumenberg, Henry, Jr., assignor.)
Golden West Pump Company. (See Norton, James A., assignor.)
Goldenstein, Maurice M., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-control system. No. 1,255,874; Feb. 12; v. 247; p. 260.
Goldenstein, Maurice M., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Rheostat. No. 1,280,713; Oct. 8; v. 255; p. 191.
Goldenstein, Maurice M., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,281,346; Oct. 15; v. 255; p. 398.
Goldenstein, Maurice M., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,281,347; Oct. 15; v. 255; p. 399.
Golder, Lloyd W. (See Berg and Golder.)
Goldfaden, Samuel, assignor to S. Goldfaden, New York, N. Y. Padding attachment for eyeglasses and spectacles. No. 1,285,984; Nov. 26; v. 256; p. 759.
Goldfaden, Sophie. (See Goldfaden, Samuel, assignor.)
Goldfield, Abraham T., assignor to Spring Valley Wood Products Corporation, Spring Valley, N. Y. Velocipede-horse. No. 1,272,796; July 16; v. 252; p. 634.
Goldhahn, Florence W., Philadelphia, Pa. Folding screen. No. 1,282,685; Oct. 22; v. 255; p. 800.
Goldhamer, Jacob W., Cleveland, Ohio, assignor, by mesne assignments, to Emboso Sales Company. Apparatus for producing relief-printing. No. 1,283,155; Oct. 29; v. 255; p. 957.
Goldie, William, Wilkinsburg, Pa. Reinforcing-bar for concrete construction. No. 1,272,422; July 16; v. 252; p. 528.
Golding, Charles D., Houston, Tex. Truck. No. 1,280,210; Oct. 1; v. 255; p. 27.
Golding, Daniel G., Fremont, Nebr. Lens-mounting for eyeglasses. No. 1,274,870; Aug. 6; v. 253; p. 152.
Golding, John F., Washington, D. C. Door-holder. No. 1,255,408; Feb. 5; v. 247; p. 85.
Golding, Sebron W., and J. W. Witthause, Price, Utah. Multiple-socket wrench. No. 1,273,774; July 23; v. 252; p. 923.
Golding, William H., Tenafly, N. J. Combined square and bevel. No. 1,252,797; Jan. 8; v. 246; p. 425.
Goldman, Jacob L. (See Babitzky, Joseph, assignor.)
Goldman, Matthew S., Pittsburgh, Pa. Advertising and educational toy. No. 1,273,605; July 23; v. 252; p. 880.
Goldman, Rutherford G. (See Harris and Goldman.)
Goldman, Rutherford G., Los Angeles, Cal. Roller-bearing. No. 1,286,288; Dec. 3; v. 257; p. 25.
Goldman, Rutherford G., Los Angeles, Cal. Roller-bearing. No. 1,286,289; Dec. 3; v. 257; p. 25.
Goldman, Rutherford G., Los Angeles, Cal. Roller-bearing. No. 1,286,290; Dec. 3; v. 257; p. 26.
Goldmerstein, Leon, New York, N. Y. Master control and lock for electric circuits in automobiles. No. 1,256,125; Feb. 12; v. 247; p. 335.
Goldmerstein, Leon, (by judicial change of name now L. Cammen,) New York, N. Y. Desiccating air for blast-furnace use. No. 1,282,686; Oct. 22; v. 255; p. 800.
Goldner, Joseph H. (See Hanrath, Theodore W., assignor.)
Goldowitz, Samuel, Port Chester, N. Y. Ash-container. No. 1,280,440; Oct. 1; v. 255; p. 91.
Goldsbrough, Shirley L., Salt Lake City, Utah. Automatic temperature control for electric irons. No. 1,284,649; Nov. 12; v. 256; p. 342.
Goldschmidt, Victor M., assignor to Titan Co. A/S. of Norway, Christiania, Norway. Freeing liquids from suspended particles. No. 1,276,644; Aug. 20; v. 253; p. 699.
Goldsmith, Byron B., New York, N. Y. Paper-clip. No. 1,259,849; Mar. 19; v. 248; p. 618.
Goldsmith, Charlie E. (See Allen, Alonzo W., assignor.)
Goldsmith, Charlie E., Streator, Ill. Rail-joint. No. 1,279,858; Sept. 24; v. 254; p. 768.
Goldsmith, Edwin M., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Container for toilet preparations. No. 1,289,440; Dec. 31; v. 257; p. 919.
Goldsmith, George H. (See Shambow and Goldsmith.)
Goldsmith, George H., Greenville, S. C. Tension device. No. 1,260,662; Mar. 26; v. 248; p. 888.
Goldsmith, Hugo, Cincinnati, Ohio. Athletic protective harness. No. 1,264,916; May 7; v. 250; p. 12.
Goldsmith, Max S., Cincinnati, Ohio. Concrete floor construction. No. 1,278,908; Sept. 17; v. 254; p. 482.
Goldsmith & Son, L. (See Osterweil, Sydney, assignor.)
Goldsmith, William H., Jr., Biddeford, Me., assignor to Saco-Lowell Shops, Boston, Mass. Spinning and twisting machine. No. 1,263,055; Apr. 16; v. 249; p. 641.
Goldstein, Abe, *et al.* (See Goldstein, Samuel, assignor.)
Goldstein, Isadore, *et al.* (See Goldstein, Samuel, assignor.)
Goldstein, Joseph. (See Plisco, Joseph, assignor.)
Goldstein, Louis, Morristown, N. J. Convertible cape, coat, and blanket. No. 1,272,942; July 16; v. 252; p. 676.
Goldstein, Meyer, *et al.* (See Goldstein, Samuel, assignor.)
Goldstein, Samuel, assignor of one-fourth to I. Goldstein, one-fourth to A. Goldstein, and one-fourth to M. Goldstein, Chicago, Ill. Bed davenport or couch. No. 1,267,399; May 28; v. 250; p. 786.
Goldstein, Simon I., Baltimore, Md. Umbrella-tag. No. 1,289,156; Dec. 31; v. 257; p. 847.
Goldstone, Louis, Rochester, N. Y. Boot or shoe counter reinforce. No. 1,277,713; Sept. 3; v. 254; p. 106.
Goldsworthy, Paul R., San Jose, Cal. Revolving air-plane. No. 1,254,496; Jan. 22; v. 246; p. 966.
Goldthwait, Carl E., Lynn, assignor to C. W. H. Moulton Company, Somerville, Mass. Brace for grated shelves. No. 1,273,215; July 23; v. 252; p. 775.
Golembiowski, Stanislaw, South Bethlehem, Pa. Soldier's protector. No. 1,282,411; Oct. 22; v. 255; p. 725.
Goljan, Wactaw, Cosmopolis, Wash. Hat-securing means. No. 1,252,798; Jan. 8; v. 246; p. 426.
Gollinge, Alexander, assignor of forty one-hundredths to O. R. Burger, New York, N. Y. Steam-boiler attachment. No. 1,270,147; June 18; v. 251; p. 627.
Gollings, Ellick H., Chicago, Ill. Rotary pump. No. 1,263,550; Apr. 23; v. 249; p. 800.
Gollings, Ellick H., Chicago, Ill. Rotary power device. No. 1,284,650; Nov. 12; v. 256; p. 342.
Gollub, Matthew, Philadelphia, Pa. Hair-pin. No. 1,268,959; June 11; v. 251; p. 269.
Goltra, Edward F., T. S. Maffitt, J. D. Dana, St. Louis, Mo., and R. W. Erwin, Waukon, Iowa, assignors, by mesne assignments, to Mississippi Valley Iron Company, Wilmington, Del. Apparatus for clearing clayey ores. No. 1,288,404; Dec. 17; v. 257; p. 612.
Gondolf, Nicholas J., New Orleans, La. Flushing device. No. 1,259,226; Mar. 12; v. 248; p. 407.
Gongaware, William F., Oceanpark, Cal. Indicia device for cameras. No. 1,254,590; Jan. 22; v. 246; p. 993.
Gonick, Israel, Red Oak, Iowa. Vending-machine. No. 1,280,441; Oct. 1; v. 255; p. 91.
Gonick, Max, New York, N. Y. Safety collar-button. No. 1,268,342; June 4; v. 251; p. 78.
Gonsalves, Sylvanus D., New Bedford, Mass. Frying-pan. No. 1,281,943; Oct. 15; v. 255; p. 558.
Gonsky, Peter R., Edmonton, Alberta, Canada, assignor to Endlessgraph Manufacturing Company, Detroit, Mich. Automatic threading-machine, take-up and rewinding mechanism. No. 1,260,185; Mar. 19; v. 248; p. 713.
Gonyea, Louis J., Spokane, Wash. Tray. No. 1,257,843; Feb. 26; v. 247; p. 911.
Gooch, Ovie L., Ottumwa, Iowa. Gambrel. No. 1,259,012; Mar. 12; v. 248; p. 349.
Good, David D., Philadelphia, Pa. Adjustable closet-rod. No. 1,266,677; May 21; v. 250; p. 559.
Good, David D., Philadelphia, Pa. Automatic train-stopping device. No. 1,277,569; Sept. 3; v. 254; p. 65.
Good, David D., Philadelphia, Pa. Automatic speed control and recording device. No. 1,288,870; Dec. 24; v. 257; p. 752.
Good, George E., Rochelle, Ill. Band-saw mill. No. 1,270,285; June 25; v. 251; p. 689.
Good Inventions Co. (See Good, John, assignor.)
Good, John, Brooklyn, N. Y. Rotary valve. No. 1,254,795; Jan. 29; v. 246; p. 1085.
Good, John, Brooklyn, N. Y. Liquid-fuel combustion. No. 1,267,760; May 28; v. 250; p. 886.
Good, John, Brooklyn, N. Y. Match-box holder. No. 1,285,126; Nov. 19; v. 256; p. 502.
Good, John, Brooklyn, N. Y. Rotary valve. No. 1,287,963; Dec. 17; v. 257; p. 505.
Good, John, assignor to Good Inventions Co., Brooklyn, N. Y. Fuel-charge-supply apparatus. No. 1,253,681; Jan. 15; v. 246; p. 714.
Good, John, assignor to Good Inventions Co., Brooklyn, N. Y. Kerosene-engine. No. 1,253,682; Jan. 15; v. 246; p. 715.
Good, John, assignor to Good Inventions Co., Brooklyn, N. Y. Vaporizing system for internal-combustion engines. No. 1,261,512; Apr. 2; v. 249; p. 148.
Good, John, assignor to Good Inventions Co., Brooklyn, N. Y. Fuel-supply means for combustion-engines. No. 1,273,356; July 23; v. 252; p. 813.

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Good, John L., Horton, Kans. Auxiliary blow-off and water-inlet for locomotive-boilers. No. 1,289,441; Dec. 31; v. 257; p. 920.
Good Manufacturing Company. (See Biedenmeister, Frederick, assignor.)
Good, Paul E., Riverton, N. J., assignor to Southwark Foundry & Machine Co., Philadelphia, Pa. Regulating apparatus for air-compressors. No. 1,265,444; May 7; v. 250; p. 158.
Good, Robert, Jr., Washington, Pa. Apparatus for delivering glass from furnaces or the like. No. 1,269,597; June 18; v. 251; p. 477.
Good, Robert, Jr., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Controlling mechanism for glass-furnaces. No. 1,266,011; May 14; v. 250; p. 343.
Good, William W., and F. H. Buckman, Chicago, Ill. Drain-pipe plug. No. 1,275,419; Aug. 13; v. 253; p. 327.
Goodall, Clarence N., assignor of one-half to Robert Stephenson and Company (1914) Limited, Darlington, England. Locomotive. No. 1,261,021; Apr. 2; v. 249; p. 9.
Goodall, Howard W., Aldan, Pa. Covered hose. No. 1,276,752; Aug. 27; v. 253; p. 765.
Goodall, Howard W., Alden, Pa. Hose. No. 1,281,557; Oct. 15; v. 255; p. 455.
Goodall Worsted Company. (See Nutter, William S., assignor.)
Goode Anti-Skid Chain Manufacturing Company. (See Poling, Fred C., assignor.)
Goode, Lincoln, Pittsburg, Cal. Lumber-curing kiln. No. 1,266,791; May 21; v. 250; p. 590.
Goodenough, William H., Camas, Wash. Making paper. No. 1,257,996; Mar. 5; v. 248; p. 14.
Goodfellow, Charles S., Jersey City, N. J. Non-puncturable inner lining for automobile-tires. No. 1,260,186; Mar. 19; v. 248; p. 713.
Goodfellow, Walter V., Los Angeles, Cal. Method of and apparatus for general anesthesia. No. 1,267,761; May 28; v. 250; p. 887.
Goodman, Joseph, Whitneyville, assignor to C. Cowles & Co., New Haven, Conn. Vehicle-window-strap holder. No. 1,260,892; Mar. 26; v. 248; p. 951.
Goodman, Joseph C., Columbus, Ohio. Ventilating-shutter. No. 1,259,013; Mar. 12; v. 248; p. 349.
Goodhart, Louis, assignor to One Wheel Truck Company, St. Louis, Mo. Driving-gear for vehicles. No. 1,268,960; June 11; v. 251; p. 269.
Gooding, Harry M., Attica, Ohio. Harrow-tooth. No. 1,276,645; Aug. 20; v. 253; p. 699.
Goodlake, Frederick D., Memphis, Tenn. Riveting-machine. No. 1,270,148; June 18; v. 251; p. 627.
Goodling, Clayton, Baltimore, Md. Life-preserver. No. 1,285,127; Nov. 19; v. 256; p. 502.
Goodman, Albert H., Oakland, Oreg. Poison-wheat distributer. No. 1,270,510; June 25; v. 251; p. 753.
Goodman, Herman, assignor of one-half to G. E. Dunstan, Cleveland, Ohio. Spool-holder for sewing-machines. No. 1,268,234; June 4; v. 251; p. 47.
Goodman, Ira V. (See Sloan, Perry, and Goodman.)
Goodman, Jacob R., assignor of one-tenth to S. Scheindlinger, New York, N. Y. Safety device for automobiles. No. 1,285,128; Nov. 19; v. 256; p. 502.
Goodman, Julius, Baltimore, Md. Reversible cuff. No. 1,279,330; Sept. 17; v. 254; p. 595.
Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)
Goodman Manufacturing Company. (See Washburn, Frank S., assignor.)
Goodman, Max. (See Gaynor, William O., assignor.)
Goodman, Nathan J., St. Louis, Mo. Protector for laundried shirts. No. 1,253,683; Jan. 15; v. 246; p. 715.
Goodman, Roy L., Strawberry Point, Iowa. Cultivator-fender. No. 1,256,473; Feb. 12; v. 247; p. 438.
Goodnow, Henry W., assignor of one-half to J. P. Ryan, Worcester, Mass. Folding box. No. 1,256,549; Feb. 19; v. 247; p. 496.
Goodnow, Henry W., assignor of one-half to J. P. Ryan, Worcester, Mass. Match-box holder. No. 1,274,409; Aug. 6; v. 253; p. 19.
Goodrich, David M., Mount Kisco, N. Y., assignor to United Paper Box Company of America, Inc., Brooklyn, N. Y. Box. No. 1,271,698; July 9; v. 252; p. 298.
Goodrich, Frank W. (See White, Charles H., assignor.)
Goodrich, George N., Detroit, Mich. Multicylinder engine. No. 1,285,129; Nov. 19; v. 256; p. 503.
Goodrich, Latimer, Chicago, Ill. Golf-club. No. 1,258,212; Mar. 5; v. 248; p. 76.
Goodrich, William H., Campello, and H. D. Reed, North Abington, Mass. Die. No. 1,279,535; Sept. 24; v. 254; p. 674.
Goodrich, William J., assignor of one-third to H. Helfman and one-third to S. M. Schott, Detroit, Mich. Adjustable anchorage for motors. No. 1,284,313; Nov. 12; v. 256; p. 260.
Goodrich, Wilson L. (See Burlin, Charles T., assignor.)
Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,255,157; Feb. 5; v. 247; p. 13.
Goodrum, Charles L. (See Clausen and Goodrum.)
Goodrum, Charles L. (See Lattig and Goodrum.)
Goodrum, Charles L. (See McQuarrie and Goodrum.)
Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Two-wire multiple automatic telephone system. No. 1,251,503; Jan. 1; v. 246; p. 15.
Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Machine-switching telephone-exchange systems. No. 1,251,504; Jan. 1; v. 246; p. 16.
Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Transmission system. No. 1,252,427; Jan. 8; v. 246; p. 319.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,251,505; Jan. 1; v. 246; p. 16.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing arrangement. No. 1,253,228; Jan. 15; v. 246; p. 581.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,253,684; Jan. 15; v. 246; p. 715.
Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments to Western Electric Company. Automatic telephone-exchange system. No. 1,254,679; Jan. 29; v. 246; p. 1048.
Goodrum, Charles L., assignor to Western Electric Company, New York, N. Y. Automatic telephone system. No. 1,254,680; Jan. 29; v. 246; p. 1048.
Goodrum, Charles L., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,254,682; Jan. 29; v. 246; p. 1049.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. No. 1,256,126; Feb. 12; v. 247; p. 335.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Line-switch. No. 1,257,338; Feb. 26; v. 247; p. 762.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,262,323; Apr. 9; v. 249; p. 404.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Message-register circuits for machine-switching telephone-exchange systems. No. 1,269,702; June 18; v. 251; p. 506.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Selector-circuit for automatic and semi-automatic telephone systems. No. 1,273,850; July 30; v. 252; p. 983.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,275,016; Aug. 6; v. 253; p. 191.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,276,521; Aug. 20; v. 253; p. 665.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,278,330; Sept. 10; v. 254; p. 297.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,278,331; Sept. 10; v. 254; p. 297.
Goodrum, Charles L., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,280,714; Oct. 8; v. 255; p. 192.
Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company. Automatic telephone-exchange system. No. 1,281,348; Oct. 15; v. 255; p. 399.
Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,251,768; Jan. 1; v. 246; p. 98.
Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, New York, N. Y. Non-numerical switch. No. 1,254,681; Jan. 29; v. 246; p. 1049.
Goodrum, Charles L., Brooklyn, N. Y., and J. A. Kropp, Oak Park, Ill., assignors to Western Electric Company, New York, N. Y. Selecting-switch. No. 1,286,996; Dec. 10; v. 257; p. 233.
Goodsell, Kathleen T., New York, N. Y. Lock. No. 1,253,169; Jan. 8; v. 246; p. 536.
Goodspeed, Elvin S., Wilkinsburg, Pa. Drawing-board attachment. No. 1,288,871; Dec. 24; v. 257; p. 753.
Goodwin, Abraham E., Newburyport, Mass. Heel-support for shoe-forms. No. 1,260,370; Mar. 26; v. 248; p. 801.
Goodwin, Abraham E., Newburyport, Mass. Shoe-form. No. 1,285,130; Nov. 19; v. 256; p. 503.
Goodwin, Adolphus D., assignor to J. N. Pierce, H. H. Thomas and W. W. Brown, Greeneville, Tenn. Amusement apparatus. No. 1,261,804; Apr. 9; v. 249; p. 263.
Goodwin, Albert S., and C. C. Hurd, Tacoma, Wash. Stump-burner. No. 1,251,653; Jan. 1; v. 246; p. 64.

Goodwin, Alfred D., Ripon, Cal. Adjustable jack. No. 1,271,507; July 2; v. 252; p. 210.
Goodwin, Ben F. (See Linden, William, assignor.)
Goodwin Car Mfg. Company. (See Gilman, Joseph T., assignor.)
Goodwin, Charles B. (See Ostman and Goodwin.)
Goodwin, E. R. (See Donahoo, John H., assignor.)
Goodwin, Frederick D., Philadelphia, Pa. Gear-shifting mechanism. No. 1,286,997; Dec. 10; v. 257; p. 234.
Goodwin, George S., assignor to W. P. Murphy, Chicago, Ill. End reinforcement for box-cars. No. 1,282,568; Oct. 22; v. 255; p. 768.
Goodwin, James D., Richmond, Va. Safety-razor. No. 1,290,018; Dec. 31; v. 257; p. 1060.
Goodwin, John, *et al.* (See Fales, Frederick L., Jr., assignor.)
Goodwin, John F., Charlestown, Mass. Abutment for vehicle-springs. No. 1,268,562; June 4; v. 251; p. 140.
Goodwin, John W., Neodesha, Kans. Metal form for constructing silo and other cement walls. No. 1,269,807; June 18; v. 251; p. 537.
Goodwin, Reuben A., Atkinson, N. H. Liquid-level alarm. No. 1,280,014; Sept. 24; v. 254; p. 811.
Goodwin, Reuben A., Atkinson, N. H. Level-indicator and signal. No. 1,280,015; Sept. 24; v. 254; p. 812.
Goodwin, Robert B., Memphis, Tenn. Mucilage-container. No. 1,273,478; July 23; v. 252; p. 845.
Goodwin, Thomas J., Waco, Tex. Automobile-cooling system. No. 1,277,909; Sept. 3; v. 254; p. 159.
Goodwin, Walter L., and A. Holman, Seattle, Wash. Dump-wagon body. No. 1,276,345; Aug. 20; v. 253; p. 616.
Goodwin, William M., Newark, N. J. Measuring instrument. No. 1,268,002; May 28; v. 250; p. 955.
Goodwin, William M., Central Square, N. Y. Valve-operating means. No. 1,270,941; July 2; v. 252; p. 53.
Goodwin, Willis N., McKenna, assignor of one-half to V. H. May, Seattle, Wash. Skid. No. 1,251,881; Jan. 1; v. 246; p. 132.
Goodyear, Ernest F., Dudley, England. Wheel for vehicles. No. 1,280,715; Oct. 8; v. 255; p. 192.
Goodyear, George A., Meridian, and J. M. Chandler, Hattiesburg, Miss. Draft-beam construction for railway-cars. No. 1,289,733; Dec. 31; v. 257; p. 990.
Goodyear Rubber Company. (See Payne, Fred E., assignor.)
Goodyear Tire & Rubber Company, The. (See Atkins, James B., assignor.)
Goodyear Tire & Rubber Company, The. (See Darrow, Burgess, assignor.)
Goodyear Tire and Rubber Company, The. (See Durkee, Chauncey H., assignor.)
Goodyear Tire & Rubber Company, The. (See Harsel, William B., assignor.)
Goodyear Tire and Rubber Company, The. (See Kilborn, Karl B., assignor.)
Goodyear Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Goodyear Tire & Rubber Co., The, *et al.* (See Morton, Frederic C., assignor.)
Goodyear Tire and Rubber Company, The. (See Nall, Edward, assignor.)
Goodyear Tire & Rubber Company, The. (See Replogle, Mark A., assignor.)
Goodyear Tire & Rubber Company, The. (See Upson, Ralph H., assignor.)
Goodyear Tire & Rubber Company, The. (See Wattleworth, Charles, assignor.)
Goodyear Tire & Rubber Company, The. (See Wattleworth, Charles W., assignor.)
Goodyear Tire & Rubber Company, The. (See Young, John W., assignor.)
Goodyear, Watson E., Philadelphia, Pa. Shock-absorber. No. 1,268,452; June 4; v. 251; p. 110.
Goodyear's India Rubber Glove Manufacturing Company, The. (See Gibbons, Willis A., assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Mahoney, Jeremiah L., assignor.)
Goodyear's Metallic Rubber Shoe Company. (See Clark, Myron H., assignor.)
Goodyear's Metallic Rubber Shoe Company, The. (See Emery, Albert G., assignor.)
Goodyear's Metallic Rubber Shoe Company, The. (See Heiser and Binkle, assignors.)
Goodyear's Metallic Rubber Shoe Company, The. (See Price and Lee, assignors.)
Goodyear's Metallic Rubber Shoe Company. (See Randall, Chester J., assignor.)
Goodykoontz, Frank A., Miami, Ariz. Collapsible shelf. No. 1,286,588; Dec. 3; v. 257; p. 99.
Gookin, Albert T., Cambridge, Mass. Hernia-truss. No. 1,282,569; Oct. 22; v. 255; p. 768.
Gookin, Sylvester L., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. No. 1,283,732; Nov. 5; v. 256; p. 77.
Goold, Frank A., and W. G. Baxter, Montfort, Wis. Crank-case support. No. 1,256,550; Feb. 19; v. 247; p. 497.
Goolsby, Otho R. (See Johnson, Goolsby, and Phillips.)
Goozey, Charles A., assignor to B. A. Ballou & Co. Inc., Providence, R. I. Safety-catch. No. 1,262,777; Apr. 16; v. 249; p. 562.
Goozey, Charles A., assignor to B. A. Ballou & Co. Inc., Providence, R. I. Button-fastener. No. 1,287,964; Dec. 17; v. 257; p. 506.
Gora, Charles, Athabasca, Alberta, Canada. Combined weapon and wire-cutter. No. 1,285,681; Nov. 26; v. 256; p. 682.
Gora, Harry. (See English and Gora.)
Gora, Zahary, Jersey City, N. J. Cutter and grater. No. 1,284,314; Nov. 12; v. 256; p. 260.
Gorbutt, Sidney B. (See Wickes and Gorbutt.)
Gordanier, James A., Toronto, Ontario, Canada. Collapsible bed for automobiles. No. 1,284,651; Nov. 12; v. 256; p. 343.
Gordon, Ai C., Glens Falls, N. Y. Water-heating system. No. 1,266,455; May 14; v. 250; p. 464.
Gordon, Alfred A., Stockton, Cal., assignor to S. J. Gordon, Providence, R. I. Subsoil-plow. No. 1,287,291; Dec. 10; v. 257; p. 308.
Gordon, Chesley A., assignor to J. H. Udell, Los Angeles, Cal. Railway-crossing. 1,258,670; Mar. 12; v. 248; p. 250.
Gordon, Fred A., Omaha, Nebr. Automobile-seat. No. 1,289,442; Dec. 31; v. 257; p. 920.
Gordon, Fred W., assignor to Quasi-Arc Weldtrode Company, New York, N. Y. Electric rail-bond. No. 1,284,090; Nov. 5; v. 256; p. 172.
Gordon, Fynis C., Wenatchee, Wash. Fruit-grading machine. No. 1,282,069; Oct. 22; v. 255; p. 631.
Gordon, Fynis C., Wenatchee, Wash. Packer's truck. No. 1,282,218; Oct. 22; v. 255; p. 672.
Gordon, George C., assignor to The Park Drop Forge Company, Cleveland, Ohio. Counterbalanced crank-shaft. No. 1,253,586; Jan. 15; v. 246; p. 687.
Gordon, George C., assignor to The Park Drop Forge Company, Cleveland, Ohio. Counterbalanced crank-shaft. No. 1,255,409; Feb. 5; v. 247; p. 86.
Gordon, George G., Hershey, Pa. Grader's guide. No. 1,263,229; Apr. 16; v. 249; p. 690.
Gordon, Harry L., Chicago, Ill. Wire-stretcher. No. 1,271,564; July 9; v. 252; p. 260.
Gordon, Hugh F., Colorado Springs, Colo. Sputum-cup holder. No. 1,288,560; Dec. 24; v. 257; p. 678.
Gordon, Mary S., McFarland, Kans. Ash-pan. No. 1,258,110; Mar. 5; v. 248; p. 47.
Gordon, Peter A., Detroit, Mich. Mounting for sliding doors. No. 1,274,872; Aug. 6; v. 253; p. 152.
Gordon, Robert L., assignor to American Optical Company, Southbridge, Mass. Lens. No. 1,269,422; June 11; v. 251; p. 397.
Gordon, Russel P., Lakevista, Colo. Sling-trip. No. 1,269,074; June 11; v. 251; p. 302.
Gordon, Samuel W., assignor of one-half to H. M. Brant, Newark, N. J. Universal sterilizing stop-cock device. No. 1,272,943; July 16; v. 252; p. 676.
Gordon, Sarah J. (See Gordon, Alfred A., assignor.)
Gordon, Willett C., Harvey, Ill. Dumping-car. No. 1,287,292; Dec. 10; v. 257; p. 308.
Gore, Charles, San Francisco, Cal. Speed-indicator for automobiles. No. 1,284,091; Nov. 5; v. 256; p. 172.
Gore, Frederick W., Huntington, N. Y. Aircraft. No. 1,272,797; July 16; v. 252; p. 634.
Gore, Herbert C., Takoma Park, Md. Preserving fruit-juices. No. 1,284,187; Nov. 5; v. 256; p. 198.
Gore, William M., *et al.* (See Byrne, David, assignor.)
Gore, William M., Toledo, Ohio. Combination terminal box and fixture-stud. No. 1,287,965; Dec. 17; v. 257; p. 506.
Gorej, Andrew, *et al.* (See Jakab, Mike, assignor.)
Gorgichuk, Nick, Regina, Saskatchewan, Canada. Anti-submarine device. No. 1,258,111; Mar. 5; v. 248; p. 48.
Gorham Co. (See Paeth, William H., assignor.)
Gorham, Edwin T., assignor to Wilmarth & Morman Company, Grand Rapids, Mich. Grinding-machine. No. 1,268,961; June 11; v. 251; p. 270.
Gorham, Lewis C., Detroit, Mich. Cutter. No. 1,258,891; Mar. 12; v. 248; p. 313.
Gorham Manufacturing Company. (See Day, William A., assignor.)
Gorham Manufacturing Company. (See Jenks, Barton P., assignor.)
Gorham Manufacturing Company. (See Rivard, Charles A., assignor.)
Gorin, Fred P., Seattle, Wash. Tabulating attachment for type-writing machines. No. 1,264,292; Apr. 30; v. 249; p. 1036.
Gorman, John H., assignor of one-half to H. P. Brown, Salisbury, N. C. Fuel-heater for gasolene engines. No. 1,274,707; Aug. 6; v. 253; p. 105.
Gorman, John I., Cleveland, Ohio. Trap for floor-drains, shower-baths, and the like. No. 1,251,506; Jan. 1; v. 246; p. 16.
Gorman, John S., Pittsburgh, Pa. Attachment for wheel-presses. No. 1,282,812; Oct. 29; v. 255; p. 863.
Gormley, Frank L., Brookline, Mass. Lifting-jack. No. 1,287,966; Dec. 17; v. 257; p. 506.
Gormley, Frank L., Brookline, assignor to A. O. Norton, Inc., Roxbury, Mass. Lifting-jack. No. 1,276,902; Aug. 27; v. 253; p. 804.
Gorney, John E., Erie, Pa. Surgical cradle. No. 1,259,510; Mar. 19; v. 248; p. 520.
Gornston, Michael H., Brooklyn, N. Y. Game and puzzle apparatus. No. 1,262,662; Apr. 16; v. 249; p. 529.

Gorny, Pietr, East Chicago, Ind. Combined table and chair construction. No. 1,283,733; Nov. 5; v. 256; p. 77.
Gorr, Walter B., assignor to Skinner Engine Company, Erie, Pa. Compensating valve-gear. No. 1,271,157; July 2; v. 252; p. 114.
Gorr, Walter B., assignor to Skinner Engine Company, Erie, Pa. Governor. No. 1,287,293; Dec. 10; v. 257; p. 309.
Gorski, Peter M., Hartford, Conn. Clothes-line hanger. No. 1,277,910; Sept. 3; v. 254; p. 160.
Gorton, George, Racine, Wis. Cutting-off machine and the like. No. 1,284,315; Nov. 12; v. 256; p. 260.
Gorton, George, Racine, Wis. Stock-feeding device for cutting-off machines. No. 1,284,652; Nov. 12; v. 256; p. 343.
Gorton, John C., assignor of one-third to W. G. Hurlbert, Warren, and one-third to The Bostwick Steel Lath Company, Niles, Ohio. Metallic barrel. No. 1,263,403; Apr. 23; v. 249; p. 758.
Gorton-Pew Fisheries Company. (See Cooper, Simon, assignor.)
Gorton, Robert, Brookline, Mass. Stud. No. 1,277,060; Aug. 27; v. 253; p. 846.
Gorynski, Bonifacy S., assignor of one-half to Hoyt's Incorporated, Seattle, Wash. Pan-returning device for cake-depositing machines. No. 1,289,443; Dec. 31; v. 257; p. 920.
Goserud, Thorwald, Sturgeon Bay, Wis. Lock-nut. No. 1,267,656; May 28; v. 250; p. 857.
Goslee, Samuel M., Glassport, Pa. Shoe-lace clip. No. 1,280,984; Oct. 8; v. 255; p. 265.
Goss, Charles E. (See Goss, George W. and C. E.)
Goss, George F., deceased; L. J. Goss, administrator, Wallaceton, Pa. Pool-ball rack. No. 1,266,012; May 14; v. 250; p. 344.
Goss, George W. and C. E., Baltimore, Ohio. Gate construction. No. 1,266,581; May 21; v. 250; p. 530.
Goss, George W. and C. E., Baltimore, Ohio. Convertible wagon-bed. No. 1,266,582; May 21; v. 250; p. 530.
Goss, Harry L. (See Marshall and Goss.)
Goss, Harry T., Rutherford, N. J., assignor to George H. Frothingham Co., New York, N. Y. Two-section door. No. 1,260,371; Mar. 26; v. 248; p. 802.
Goss, Harry T., Rutherford, N. J., assignor to George H. Frothingham Company, New York, N. Y. Multisection door. No. 1,264,501; Apr. 30; v. 249; p. 1094.
Goss, Harry T., Rutherford, N. J., assignor to The Aeolian Company. Remote control device. No. 1,283,734; Nov. 5; v. 256; p. 78.
Goss, Harry T., Rutherford, and J. W. Bryce, Bloomfield, N. J., assignors to International Time Recording Company of New York, Endicott, N. Y. Computing-machine. No. 1,284,188; Nov. 5; v. 256; p. 198.
Goss, Leonard J., administrator. (See Goss, George F.)
Goss, Oliver P. M., Seattle, Wash. Preserving wood. No. 1,252,428; Jan. 8; v. 246; p. 319.
Goss Printing Press Company, The. (See Cox, Paul F., assignor.)
Goss Printing Press Company, The. (See Evensen, William, assignor.)
Goss Printing Press Company, The. (See Fankboner, Harland, assignor.)
Goss Printing Press Company, The. (See Goss, Samuel G., assignor.)
Goss Printing Press Company, The. (See Henzi, Albert A., assignor.)
Goss Printing Press Company. (See Seymour, Ralph C., assignor.)
Goss Printing Press Company, The. (See Smith, Ernest J., assignor.)
Goss Printing Press Company. (See Walser, Joseph J., assignor.)
Goss Printing Press Company, The. (See Walser and Fankboner, assignors.)
Goss, Samuel G., Glencoe, assignor to The Goss Printing Press Company, Chicago, Ill. Flat-bed web-printing press. No. 1,259,975; Mar. 19; v. 248; p. 656.
Goss, Samuel G., Glencoe, assignor to The Goss Printing Press Company, Chicago, Ill. Plate-clamp. No. 1,259,976; Mar. 19; v. 248; p. 656.
Goss, Samuel G., Glencoe, assignor to The Goss Printing Press Company, Chicago, Ill. Planographic-printing machine. No. 1,272,032; July 9; v. 252; p. 392.
Goss, William F. M., Urbana, Ill. Locomotive-engine. No. 1,275,672; Aug. 13; v. 253; p. 397.
Gossack, Thomas, Belt, Mont. Respirator. No. 1,256,012; Feb. 12; v. 247; p. 301.
Gossard, Samuel S., and J. E. Crandall, Belvidere, Ill. Headlight control. No. 1,271,565; July 9; v. 252; p. 260.
Gossard, Samuel S., and J. E. Crandall, Belvidere, Ill. Headlight control. No. 1,271,566; July 9; v. 252; p. 261.
Gosse, Selby, Cambridge, Mass. Propelling apparatus. No. 1,273,216; July 23; v. 252; p. 775.
Gosselin, Benoit J. X., London, England. Bottle and like vessel. No. 1,273,479; July 23; v. 252; p. 845.
Gossell, Henry W. (See Gossell, Louis J. and H. W., assignors.)
Gossell, Louis J. and H. W., near Verndale, Minn. Traction-wheel. No. 1,271,887; July 9; v. 252; p. 349.
Gossett, Joseph A., and J. C. Hewitt, assignors to The Canton Foundry and Machine Company, Canton, Ohio. Adjustable bearing-block. No. 1,271,888; July 9; v. 252; p. 350.
Gosso, Alton E., Chicago, Ill. Outdoor bed. No. 1,268,113; June 4; v. 251; p. 13.
Gossum, William I., South Fulton, Tenn. Hay-rake. No. 1,265,649; May 7; v. 250; p. 210.
Gostin, Katharine D., Macon, Ga. Amusement device. No. 1,267,211; May 21; v. 250; p. 708.
Gotchall, William O., Lebanon, Nebr. Traction-engine tender. No. 1,284,316; Nov. 12; v. 256; p. 261.
Gothner, John, assignor of one-fifth to E. W. Cook, one-fifth to W. R. Hallam, one-fifth to J. Haney, and one-fifth to S. L. Perrin, Superior, Wis. Automatic oiler for journal-boxes. No. 1,282,813; Oct. 29; v. 255; p. 863.
Gotti, Constantine J., Tuckahoe, assignor of one-third to S. Fasanello, Brooklyn, and one-third to W. F. Peck, New York, N. Y. Moving-picture apparatus. No. 1,253,372; Jan. 15; v. 246; p. 625.
Gottko, Emery A., Bayonne, N. J. Soot-distributer. No. 1,252,686; Jan. 8; v. 246; p. 394.
Gottschalk, Albert, assignor to National Pneumatic Company, New York, N. Y. Motor for door-operating mechanism. No. 1,277,061; Aug. 27; v. 253; p. 846.
Gottschalk, Esther J., administratrix. (See Gottschalk, Louis.)
Gottschalk, Hugo, Reedsville, Pa. Pan cleaning and greasing machine. No. 1,282,570; Oct. 22; v. 255; p. 768.
Gottschalk, Louis, deceased, Metuchen, N. J.; E. J. Gottschalk, administratrix. Synthetically producing rubber or like substance. No. 1,289,444; Dec. 31; v. 257; p. 920.
Gottschalk, William, assignor to Dutton Dredge Co., San Francisco, Cal. Drainage-gate. No. 1,276,053; Aug. 20; v. 253; p. 535.
Gottstein, Hans H. (See Freedman and Gottstein.)
Gottwals, William O., Washington, D. C. Armored tire. No. 1,281,558; Oct. 15; v. 255; p. 455.
Goubert, Floris, Paris, France. Snap-fastener. No. 1,252,261; Jan. 1; v. 246; p. 237.
Goubert, Floris, Paris, France. Fastener. No. 1,266,583; May 21; v. 250; p. 531.
Goud, Lyman B., Wheeling, W. Va. Device for manually moving automobiles. No. 1,270,724; June 25; v. 251; p. 809.
Goudy, William, *et al.*, executors. (See Baird, James B.)
Goughler, Eli, Youngstown, Ohio. Automobile-jack. No. 1,274,873; Aug. 6; v. 253; p. 152.
Gougnard, Henri C. L., Paris, France, assignor, by mesne assignments, to The Linde Air Products Company, Cleveland, Ohio. Electrolyzing apparatus. No. 1,273,357; July 23; v. 252; p. 813.
Gouin, Edward, *et al.* (See Cummings, Daniel J., assignor.)
Gould, Aaron P., Northwilkesboro, N. C. Mechanical movement for agitating bolters and grain-spouts. No. 1,259,850; Mar. 19; v. 248; p. 618.
Gould & Ash. (See Ash, Charles S., assignor.)
Gould, Augustus W., Seattle, Wash. Railway-tie. No. 1,268,235; June 4; v. 251; p. 47.
Gould, Augustus W., Seattle, Wash. Concrete aggregate and preparing the same. No. 1,268,236; June 4; v. 251; p. 47.
Gould, Charles E., Boyne City, Mich. Auxiliary tire. No. 1,262,324; Apr. 9; v. 249; p. 404.
Gould Coupler Company. (See Bouche, William F., assignor.)
Gould Coupler Company. (See Crosby, Gorham, assignor.)
Gould Coupler Company. (See Davis, Donald C., assignor.)
Gould Coupler Company. (See Jepson, John W., assignor.)
Gould Coupler Company. (See McGary and Sunderland, assignors.)
Gould Coupler Company. (See Richards, Willard F., assignor.)
Gould, David S. (See Rader and Gould.)
Gould & Eberhardt. (See Zimmermann, William F., assignor.)
Gould, Edward G., Oakland, Cal. Rotary engine. No. 1,276,346; Aug. 20; v. 253; p. 616.
Gould, Fred L., assignor of one-twentieth to A. E. Kibble and one-twentieth to J. Capurro, Reno, Nev. Pump. No. 1,256,127; Feb. 12; v. 247; p. 335.
Gould, Harry M., assignor to Gould Tri-Mitre Rule Case Company, Portland, Me. Combined rule and case. No. 1,262,038; Apr. 9; v. 249; p. 325.
Gould, Herbert W. (See Gould, William and H. W.)
Gould, Howard A., and E. C. Mossholder, Pasadena, Cal. Check-valve. No. 1,260,663; Mar. 26; v. 248; p. 888.
Gould, John, Philadelphia, Pa. Fastener for concrete structures for bases or other pieces. No. 1,259,392; Mar. 12; v. 248; p. 455.
Gould Tri-Mitre Rule Case Company. (See Gould, Harry M., assignor.)
Gould, William and H. W., Willesden, London, England. Hot-water heating apparatus. No. 1,289,734; Dec. 31; v. 257; p. 990.
Gouldbourn, Joseph. (See Jerram and Gouldbourn.)

Gouldbourn, Joseph, Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-support for shoe machinery. No. 1,262,778; Apr. 16; v. 249; p. 563.
Gouldbourn, Joseph, Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-trimming machine. No. 1,270,511; June 25; v. 251; p. 753.
Gouldbourn, Joseph, Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Burnishing-tool. No. 1,288,561; Dec. 24; v. 257; p. 679.
Gouldbourn, Joseph, and W. Pratt, Leicester, England, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Nail-feeding means. No. 1,286,291; Dec. 3; v. 257; p. 26.
Gourdon, Jean B., Iota, La. Boat-propeller. No. 1,287,967; Dec. 17; v. 257; p. 506.
Gourley, Edla M., Ashton, Nebr. Tatting-thimble. No. 1,260,187; Mar. 19; v. 248; p. 714.
Gourounas, Nicholas, Millis, Mass. Machine for forming toe-caps. No. 1,262,325; Apr. 9; v. 249; p. 404.
Gove, Edward H., Biddeford, Me. Flushing apparatus. No. 1,263,660; Apr. 23; v. 249; p. 829.
Gove, Henry H., assignor of one-half to J. F. Dean, Biddeford, Me. Rotary valve for internal-combustion engines. No. 1,251,769; Jan. 1; v. 246; p. 98.
Government of the United States. (See Cruess, William V., assignor.)
Government of the United States, The. (See Evans, Louis M., assignor.)
Government of the United States. (See Oglesby, William F., assignor.)
Government of the United States. (See Palmer, Robert C., assignor.)
Government of the United States. (See Tiemann and Betts, assignors.)
Government of the United States. (See Wells, Sidney D., assignor.)
Government of the United States and the People Thereof. (See Olson, George A., assignor.)
Government of the United States and the People Thereof. (See Zerban, Frederick W., assignor.)
Government of the United States of America. (See Fahrenwald, Frank A., assignor.)
Gow, Alexander M., Duluth, Minn. Dump-car. No. 1,251,770; Jan. 1; v. 246; p. 99.
Gow, Alexander M., Duluth, Minn. Crossover. No. 1,271,510; July 2; v. 252; p. 211.
Gow, Alexander M., Duluth, Minn. Gas-producer. No. 1,272,252; July 9; v. 252; p. 454.
Gow, Alexander M., Duluth, Minn. Steam-shovel dipper. No. 1,274,533; Aug. 6; v. 253; p. 56.
Gow, Alexander M., Duluth, Minn. Dump-car control mechanism. No. 1,283,735; Nov. 5; v. 256; p. 78.
Gowen, Thomas G., Boonville, Ind. Means for preventing whipping out of ends of flags. No. 1,270,813; July 2; v. 252; p. 16.
Gower, Eben N., Gainesville, Ga. Reversible fulcrum for brakes. No. 1,258,557; Mar. 5; v. 248; p. 178.
Gower, Marshall T., assignor of two-thirds to W. Hollingsworth, Stockton, and one-third to C. W. Ralph, Los Angeles, Cal. Faucet. No. 1,264,293; Apr. 30; v. 249; p. 1036.
Graaff, Clemens, Berlin, Germany. Fire-extinguishing arrangement for aerial craft. No. 1,286,998; Dec. 10; v. 257; p. 234.
Grabau, Lawrence E., Bonair, Iowa. Snow-plow. No. 1,274,708; Aug. 6; v. 253; p. 105.
Grabe, Clarence G., Wilkinsburg borough, assignor of three-ninths to L. A. Parish, Port Allegany, Pa., and two-ninths to K. P. Fuhrmann, Sault Ste. Marie, Ontario, Canada. Moving-picture machine. No. 1,276,054; Aug. 20; v. 253; p. 536.
Grabe, Georg, Nikolassee, near Berlin, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Automatic interrupter for electromagnetically-operated pawl-and-ratchet mechanism. No. 1,262,326; Apr. 9; v. 249; p. 405.
Grabe, Georg, Nikolassee, assignor to Siemens & Halske A. G., Siemensstadt, near Berlin, Germany. Electromagnetic relay. No. 1,274,874; Aug. 6; v. 253; p. 162.
Grabe, Leo G., St. George, N. Y. Dyeing apparatus, &c. No. 1,261,921; Apr. 9; v. 249; p. 294.
Grabill, John F., assignor of one-half to H. C. Chaffin, Flora, Ill. Radiator foot-rest. No. 1,256,128; Feb. 12; v. 247; p. 336.
Grabill, John F., assignor of one-half to H. C. Chaffin, Flora, Ill. Eccentric-mounting. No. 1,269,075; June 11; v. 251; p. 303.
Grabill, John F., assignor of one-third to E. Arbuthnot and one-third to H. C. Chaffin, Flora, Ill. Drill-socket. No. 1,256,222; Feb. 12; v. 247; p. 365.
Grabowski, Anton F., Chicago, Ill. Hair-curling machine. No. 1,255,410; Feb. 5; v. 247; p. 86.
Grabowski, Stanley, Joliet, Ill. Car-mover. No. 1,256,474; Feb. 12; v. 247; p. 438.
Grace, Charles J., Truro, England. Carbureter. No. 1,274,709; Aug. 6; v. 253; p. 106.
Grace, Edna, Hoquiam, Wash. Maternity-corset. No. 1,267,657; May 28; v. 250; p. 858.
Grace, William P., St. Michaels, Md. Device for drying gum boots. No. 1,280,445; Oct. 1; v. 255; p. 92.
Grady, Frank W., Taft, Cal. Condiment-holder. No. 1,260,765; Mar. 26; v. 248; p. 918.
Grady, John O. Birmingham, Ala. Demountable rim. No. 1,257,844; Feb. 26; v. 247; p. 912.
Graeber, Alfred P. (See Graeber, Dunaway, and Graeber.)
Graeber, Charles F., G. I. Dunaway, and A. P. Graeber, Lytton, Iowa. Wagon end-gate. No. 1,270,026; June 18; v. 251; p. 595.
Graemiger, Benjamin, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Co., Zurich, Switzerland. Operation of centrifugal-compressor plants. No. 1,263,056; Apr. 16; v. 249; p. 641.
Graemiger, Benjamin, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Co., Zurich, Switzerland. Cooling device in multistage centrifugal compressors. No. 1,265,650; May 7; v. 250; p. 210.
Graf, Anton, Worcester, Mass. Gas-consumer for furnaces. No. 1,289,157; Dec. 31; v. 257; p. 847.
Graf-Buchler, Henri. (See Coradi, Oswald, assignor.)
Graf, Emil, assignor of fifty and one-half one-hundredths to C. C. James and twenty-four and one-half one-hundredths to J. D. Champlin, New York, N. Y. Automatic adjustable bearing. No. 1,288,562; Dec. 24; v. 257; p. 679.
Graf, Henry, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Reel for motion-picture films. No. 1,284,653; Nov. 12; v. 256; p. 343.
Graf, Simon J., assignor to W. J. Burke, Syracuse, N. Y. Side seat for motor-cycles. No. 1,278,909; Sept. 17; v. 254; p. 482.
Grafflin, John L., Astoria, N. Y. Apparatus for distillation of coal. No. 1,274,033; July 30; v. 252; p. 1035.
Grafford, Russell D., Marshall, Mich. Rain-alarm. No. 1,285,986; Nov. 26; v. 256; p. 759.
Graham, Andrew W., Buffalo, N. Y. Match and packet therefor. No. 1,286,877; Dec. 3; v. 257; p. 164.
Graham, Andrew W., assignor of one-half to E. M. Treat, Buffalo, N. Y. Combined ledger-type memorial and sepulcher. No. 1,253,812; Jan. 15; v. 246; p. 751.
Graham, Arthur, New York, N. Y. Electrical ignition for internal-combustion engines. No. 1,253,587; Jan. 15; v. 246; p. 687.
Graham, Charles E. (See Hilgeman, Patterson, and Graham.)
Graham, Charles F., Dayton, Ohio. Shade-bracket. No. 1,253,373; Jan. 15; v. 246; p. 626.
Graham, Charles W., Crestwood, assignor to American Can Company, New York, N. Y. Can-end-seaming device. No. 1,262,327; Apr. 9; v. 249; p. 405.
Graham, Charles W., assignor to American Can Company, New York, N. Y. Spraying-machine for can ends and similar articles. No. 1,281,349; Oct. 15; v. 255; p. 399.
Graham, Ellis F. (See Gilchreest and Graham.)
Graham, Elmer, Wray, Colo. Book-holder. No. 1,281,776; Oct. 15; v. 255; p. 512.
Graham, Frank A., Harbor Springs, Mich. Life-boat. No. 1,278,141; Sept. 10; v. 254; p. 245.
Graham, Frank B., Lansing, Mich. Spark-gage. No. 1,265,321; May 7; v. 250; p. 123.
Graham, George E., St. Louis, Mo. Locking steering mechanism for motor-vehicles. No. 1,289,158; Dec. 31; v. 257; p. 847.
Graham, George S., Philadelphia, Pa. Freight-car. No. 1,289,735; Dec. 31; v. 257; p. 990.
Graham, Grant. (See Heule and Graham.)
Graham, Jesse, Leeds, assignor to Bradford Dyers' Association Limited, Bradford, England. Hydraulic accumulator. No. 1,259,393; Mar. 12; v. 248; p. 456.
Graham, Jesse, Leeds, assignor to The Bradford Dyers' Association Limited, Bradford, England. Chain for stretching or tentering fabrics. No. 1,280,442; Oct. 1; v. 255; p. 91.
Graham, John. (See Auld and Graham.)
Graham, John. (See Hinckley and Graham.)
Graham, John G., Granite City, Ill. Sheet-metal-doubling machine. No. 1,252,270; Jan. 1; v. 246; p. 239.
Graham, John T., Halstead, England. Means for supplying liquid hydrocarbon to carbureters. No. 1,257,214; Feb. 19; v. 247; p. 690.
Graham, John T., Halstead, England. Carbureter. No 1,269,423; June 11; v. 251; p. 398.
Graham, Otis G., Portland, Oreg. Jointer. No. 1,283,736; Nov. 5; v. 256; p. 78.
Graham, Robert, Haymount, Cupar, Scotland. Food product and producing same. No. 1,264,876; Apr. 30; v. 249; p. 1196.
Graham, Robert B., Ceresco, Nebr. Chute. No. 1,261,805; Apr. 9; v. 249; p. 263.
Graham, Robert C., Sr., Point Pleasant, N. J. Wire clothes-pin. No. 1,252,262; Jan. 1; v. 246; p. 237.
Graham, Robert C., Sr., Eddystone, Pa. Metallic clothes-pin. No. 1,278,142; Sept. 10; v. 254; p. 246.
Graham, Thomas W., Graham, Colo. Friction drive. No. 1,271,158; July 2; v. 252; p. 114.
Graham, Tom C., Arlington, N. J. Poker-chip holder. No. 1,277,211; Aug. 27; v. 253; p. 887.
Graham, Walton C., Loveland, Colo. Filtering apparatus and system. No. 1,264,635; Apr. 30; v. 249; p. 1132.

Alphabetical list of patentees—Continued.

Graham, Wellington R., Brooklyn, N. Y. Motor-hanger. No. 1,264,059; Apr. 23; v. 249; p. 937.
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Planter. No. 1,255,005; Jan. 29; v. 246; p. 1144.
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Power-lift tractor-lister. No. 1,259,511; Mar. 19; v. 248; p. 520.
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Riding beet-puller. No. 1,261,227; Apr. 2; v. 249; p. 65.
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Frame for agricultural implements and the like. No. 1,265,322; May 7; v. 250; p. 123.
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Cotton-seed-dropping mechanism. No. 1,265,323; May 7; v. 250; p. 123.
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Land-marker for planters. No. 1,267,762; May 28; v. 250; p. 887.
Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Lister-plow. No. 1,271,031; July 2; v. 252; p. 79.
Grahn, Henry. (See Marten, Grahn, and Andresen.)
Grahn, Thorwald E., *et al.* (See Vaughan, Henry H., assignor.)
Grainger, Joseph, and W. H. Strohm, Toronto, Ontario, Canada. Motor-vehicle jack. No. 1,270,407; June 25; v. 251; p. 723.
Grainger, William H., Trenton, N. J. Spark-plug for internal-combustion engines. No. 1,264,870; Apr. 30; v. 249; p. 1194.
Graiziger, Leroy E., Mauston, Wis. Steam-check. No. 1,259,851; Mar. 19; v. 248; p. 619.
Gramolin, Igor. (See Steinberg and Gramolin.)
Gramza, Joseph, Dunkirk, N. Y. Wire-cutting device. No. 1,289,159; Dec. 31; v. 257; p. 848.
Granberg, Albert J., assignor to The Granberg Meter Company, San Francisco, Cal. Liquid-meter. No. 1,282,412; Oct. 22; v. 255; p. 726.
Granberg Meter Company, The. (See Granberg, Albert J., assignor.)
Grand Rapids Brush Company. (See Barnes and Page, assignors.)
Grand Rapids Refrigerator Co. (See Curran, Frank J. M., assignor.)
Grand Rapids Refrigerator Co. (See McGowah, George J., assignor.)
Grand Rapids Refrigerator Company. (See Leonard and Winters, assignors.)
Grand Rapids Show Case Company. (See Vanderveld, Anthony, assignor.)
Grand Rapids Trust Company. (See Kindel, Charles J., assignor.)
Grand Rapids Veneer Works. (See Perry, Thomas D., assignor.)
Grandjean, Arthur, San Diego, Cal. Duplex air-pump for carbureting or gas machines and the like. No. 1,279,859; Sept. 24; v. 254; p. 768.
Granger, Edward J., asignor to D. S. Gardner, Chicago, Ill. Folding and plaiting machine. No. 1,260,766; Mar. 26; v. 248; p. 918.
Granger, Edward J., assignor to D. S. Gardner, Chicago, Ill. Forming folded inserts for game-boards. No. 1,260,767; Mar. 26; v. 248; p. 918.
Granger, Frank B., assignor to Hall-Borchert Dress Form Company, New York, N. Y. Dress-form. No. 1,271,889; July 9; v. 252; p. 350.
Granger, Frank B., assignor to Hall-Borchert Dress Form Company, New York, N. Y. Adjustable standard for dress-forms. No. 1,286,878; Dec. 3; v. 257; p. 164.
Granger, Frank B., assignor to Hall-Borchert Dress Form Company, New York, N. Y. Dress-form. No. 1,286,879; Dec. 3; v. 257; p. 164.
Granger, Frank B., Columbus, Ohio, assignor to Hall-Borchert Dress Form Company, New York, N. Y. Adjustable dress-form. No. 1,271,890; July 9; v. 252; p. 350.
Granlund, Oscar F., assignor to National Equipment Company, Springfield, Mass. Decorating-depositor. No. 1,268,003; May 28; v. 250; p. 955.
Grant, Alexander W. (See Duncan, Charles, assignor.)
Grant, Alexander W., Montreal, Quebec, Canada. Mop. No. 1,259,617; Mar. 19; v. 248; p. 550.
Grant, David, assignor to The Lyman Gun Sight Corporation, Middlefield, Conn. Die mechanism for shaping gun-sights and other articles. No. 1,273,769; July 23; v. 252; p. 922.
Grant, David, assignor to The Lyman Gun Sight Corporation, Middlefield, Conn. Making gun-sights. No. 1,273,770; July 23; v. 252; p. 922.
Grant, Edward C., Ottawa, Ontario, Canada. Box. No. 1,270,286; June 25; v. 251; p. 690.
Grant, Frederick C., Denver, Colo. Pedal attachment for automobiles. No. 1,251,999; Jan. 1; v. 246; p. 164.
Grant, Harlo R., Chicago, Ill. Display-frame. No. 1,254,036; Jan. 22; v. 246; p. 834.
Grant, James. (See Parslow, Samuel R., assignor.)
Grant, Margaret, Akron, Ohio. Process and container for canning or preserving jellies and the like. No. 1,256,307; Feb. 12; v. 247; p. 389.
Grant, Robert, Edmonton, Alberta, Canada. Transmission mechanism. No. 1,257,479; Feb. 26; v. 247; p. 803.
Grant, Rudolph R., Norfolk, Va. Landing and launching system for aeroplanes. No. 1,263,758; Apr. 23; v. 249; p. 854.
Grant, Rudolph R., and C. O. Morse, Norfolk, Va., assignors to V. M. Dorsey, trustee, Washington, D. C. Aeroplane. No. 1,263,757; Apr. 23; v. 249; p. 854.
Grant, William A., Houston, Tex. Wire-spacing attachment for baling-presses. No. 1,277,306; Aug. 27; v. 253; p. 911.
Grant, William D., and E. A. Jackson, Vancouver, British Columbia, Canada; said Jackson assignor to said Grant. Means for punching holes under water. No. 1,263,661; Apr. 23; v. 249; p. 829.
Grant, William P., Salinas, Cal. Safety-pocket. No. 1,256,787; Feb. 19; v. 247; p. 565.
Grantham, S., *et al.* (See Monteith, Thurman H., assignor.)
Granvill, Harry. (See Koch and Granvill.)
Granz, Josef, Plauen, assignor to Vogtländische Maschinen-Fabrik, Plauen, Germany. Embroidering-machine shuttle. No. 1,266,117; May 14; v. 250; p. 374.
Grapevine, James H., Peoria, Ill. Trolley-stop. No. 1,254,683; Jan. 29; v. 246; p. 1050.
Graphoscope Company, The. (See Jenkins, Charles F., assignor.)
Grapp, Albert E., assignor to Despatch Manufacturing Co., Minneapolis, Minn. Flexible electric heater. No. 1,257,339; Feb. 26; v. 247; p. 762.
Grasselli Chemical Company, The. (See Crabbe, Henry J., assignor.)
Grasselli Chemical Company, The. (See Lihme, Iens P., assignor.)
Grasselli Chemical Company, The. (See Ziesing and Carpenter, assignors.)
Grassi, Sebastiano, Ridgefield, Conn. Mill. No. 1,269,424; June 11; v. 251; p. 398.
Grassmann, James E., Columbia township, Hamilton county, Ohio. Printing-form. No. 1,260,976; Mar. 26; v. 248; p. 973.
Grasty, John S., and W. S. Rodman, University, Va. Apparatus for localizing mine explosions by rock-dust barriers. No. 1,261,922; Apr. 9; v. 249; p. 294.
Grasty, John S., and W. S. Rodman, University, Va. Localizing mine explosions by dust barriers. No. 1,261,923; Apr. 9; v. 249; p. 294.
Grasty, John S., and W. S. Rodman, University, Va. Method and apparatus for localizing mine explosions and fires. No. 1,261,924; Apr. 9; v. 249; p. 294.
Gratton, John, San Francisco, Cal. Street-roller. No. 1,270,725; June 25; v. 251; p. 809.
Grauel, Allan, Kitchener, Ontario, Canada. Recovering potassium from potassium-bearing silicates. No. 1,289,736; Dec. 31; v. 257; p. 991.
Graumlich, Solomon M., Circleville, Ohio. Boat. No. 1,262,942; Apr. 16; v. 249; p. 609.
Graveley, Harry V. N., London, England. Side splash-guard for motor-vehicles and other road-vehicles. No. 1,253,959; Jan. 15; v. 246; p. 792.
Graveline, Oscar H., Meriden, Conn. Musical toy. No. 1,258,558; Mar. 5; v. 248; p. 178.
Gravell, James H., New York, N. Y. Cleaning metals. No. 1,268,237; June 4; v. 251; p. 47.
Gravell, James H., New York, N. Y. Galvanized iron. No. 1,273,358; July 23; v. 252; p. 813.
Gravell, James H., New York, N. Y. Preparing pickled iron and steel for painting. No. 1,279,101; Sept. 17; v. 254; p. 533.
Gravell, James H., New York, N. Y. Pickling iron and steel. No. 1,279,331; Sept. 17; v. 254; p. 595.
Gravell, James H., Brooklyn, N. Y., assignor to Thomson Spot Welder Company, Boston, Mass. Treating electrodes for electric welding. No. 1,267,400; May 28; v. 250; p. 786.
Gravert, Reimer N., assignor of forty-nine one-hundredths to R. Tremont, Minneapolis, Minn. Grinder attachment for meat-choppers. No. 1,275,245; Aug. 13; v. 253; p. 280.
Graves, Albert H. (See Graves, Lester S., assignor.)
Graves, Benjamin P., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Milling-machine. No. 1,286,292; Dec. 3; v. 257; p. 26.
Graves, Bert W. (See Oliver and Graves.)
Graves, Churchill G., Roanoke, Va. Wardrobe-trunk. No. 1,284,654; Nov. 12; v. 256; p. 343.
Graves, George S., Dallas, S. D. Gate-operating mechanism. No. 1,266,250; May 14; v. 250; p. 411.
Graves, Henry D., Grant Park, Ill. Portable case for honey, eggs, bread, and the like. No. 1,284,317; Nov. 12; v. 256; p. 261.
Graves, Henry T., Elkhart, Ind. Automobile seat and back construction. No. 1,282,687; Oct. 22; v. 255; p. 800.
Graves, James E. (See Jarrett, Jordan, assignor.)
Graves, Lester S., assignor to A. H. Graves, Evanston, Ill. Weedless fish-hook. No. 1,262,039; Apr. 9; v. 249; p. 325.
Graves, William E., Bloomfield, Nebr. Plunger-valve. No. 1,275,420; Aug. 13; v. 253; p. 328.

Graves, Willie E., Utica, Miss. Mower dump seed-pan. No. 1,280,985; Oct. 8; v. 255; p. 265.
Gravestock, Frank G., San Francisco, Cal., assignor of one-fifth to V. P. Schmit, Pocatello, Idaho. Game. No. 1,263,230; Apr. 16; v. 249; p. 690.
Gravity Carbureter Company, The. (See Costa, Anthony, assignor.)
Gray, Alanson M., Elizabeth, N. J. Cooling-machine. No. 1,286,880; Dec. 3; v. 257; p. 165.
Gray, Andrew, London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Mast. No. 1,257,699; Feb. 26; v. 247; p. 868.
Gray, Arthur S., Piqua, Ohio. Watchman's signaling device. No. 1,288,872; Dec. 24; v. 257; p. 753.
Greer, J. H., *et al.* (See Hively, Charles A., assignor.)
Gray, Arthur W., assignor to The L. D. Caulk Company, Milford, Del. Device for measuring materials for tooth-fillings. No. 1,286,881; Dec. 3; v. 257; p. 165
Gray, Budd D., and R. F. Runge, Philadelphia, Pa., assignors to The Hess-Bright Manufacturing Company. Forming grooves in bearing-rings, &c. No. 1,269,808; June 18; v. 251; p. 537.
Gray, Carl C., Wapakoneta, Ohio. Ensilage-harvester. No. 1,256,683; Feb. 19; v. 247; p. 536.
Gray, Carl C., Wapakoneta, Ohio. Feeder for ensilage-cutters. No. 1,280,211; Oct. 1; v. 255; p. 27.
Gray, Chester E., Eureka, Cal. Process and apparatus for desiccating liquid substances. No. 1,266,013; May 14; v. 250; p. 344.
Gray & Davis Inc. (See Gray, William, assignor.)
Gray & Davis Inc. (See Ledig, Jacob, assignor.)
Gray & Davis. (See Moses, William B., assignor.)
Gray, Eddie L., Tupelo, Miss. Folding poultry-crate. No. 1,252,341; Jan. 1; v. 246; p. 259.
Gray, Edward E., Plano, Ill., assignor to Gray Pneumatic Gear Shift Company. Fluid-pressure motor and transmission apparatus. No. 1,252,799; Jan. 8; v. 246; p. 426.
Gray, Edward E., Plano, Ill., assignor to Gray Pneumatic Gear Shift Company. Gear-shifting mechanism. No. 1,266,584; May 21; v. 250; p. 531.
Gray, Edward E., Plano, Ill., assignor to Gray Pneumatic Gear Shift Company. Gear-shifting mechanism. No. 1,266,585; May 21; v. 250; p. 531.
Gray, Edward E., Plano, Ill., assignor to Gray Pneumatic Gear Shift Company. Emergency-lever. No. 1,270,408; June 25; v. 231; p. 724.
Gray, Edward E., Aurora, Ill., assignor to Gray Pneumatic Gear Shift Company. Gear-shifting mechanism. No. 1,272,423; July 16; v. 252; p. 528.
Gray, Edward J., Newark, N. J. Puzzle. No. 1,281,350; Oct. 15; v. 255; p. 400.
Gray, Emmet P., Detroit, Mich. Muffler. No. 1,276,200; Aug. 20; v. 253; p. 579.
Gray, Frank, Fort Worth, Tex. Telephonometer. No. 1,281,944; Oct. 15; v. 255; p. 558.
Gray, Gardner B., Pittsburgh, Pa. Switch-machine. No. 1,255,598; Feb. 5; v. 247; p. 140.
Gray, Gary N., Scranton, and J. J. McNulty, Olyphant, Pa. Coal-chute. No. 1,254,625; Jan. 22; v. 246; p. 1004.
Gray, George, Stamford, Conn. Oil-engine. No. 1,266,118; May 14; v. 250; p. 374.
Gray, George E., Compton, assignor of one-third to E. A. Carson, Los Angeles, Cal. Carbureter. No. 1,275,150; Aug. 6; v. 253; p. 228.
Gray, George F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,269,534; June 11; v. 251; p. 427.
Gray, Gordon, *et al.* (See Hough, Samuel, assignor.)
Gray, Halla F., Denver, Colo. Carpet-washing machine. No. 1,268,962; June 11; v. 251; p. 270.
Gray, Halla F., Denver, Colo. Carpet-cleaning machine. No. 1,268,963; June 11; v. 251; p. 270.
Gray, Halla F., Denver, Colo. Suction-nozzle for carpet-washing machines. No. 1,283,499; Nov. 5; v. 256; p. 17.
Gray, Harold L., Crawfordsville, Ind. Grain-elevator. No. 1,286,999; Dec. 10; v. 257; p. 234.
Gray, Harold L., assignor to Crabbs Reynolds Taylor Company, Crawfordsville, Ind. Seed-separator. No. 1,277,062; Aug. 27; v. 253; p. 847.
Gray, Harold L., assignor to Crabbs Reynolds Taylor Company, Crawfordsville, Ind. Separating mucilaginous from non-mucilaginous seeds. No. 1,279,377; Sept. 17; v. 254; p. 609.
Gray, Harold L., assignor to Crabbs Reynolds Taylor Company, Crawfordsville, Ind. Seed-separator. No. 1,280,446; Oct. 1; v. 255; p. 92.
Gray-Hawley Manufacturing Company. (See Desmond, John, assignor.)
Gray, Haywood W., Adel, Ga. Boat-propeller. No. 1,256,551; Feb. 19; v. 247; p. 497.
Gray, Henry C., Louisville, Ky. Valve-gear for reciprocating steam-engines. No. 1,261,925; Apr. 9; v. 249; p. 295.
Gray, Herbert L. (See Sanborn, William H., assignor.)
Gray, James A., assignor to American Can Company, San Francisco, Cal. Cutting and applying ring-liners to can ends. No. 1,284,953; Nov. 12; v. 256; p. 421.
Gray, James B., Sidney, Ohio. Speed-indicator. No. 1,286,293; Dec. 3; v. 257; p. 27.
Gray, James H., New York, N. Y. Electric furnace and supplying current thereto. No. 1,278,635; Sept. 10; v. 254; p. 377.
Gray, James H., New York, N. Y. Smelting ore. No. 1,283,500; Nov. 5; v. 256; p. 17.
Gray, James W., Tacoma, Wash. Woodworking-machine. No. 1,284,092; Nov. 5; v. 256; p. 173.
Gray, John C., Waskish, Minn. Rail-clamp. No. 1,263,551; Apr. 23; v. 249; p. 800.
Gray, John C., Waskish, Minn. Railway-tie mold. No. 1,285,682; Nov. 26; v. 256; p. 682.
Gray, John J., Jr. (See Webster, Hyleman A., assignor.)
Gray, John J., Jr., Rockdale, Tenn. Making ferrophosphorus from iron phosphatic material. No. 1,265,076; May 7; v. 250; p. 57.
Gray, John T., Great Falls, Mont. Telephone hook-switch and cut-out. No. 1,269,425; June 11; v. 251; p. 398.
Gray, Joseph E., Fairfield, Ill. Beehive. No. 1,262,779; Apr. 16; v. 249; p. 563.
Gray, Lyle F., Beaver Dam, Wis., assignor to Paramount Hosiery Form Drying Co., Chicago, Ill. Hosiery-finishing form. No. 1,254,626; Jan. 22; v. 246; p. 1004.
Gray, Lyle F., Beaver Dam, L. Wedge, and E. Giese, Waupun, Wis., assignors to Paramount Hosiery Form Drying Co., Chicago, Ill. Hosiery drying and shaping structure. No. 1,279,332; Sept. 17; v. 254; p. 595.
Gray National Telautograph Company. (See Tiffany, George S., assignor.)
Gray, Neal G. (See Hale, Willis W., assignor.)
Gray, Niel, Jr. (See Wadhams, Darius T., assignor.)
Gray, Percy W. (See Taylor and Gray.)
Gray Pneumatic Gear Shift Company. (See Gray, Edward E., assignor.)
Gray, Robert D., Ridgewood, N. J. Reflecting-condenser for enlarging photographs. No. 1,253,813; Jan. 15; v. 246; p. 751.
Gray, Robert H., Columbia, Mo. Ventilating attachment for shirt-neckbands. No. 1,252,263; Jan. 1; v. 246; p. 237.
Gray, Simon P., Tuscaloosa, Ala. Derrick. No. 1,266,119; May 14; v. 250; p. 375.
Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)
Gray, Thomas L., Marshfield, Oreg. Composite vessel. No. 1,268,453; June 4; v. 251; p. 110.
Gray, Walter, assignor of one-half to E. P. Frierson, Fort Huachuca, Ariz. Automatic train-stop. No. 1,277,063; Aug. 27; v. 253; p. 847.
Gray, Wilbur A., Canonsburg, Pa. Current-controlling mechanism for automobile-lights. No. 1,251,507; Jan. 1; v. 246; p. 17.
Gray, William, Brookline, assignor to Gray & Davis Inc., Cambridge, Mass. Automobile construction. No. 1,257,340; Feb. 26; v. 247; p. 763.
Gray, William B., assignor to M. J. Bannon, Louisville, Ky. Sewer construction. No. 1,283,737; Nov. 5; v. 256; p. 78.
Graybill, John E., York, Pa. Protective device. No. 1,262,582; Apr. 9; v. 249; p. 478.
Graydon, Henry C. (See Armstrong, Mack J., assignor.)
Grean, Alexandre M., New York, N. Y. Belting. No. 1,280,716; Oct. 8; v. 255; p. 192.
Grean, Alexandre M., New York, N. Y. Belting. No. 1,280,986; Oct. 8; v. 255; p. 265.
Grean, Alexandre M., New York, N. Y. Belting. No. 1,281,154; Oct. 8; v. 255; p. 313.
Great Lakes Dredge and Dock Company. (See Fucik, Edward J., assignor.)
Great Lakes Dredge & Dock Company, The. (See Wilhelm, Jesse E., assignor.)
Great Northern Paper Company. (See Pope, Charles E., assignor.)
Great Northern Paper Company. (See Schenck, Garrett, Jr., assignor.)
Greaves, Edwin E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Fastener for boxes. No. 1,287,000; Dec. 10; v. 257; p. 234.
Greaves, Henry A., and H. Etchells, Sheffield, England. Electric furnace. No. 1,257,997; Mar. 5; v. 248; p. 14.
Greaza, Charles N., St. Paul, Minn., assignor of one-fourth to C. Rosenberger, New York, N. Y. Tooth-powder can and brush-holder. No. 1,270,512; June 25; v. 251; p. 754.
Greb, Louis, Appleton, Wis. Potato-planter. No. 1,276,646; Aug. 20; v. 253; p. 700.
Grebe, Bernhard, Dresden, Germany. Post-card automat. No. 1,261,381; Apr. 2; v. 249; p. 111.
Greber, Leon, Roslyn, N. Y. Portable lock. No. 1,284,655; Nov. 12; v. 256; p. 344.
Greco, Vito B., Waterloo, Iowa. Heel for boots and shoes. No. 1,289,445; Dec. 31; v. 257; p. 920.
Greeley, James T., Nashua, N. H. Surgical-needle holder. No. 1,266,456; May 14; v. 250; p. 465.
Green, Alfred. (See Twyman and Green.)
Green, Arthur W. (See Lampson, Edward C., assignor.)
Green, Austin E., Easton, Me. Potato-digger. No. 1,276,903; Aug. 27; v. 253; p. 804.
Green, Azaria, St. Paul, Minn. Picture-hanger. No. 1,273,057; July 16; v. 252; p. 706.
Green, Bessie M., administratrix. (See Green, Frank C.)

Green, Charles B., Florence, N. J., assignor to R. D. Wood & Co., Philadelphia, Pa. Hose-nozzle-thread adapter. No. 1,254,497; Jan. 22; v. 246; p. 966.
Green, Charles M., Marblehead, Mass. Wrapping and labeling apparatus. No. 1,280,212; Oct. 1; v. 255; p. 27.
Green, Dallas F., Fort Wayne, Ind. Reel. No. 1,264,636; Apr. 30; v. 249; p. 1133.
Green, Edward D., and E. M. Scott, Chicago, Ill. Comb. No. 1,282,070; Oct. 22; v. 255; p. 632.
Green, Edwin J., assignor of one-half to E. G. Kimmell, Keyser, W. Va. Mechanical movement. No. 1,263,404; Apr. 23; v. 249; p. 758.
Green, Ella D. (See Green, John K., assignor.)
Green, Frank C., deceased; B. M. Green, administratrix, Pittsfield, Mass., assignor to General Electric Company. Protective means for electrical apparatus. No. 1,275,151; Aug. 6; v. 253; p. 228.
Green, Frank W. and N., Oshkosh, Wis. Automobile-headlight. No. 1,269,426; June 11; v. 251; p. 398.
Green, Fred O., Lubbock, Tex. Detent mechanism for wire-stretchers. No. 1,267,540; May 28; v. 250; p. 825.
Green, Fred W. (See Dilley, Arzeno J., assignor.)
Green, Frederick D., Brantford, Ontario, Canada. Folding vehicle-top. No. 1,268,834; June 11; v. 251; p. 235.
Green, George W., Stockton, Ill. Liquid-soap dispenser and lather-former. No. 1,278,636; Sept. 10; v. 254; p. 378.
Green, Harold J., Bolton, England. Gas-producer. No. 1,252,000; Jan. 1; v. 246; p. 164.
Green, Henry M., Kansas City, Mo. Well-cleaning device. No. 1,272,253; July 9; v. 252; p. 454.
Green, Henry M., Kansas City, Mo. Well-cleaning device. No. 1,279,333; Sept. 17; v. 254; p. 595.
Green, Henry W., London, England. Picture-displaying apparatus. No. 1,284,656; Nov. 12; v. 256; p. 344.
Green, Irving A., Worcester, Mass., assignor to Wire Goods Company. Strainer-holder. No. 1,264,917; May 7; v. 250; p. 12.
Green, J. Birchard, assignor to Chicago Steel & Wire Company, Chicago, Ill. Reel. No. 1,264,918; May 7; v. 250; p. 12.
Green, J. Birchard, assignor to Chicago Steel and Wire Company, Chicago, Ill. Reel. No. 1,271,308; July 2; v. 252; p. 156.
Green, James C., Prairie City, Oreg. Crushing attachment for threshing-machines. No. 1,267,658; May 28; v. 250; p. 858.
Green, John B., *et al.* (See Barton, Henry L., assignor.)
Green, John K., assignor to E. D. Green, New York, N. Y. Anchor-bolt. No. 1,283,156; Oct. 29; v. 255; p. 957.
Green, John R., Somerville, Mass. Shoe-rack. No. 1,278,332; Sept. 10; v. 254; p. 298.
Green, Louis G., Philadelphia, Pa. Spring-lubricating device. No. 1,277,911; Sept. 3; v. 254; p. 160.
Green, Merton C., Williamsport, Pa. Burner. No. 1,283,157; Oct. 29; v. 255; p. 958.
Green, Michael B., Memphis, Tenn. Oil-press. No. 1,252,342; Jan. 1; v. 246; p. 259.
Green, Michael J., assignor to Eclipse Gas Stove Company, Rockford, Ill. Wall-burner. No. 1,252,687; Jan. 8; v. 246; p. 394.
Green, Morgan A., and J. N. Shaver, Rupert, Idaho. Resilient tire. No. 1,264,060; Apr. 23; v. 249; p. 938.
Green, Nicholas. (See Green, Frank W. and N.)
Green, Percival, San Francisco, Cal. Cable-clamp. No. 1,272,944; July 16; v. 252; p. 676.
Green, Rolland E., Hastings, Mich. Retouching-pencil. No. 1,279,102; Sept. 17; v. 254; p. 533.
Green, Roy, Bodcaw, Ark. Sawing-machine. No. 1,283,738; Nov. 5; v. 256; p. 79.
Green, Stephen N., Wooster, Ohio. Toy. No. 1,264,637; Apr. 30; v. 249; p. 1133.
Green, Thomas L. (See Frank, Joseph, assignor.)
Green, Walter H. (See Wilsey and Green.)
Green, Walter R., Chicago, Ill. Attaching brace and support for mud-guards. No. 1,266,251; May 14; v. 250; p. 411.
Green, William, Baltimore, Md. Window-bracket. No. 1,261,513; Apr. 2; v. 249; p. 148.
Green, William M., Evanston, Ill. Camera. No. 1,270,612; June 25; v. 251; p. 781.
Green, William M., Evanston, Ill. Camera. No. 1,272,798; July 16; v. 252; p. 635.
Green, William R., Chicago, Ill. Fire-escape. No. 1,272,254; July 9; v. 252; p. 454.
Green, Zedekiah W., Sr., and Z. W., Jr., Sabanno, Tex. Peanut-harvester. No. 1,264,294; Apr. 30; v. 249; p. 1036.
No. 1,287,001; Dec. 10; v. 257; p. 235.
Greenawalt, John E., Denver, Colo. Blower. No. 1,261,806; Apr. 9; v. 249; p. 264.
Greenawalt, John E., New York, N. Y. Fan-blower. No. 1,261,807; Apr. 9; v. 249; p. 264.
Greenawalt, William E., Denver, Colo. Electrolytic process. No. 1,279,860; Sept. 24; v. 254; p. 768.
Greenaway, Wilfred L., Vancouver, British Columbia, Canada. Means for mounting water-gages. No. 1,281,945; Oct. 15; v. 255; p. 558.
Greenberg, Jacob. (See Mallove, Greenberg, and Kieves.)
Greenberg, Louis, *et al.* (See Olson, Gustaf, assignor.)
Greenberg, Robert W., New York, N. Y. Dental apparatus.
Greenberger, Jacques, New York, N. Y. Surgical instrument. No. 1,285,131; Nov. 19; v. 256; p. 503.
Greenblatt, B. R. (See Alexander H. Walter, assignor.)
Greenbowe, James W., West Hoboken, N. J. Cleaning device. No. 1,268,343; June 4; v. 251; p. 78.
Greenbrier, Harry W., Newark, N. J., assignor to A. C. Penn, Inc., New York, N. Y. Safety-razor. No. 1,254,037; Jan. 22; v. 246; p. 835.
Greene, Alvin P., Watertown, N. Y. Attachment for paper-feeding machines. No. 1,253,588; Jan. 15; v. 246; p. 687.
Greene, Augustus A., Providence, R. I. Buckle. No. 1,265,324; May 7; v. 250; p. 123.
Greene, Charles J. (See Van Gofre, Anton, assignor.)
Greene, Clifford, assignor to The Cincinnati Ball Crank Company, Oakley, Cincinnati, Ohio. Steering reach-rod. No. 1,272,033; July 9; v. 252; p. 393.
Greene, David. (See Burner, Benbow, and Greene.)
Greene, Frank, Chicago, Ill. Camera. No. 1,251,654; Jan. 1; v. 246; p. 64.
Greene, George A., Rogers, Tex. Incinerator-closet. No. 1,267,401; May 28; v. 250; p. 786.
Greene, George G., Painesville, Ohio. Track-fastener. No. 1,263,552; Apr. 23; v. 249; p. 800.
Greene, Harold C. (See Moses and Greene.)
Greene, Harold D., Britt, Iowa. Antiskid tire-grip. No. 1,271,699; July 9; v. 252; p. 298.
Greene, Harry S., Woonsocket, R. I. Napping-machine. No. 1,265,905; May 14; v. 250; p. 314.
Greene, Harvey S., administrator. (See Moses and Greene.)
Greene, Hiram M., Chicago, Ill. Protective garment. No. 1,263,553; Apr. 23; v. 249; p. 801.
Greene, James B., Lowndesboro, Ala. Demountable rim. No. 1,257,845; Feb. 26; v. 247; p. 912.
Greene, James H., Brookline, Mass. Staff-holder and spot-marker. No. 1,257,215; Feb. 19; v. 247; p. 690.
Greene, John, Burbank, Cal. Oil-burner. No. 1,257,341; Feb. 26; v. 247; p. 763.
Greene, John S., Rochester, N. Y., assignor to Commercial Camera Company, Providence, R. I. Photographic developing apparatus. No. 1,261,926; Apr. 9; v. 249; p. 295.
Greene, Lemuel A., Greenville, S. C. Classification and grading of cotton. No. 1,286,589; Dec. 3; v. 257; p. 99.
Greene, Morgan A., Rupert, Idaho. Hose-coupling. No. 1,255,738; Feb. 5; v. 247; p. 181.
Greene, Samuel F., Irvington, N. J. Mold for type-casting machines. No. 1,280,717; Oct. 8; v. 255; p. 193.
Greene, Willard B., Boston, assignor to American Optical Company, Southbridge, Mass. Eyeglasses. No. 1,264,295; Apr. 30; v. 249; p. 1037.
Greene, Willard C., and L. E. Shaw, East Orange, N. J. Cigar and cigarette holder. No. 1,271,159; July 2; v. 252; p. 114.
Greenfield, Anthony B., Regan, N. D. Pail. No. 1,263,231; Apr. 16; v. 249; p. 691.
Greenfield, Edwin T., Kiamesha, N. Y. Coating of pipes. No. 1,254,796; Jan. 29; v. 246; p. 1085.
Greenfield, Edwin T., Yonkers, assignor to Greenfield Manufacturing Company, Inc., New York, N. Y. Art relating to the stapling of sheets. No. 1,287,583; Dec. 10; v. 257; p. 379.
Greenfield, Edwin T., Yonkers, assignor to Greenfield Manufacturing Company, Inc., New York, N. Y. Machine for stapling sheets. No. 1,287,584; Dec. 10; v. 257; p. 379.
Greenfield, Elmer R., Wattsburg, Pa. Rock and log puller. No. 1,269,427; June 11; v. 251; p. 398.
Greenfield, George O., Van Wick township, Whatcom county, Wash. Chain-sickle mowing-machine. No. 1,258,671; Mar. 12; v. 248; p. 250.
Greenfield, Hirsh, Chicago, Ill. Hanger for screen and storm sashes. No. 1,278,456; Sept. 10; v. 254; p. 328.
Greenfield, Isador, Providence, R. I. Automobile-radiator. No. 1,289,737; Dec. 31; v. 257; p. 991.
Greenfield, Isidore, Brooklyn, N. Y. Locking and latching mechanism. No. 1,275,246; Aug. 13; v. 253; p. 280.
Greenfield, James L., Sandwich, Ill. Fence-splicer. No. 1,254,402; Jan. 22; v. 246; p. 940.
Greenfield Manufacturing Company. (See Greenfield, Edwin T., assignor.)
Greenfield, Simon, New York, N. Y. Duplex fountain-pen. No. 1,265,325; May 7; v. 250; p. 124.
Greenfield Tap and Die Corporation. (See Wells and Baker, assignors.)
Greenhalgh, Robert H., Salt Lake City, Utah. Brace-bit chuck. No. 1,256,475; Feb. 12; v. 247; p. 438.
Greenhough, James, Liverpool, England. Machine or appliance for planing, slotting, and like operations. No. 1,281,559; Oct. 15; v. 255; p. 455.
Greenlaw, Rupert H., Lawrence, Mass. Telephone-call recorder. No. 1,264,176; Apr. 30; v. 249; p. 1003.
Greenleaf, Louis A., Beverly, Mass. Speedometer. No. 1,265,077; May 7; v. 250; p. 57.
Greenleaf, Pearl I., Farmington, Iowa. Reflector. No. 1,287,968; Dec. 17; v. 257; p. 506.
Greenleaf, Robert P. (See Billings and Greenleaf.)

Greenleaf, William B., assignor to The Markham Air Rifle Co., Plymouth, Mich. Air-gun. No. 1,264,177; Apr. 30; v. 249; p. 1003.
Greenleaf, William B., and E. S. Roe, assignors to The Markham Air Rifle Company, Plymouth, Mich. Air-gun. No. 1,268,238; June 4; v. 251; p. 47.
Greenleaf, William H., Hartford, Conn. Time-controlled mechanism. No. 1,263,554; Apr. 23; v. 249; p. 801.
Greenleaf, William H., Hartford, Conn. Locking device. No. 1,284,890; Nov. 12; v. 256; p. 405.
Greenleaf, William H., Hartford, Conn. Electromagnet. No. 1,284,891; Nov. 12; v. 256; p. 405.
Greenley, Thomas D., Glen Ridge, N. J., assignor to Ellis-Foster Company. Making phthalic anhydrid. No. 1,261,022; Apr. 2; v. 249; p. 10.
Greenman, La Roy, Holland, Mich. Poultry-guard. No. 1,272,657; July 16; v. 252; p. 595.
Greenpoint Metallic Bed Company. (See Basile, Joseph, assignor.)
Greenpoint Metallic Bed Company. (See Frank, Louis, assignor.)
Greensfelder, Elmer L., Baltimore, Md. Method and apparatus for synchronously producing sounds to accompany motion-pictures. No. 1,254,684; Jan. 29; v. 246; p. 1050.
Greenstein, Abraham, New York, N. Y. Duplicate sales-book. No. 1,261,514; Apr. 2; v. 249; p. 148.
Greenstreet, Jason H., Indianapolis, Ind. Box-blank and box. No. 1,280,718; Oct. 8; v. 255; p. 193.
Greenup, Rebecca A., St. Louis, Mo. Sad-iron holder for ironing-boards. No. 1,277,912; Sept. 3; v. 254; p. 160.
Greenwald, Lemon, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Air-valve for pneumatic tires. No. 1,255,411; Feb. 5; v. 247; p. 86.
Greenway, Robert B., San Bernardino, Cal. Draining device for cylinders. No. 1,287,969; Dec. 17; v. 257; p. 507.
Greenwell, Glenn F., Glendale, Ky. Screen. No. 1,270,287; June 25; v. 251; p. 690.
Greenwood Chemical Company. (See Truell, Calista Z., assignor.)
Greenwood, Edgar, Bradford, and A. Sharp, Manchester, England. Apparatus for use in connection with molding, shaping, or otherwise working dough. No. 1,271,700; July 9; v. 252; p. 299.
Greer, Butler F., San Francisco, Cal. Display-cabinet. No. 1,266,457; May 14; v. 250; p. 465.
Greer, G. T. (See Fontaine, Robert A., assignor.)
Greer, George T., and R. A. Fontaine, Roanoke, Va. Loading and unloading attachment for vehicles. No. 1,252,899; Jan. 8; v. 246; p. 453.
Greer, John H., Fort Worth, Tex. Candy-wrapping machine. No. 1,272,799; July 16; v. 252; p. 635.
Greer, Morgan L., Myra, Ky. Auger. No. 1,262,328; Apr. 9; v. 249; p. 405.
Greer, Urasmus G., Anderson, Mo. Shock-loader. No. 1,253,170; Jan. 8; v. 246; p. 536.
Greeson, Merton H., Tampa, Fla. Ball-cock. No. 1,271,459; July 2; v. 252; p. 196.
Gregg, Charles N. (See Brienza, Angelo, assignor.)
Gregg, Clarence, Pitt Bridge, Tex. Machine-gun. No. 1,277,307; Aug. 27; v. 253; p. 911.
Gregg Company, The. (See Gregg, Otis T., assignor.)
Gregg, Marjorie T., Boston, Mass. Nethergarment. No. 1,272,034; July 9; v. 252; p. 393.
Gregg, Otis T., assignor to The Gregg Company, Limited, Hackensack, N. J. Metallic cross-tie. No. 1,251,508; Jan. 1; v. 246; p. 17.
Gregg, Robert W., assignor to The Elwood Myers Company, Springfield, Ohio. Shoe-shining kit. No. 1,272,424; July 16; v. 252; p. 528.
Gregg, William E. (See Hamilton, Frank L., assignor.)
Gregoire, Henry. (See Jaminet and Gregoire.)
Gregory, Alva E., Oklahoma, Okla. Adjustment-table. No. 1,280,987; Oct. 8; v. 255; p. 265.
Gregory, Dean A. (See Waterman, Charles H., assignor.)
Gregory, George P. (See Scrannage and Gregory.)
Gregory, George P., assignor to Boston Auto Gage Company, Boston, Mass. Gage. No. 1,278,910; Sept. 17; v. 254; p. 482.
Gregory, Hansford L., South Richmond, Va. Indicator for tobacco-drying machines. No. 1,268,004; May 28; v. 250; p. 956.
Gregory, Hulet C., Center, assignor of one-half to J. A. Davis, Kosciusko, Miss. Fertilizer-distributer. No. 1,280,103; Sept. 24; v. 254; p. 835.
Gregory, James T., Washington, D. C. Airplane safety device. No. 1,268,710; June 4; v. 251; p. 181.
Gregory, Jean C., New York, N. Y. Finger-shield. No. 1,257,846; Feb. 26; v. 247; p. 912.
Gregory, Nathaniel A., Chase City, Va. Garden or field tool. No. 1,283,739; Nov. 5; v. 256; p. 79.
Gregory, Ralph, Mount Washington, and W. E. Minton, Kansas City, Mo. Oil-well-cleaning apparatus. No. 1,271,511; July 2; v. 252; p. 211.
Gregory, William F., Sausalito, Cal. Toy power-machine. No. 1,260,664; Mar. 26; v. 248; p. 888.
Greimann, George H., Garner, Iowa. Excavator. No. 1,287,675; Dec. 17; v. 257; p. 433.
Greinacher, Heinrich, Zurich, Switzerland, and C. W. Miller, Somerville, Mass. Method and arrangement of apparatus for the detection and measurement of alternating currents and other currents of periodic nature. No. 1,287,970; Dec. 17; v. 257; p. 507.
Greiner, Alfred. (See Farrelly and Greiner.)
Greiner, Otto, New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Safety device. No. 1,268,114; June 4; v. 251; p. 13.
Greist, Hubert M., assignor to Greist Manufacturing Co., New Haven, Conn. Safety device for presses. No. 1,259,977; Mar. 19; v. 248; p. 657.
Greist, Lewis T., assignor to Forsyth Brothers Company, Chicago, Ill. Vehicle-wheel. No. 1,256,788; Feb. 19; v. 247; p. 566.
Greist Manufacturing Co., The. (See Greist, Hubert M., assignor.)
Greist Manufacturing Company, The. (See Russell, Herbert H., assignor.)
Grelck, William P. M., Lincoln, Nebr. Milk-food product and making the same. No. 1,272,035; July 9; v. 252; p. 393.
Gresham Finance Corporation Limited, The. (See Scott, Bateman D., assignor.)
Gresham, Len, assignor of one-half to E. D. Macfee, Jr., Petersburg, Va. Ignition attachment for internal-combustion engines. No. 1,277,913; Sept. 3; v. 254; p. 160.
Gressett, Joseph B., Jr., Meridian, Miss. Railway-tie. No. 1,273,217; July 23; v. 252; p. 776.
Gressle, Charles W., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Vehicle-wheel with demountable rim. No. 1,264,178; Apr. 30; v. 249; p. 1004.
Gressle, Charles W., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Flange-rolling mechanism. No. 1,268,239; June 4; v. 251; p. 47.
Grether, William, Dayton, Ohio. Portable electric lantern. No. 1,273,851; July 30; v. 252; p. 983.
Grether, William, Dayton, Ohio. Portable signaling search-light. No. 1,282,219; Oct. 22; v. 255; p. 673.
Grether, William, Dayton, Ohio. Portable electric lantern. No. 1,286,590; Dec. 3; v. 257; p. 99.
Greulich, Richard, Ludwigshafen-on-the-Rhine, Germany, and H. Lickfett, Rjukan, Telemarken, Norway, assignors to Gebrüder Giulini, G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Manufacture of metal nitrogen compounds. No. 1,268,240; June 4; v. 251; p. 48.
Greuter, Charles R., Saugus, Mass. Carbureter. No. 1,269,809; June 18; v. 251; p. 537.
Greuter, Charles R., Saugus, Mass. Carbureter. No. 1,272,036; July 9; v. 252; p. 393.
Greutmann, Roma M., W. J., and J., Miller, Nebr. Combination wire-stretcher and wagon-jack. No. 1,257,216; Feb. 19; v. 247; p. 691.
Greutmann, William J. (See Greutmann, Roma M., W. J., and J.)
Greve, Edgar E., assignor to Oil Well Supply Company, Pittsburgh, Pa. Rotary drilling apparatus. No. 1,259,852; Mar. 19; v. 248; p. 619.
Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Swivel for rotary well-drilling rigs. No. 1,259,853; Mar. 19; v. 248; p. 619.
Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Oil-bath rotary swivel. No. 1,259,854; Mar. 19; v. 248; p. 619.
Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Rotary drilling apparatus. No. 1,259,855; Mar. 19; v. 248; p. 620.
Grewe, John, Cincinnati, Ohio. Tire. No. 1,253,960; Jan. 15; v. 246; p. 792.
Grey Iron Casting Company. (See Coventry, William A., assignor.)
Grey, Nicholas, New Brunswick, N. J. Window-screen. No. 1,264,638; Apr. 30; v. 249; p. 1133.
Grey, William S., Seattle, assignor of one-half to H. A. Ammann, Spokane, Wash. Water-heater. No. 1,264,061; Apr. 23; v. 249; p. 938.
Grey, Willis L., Sr., Modesto, Cal. Ditching-machine. No. 1,284,318; Nov. 12; v. 256; p. 261.
Gribbel, John. (See Atherton, Charles, assignor.)
Gribben, Earl R., Polk, Ohio. Till. No. 1,261,515; Apr. 2; v. 249; p. 149.
Gribble, James L., and G. L. Willett, Louisville, Ky. Advertising device. No. 1,266,014; May 14; v. 250; p. 344.
Gricar, John, Lowell, Ariz. Coal-mining machine. No. 1,278,333; Sept. 10; v. 254; p. 298.
Grider, Herbert E., Barton, N. D. Spring-hub. No. 1,264,502; Apr. 30; v. 249; p. 1095.
Grieb, Alfred, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Smocking device for sewing-machines. No. 1,255,526; Feb. 5; v. 247; p. 119.
Grieb, Alfred, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Hat-sewing machine. No. 1,283,501; Nov. 5; v. 256; p. 17.
Griem, Otto C., assignor to Berry Brothers, Detroit, Mich. Melting varnish-gums. No. 1,265,326; May 7; v. 250; p. 124.
Gries, William, Newark, N. J. Lifting-jack. No. 1,254,797; Jan. 29; v. 246; p. 1085.

Gries, William, Newark, N. J. Demountable rim. No. 1,261,120; Apr. 2; v. 249; p. 37.
Gries, William, Newark, N. J. Wind-shield for motor-trucks. No. 1,262,329; Apr. 9; v. 249; p. 406.
Gries, William, Newark, N. J. Handle for lifting and other uses. No. 1,267,659; May 28; v. 250; p. 858.
Griesche, Gustav, Berkeley, Cal. Stone saw and feeder. No. 1,256,684; Feb. 19; v. 247; p. 536.
Griesche, Gustav, Berkeley, Cal. Granite and stone saw. No. 1,256,685; Feb. 19; v. 247; p. 536.
Griese, Rudolph, Galva, Iowa. Ensilage-machine. No. 1,279,103; Sept. 17; v. 254; p. 533.
Griesel, John C., Pottsville, Pa. Automatic switch for electric irons. No. 1,275,552; Aug. 13; v. 253; p. 363.
Griesel, John C., assignor of one-half to C. F. Schlintz, Pottsville, Pa. Incubator. No. 1,257,847; Feb. 26; v. 247; p. 912.
Griesinger, John, Los Angeles, Cal. Book-sewing machine. No. 1,266,793; May 21; v. 250; p. 591.
Grieve, Thomas, Perth Amboy, N. J., assignor of one-third to J. M. Gifford, New York, N. Y. Apparatus for removing non-gaseous particles from the products of combustion from boilers. No. 1,278,334; Sept. 10; v. 254; p. 298.
Grieves, Albert, Springfield, Ohio, assignor to International Harvester Company of New Jersey. Reaper-switch-control mechanism. No. 1,257,700; Feb. 26; v. 247; p. 869.
Griffin, Alvah M., Kansas City, Mo. Air-blast oil-stove. No. 1,279,536; Sept. 24; v. 254; p. 674.
Griffin, Alvah M., Kansas City, Mo., assignor to A. A. Kramer, Kansas City, Kans. Metal-bending machine. No. 1,258,892; Mar. 12; v. 248; p. 313.
Griffin, Alvah M., Kansas City, Mo., assignor of one-half to A. A. Kramer, Kansas City, Kans. Machine for shaping the heads of barrels or the like. No. 1,262,780; Apr. 16; v. 249; p. 563.
Griffin, Cecil M., Newburgh, N. Y. Tube-cleaning tool. No. 1,280,443; Oct. 1; v. 255; p. 92.
Griffin, Dee T. (See David and Griffin.)
Griffin, Edward G., Cliffside, N. J., assignor to The Barrett Company. Making salts of anthraquinone sulfonic acids. No. 1,260,535; Mar. 26; v. 248; p. 850.
Griffin, Francis B., *et al.* (See Darby, John, assignor.)
Griffin, Frank H., San Francisco, Cal. Combined closure and spout for cans. No. 1,264,503; Apr. 30; v. 249; p. 1095.
Griffin, George N. (See McFarland and Griffin.)
Griffin, Gerald G., New York, N. Y. Explosive shell. No. 1,276,347; Aug. 20; v. 253; p. 616.
Griffin, Henry W., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,254,038; Jan. 22; v. 246; p. 835.
Griffin, James T., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mica-grinding machine. No. 1,263,057; Apr. 16; v. 249; p. 642.
Griffin, John B., assignor to Landers, Frary & Clark, New Britain, Conn. Percolator-pump. No. 1,251,509; Jan. 1; v. 246; p. 17.
Griffin, Joseph W., New York N. Y., and F. M. McHugh, Weehawken, N. J. Train control. No. 1,253,027; Jan. 8; v. 246; p. 495.
Griffin, Leo B., Muskegon, Mich. Traveling buck for tire-building machines. No. 1,278,637; Sept. 10; v. 254; p. 378.
Griffin, Lewis B., Candor, N. Y. Film-rectifier. No. 1,273,359; July 23; v. 252; p. 813.
Griffin, Lorne A., Evanston, assignor to American Steam Conveyer Corporation, Chicago, Ill. Ash-conveyer elbow. No. 1,258,893; Mar. 12; v. 248; p. 313.
Griffin, Lorne A., and L. C. Vanderlip, Elkhart, Ind., assignors to American Steam Conveyer Corporation, Chicago, Ill. Suction apparatus for conveyer-conduits. No. 1,271,567; July 9; v. 252; p. 261.
Griffin, Luther D., A. J., and G. W. Stewart, Blocton, Ala. Insect-catcher. No. 1,256,552; Feb. 19; v. 247; p. 497.
Griffin, Michael J., Hartford, Conn. Horseshoe-calk. No. 1,264,919; May 7; v. 250; p. 13.
Griffin, Patrick J., Anniston, Ala. Furnace-roof. No. 1,274,034; July 30; v. 252; p. 1035.
Griffin, Patrick H., New York, N. Y., assignor of one-fourth to H. H. Vaughan, Montreal, Quebec, Canada. Casting apparatus. No. 1,281,946; Oct. 15; v. 255; p. 558.
Griffin, William, Ocean Gate, N. J. Berry-harvesting machine. No. 1,277,715; Sept. 3; v. 254; p. 107.
Griffin, William E., Beatrice, Nebr. Nut-lock. No. 1,260,188; Mar. 19; v. 248; p. 714.
Griffin, William H. H., Goree, Tex. Ring for disseminating perfumes, &c. No. 1,257,848; Feb. 26; v. 247; p. 912.
Griffing, Andrew N., *et al.* (See Crowe, William L., assignor.)
Griffing, Charles E., *et al.* (See Crowe, William L., assignor.)
Griffing, Charles E., assignor to W. H. Kennedy, Los Angeles, Cal. Explosive. No. 1,282,413; Oct. 22; v. 255; p. 726.
Griffith, Alfred, McAlester, Okla. Fastener for collars and the like. No. 1,258,112; Mar. 5; v. 248; p. 48.
Griffith, Charles A., Park City, Tenn. Railway. No. 1,268,344; June 4; v. 251; p. 78.
Griffith, Charles O., Rockville, Wormit, Scotland. Production of metallic sulfids. No. 1,261,023; Apr. 2; v. 249; p. 10.
Griffith, Claude M., *et al.* (See Forsyth, Benjamin F., assignor.)
Griffith, Emmit G., Brooklyn, N. Y., assignor, by mesne assignments, to Underwood Computing Machine Company. Combined type-writing and computing machine. No. 1,263,881; Apr. 23; v. 249; p. 889.
Griffith, Graves, San Francisco, Cal. Projectile. No. 1,283,158; Oct. 29; v. 255; p. 958.
Griffith, Israel L. (See Dicks and Griffith.)
Griffith, James E., Austin, Tex. Chair-cot. No. 1,271,701; July 9; v. 252; p. 299.
Griffith, John B. (See Eustice and Griffith.)
Griffith, John B., assignor to A. L. Eustice, Chicago, Ill. Cartridge-fuse. No. 1,278,911; Sept. 17; v. 254; p. 483.
Griffith, John C. (See Fite, Frank J., assignor.)
Griffith, Leona M., *et al.* (See Forsyth, Benjamin F., assignor.)
Griffith, Margaret E., Philadelphia, Pa. Receptacle. No. 1,273,480; July 23; v. 252; p. 845.
Griffith, Raymond E., Chicago, Ill. Apparatus for burning liquid fuel. No. 1,284,657; Nov. 12; v. 256; p. 344.
Griffith, Ralph R., Minneapolis, Minn. Wheel. No. 1,268,241; June 4; v. 251; p. 48.
Griffith, Ralph R., Minneapolis, Minn. Split pulley. No. 1,268,242; June 4; v. 251; p. 48.
Griffith, Victor, San Francisco, Cal. Internal-combustion pump. No. 1,257,217; Feb. 19; v. 247; p. 691.
Griffith, Walter R. (See Holliday, Thomas B., assignor.)
Griffith, William, *et al.* (See Glynn, Stephen A., assignor.)
Griffith, William H., Somerville, Mass. Chuck. No. 1,263,058; Apr. 16; v. 249; p. 642.
Griffith, William H. (See Cary, James H., assignor.)
Griffiths, Daniel, Pittsburgh, Pa. T-square. No. 1,268,711; June 4; v. 251; p. 181.
Griffiths, Edwin, Chester, W. Va. Cage for pickling metal plates. No. 1,277,914; Sept. 3; v. 254; p. 161.
Griffiths, Ira H., Syracuse, N. Y. Dental-powder container and feeder. No. 1,289,446; Dec. 31; v. 257; p. 921.
Griffiths, Samuel, Kansas City, Kans. Shock-absorbing spring. No. 1,275,247; Aug. 13; v. 253; p. 280.
Griffiths, Stanley A. (See Tracy, Peters, Griffiths, and Hebert.)
Griggs, James. (See Lambert, Howard J., assignor.)
Griggs, Harry. (See Biernat, Carl, assignor.)
Griggs, Stephen A. (See Byron, Orra E., assignor.)
Grikscheit, William, Detroit, Mich. Drain-cock. No. 1,267,763; May 28; v. 250; p. 887.
Grikscheit, William, Detroit, Mich. Priming-cock. No. 1,282,071; Oct. 22; v. 255; p. 632.
Grim, John W., Abbottstown, Pa. Automobile-curtain. No. 1,256,013; Feb. 12; v. 247; p. 301.
Grimes, Edmund V. (See Marshall, Henry, assignor.)
Grimes, Harry M., Kokomo, Ind. Game. No. 1,285,132; Nov. 19; v. 256; p. 503.
Grimes, Lester A., Orange, N. J. Forming soldered fusible links. No. 1,269,428; June 11; v. 251; p. 399.
Grimm, George W., West Hoboken, N. J. Artificial tooth. No. 1,270,942; July 2; v. 252; p. 54.
Grimm, George W., West Hoboken, N. J. Artificial tooth. No. 1,270,943; July 2; v. 252; p. 54.
Grimm, Gerhardt E., Collingswood, N. J. Sanitary telephone attachment. No. 1,280,016; Sept. 24; v. 254; p. 812.
Grimm, Max F., San Antonio, Tex. Locking device for steering-wheels. No. 1,266,935; May 21; v. 250; p. 630.
Grimm, Philip C., and J. A. Van Sickle, Lincoln, Wash. Automobile power-jack. No. 1,252,688; Jan. 8; v. 246; p. 394.
Grimm, Theodore E., Newark, assignor to J. K. Osborn Manufacturing Company, Harrison, N. J. Bag-fastener. No. 1,254,323; Jan. 22; v. 246; p. 917.
Grimshaw, William, Glenellyn, Ill. Fire-extinguisher. No. 1,268,454; June 4; v. 251; p. 110.
Grimson, Samuel B., New York, N. Y. Musical time and rhythm indicating device. No. 1,261,382; Apr. 2; v. 249; p. 111.
Grimsrud, Emil, Antelope, Mont. Plow. No. 1,253,961; Jan. 15; v. 246; p. 792.
Grinberg, Adolph J., now by change of name A. J. Grinnell, New York, N. Y., and B. Field, Plymouth, Mass. Treating organic matter for fertilizer purposes. No. 1,268,563; June 4; v. 251; p. 140.
Grinden, William J., Brooklyn, N. Y. Barrel. No. 1,263,232; Apr. 16; v. 249; p. 691.
Grings, Casper H., Waterloo, Iowa. Cover for wind-shields. No. 1,253,814; Jan. 15; v. 246; p. 751.
Grings, Casper H., Waterloo, Iowa. Device for stapling leather loops. No. 1,256,553; Feb. 19; v. 247; p. 497.
Grinnell, Adolf J. (See Grinberg and Field.)
Grinnell, Brayton C., Vancouver, British Columbia, Canada. Glove. No. 1,252,900; Jan. 8; v. 246; p. 454.
Grinnell, Emma. (See Hopkins, Ephraim S., assignor.)

Grinnell, Harold D., Pittsfield, Mass. Incandescent-lamp remover and replacer. No. 1,288,873; Dec. 24; v. 257; p. 753.
Grinnell Washing Machine Company. (See Lewis, George W., assignor.)
Grinstead, Christopher T. (See Powell, James R., assignor.)
Grip Nut Company. (See Hibbard, Edward R., assignor.)
Grip Nut Company. (See Sharp, William E., assignor.)
Griscom-Russell Company, The. (See Bunnell and Peterson, assignors.)
Grissom, Francis M. (See Moon and Grissom.)
Griswold, Albert A., Providence, R. I., assignor of one-half to J. F. Chevalier, Brookline, Mass. Flexible shingle. No. 1,274,410; Aug. 6; v. 253; p. 19.
Griswold, Albert A., Providence, R. I., assignor of one-half to J. F. Chevalier, Brookline, Mass. Roof construction and the like. No. 1,279,684; Sept. 24; v. 254; p. 718.
Griswold, James H., *et al.*, administrators. (See Bryant, Richard S., assignor.)
Griswold, John C., *et al.* (See Tietzmann, Charles, assignor.)
Griswold, Leslie W., Cooper, Iowa. Heat-controller for air-cooled engines. No. 1,257,218; Feb. 19; v. 247; p. 691.
Griswold, Leslie W., Cooper, Iowa. Heat-controller for air-cooled engines. No. 1,257,219; Feb. 19; v. 247; p. 691.
Griswold Manufacturing Company, The. (See Hollands, John C., assignor.)
Griswold Manufacturing Company, The. (See Pfirman, Valentine D., assignor.)
Griswold, Philip D., Chicago, Ill., assignor to Buffington Wheel Company, Burlington, Iowa. Axle for wagons. No. 1,286,294; Dec. 3; v. 257; p. 27.
Griswold, Robert G., assignor to Montague Mailing Machinery Company, Chattanooga, Tenn. Selector printing mechanism. No. 1,257,480; Feb. 26; v. 247; p. 803.
Griswold, Thomas. (See Dow and Griswold.)
Griswold, Thomas, Jr. (See Barstow and Griswold.)
Gritman, George S. (See Clark, James T., assignor.)
Groat, Joseph E., Webster, Mass., assignor to B. A. Corbin and Son Company. Apparatus for treating shoes. No. 1,269,429; June 11; v. 251; p. 399.
Groat, Luther E., assignor, by mesne assignments, of one-half to himself and one-half to A. E. Ziegler, Los Angeles, Cal. Elevator-door-actuating device. No. 1,269,927; June 18; v. 251; p. 568.
Grob, Armin, and J. Würgler, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Condensation product of gallocyanin dyestuffs with amins and making same. No. 1,268,455; June 4; v. 251; p. 110.
Grob, Hugo, Zurich, Switzerland, assignor to Safety Car Heating & Lighting Company. Electrical system. No. 1,256,223; Feb. 12; v. 247; p. 365.
Grob, Hugo, Zurich, Switzerland, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany. Drive mechanism. No. 1,261,746; Apr. 2; v. 249; p. 211.
Grobe, Charles W., Troy, N. Y. Lettering-brush. No. 1,260,189; Mar. 19; v. 248; p. 714.
Grobe, Julius J., assignor of one-half to J. S. Thelen, Chicago, Ill. Holder for thread-cutting devices. No. 1,277,915; Sept. 3; v. 254; p. 161.
Groble, Jacob C., Anderson, Ind. Gas-regulator. No. 1,281,560; Oct. 15; v. 255; p. 455.
Groble, Jacob C., Anderson, Ind. Gas-pressure regulator. No. 1,283,502; Nov. 5; v. 256; p. 18.
Groce, Rodney R., Parkersburg, W. Va. Measuring device. No. 1,270,149; June 18; v. 251; p. 628.
Groch, Frank, Cobalt, Ontario, Canada. Ore concentration. No. 1,276,753; Aug. 27; v. 253; p. 766.
Groch, Frank, Cobalt, Ontario, Canada. Apparatus for ore concentration. No. 1,281,351; Oct. 15; v. 255; p. 400.
Groch, Frank, Cobalt, Ontario, Canada. Apparatus for ore concentration. No. 1,283,159; Oct. 29; v. 255; p. 958.
Grodi, Charles C. (See Campau, Julian G., assignor.)
Groebli, Joseph A., New York, N. Y. Embroidering-machine. No. 1,263,882; Apr. 23; v. 249; p. 890.
Groebli, Joseph A., New York, N. Y. Embroidering-machine. No. 1,268,243; June 4; v. 251; p. 48.
Groene, William F., assignor to The R. K. Leblond Machine Tool Company, Cincinnati, Ohio. Clutch. No. 1,288,563; Dec. 24; v. 257; p. 679.
Groff, Clarence B., Camden, N. J. Drill. No. 1,283,740; Nov. 5; v. 256; p. 79.
Groff, Noah H., Ardmore, Pa. Tool-holder. No. 1,287,971; Dec. 17; v. 257; p. 507.
Groff, William E. (See Rich and Groff.)
Grogan, Edward W., Byers, Tex. Quick-adjusting wrench. No. 1,269,275; June 11; v. 251; p. 358.
Grogan, Edward W., Byers, Tex. Combination fence and repair tool. No. 1,272,658; July 16; v. 252; p. 596.
Grogan, Edward W., Byers, assignor of one-fourth to W. R. Stone, Wichita Falls, Tex. Latch for grain-car doors. No. 1,257,849; Feb. 26; v. 247; p. 913.
Groh, Bernard C. (See Neir and Groh.)
Groh, Bernard C., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,271,032; July 2; v. 252; p. 79.
Groh, Robert C., assignor of one-half to W. T. Engelman, St. Paul, Minn. Telephone attachment. No. 1,288,456; Dec. 17; v. 257; p. 624.
Groh, Robert C., and M. A. Hansen, assignors of one-fourth to O. J. Dufrene and one-fourth to H. A. Svendsen, St. Paul, Minn. Priming-heater for automobiles. No. 1,265,192; May 7; v. 250; p. 89.
Grohmann, Arthur, Wilmington, Del. Boat-launching apparatus. No. 1,265,771; May 14; v. 250; p. 276.
Grohn, Henry P., assignor to C. A. Shoemaker, Chicago, Ill. Tank-car. No. 1,253,028; Jan. 8; v. 246; p. 495.
Grohnert, Alfred F., assignor of one-half to A. F. Martel, Burlingame, Cal. Automatic controlling device for pumping plants. No. 1,252,343; Jan. 1; v. 246; p. 259.
Grojean, Louis A., Marysville, Cal. Bean-harvester. No. 1,264,385; Apr. 30; v. 249; p. 1061.
Groleau, Wilfred S., La Salle, Ill. Life-saving device. No. 1,276,055; Aug. 20; v. 253; p. 536.
Grom, Henry W., Los Angeles, and F. D. Terry, Pasadena, Cal. Electrically-controlled temperature-regulator. No. 1,267,069; May 21; v. 250; p. 668.
Gromann, Carl F., New York, N. Y. Illuminating device for vehicles. No. 1,266,678; May 21; v. 250; p. 559.
Gronager, Holger J. J., assignor of one-half to E. Claeson, Bridgeport, Conn. Combination square and bevel. No. 1,255,158; Feb. 5; v. 247; p. 13.
Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Twisting-machine. No. 1,263,405; Apr. 23; v. 249; p. 758.
Grondal, Axel W., Chicago, Ill. Auxiliary seat. No. 1,282,220; Oct. 22; v. 255; p. 673.
Gronvold, Christian H. M., and M. Jackson, North Yakima, Wash. Non-skid and emergency brake attachment. No. 1,264,386; Apr. 30; v. 249; p. 1061.
Groo, John L., Salt Lake City, Utah. Antifreezing device for water-pipes. No. 1,265,772; May 14; v. 250; p. 277.
Groomes, Reid T., Chicago, Ill. Chase-fastening. No. 1,272,659; July 16; v. 252; p. 596.
Groschupp, Reinhardt O., Olean, N. Y. Safety-check. No. 1,277,570; Sept. 3; v. 254; p. 65.
Grosjean, James E., *et al.* (See Montgomery, Leon F., assignor.) (Reissue.)
Gross, Allan J., assignor of two-thirds to J. L. Kennedy, Chicago, Ill. Fusible link. No. 1,278,912; Sept. 17; v. 254; p. 483.
Gross, Allan J., assignor of two-thirds to J. L. Kennedy, Chicago, Ill. Automatic sprinkler. No. 1,285,133; Nov. 19; v. 256; p. 503.
Gross, Allan J., assignor of two-thirds to J. L. Kennedy, Chicago, Ill. Retarded-alarm valve and the like. No. 1,287,972; Dec. 17; v. 257; p. 507.
Gross, Angus R., Baltimore, Md. Blow-torch. No. 1,274,260; July 30; v. 252; p. 1098.
Gross, B. B., *et al.* (See Stanek, Dominek G., assignor.)
Gross Chandelier Company (See Bakula, Frank A., assignor.)
Gross, Conrad C., Pasadena, Cal. Food-baking device. No. 1,271,309; July 2; v. 252; p. 157.
Gross, Edward G., Columbus, Ga., assignor of one-half to F. F. Gaines, Washington, D. C. Exhaust-pipe for locomotives. No. 1,277,407; Sept. 3; v. 254; p. 21.
Gross, Howard H., Jr., Chicago, Ill., and H. L. Batting, Memphis, Tenn. Lamp. No. 1,283,741; Nov. 5; v. 256; p. 79.
Gross, Jacob, Brooklyn, N. Y. Button-shoe and upper therefor. No. 1,254,039; Jan. 22; v. 246; p. 836.
Gross, John E., Walla Walla, Wash. Leveling means for wheeled apparatus. No. 1,255,599; Feb. 5; v. 247; p. 140.
Gross, John J., Toledo, Ohio. Train-controlling apparatus. No. 1,256,129; Feb. 12; v. 247; p. 336.
Gross, John N., Giscome, British Columbia, Canada. Autosled. No. 1,280,444; Oct. 1; v. 255; p. 92.
Gross, John N., Giscome, British Columbia, Canada. Cutter and chopper. No. 1,280,447; Oct. 1; v. 255; p. 93.
Gross, Leopold, Aurora, Ill. Device for holding work upon machine-tools. No. 1,262,781; Apr. 16; v. 249; p. 564.
Gross, Michael F., and D. Richarme, Gramercy, La. Stacking and unstacking device. No. 1,260,190; Mar. 19; v. 248; p. 714.
Gross, Milo D., Walla Walla, Wash. Chute. No. 1,259,227; Mar. 12; v. 248; p. 407.
Gross, Milo D., Walla Walla, Wash. Support. No. 1,283,160; Oct. 29; v. 255; p. 958.
Gross, W. R., *et al.* (See Stanek, Dominek G., assignor.)
Gross, Walter L., Casey, Ill. Apparatus for relieving tires from the weight of automobiles. No. 1,278,638; Sept. 10; v. 254; p. 378.
Grossman, Emanuel, Brooklyn, and P. Malagrino, New York, N. Y. Shoe. No. 1,256,476; Feb. 12; v. 247; p. 439.
Grossman, Martin, New York, N. Y. Resilient wheel. No. 1,257,220; Feb. 19; v. 247; p. 692.
Grossman, Samuel, New York, N. Y. Building element. No. 1,257,221; Feb. 19; v. 247; p. 692.
Grossman, Simon, Pittsburgh, Pa. Metal-bending machine. No. 1,264,062; Apr. 23; v. 249; p. 938.

Grossmann, Henry, assignor, by mesne assignments, to Boker Cutlery & Hardware Co., Inc., New York, N. Y. Package for hair-nets. No. 1,288,405; Dec. 17; v. 257; p. 612.
Grosvenor, Oliver, New York, N. Y., assignor to Morgan & Wright. Apparatus for shaping fabrics. No. 1,254,685; Jan. 29; v. 246; p. 1050.
Grosvenor, Oliver, New York, N. Y., assignor to Morgan & Wright. Tongs for tire-cores. No. 1,277,716; Sept. 3; v. 254; p. 107.
Grosvenor, William M., Grantwood, N. J. Hay-drying and the like. No. 1,251,510; Jan. 1; v. 246; p. 18.
Grote, Alfred W., Brooklyn, N. Y. Transmission for automobiles. No. 1,265,078; May 7; v. 250; p. 58.
Groth, Norbert, Brooten, Minn. Neckwear. No. 1,252,344; Jan. 1; v. 246; p. 260.
Groth, Perrie A., Lisbon, N. D. Calf-weaner. No. 1,252,345; Jan. 1; v. 246; p. 260.
Grothe, Walter, Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,276,754; Aug. 27; v. 253; p. 766.
Grothe, Walter, Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric-battery anode. No. 1,287,676; Dec. 17; v. 257; p. 433.
Grothe, Wilhelm G., assignor to C. J. Van Houten & Zoon, Weesp, Netherlands. Apparatus for discharging press-boxes in hydraulic presses. No. 1,263,662; Apr. 23; v. 249; p. 829.
Grothkopf, Victor H. H., assignor of one-third to F. Jonas, Chicago, Ill. Fishing apparatus. No. 1,258,213; Mar. 5; v. 248; p. 77.
Grotnes, Charles G., Chicago, Ill. Rolling-machine. No. 1,284,093; Nov. 5; v. 256; p. 173.
Grotta, Sidney S., Hartford, Conn. Wrapper. No. 1,275,904; Aug. 13; v. 253; p. 462.
Grotz, Albert R., Wellsburg, W. Va. Method and means for producing lantern-globes. No. 1,276,647; Aug. 20; v. 253; p. 700.
Grouselle, Luis T., Grenoble, France. Manufacture of steel direct from iron ores. No. 1,284,094; Nov. 5; v. 256; p. 173.
Grove, Andrew A., Milbank, S. D. Stock-feeding apparatus. No. 1,283,503; Nov. 5; v. 256; p. 18.
Grove, Anton L., Hot Springs, Mont. Restraining device. No. 1,270,814; July 2; v. 252; p. 17.
Grove, Eugene, West Lafayette, Ind. Water-heating system. No. 1,282,072; Oct. 22; v. 255; p. 632.
Grove, Jacob R., Mansfield, Pa. Adjustable gage-pin for tympans. No. 1,256,014; Feb. 12; v. 247; p. 301.
Grove, Oliver, Indianapolis, Ind. Toy engine. No. 1,275,017; Aug. 6; v. 253; p. 191.
Grove, Winfield S., Manila, Philippine Islands. Pulp and waste removing and fiber-cleaning machine. No. 1,253,029; Jan. 8; v. 246; p. 495.
Grove, Winfield S., Manila, Philippine Islands, assignor to Fibre Machinery Company, Inc., New York, N. Y. Method and apparatus for decorticating fibrous plants. No. 1,276,348; Aug. 20; v. 253; p. 616.
Grover, Albert D. (See Barber and Grover.)
Grover, Albert D., New York, N. Y., assignor to Autosales Gum & Chocolate Company. Coin-controlled vending-machine. No. 1,254,040; Jan. 22; v. 246; p. 836.
Grover, Albert D., assignor to Autosales Gum and Chocolate Company, New York, N. Y. Coin-controlled vending-machine. 1,258,765; Mar. 12; v. 248; p. 276.
Grover, Albert D., New York, N. Y., assignor to Autosales Gum and Chocolate Company. Magnetic slug-deflector for coin-controlled machines. No. 1,261,121; Apr. 2; v. 249; p. 37.
Grover, Albert D., New York, N. Y., assignor to Autosales Gum & Chocolate Company. Coin-controlled vending-machine. No. 1,268,564; June 4; v. 251; p. 140.
Grover, Albert D., New York, N. Y., assignor, by mesne assignments, to Autosales Corporation. Coin-controlled machine. No. 1,283,161; Oct. 29; v. 255; p. 958.
Grover, Albert D., New York, N. Y., assignor, by mesne assignments, to Autosales Corporation. Vending-machine. No. 1,287,002; Dec. 10; v. 257; p. 235.
Grover, Albert D., Malden, Mass., assignor, by mesne assignments, to Autosales Corporation. Dispensing-machine. No. 1,284,319; Nov. 12; v. 256; p. 261.
Grover, Albert D., Malden, and E. E. Barber, Boston, Mass., assignors to Autosales Gum & Chocolate Company. Vending-machine. No. 1,260,372; Mar. 26; v. 248; p. 802.
Grover, Albert D., Malden, and E. E. Barber, Boston, Mass., assignors, by mesne assignments, to Autosales Corporation. Vending-machine. No. 1,287,294; Dec. 10; v. 257; p. 309.
Grover, Albert D., New York, N. Y., and E. E. Barber, Malden, Mass., assignors, by mesne assignments, to Autosales Corporation. Coin-refunding device for coin-controlled machines. No. 1,274,261; July 30; v. 252; p. 1099.
Grover, Albert D., New York, N. Y., and E. E. Barber, Malden, Mass., assignors, by mesne assignments, to Autosales Corporation. Coin-controlled vending-machine. No. 1,278,913; Sept. 17; v. 254; p. 483.
Grover, George B., assignor to W. J. Young Machinery Company, Lynn, Mass. Heel-building machine. No. 1,288,564; Dec. 24; v. 257; p. 679.
Groverman, William H., Minneapolis, Minn. Automobile-bed. No. 1,255,307; Feb. 5; v. 247; p. 54.
Groves, Abraham. (See Tookey, William E., assignor.)
Groves, Elmer H. (See Armstrong and Groves.)
Groves, Frank A., assignor to The Recording and Computing Machines Company, Dayton, Ohio. Collection and recording of fares. No. 1,265,079; May 7; v. 250; p. 58.
Groves, James S., Jr., assignor of one-half to J. S. Groves, Sr., Alexandria, Va. Automatic clutch-release for motor-vehicles. No. 1,259,228; Mar. 12; v. 248; p. 408.
Groves, Ray H., assignor of twenty-eight one-hundredths to E. J. Clough and thirty-six one-hundredths to G. W. Percival, Portland, Oreg. Interlocking building-block. No. 1,271,160; July 2; v. 252; p. 114.
Grow, Chester, La Harpe, Kans. Internal-combustion engine. No. 1,253,171; Jan. 8; v. 246; p. 536.
Growder, John, Avoca, Ireland. Swivel for use in well-drilling. No. 1,275,018; Aug. 6; v. 253; p. 192.
Grubbs, Albert M., Warsaw, Ind. Handle attachment. No. 1,254,686; Jan. 29; v. 246; p. 1050.
Grubbs, Albert M., Warsaw, Ind. Handle attachment. (Reissue.) No. 14,554; Nov. 26; v. 256; p. 809.
Grube, Carl H., Schenectady, N. Y. Drafting-compasses. No. 1,279,537; Sept. 24; v. 254; p. 674.
Gruber, Archibald B., San Bernardino, Cal. Push-button latch. No. 1,257,998; Mar. 5; v. 248; p. 14.
Gruber, Archibald B., San Bernardino, Cal. Push-button latch. No. 1,270,288; June 25; v. 251; p. 690.
Gruber, Archibald B., San Bernardino, Cal. Push-button latch. No. 1,287,973; Dec. 17; v. 257; p. 508.
Gruber, Arthur H., Evanston, Ill. Pneumatic-tire casing. No. 1,263,883; Apr. 23; v. 249; p. 890.
Gruber, Ernest W., Baltimore, Md. Sign-supporting structure. No. 1,252,429; Jan. 8; v. 246; p. 319.
Gruber, Paul R., and M. Selig, New York, N. Y. Garment-fastener. No. 1,278,457; Sept. 10; v. 254; p. 329.
Grubin, Herman. (See Burnstone, Hirsh, assignor.)
Gruenberg, George J., New York, N. Y. Rowing-vehicle. No. 1,252,430; Jan. 8; v. 246; p. 319.
Gruenberg, Walter A. (See Currie and Gruenberg.)
Gruender, Oscar M., Chicago Heights, Ill. Centrifugal screen. No. 1,284,095; Nov. 5; v. 256; p. 173.
Gruendler, Gustav J., St. Louis, Mo. Refrigerator. No. 1,266,679; May 21; v. 250; p. 559.
Grueneick, Adolf, American Falls, Idaho. Agricultural implement. No. 1,271,702; July 9; v. 252; p. 299.
Gruenfeldt, Emil, assignor, by mesne assignments, to The Baker R & L Company, Cleveland, Ohio. Steering-gear. No. 1,272,800; July 16; v. 252; p. 635.
Gruman, Lloyd B., Newark, N. J. Indicator. No. 1,274,875; Aug. 6; v. 253; p. 162.
Grumme, Carey L., Akron, Ohio. Sled. No. 1,280,988; Oct. 8; v. 255; p. 266.
Grumme, Frederick J., Indianapolis, Ind., assignor, by mesne assignments, to C. F. Yegge, trustee, Evanston, Ill. Wire-bound-box-blank machine. No. 1,253,962; Jan. 15; v. 246; p. 793.
Grundmann, Michael G., Faribault, Minn. Shoe-fastening. No. 1,273,360; July 23; v. 252; p. 813.
Grundvig, Don C., Camp Lewis, Wash. Sectional wheel. No. 1,281,947; Oct. 15; v. 255; p. 559.
Gruner, Adolph. (See Feller and Gruner.)
Grünhagen, Heinrich, Berlin-Karlshorst, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Halogenated dyes of the acridin series. No. 1,255,739; Feb. 5; v. 247; p. 181.
Grünhagen, Heinrich, Berlin-Karlshorst, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyes of the benzene-naphthalene series and process for their manufacture. No. 1,255,740; Feb. 5; v. 247; p. 182.
Grunhow, Conrad, Chicago, Ill. Outlet-box hanger. No. 1,276,904; Aug. 27; v. 253; p. 804.
Grunhow, Conrad, Chicago, Ill. Pipe-bending apparatus. No. 1,285,987; Nov. 26; v. 256; p. 759.
Gruntler, Adam H., Hartford, Conn. Reversible clutch. No. 1,275,905; Aug. 13; v. 253; p. 462.
Grunwald, Bertrand B., Redwood City, Cal., assignor to National Magnesia Manufacturing Company. Manufacturing magnesium carbonate. No. 1,285,683; Nov. 26; v. 256; p. 682.
Grunwald, Bertrand B., assignor, by mesne assignments, to A. J. Merle, Alameda, Cal. Apparatus for molding pipe and boiler coverings. No. 1,286,591; Dec. 3; v. 257; p. 100.
Grus, William, Jr., Chicago, Ill. Oil-cup. No. 1,260,373; Mar. 26; v. 248; p. 802.
Grus, William, Jr., Chicago, Ill. Spring-leaf lubricator. No. 1,279,538; Sept. 24; v. 254; p. 674.
Grus, William, Jr., Chicago, Ill. Adjustable oiler for leaf-springs. No. 1,280,719; Oct. 8; v. 255; p. 193.
Grush, Elmer B., Beverly, Mass., assignor, my mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Separating shoes and lasts. No. 1,253,589; Jan. 15; v. 246; p. 688.
Gruss, Otto H., Jamaica, assignor to Simplex Photo Products Company, Morris Park, N. Y. Photographic shutter. No. 1,274,262; July 30; v. 252; p. 1099.
Gruver, Joseph H., Baltimore, Md. Sheet-metal hollow ball and making the same. No. 1,278,914; Sept. 17; v. 254; p. 484.

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Gruver, Joseph H., Baltimore, Md. Sheet-metal ball and method and means of making the same. No. 1,278,915; Sept. 17; v. 254; p. 484.
Gruver, Joseph H., Baltimore, assignor to The Simplex Protective Stopper Co., Highlandtown, Baltimore, Md. Non-refillable-bottle stopper. No. 1,288,406; Dec. 17; v. 257; p. 612.
Gryglewicz, Andrzej, Warsaw, Russia. Liquid-fuel burner. No. 1,280,017; Sept. 24; v. 254; p. 812.
Grzech, Peter, Dunellen, N. J. Bolt-operating device. No. 1,269,430; June 11; v. 251; p. 399.
Grzesinski, Lukasz, and S. Jawors, Bayonne, N. J. Portable fort. No. 1,285,989; Nov. 26; v. 256; p. 759.
Guaglianome, Dincenzo. (See Koch and Guaglianome.)
Guarantee Liquid Measure Company. (See Bain and MacKenzie, assignors.)
Guarantee Liquid Measure Company. (See MacKenzie, George W., Jr., assignor.)
Guarantee Liquid Measure Company. (See MacKenzie, James A., assignor.)
Guardian Frigerator Company, The. (See Bechtold, Reuben E., assignor.)
Guardian Frigerator Company, The. (See Bechtold and Mellowes, assignors.)
Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Gear, blank for gears, rolls, &c., and manufacturing the same. No. 1,275,906; Aug. 13; v. 253; p. 462.
Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 1,276,522; Aug. 20; v. 253; p. 666.
Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Engine. No. 1,282,571; Oct. 22; v. 255; p. 768.
Gubbins, John F. (See Settergren, Bernhard, assignor.)
Gubelman, Frederick J., Englewood, N. J. Printing mechanism. No. 1,252,431; Jan. 8; v. 246; p. 320.
Gubelman, Frederick J., Englewood, N. J., assignor to The Regina Company, New York, N. Y. Diaphragm for talking-machine sound-boxes. No. 1,279,104; Sept. 17; v. 254; p. 533.
Gude, Albert V., Jr., Atlanta, Ga. Floor or wall ground. No. 1,264,504; Apr. 30; v. 249; p. 1095.
Gude, Albert V., Jr., Atlanta, Ga. Floor or wall ground. No. 1,264,505; Apr. 30; v. 249; p. 1096.
Gude, Albert V., Jr., Atlanta, Ga. Floor or wall ground. No. 1,264,787; Apr. 30; v. 249; p. 1171.
Gudebrod Bros. Silk Co. (See Gudebrod, George H. and E. D., assignors.)
Gudebrod, Edward D. (See Gudebrod, George H. and E. D.)
Gudebrod, Edward D., Pottstown, Pa. Slub-catcher for silk-winding machines. No. 1,289,160; Dec. 31; v. 257; p. 848.
Gudebrod, George H., New York, N. Y., and E. D. Gudebrod, Pottstown, Pa., assignors to Gudebrod Bros. Silk Co., New York, N. Y. Dental floss. No. 1,285,988; Nov. 26; v. 256; p. 759.
Gudeman, Edward, Chicago, Ill. Preparing minim-alcoholic beverages. No. 1,256,894; Feb. 19; v. 247; p. 598.
Gudges, John G., Boston, Mass. Funnel. No. 1,287,974; Dec. 17; v. 257; p. 508.
Guedalia, Nathan E., New York, N. Y. Cigar-package. No. 1,282,814; Oct. 29; v. 255; p. 863.
Guenther, Harry F., Cleveland, Ohio. Baby-pacifier. No. 1,287,295; Dec. 10; v. 257; p. 309.
Guenzel, Ernst J., Milwaukee, Wis. Hat-fastener. No. 1,254,899; Jan. 29; v. 246; p. 1117.
Guenzel, Ernst J., assignor of one-half to S. J. Ransom, Milwaukee, Wis. Register for telephone-call service. No. 1,260,768; Mar. 26; v. 248; p. 918.
Guerard, Arthur G. R., Mulberry, Fla. Air-pump. No. 1,255,875; Feb. 12; v. 247; p. 261.
Guerber, Frederick S., White Plains, N. Y. Invalid-chair. No. 1,286,295; Dec. 3; v. 257; p. 27.
Guernsey, Clarence L., Beaverton, Mich. Combined trousers and coat hanger. No. 1,274,534; Aug. 6; v. 253; p. 56.
Guerrant, John L., Sedalia, Mo. Freight-car door. No. 1,260,374; Mar. 26; v. 248; p. 803.
Guerrero, Jorge, Paris, France. Tire for vehicle-wheels. No. 1,265,773; May 14; v. 250; p. 277.
Guess, George A., Oakville, Ontario, Canada. Electrolytically separating nickel from copper. No. 1,251,511; Jan. 1; v. 246; p. 18.
Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,269,598; June 18; v. 251; p. 477.
Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,277,571; Sept. 3; v. 254; p. 66.
Guest, Francis G. (See Gardiner, James I., assignor.)
Guest, William J., Milford, Conn. Air-cushion tire. No. 1,260,893; Mar. 26; v. 248; p. 951.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric snap-switch. No. 1,251,771; Jan. 1; v. 246; p. 99.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Spindle construction for electric switches. No. 1,251,772; Jan. 1; v. 246; p. 99.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Hinge. No. 1,251,773; Jan. 1; v. 246; p. 99.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Low-voltage electric switch. No. 1,254,223; Jan. 22; v. 246; p. 888.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Lamp-socket member. No. 1,258,559; Mar. 5; v. 248; p. 179.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric-lamp installation. No. 1,261,928; Apr. 9; v. 249; p. 296.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,262,330; Apr. 9; v. 249; p. 406.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric snap-switch. No. 1,262,331; Apr. 9; v. 249; p. 406.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric snap-switch. No. 1,280,018; Sept. 24; v. 254; p. 813.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric snap-switch. No. 1,282,815; Oct. 29; v. 255; p. 863.
Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric snap-switch. No. 1,282,816; Oct. 29; v. 255; p. 864.
Guettler, Herbert. (See Berger and Guettler.)
Guettler, Herbert, assignor to Fibre Making Processes, Chicago, Ill. Log-peeler. No. 1,281,155; Oct. 8; v. 255; p. 313.
Guettler, Herbert, assignor to American Barking Drum Company, Chicago, Ill. Slab-barker. No. 1,289,447; Dec. 31; v. 257; p. 921.
Guettler, Herbert, Chicago Ill., and W. L. Davis, Eau Claire, Wis. Barking-drum. No. 1,272,945; July 16; v. 252; p. 677.
Guevara, Augustin, Puebla, Mexico. Pneumatic tire. No. 1,285,684; Nov. 26; v. 256; p. 683.
Guffey, George E. (See Rhodes, Guffey, and Sheehan.)
Guffy, Julius, Peoria, Ill. Bale-tie counter. No. 1,270,289; June 25; v. 251; p. 690.
Gugel, Leonard L., Louisville, Ky. Fountain-pen. No. 1,277,064; Aug. 27; v. 253; p. 847.
Guggenbuehler, Carl, Newark, N. J. Babbitting tool or mold. No. 1,271,310; July 2; v. 252; p. 157.
Guggenheim, Edgar, New York, N. Y., assignor to Treo Company, Inc. Girdle. No. 1,278,335; Sept. 10; v. 254; p. 299.
Guggenheim Laundry Machinery Co., The. (See Freeman, Ladbrook H., assignor.)
Guggenheim, Solomon D. (See Benjamin, Dana H., assignor.)
Guiberson, William R. (See Conkling and Guiberson.)
Guibert, F. Walter, Detroit, Mich. Forming metallic articles. No. 1,259,224; Mar. 12; v. 248; p. 407.
Guibert, F. Walter, Detroit, Mich. Forming sheet-metal products. No. 1,271,703; July 9; v. 252; p. 300.
Guichard, Marcel, assignor to Société d'Electricité Mors, Paris, France. Pneumatic telescopic mast and its applications. No. 1,264,063; Apr. 23; v. 249; p. 939.
Guide Manufacturing Company. (See Fanshier, Jay, assignor.)
Guide Motor Lamp Manufacturing Company, The. (See Persons, William F., assignor.)
Guild, George R., U. S. Army, assignor of one-half to C. T. Payton, St. Louis, Mo. Signaling device. No. 1,276,648; Aug. 20; v. 253; p. 700.
Guild, Henry J., assignor to Eastern Manufacturing Company, Bangor, Me. Method and means for finishing paper. No. 1,277,714; Sept. 3; v. 254; p. 106.
Guild, Walter C., Marionville, Mo. Automobile-inner-tube protector. No. 1,256,015; Feb. 12; v. 247; p. 301.
Guild, Walter C., Marionville, Mo. Inner-tube protector. No. 1,282,688; Oct. 22; v. 255; p. 800.
Guilder, Walter C., Springfield, Ohio, assignor to Knickerbocker Motors, Inc., New York, N. Y. Farm and road tractor unit. No. 1,257,999; Mar. 5; v. 248; p. 14.
Guiler, John A. (See Kuhn and Guiler.)
Guilford, William C. J., Harrison, Me. Foot-massaging machine. No. 1,253,229; Jan. 15; v. 246; p. 582.
Guilford, William C. J., Harrison, Me. Hand-operating massaging apparatus. No. 1,253,230; Jan. 15; v. 246; p. 582.
Guilford, William C. J., Harrison, Me. Passive massage implement. No. 1,253,231; Jan. 15; v. 246; p. 582.
Guilford, William C. J., Harrison, Me. Power-operated massaging apparatus. No. 1,253,232; Jan. 15; v. 246; p. 583.
Guilford, William C. J., Harrison, Me. Abdominal massage implement. No. 1,253,233; Jan. 15; v. 246; p. 583.
Guilini, G. m. b. H., Gebruder. (See Greulich and Lickfett, assignors.)
Guillet, Albert M., Charlotte, N. C. Device for pointing spindles. No. 1,254,900; Jan. 29; v. 246; p. 1117.
Guillion, Robert A., Gallatin, Tex. Automatic railway-switch. No. 1,254,403; Jan. 22; v. 246; p. 940.
Guinn, James H., Long Beach, Cal. Rotary engine. No. 1,265,193; May 7; v. 250; p. 89.
Guinn, Lewis. (See O'Neal, Hammett, and Guinn.)

Guinn, Samuel E., Lexington, Ky. Gas-lighter. No. 1,280,448; Oct. 1; v. 255; p. 93.
Guinn, Samuel E., Bowling Green, Ky. Gas-lighter. No. 1,280,449; Oct. 1; v. 255; p. 93.
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Dress-shield. No. 1,277,916; Sept. 3; v. 254; p. 161.
Guise, Charles, Malvern, and T. J. Southall, Worcester, England. Mud-guard for vehicle-wheels. No. 1,266,120; May 14; v. 250; p. 375.
Guiterman, Kenneth S., Denver, Colo. Nursing-bottle holder. No. 1,281,948; Oct. 15; v. 255; p. 559.
Gulaczynski, Michal, New Bedford, Mass. Weaving-machine. No. 1,280,450; Oct. 1; v. 255; p. 93.
Gulbransen, Axel G., assignor to Gulbransen-Dickinson Co., Chicago, Ill. Player-piano construction. No. 1,288,565; Dec. 24; v. 257; p. 680.
Gulbransen, Axel G. and C., assignors to Gulbransen-Dickinson Company, Chicago, Ill. Player-piano mechanism. No. 1,274,535; Aug. 6; v. 253; p. 57.
Gulbransen, Christian. (See Gulbransen, Axel G. and C.)
Gulbransen-Dickinson Co. (See Gulbransen, Axel G., assignor.)
Gulbransen-Dickinson Company. (See Bergland, Carl, assignor.)
Gulbransen-Dickinson Company. (See Gulbransen, Axel G. and C., assignors.)
Gulbransen-Dickinson Company. (See Thompson, Thomas B., assignor.)
Gulden, Alois, New Ulm, Minn. Grain-separator. No. 1,286,296; Dec. 3; v. 257; p. 27.
Gulf Refining Company. (See Biggins, James E., assignor.)
Gulf Refining Company. (See King and Roberts, assignors.)
Gulf Refining Company. (See McAfee, Almer M., assignor.)
Gulf Refining Company. (See Pritchard, George L., assignor.)
Gulf Refining Company. (See Slater, William A., assignor.)
Gulf Refining Company. (See Smith and Essex, assignors.)
Gulick, Edward S., Tampa, Fla. Arch-support. No. 1,289,738; Dec. 31; v. 257; p. 991.
Gullborg, Agda H., Chicago, Ill. Food-cutter. No. 1,284,658; Nov. 12; v. 256; p. 345.
Gullery, John A., Brooklyn, N. Y. Nipple-protector. No. 1,258,766; Mar. 12; v. 248; p. 276.
Gullett, George W., Meigs, Ga. Stalk-chopping machine. No. 1,274,876; Aug. 6; v. 253; p. 163.
Gumm, Joseph R. (See Wood, Lorena M., assignor.)
Gump, Harry D. (See Collins, Henry H., assignor.)
Gumpper, John K., Chicago, assignor of one-half to W. H. Woolums, Decatur, Ill. Vehicle. No. 1,283,742; Nov. 5; v. 256; p. 80.
Gumprecht, Arthur E., Steamboat Springs, Colo. Engine. No. 1,276,056; Aug. 20; v. 253; p. 536.
Gumprecht, William L., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,268,565; June 4; v. 251; p. 141.
Gumprecht, William L., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,278,458; Sept. 10; v. 254; p. 329.
Gumprecht, William L., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,285,134; Nov. 19; v. 256; p. 504.
Gunderson, Anton, Dalton, Minn. Oar-lock. No. 1,263,884; Apr. 23; v. 249; p. 890.
Gundersen, Sivert, assignor to S. Karpen & Bros., Chicago, Ill. Sofa-bed. No. 1,267,541; May 28; v. 250; p. 825.
Gundlach, Conrad J., assignor to Mississippi Glass Company, New York, N. Y. Light-refracting glass. No. 1,277,065; Aug. 27; v. 253; p. 848.
Gundling, Albert, Jersey City, N. J. Acrobatic figure toy. No. 1,272,946; July 16; v. 252; p. 677.
Gunlocke, Joseph J., Tacoma, Wash. Top-supporting attachment for wind-shields. No. 1,288,407; Dec. 17; v. 257; p. 612.
Gunn, Earl G., Detroit, Mich. Multicylinder engine. No. 1,260,375; Mar. 26; v. 248; p. 803.
Gunn, Harry E., Chicago, Ill. Stove-board. No. 1,283,504; Nov. 5; v. 256; p. 18.
Gunn, Henry G., Hamilton, N. D. Apparatus for filling honeycombs. No. 1,288,874; Dec. 24; v. 257; p. 753.
Gunn, Walter R., Langston, Ala. Metallic railway-tie and rail-fastener. No. 1,264,387; Apr. 30; v. 249; p. 1062.
Gunnarson, Enoch C., New York, N. Y. Exhaust-valve muffler. No. 1,251,655; Jan. 1; v. 246; p. 64.
Gunnarson, Enoch C., U. S. Navy. Smoking-pipe cleaner. No. 1,251,774; Jan. 1; v. 246; p. 100.
Gunnarson, Enoch C., Brooklyn, N. Y. Diver's telephone-muffler. No. 1,253,485; Jan. 15; v. 246; p. 658.
Gunning, John, Wallace, Idaho, assignor of one-half to J. Walsh, Butte, Mont. Nail-puller. No. 1,269,555; June 11; v. 251; p. 432.
Gunther, Fritz. (See Schmidt and Gunther.)
Gunturiz & Caraballo. (See Gunturiz, Nicolas, assignor.)
Gunturiz, Nicolas, assignor to Gunturiz & Caraballo, Sagua la Grande, Cuba. Cocoanut-punch. No. 1,277,308; Aug. 27; v. 253; p. 912.
Guptill, Edgar P., Whitinsville, Mass. Hip-covering for roofs. No. 1,262,783; Apr. 16; v. 249; p. 564.
Gurley, Harry L., Marion, Ohio. Cut-out for down-spouts. No. 1,274,536; Aug. 6; v. 253; p. 57.
Gurn, Michael D., Bridgeport, Conn. Feed-bag holder. No. 1,253,815; Jan. 15; v. 246; p. 752.
Gurney, Ansel F., Natick, Mass. Electrical connection. No. 1,286,592; Dec. 3; v. 257; p. 100.
Gurney Electric Elevator Company. (See Le Blanc, Alexis, assignor.)
Gurney, Erving R., Springfield, Mass. Internal gear-drive. No. 1,282,689; Oct. 22; v. 255; p. 801.
Gurries, Henry A., Palo Alto, Cal. Bench-stop. No. 1,269,703; June 18; v. 251; p. 507.
Gury, John B., St. Louis, Mo. Lifter for cloth-cutting machines. No. 1,259,618; Mar. 19; v. 248; p. 551.
Gustafson, Adolph P., assignor to M. Schulz Company, Chicago, Ill. Pneumatic action for player-pianos and the like. No. 1,253,030; Jan. 8; v. 246; p. 496.
Gustafson, Adolph P., assignor to M. Schulz Company, Chicago, Ill. Sound-reproducing or talking machine. No. 1,287,585; Dec. 10; v. 257; p. 379.
Gustafson, Anders H., Tofte, Norway. Edge ruler for the wire part of paper-machines. No. 1,277,212; Aug. 27; v. 253; p. 888.
Gustafson, August J., Chicago, Ill. Apparatus for raising sunken vessels. No. 1,281,949; Oct. 15; v. 255; p. 559.
Gustafson, Axel P., Waukegan, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Molding-pattern. No. 1,287,296; Dec. 10; v. 257; p. 309.
Gustafson, Axel R., Chicago, Ill. Ironing-machine. No. 1,288,566; Dec. 24; v. 257; p. 680.
Gustafson, Carl J., assignor, by mesne assignments, to Hendee Manufacturing Company, Springfield, Mass. Side-car attachment for motor-cycles. No. 1,267,212; May 21; v. 250; p. 708.
Gustafson, Carl J., assignor to Hendee Manufacturing Company, Springfield, Mass. Three-speed sliding transmission. No. 1,288,875; Dec. 24; v. 257; p. 754.
Gustafson, Charles J., and F. C. Mock, assignors to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,265,194; May 7; v. 250; p. 89.
Gustafson, Jacob, Boise, Idaho. Tide-water-storage system. No. 1,255,159; Feb. 5; v. 247; p. 13.
Gustafson, Karl G., Mullan, Idaho. Crosscut-saw handle. No. 1,252,105; Jan. 1; v. 246; p. 195.
Gustafson, Lars G., Ethel, Wash. Wood-sawing machine. No. 1,262,943; Apr. 16; v. 249; p. 609.
Gustafson, Lawrence W., Smolan, Kans. Comb-holder. No. 1,284,320; Nov. 12; v. 256; p. 262.
Gustafson, Oskar, Milnor, N. D. Rein-holder. No. 1,283,743; Nov. 5; v. 256; p. 80.
Gustavson, Frank A., Seekonk, Mass. Ventilator and air-purifying apparatus. No. 1,270,613; June 25; v. 251; p. 781.
Gustin, Clyde V., Monett, Mo. Roller-skate. No. 1,271,891; July 9; v. 252; p. 350.
Gustin, Clyde V., Monett, Mo. Automobile-headlight. No. 1,273,218; July 23; v. 252; p. 776.
Gustin, Max, New York, N. Y. Slipper. No. 1,265,774; May 14; v. 250; p. 277.
Gutberlet, Charles J., Philadelphia, Pa. Inker. No. 1,259,394; Mar. 12; v. 248; p. 456.
Guth, Edwin F., assignor to Luminous Unit Co., St. Louis, Mo. Reflector for lighting units. No. 1,257,222; Feb. 19; v. 247; p. 692.
Guth, Edwin F., assignor to Luminous Unit Company, St. Louis, Mo. Lighting-fixture. No. 1,283,162; Oct. 29; v. 255; p. 959.
Guth, William. (See Mohney and Guth.)
Guthe, Olof D. M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,264,388; Apr. 30; v. 249; p. 1062.
Guthrie, Charles B., Charleston, W. Va. Car-top. No. 1,269,431; June 11; v. 251; p. 399.
Guthrie, John K. (See Henniger and Guthrie.)
Guthrie, Tracy W., Sewickley, Pa. Method of and apparatus for unloading cars. No. 1,272,425; July 16; v. 252; p. 529.
Guthrie, Wade H., Charleston, W. Va. Automatic air-controlling device for gas-engines. No. 1,253,963; Jan. 15; v. 246; p. 793.
Guthrie, Wade H., Charleston, W. Va. Automatic air-controlling device for gas-engines. No. 1,279,685; Sept. 24; v. 254; p. 718.
Gutierrez, Ascension L. (See Mariscal and Gutierrez.)
Gutmann, Ferdinand. (See Januchowsky and Gutman.)
Gutta Percha & Rubber Mfg. Co., The. (See Spadone, Walter W., assignor.)
Guttridge, Harry, Youngstown, Ohio. Cloth-handling means for sponging and shrinking machines. No. 1,263,885; Apr. 23; v. 249; p. 891.

Gutzler, Alfred J., *et al.* (See Trumble, Milon J., assignor.)
Guyot, Henri R., Paris, France. Cooler adapted for use as a radiator or condenser. No. 1,256,998; Feb 19; v. 247; p. 629.
Guyton & Cumfer Manufacturing Company. (See Cumfer and McFarland, assignors.)
Guyton & Cumfer Manufacturing Company. (See McFarland, Owen D., assignor.)
Guzmán M, Ramón, Tegucigalpa, via Puerto Cortes, Honduras. Cryptographic method and apparatus. No. 1,285,567; Nov. 19; v. 256; p. 613.
Guzy, Charles, New York, N. Y. Sewing-machine hopper. No. 1,257,850; Feb. 26; v. 247; p. 913.
Gwaltney, Abner A., Nodena, Ark. Device for cleaning cotton. No. 1,257,851; Feb. 26; v. 247; p. 913.
Gwatkin, Benjamin. (See Randall, Victor E., assignor.)
Gwatkin, Benjamin. (See White, Gwatkin, and Randall.)
Gwin, Andrew J., assignor of one-half to A. F. Gwin, Winnfield, La. Crank-holder for automobiles. No. 1,270,513; June 25; v. 251; p. 754.
Gwin, Annie F. (See Gwin, Andrew J., assignor.)
Gwinn, George W., New York, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Can-closing mechanism. No. 1,276,523; Aug. 20; v. 253; p. 666.
Gwinn, George W., Brooklyn, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Can-spout for packing-machines. No. 1,280,989; Oct. 8; v. 255; p. 266.
Gwinner, Russell H., Akron, Ohio. Clothes-pin. No. 1,259,395; Mar. 12; v. 248; p. 456.
Gwyer, Herbert J., New York, N. Y. Refrigerator construction. No. 1,266,794; May 21; v. 250; p. 591.
Gysel, Marvin A., Rochester, N. Y. Signal. No. 1,273,606; July 23; v. 252; p. 880.
Gysi, Alfred, Zurich, Switzerland, assignor to The Dentists' Supply Company. Artificial teeth. No. 1,281,352; Oct. 15; v. 255; p. 400.
Gysler, Joseph, San Francisco, Cal. Wind-shield cleaner. No. 1,251,775; Jan. 1; v. 246; p. 100.
Gyzander, Arne K., Westbrook, Me. Manufacturing sodium hydrosulfite. No. 1,270,150; June 18; v. 251; p. 628.
H. Brinton Company. (See Larkin, Walter, assignor.)
H. Koppers Company. (See Sperr, Frederick W., Jr., assignor.)
H. Koppers Company. (See Sperr and Darrin, assignors.)
H. Lieber Company, The. (See Lieber, Carl H., assignor.)
H. Maimin Co. (See Bätjer, Henry B., assignor.)
H. Maimin Co. (See Maimin, David S., assignor.)
H. Maimin Co. (See Maimin and Bätjer, assignors.)
H. Ward Leonard, Incorporated. (See Leonard, Harry W., assignor.)
H & B American Machine Company. (See Riley, Charles E., assignor.)
H. B. Sherman Manufacturing Company. (See Smith, Thomas D., assignor.)
H. & D. Company, The. (See Hawn, Andrew P., assignor.)
H. D. Beach Company, The. (See Pamperin, Udo K., assignor.)
H. D. Smith & Company, The. (See Thomson, William S., assignor.)
H. E. M. Co. (See Hale, Charles B., assignor.)
H. G. Prince & Company. (See Duncan and Forry, assignors.)
H. H. Franklin Manufacturing Company. (See Brown, William H., assignor.)
H. H. Hoffman & Company. (See Worley, Ernest T., assignor.)
H. H. Mayhew Company. (See Bardwell, Edwin A., assignor.)
H. J. Jaeger Company. (See Jaeger, Herman J., assignor.)
H. J. Smith Tractor Company. (See Smith, Henry J., assignor.)
H. K. Mulford Company. (See Mulford, Harry K., assignor.)
H. K. Mulford Company. (See Pittenger, Paul S., as signor.)
H. L. Judd Company. (See Edsall, William H., assignor.)
H. P. Patents and Processes Company. (See Hochstetter and Pryce, assignors.)
H. P. Townsend Manufacturing Company, The. (See Townsend, Harry P., assignor.)
H. S. Motor Co. (See Shaw, James, assignor.)
H. S. H. Manufacturing Company. (See Hood, Harry A., assignor.)
H. T. Paiste Company. (See Moulthrop, Lembert H., assignor.)
H. T. Paiste Company. (See Paiste, Henry T., assignor.)
H. V. Dockray Brass & Iron Company. (See Dockray, Henry V., assignor.)
H. W. Clark Co. (See Clark, Horace W., assignor.)
H. W. Cooper Saddlery Hardware Mfg. Company. (See Cooper, Charles J., assignor.)
H. W. Johns-Manville Company. (See Christenson, George, assignor.)
H. W. Johns-Manville Company. (See Headson, Frank A., assignor.)
H. W. Johns-Manville Company. (See Sabine, Wallace C., assignor.)
H. W. Johns-Manville Company. (See Wardell, Henry R., assignor.)
H. W. Johns-Manville Company. (See Wilson, James, assignor.)
Haag, Emil, Hettinger, N. D. Hoisting device and wire-stretcher. No. 1,256,686; Feb. 19; v. 247; p. 537.
Haalck, Johann J. R., Salt Lake City, Utah. Transporting apparatus. No. 1,259,619; Mar. 19; v. 248; p. 551.
Haalck, Johann J. R., Salt Lake City, Utah. Transporting apparatus. No. 1,259,620; Mar. 19; v. 248; p. 551.
Haalck, Johann J. R., Saltair, Utah. Transporting apparatus. No. 1,283,744; Nov. 5; v. 256; p. 80.
Haas, Daniel A., Belleville, Ill. Shocker attachment for binders. No. 1,272,426; July 16; v. 252; p. 529.
Haas, Edward, San Antonio, Tex. Pneumatic tire-protector. No. 1,259,856; Mar. 19; v. 248; p. 620.
Haas, Frederick W., Pittsburgh, Pa. Water-cooling tower. No. 1,253,234; Jan. 15; v. 246; p. 583.
Haas, Isaac H., Atlanta, Ga. Bedstead. No. 1,260,536; Mar. 26; v. 248; p. 850.
Haas, Joseph. (See Higgin and Haas.)
Haas, Joseph, and C. Strada, New York, N. Y. Tripping attachment for revolving steam and electric shovels. No. 1,264,920; May 7; v. 250; p. 13.
Haas, Lucient L. (See MacKenzie and Haas.)
Haas, Philip J., Omaha, Nebr. Water-heater. No. 1,257,701; Feb. 26; v. 247; p. 869.
Haas, Philip J., Omaha, Nebr. Combination portable sanitary closet and seat. No. 1,270,409; June 25; v. 231; p. 724.
Haas, Philip M., Youngstown, Ohio, and F. M. Nair, Beaver Falls, Pa. Bar-cutting machine. No. 1,273,775; July 23; v. 252; p. 923.
Haas, Rudolph J., Milwaukee, Wis. Kitchen utensil. No. 1,275,907; Aug. 13; v. 253; p. 463.
Haas, Sidney G. F., New Orleans, La. Meter. No. 1,256,687; Feb. 19; v. 247; p. 537.
Haas, William, and T. McAlexander, Raub, Ind. Valve for internal-combustion engines. No. 1,268,835; June 11; v. 251; p. 235.
Haas, William H., assignor to Murphy Iron Works, Detroit, Mich. Stoker. No. 1,273,481; July 23; v. 252; p. 846.
Haas, William N., and H. C. Young, assignors to Roko Mfg. Co., Denver, Colo. Composition for use with printers' ink. No. 1,273,361; July 23; v. 252; p. 814.
Haatvedt, Alfred, White Sulphur Springs, Mont. Exhaust-switch. No. 1,287,975; Dec. 17; v. 257; p. 508.
Habart, Charles, Cleveland, Ohio. Educational device. No. 1,256,224; Feb. 12; v. 247; p. 366.
Habeck, Paul, Cheyenne, Okla. Threshing-machine. No. 1,263,233; Apr. 16; v. 249; p. 691.
Habenschaden, Peter. (See Bart, Joseph, assignor.)
Haber, Fritz, and R. Leiser, Berlin-Dahlem, Germany. Method and apparatus for testing gases. No. 1,269,599; June 18; v. 251; p. 478.
Haber, Leo, Brooklyn, N. Y. Composition of matter. No. 1,281,156; Oct. 8; v. 255; p. 314.
Haberstick, Peter F., Wheeling, W. Va. License plate or tag. No. 1,264,064; Apr. 23; v. 249; p. 939.
Habesham, Anthony O., Bogota, N. J. Knockdown merry-go-round. No. 1,271,892; July 9; v. 252; p. 350.
Habig, Arthur, Montreal, Quebec, Canada. Smoke-consumer. No. 1,278,639; Sept. 10; v. 254; p. 379.
Hach, Clarence A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for electroplating. No. 1,280,213; Oct. 1; v. 255; p. 28.
Hachmann, Frederick, St. Louis, Mo., assignor of one-fourth to G. S. Haskell, Chicago, Ill., and one-half to F. C. Schoenthaler, St. Louis, Mo. Cutlery article. No. 1,254,591; Jan. 22; v. 246; p. 993.
Hachmuth, Henry C., Comstock Park, Mich. Cabbage-core-shredder appliance. No. 1,262,480; Apr. 9; v. 249; p. 449.
Hack, John A., Tonkawa, Okla. Guard-house. No. 1,253,964; Jan. 15; v. 246; p. 793.
Hacker, Holda A., Oneonta, N. Y. Rail-fastening means. No. 1,287,677; Dec. 17; v. 257; p. 434.
Hacker, Horace W., Chicago, Ill. Proofing-inker. No. 1,270,410; June 25; v. 231; p. 724.
Hacker, Marie, Allenhurst, N. J. Bust-supporter. No. 1,262,332; Apr. 9; v. 249; p. 407.
Hackerson, Thomas, Newark, Ill. Auto-kitchenette. No. 1,285,685; Nov. 26; v. 256; p. 683.
Hackett, Paul J., Seattle, assignor to Universal High Power Telephone Company, King county, Wash. Differential microphone. No. 1,274,035; July 30; v. 252; p. 1035.
Hackleman, Martin L., Morristown, Ind. Agricultural implement. No. 1,252,432; Jan. 8; v. 246; p. 320.
Hackley, Guy, Aholt, Mo. Shock-loader. No. 1,253,031; Jan. 8; v. 246; p. 496.
Hackley, James B. (See Janney and Hackley.)
Hackney, George W., Topeka, Kans. Semaphore-signal for automobiles. No. 1,278,916; Sept. 17; v. 254; p. 484.
Hackney, Isaac M., Wichita, Kans. Tire-setter. No. 1,276,755; Aug. 27; v. 253; p. 766.
Hackney, James T., Versailles, Ky. Convertible vehicle-body. No. 1,273,362; July 23; v. 252; p. 814.
Hackney, Leslie S. (See Froelich, John, assignor.)

Alphabetical list of patentees—Continued.

Hackney, Leslie S. (See Hawley, John D., assignor.)
Hadaway, John B., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Combined belt shifter and guard. No. 1,261,517; Apr. 2; v. 249; p. 149.
Hadaway, John B., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling machine. No. 1,276,057; Aug. 20; v. 253; p. 536.
Hadaway, John B., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling machine. No. 1,285,135; Nov. 19; v. 256; p. 504.
Hadaway, William S., Jr., New York, N. Y. Electric heater. No. 1,257,599; Feb. 26; v. 247; p. 840.
Hadaway, William S., Jr., New Rochelle, N. Y. Immersion-heater. No. 1,258,767; Mar. 12; v. 248; p. 276.
Hadaway, William S., Jr., New Rochelle, N. Y. Meter. No. 1,265,775; May 14; v. 250; p. 277.
Hadaway, William S., Jr., New Rochelle, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fluid-heater. No. 1,281,157; Oct. 8; v. 255; p. 314.
Hadaway, William S., Jr., New Rochelle, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric water-heater. No. 1,281,158; Oct. 8; v. 255; p. 314.
Hadaway, William S., Jr., New Rochelle, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Regulator. No. 1,282,221; Oct. 22; v. 255; p. 674.
Hadaway, William S., Jr., New Rochelle, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Heater for type-setting machines. No. 1,284,189; Nov. 5; v. 256; p. 198.
Haddad, Ferris, Windber, Pa. Muffler. No. 1,254,901; Jan. 29; v. 246; p. 1117.
Haddock, Roderick W., Independence, Oreg. Ore-separating device. No. 1,269,704; June 18; v. 251; p. 507.
Haddock, William R., South Bend, Wash. Transfer-sheet. No. 1,261,516; Apr. 2; v. 249; p. 149.
Haderlein, Grace A., assignor to Kabo Corset Co., Chicago, Ill. Breast-waist. No. 1,272,427; July 16; v. 252; p. 529.
Hadfield, George H., Mitcham, and A. E. Bawtree, Sutton, assignors to Hadfields (Merton) Limited, Mitcham, England. Treatment of decorative surfaces. No. 1,252,001; Jan. 1; v. 246; p. 165.
Hadfields (Merton) Limited. (See Hadfield and Bawtree, assignors.)
Hadford, Louis, Carmengay, Alberta, Canada. Pump. No. 1,266,252; May 14; v. 250; p. 411.
Hadley, Arthur L., Fort Wayne, Ind., assignor to General Electric Company. Magnetic separator. No. 1,263,406; Apr. 23; v. 249; p. 759.
Hadley, Bert E., Los Angeles, Cal. Gas maker and combustion apparatus. No. 1,257,600; Feb. 26; v. 247; p. 840.
Hadley Company, The. (See Tost, Charles R., assignor.)
Hadley, Edmund P. (See Holden and Hadley.)
Hadley, Herbert B. (See Siebert and Hadley.)
Hadley, Oliver R., Bradford, N. H. Envelop-closure. No. 1,272,428; July 16; v. 252; p. 529.
Haefely, Emil, Basel, Switzerland. Heater for central heating systems. No. 1,270,514; June 25; v. 251; p. 754.
Haefliger, Herman, Denver, Colo. Combined microscope and object-holder. No. 1,267,862; May 28; v. 250; p. 917.
Haege, Louis, New Memphis, Ill. Rat, mouse, and insect trap. No. 1,286,601; Dec. 3; v. 257; p. 102.
Haentjens, Otto, Newark, N. J., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, New York, N. Y. Centrifugal pump. No. 1,263,663; Apr. 23; v. 249; p. 830.
Haering, Carl G. (See Bausch and Haering.)
Haertel, Hans R., Franklin, assignor of forty-nine one-hundredths to F. H. Appleton & Son, Inc., Boston, Mass. Strainer. No. 1,286,297; Dec. 3; v. 257; p. 28.
Haga, Mandius B., Garberville, assignor of one-sixth to E. C. Jewett, one-sixth to J. H. Jewett, and one-sixth to W. Wood, Harris, Cal. Rotary engine. No. 1,259,857; Mar. 19; v. 248; p. 620.
Hagadone, Clinton A., Western Springs, Ill., assignor to International Harvester Company of New Jersey. Cutting mechanism. No. 1,257,342; Feb. 26; v. 247; p. 763.
Hagan, Joseph F., Electra, assignor of one-half to W. L. Dalton, Wichita Falls, Tex. Cut-off valve for pipe-lines. No. 1,264,296; Apr. 30; v. 249; p. 1037.
Hagans, Samuel G., Coatesville, Pa. Space-retaining device for card-indexes. No. 1,266,458; May 14; v. 250; p. 465.
Hagedorn, Carl F., Chicago, Ill., assignor to Mineral Products Corporation, New York, N. Y. Separation of alunite from associated rock and gangue. No. 1,253,590; Jan. 15; v. 246; p. 688.
Hagedorn, Carl F., Chicago, Ill., assignor to Mineral Products Corporation, New York, N. Y. Separation of alunite from associated rock or gangue. No. 1,253,591; Jan. 15; v. 246; p. 688.
Hagel, Albert, Jr., Newark, N. J. Burglar-alarm. No. 1,251,882; Jan. 1; v. 246; p. 132.
Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-sewing machine. No. 1,255,527; Feb. 5; v. 247; p. 119.
Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-sewing machine. No. 1,255,528; Feb. 5; v. 247; p. 120.
Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-sewing machine. No. 1,255,529; Feb. 5; v. 247; p. 120.
Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,264,921; May 7; v. 250; p. 13.
Hagemann, Carl, Leverkusen, near Cologne, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Gray azo dyes. No. 1,270,290; June 25; v. 251; p. 691.
Hagemeister, Raymond, Barron, Wis. Making non-heat-conducting coverings. No. 1,286,602; Dec. 3; v. 257; p. 102.
Hagen, Arthur T., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Valve mechanism for washing machinery. No. 1,267,403; May 28; v. 250; p. 786.
Hagen, Joseph J., St. Louis, Mo. Ball-and-socket joint. No. 1,265,445; May 7; v. 250; p. 158.
Hagen, Mathias N., and G. H. Karstedt, Minneapolis, Minn. Bottle-carrying case. No. 1,251,512; Jan. 1; v. 246; p. 18.
Hagen, Robert, Dayton, Ohio. Pneumatic-tube vulcanizer. No. 1,252,106; Jan. 1; v. 246; p. 195.
Hagen, William F., Scranton, Pa. Valve. No. 1,280,451; Oct. 1; v. 255; p. 93.
Hager, Frank A., Portland, Oreg. Tire-filler. No. 1,276,349; Aug. 20; v. 253; p. 617.
Hager, Henry F., Chicago, Ill. Bed-spring fabric. No. 1,267,764; May 28; v. 250; p. 888.
Hager, Richard C., Philadelphia, Pa. Globe-holder. No. 1,255,163; Feb. 5; v. 247; p. 14.
Hagerling, Henry, Belleville, Ill. Flue-cleaner for stoves. No. 1,284,321; Nov. 12; v. 256; p. 262.
Hagerty, Edward. (See Yoder and Hagerty.)
Hagerty, James, Mount Lebanon, Pa. Sled. No. 1,268,836; June 11; v. 251; p. 235.
Hagewood, John T., assignor of one-half to J. B. Felts, Clarksville, Tenn. Cross-tie. No. 1,252,566; Jan. 8; v. 246; p. 360.
Hägg, Carl J. J., Stockholm, Sweden. Milking-machine. No. 1,266,795; May 21; v. 250; p. 591.
Haggard and Marcusson Company. (See Anderson, William B., assignor.)
Haggard & Marcusson Company. (See Langlykke, Peter I., assignor.)
Haggart, Frank L. (See Hurtig and Haggart.)
Haggerty, Frank, assignor of one-fourth to C. Izenstark, Chicago, Ill. Foot-ball signal. No. 1,279,539; Sept. 24; v. 254; p. 675.
Haggerty, James S., and L. N. Beaty, Mannington, W. Va. Cigar-wrapper cutter. No. 1,251,656; Jan. 1; v. 246; p. 64.
Haggerty, John J., and E. D. Van Wie, Albany, N. Y. Line-space folio attachment for type-writers. No. 1,266,796; May 21; v. 250; p. 592.
Haglund, Otto E., Dodson, Mont. Attachment for propelling automobiles in snow. No. 1,264,389; Apr. 30; v. 249; p. 1063.
Hagman, Edwin V., assignor to A. A. Ziegler, trustee, Boston, Mass. Apparatus for sending and receiving information. No. 1,276,350; Aug. 20; v. 253; p. 617.
Hagner, Gustave A. (See Seidler, George M., assignor.)
Hagstrom, Anders R., Wataga, Ill. Feed-box. No. 1,261,929; Apr. 9; v. 249; p. 296.
Hagstrom, Gustaf A., Kansas City, Mo. Tire-tread-making machine. No. 1,260,191; Mar. 19; v. 248; p. 714.
Hagstrom, Joel E., Brooklyn, N. Y., assignor to The Independent Filter Press Co., New York, N. Y. Filter-press plate. No. 1,282,414; Oct. 22; v. 255; p. 726.
Hagstrom, John V., Hadlock, Wash. Ventilator for foot-wear. No. 1,259,229; Mar. 12; v. 248; p. 408.
Hagstrom, Oscar J., Berwyn, Ill. Combination stop-action for organs. No. 1,253,685; Jan. 15; v. 246; p. 716.
Hague, John L., Los Angeles, and W. A. Bradley, Tropico, Cal.; said Hague assignor to said Bradley. Gas-saver for internal-combustion engines. No. 1,259,858; Mar. 19; v. 248; p. 620.
Hahl, Augustus L., Chicago, Ill. Detenting mechanism for clocks. No. 1,258,768; Mar. 12; v. 248; p. 277.
Hahl, Augustus L., Chicago, Ill. Secondary-clock movement. No. 1,271,704; July 9; v. 252; p. 300.
Hahn, Albert W., El Paso, Tex. Leaching copper ores. No. 1,282,415; Oct. 22; v. 255; p. 726.
Hahn, Alexander, New York, N. Y. Folding table. No. 1,289,739; Dec. 31; v. 257; p. 991.
Hahn, Clarence W., New York, N. Y. Ink-receptacle. No. 1,286,603; Dec. 3; v. 257; p. 102.
Hahn, Earl H., Mallard, Iowa. Motor-cycle starter. No. 1,272,947; July 16; v. 252; p. 677.
Hahn, George W., Indianapolis, Ind. Horse-collar and hames. No. 1,254,324; Jan. 22; v. 246; p. 918.
Hahn, Herman J., Napoleon, Ohio. Corn-husker. No. 1,268,345; June 4; v. 251; p. 78.
Hahn, John, Los Angeles, Cal. Well equipment. No. 1,268,964; June 11; v. 251; p. 271.

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Hahn, John N., Cleveland, Ohio. Corrugated-paper-making machine. No. 1,264,506; Apr. 30; v. 249; p. 1096.
Hahn, John N., Cleveland, Ohio. Reinforcing contrivance. No. 1,264,877; Apr. 30; v. 249; p. 1196.
Hahn, John N., Lakewood, Ohio. Sealing boxes. No. 1,289,740; Dec. 31; v. 257; p. 992.
Hahn, Norman M., North Sydney, New South Wales, Australia. Stereoscope cinematograph camera and film. No. 1,282,073; Oct. 22; v. 255; p. 632.
Hahn, Theodore, Milwaukee, Wis. Knitting tubular articles. No. 1,266,459; May 14; v. 250; p. 466.
Hahn, Martin J., Prince Rupert, British Columbia, Canada. Movable shield. No. 1,261,518; Apr. 2; v. 249; p. 149.
Haigh, Harry J., New York, N. Y. Baking-pan. No. 1,262,481; Apr. 9; v. 249; p. 449.
Haigh, Harry J., Stapleton, N. Y. Multiple baking-pan. No. 1,270,815; July 2; v. 252; p. 17.
Haigh, Harry J., Stapleton, N. Y. Baking-pan. No. 1,280,019; Sept. 24; v. 254; p. 813.
Haigh, Harry J., Stapleton, and I. S. Bodkin, New York, N. Y., said Bodkin assignor to said Haigh. Machine for making baking-pans. No. 1,270,816; July 2; v. 252; p. 17.
Haigler, William G., Colorado Springs, Colo. Pneumatic vehicle-tire. No. 1,252,107; Jan. 1; v. 246; p. 195.
Hain, Albert J., Lakewood, Ohio. Producing printing-plates. No. 1,252,800; Jan. 8; v. 246; p. 426.
Hain, David E., New Cumberland, Pa. Window-cleaner. No. 1,275,553; Aug. 13; v. 253; p. 364.
Haines, Charles, assignor to The Berger Manufacturing Company, Canton, Ohio. Fence-post. No. 1,283,163; Oct. 29; v. 255; p. 959.
Haines, George T., and B. W. Smith, assignor to Multikraft Inc., Rochester, N. Y. Toy. No. 1,268,115; June 4; v. 251; p. 13.
Haines, John S., Dowagiac, Mich. Silo. No. 1,267,863; May 28; v. 250; p. 917.
Haines, Lewis A., Columbus, Ohio. Ignition for combustion-chambers. No. 1,284,096; Nov. 5; v. 256; p. 174.
Hains, Rosier N., assignor to J. A. Walker, Marshall, Mo. Check and deposit-slip tray. No. 1,257,481; Feb. 26; v. 247; p. 803.
Hair, Charley M., Grundy Center, Iowa. Folding draw-bar for harrows. No. 1,251,883; Jan. 1; v. 246; p. 132.
Haish, Jacob, De Kalb, Ill. Fence-post and cutting the same. No. 1,251,513; Jan. 1; v. 246; p. 18.
Hait, Jessie, New York, and F. R. Ebbets, Brooklyn, N. Y. Underwaist. No. 1,288,408; Dec. 17; v. 257; p. 613.
Hajek, Joseph, North Braddock, Pa. Safety elevator device. No. 1,275,673; Aug. 13; v. 253; p. 397.
Hakanson, Ernest, Stockbridge, Mich. Floor-set. No. 1,266,253; May 14; v. 250; p. 412.
Hakeman, Edgar G., Hartwick, Iowa. Automobile non-skid device. No. 1,275,554; Aug. 13; v. 253; p. 364.
Halapleus, James G., Toledo, and A. Lamb, Lakewood, Ohio. Suspenders or the like. No. 1,283,745; Nov. 5; v. 256; p. 80.
Halbleib, Edward A., and T. L. Lee, assignors to North East Electric Company, Rochester, N. Y. Commutator and manufacturing the same. No. 1,274,411; Aug. 6; v. 253; p. 19.
Halbman, Michael, *et al.* (See Cammack, Jerry W., assignor.)
Halby, Viggo G., Marquette, assignor to Eureka Mucking & Engineering Company, Crystal Falls, Mich. Loader. No. 1,284,659; Nov. 12; v. 256; p. 345.
Haldeman, Harry M., Los Angeles, Cal. Pipe-bending machine. No. 1,262,944; Apr. 16; v. 249; p. 609.
Hale, Charles B., assignor to H. E. M. Co., Park Ridge, Ill. Washer. No. 1,279,686; Sept. 24; v. 254; p. 718.
Hale, Edward E., Guelph, Ontario, Canada. Folding cardboard egg box or carrier. No. 1,252,002; Jan. 1; v. 246; p. 165.
Hale, Frank A., Chicago, Ill. Stand for memorandum-calendars. (Reissue.) No. 14,442; Mar. 5; v. 248; p. 206.
Hale, Fred E., Omaha, Nebr., assignor, by mesne assignments, to United States Carburetor Company. Carbureter accessory. No. 1,273,363; July 23; v. 252; p. 814.
Hale, George W., assignor, by mesne assignments, to The Reliance Gauge Column Company, Cleveland, Ohio. Clutch. No. 1,265,906; May 14; v. 250; p. 315.
Hale, Guy V., Saratoga Springs, N. Y. Shaft-coupling. No. 1,278,459; Sept. 10; v. 254; p. 329.
Hale, Henry S., Philadelphia, Pa. Combined shoe and legging. No. 1,258,560; Mar. 5; v. 248; p. 179.
Hale, James E., Akron, Ohio. Cushion-tire for vehicle-wheels. No. 1,255,876; Feb. 12; v. 247; p. 261.
Hale and Kilburn Company. (See Bell, Alfred B., assignor.)
Hale and Kilburn Company. (See Kilburn, John E., assignor.)
Hale and Kilburn Company. (See Lambert, Albert L., assignor.)
Hale, William E., assignor to R. H. Beaumont Company, Philadelphia, Pa. Means for operating overhead valves of coaling apparatus. No. 1,272,037; July 9; v. 252; p. 394.
Hale, Willis W., assignor of one-fourth to N. G. Gray, Cleveland, Ohio. Adjustable speed-motor. No. 1,254,902; Jan. 29; v. 246; p. 1117.
Halenar, Frank, Clayville, N. Y. Insect-trap. No. 1,285,686; Nov. 26; v. 256; p. 683.
Hales, Henry, Havre, Mont. Weeder. No. 1,254,687; Jan. 29; v. 246; p. 1051.
Hales, Henry W., Ridgewood, N. J. Weeding implement. No. 1,262,482; Apr. 9; v. 249; p. 449.
Haley, Edgar L., Crofton, Ky. Fishing-rod. No. 1,270,726; June 25; v. 251; p. 809.
Haley, Ernest T., Lufkin, Tex. Fireplace-guard. No. 1,273,776; July 23; v. 252; p. 923.
Haley, John W. (See Fletcher and Haley.)
Haley, Joseph W., and C. B. Yelton, Erlanger, Ky. Lumber-register. No. 1,274,412; Aug. 6; v. 253; p. 20.
Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Glass-mold. No. 1,278,336; Sept. 10; v. 254; p. 299.
Haley, Seabron M., Dallas, Tex. Foot steering device for automobiles. No. 1,257,601; Feb. 26; v. 247; p. 840.
Halford, John H., Bridgeport, Pa., assignor to James Lees and Sons Company. Treating worsted yarn. No. 1,271,893; July 9; v. 252; p. 351.
Halinka, George, Detroit, Mich. Valve-lock. No. 1,266,797; May 21; v. 250; p. 592.
Hall, Addison, *et al.* (See Wiswell, Arthur M., assignor.)
Hall, Adelbert M., Baldwin, Kans. Dirigible headlight for automobiles. No. 1,253,172; Jan. 8; v. 246; p. 537.
Hall, Albert E., National Stock Yards, Ill. Roll-paper attachment for type-writers. No. 1,274,540; Aug. 6; v. 253; p. 58.
Hall, Alfred, assignor of one-half to C. F. Crowell, Brookline, Mass. Attachment for faucets. No. 1,264,639; Apr. 30; v. 249; p. 1134.
Hall, Alfred, Worcester, Mass., and E. D. G. Brouse, Toronto, Ontario, Canada; said Brouse assignor to said Hall. Stamp-affixer. No. 1,281,353; Oct. 15; v. 255; p. 401.
Hall, Arthur E., New York, N. Y. Jack-guide. No. 1,262,483; Apr. 9; v. 249; p. 449.
Hall, Arthur J. (See Simmon and Hall.)
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,253,235; Jan. 15; v. 246; p. 584.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Controller. No. 1,260,665; Mar. 26; v. 248; p. 888.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,260,666; Mar. 26; v. 248; p. 889.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating-support. No. 1,262,784; Apr. 16; v. 249; p. 564.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,264,297; Apr. 30; v. 249; p. 1037.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,266,586; May 21; v. 250; p. 531.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Liquid rheostat. No. 1,275,908; Aug. 13; v. 253; p. 463.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,277,408; Sept. 3; v. 254; p. 22.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,277,409; Sept. 3; v. 254; p. 22.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lubricating device. No. 1,277,410; Sept. 3; v. 254; p. 22.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,278,143; Sept. 10; v. 254; p. 246.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,278,917; Sept. 17; v. 254; p. 485.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,280,990; Oct. 8; v. 255; p. 266.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,289,161; Dec. 31; v. 257; p. 848.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,289,162; Dec. 31; v. 257; p. 849.
Hall-Borchert Dress Form Company. (See Granger, Frank B., assignor.)
Hall-Borchert Dress Form Company. (See Kroll, Waldemar, assignor.)
Hall, Burton P., Fanwood, N. J. Apparatus for atomizing liquids, such as paints, inks, varnishes, &c. No. 1,261,122; Apr. 2; v. 249; p. 37.
Hall, Burton P., Fanwood, N. J. Sectional shipping-case. No. 1,261,123; Apr. 2; v. 249; p. 38.
Hall, Burton P., Fanwood, N. J. Dowel-pin. No. 1,287,678; Dec. 17; v. 257; p. 434.
Hall, C. J., trustee. (See Stalker, Carlton H., assignor.)
Hall Canner Company. (See Hall, George M., assignor.)

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Hall, Cassius C., Danville, Ill. Power transmission. No. 1,279,105; Sept. 17; v. 254; p. 533.
Hall, Cassius G., assignor to E. A. Titsworth, Adams Center, N. Y. Checker-board. No. 1,256,999; Feb. 19; v. 247; p. 629.
Hall, Chalmers G., U. S. Army. Automatic tire-pump. No. 1,254,903; Jan. 29; v. 246; p. 1118.
Hall, Charles M., deceased, Niagara Falls, N. Y.; A. V. Davis, Pittsburgh, Pa., and H. H. Johnson, Cleveland, Ohio, executors. Treating aluminous materials of high silica content. No. 1,282,222; Oct. 22; v. 255; p. 674.
Hall, Charles W., Larchmont, N. Y. Aeroplane. No. 1,287,297; Dec. 10; v. 257; p. 309.
Hall, Chester I., assignor to Chicago Electric Meter Company, Chicago, Ill. Time-indicator. No. 1,262,040; Apr. 9; v. 249; p. 325.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Demand-limiting apparatus. No. 1,267,213; May 21; v. 250; p. 708.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Position indicator or recorder. No. 1,267,214; May 21; v. 250; p. 709.
Hall, Clarence A., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Treatment of cement copper. No. 1,290,024; Dec. 31; v. 257; p. 1062.
Hall, Clifford H., assignor to Waterbury Clock Co., Waterbury, Conn. Bezel for watch-crystals. No. 1,260,894; Mar. 26; v. 248; p. 951.
Hall, Cyrus M., Houston, Tex. Belt-buckle. No. 1,266,680; May 21; v. 250; p. 559.
Hall, David J., Wilmington, Del. Land-worker. No. 1,282,817; Oct. 29; v. 255; p. 864.
Hall, Dorothy, Los Angeles, Cal. Plastic composition suitable for making carved flower-beads and making the same. No. 1,253,236; Jan. 15; v. 246; p. 584.
Hall, Emmett E., Lincoln, Nebr. Collar-button. No. 1,278,337; Sept. 10; v. 254; p. 299.
Hall, Ernest C., Warren, Ohio. Removable shoe for airplane-skids. No. 1,267,864; May 28; v. 250; p. 918.
Hall, Ernest E., New Eltham, London, England. Zigzag-course control. No. 1,253,816; Jan. 15; v. 246; p. 752.
Hall, Frank A. (See McIntosh, Burtnett, assignor.)
Hall, Frank B., Newton Falls, Ohio, Garage. No. 1,288,567; Dec. 24; v. 257; p. 680.
Hall, Frank H., Boston, Mass. Saw-filing machine. No. 1,269,705; June 18; v. 251; p. 508.
Hall, Fred W., Sapulpa, Okla. Stand-valve ball-lift. No. 1,277,309; Aug. 27; v. 253; p. 912.
Hall, George B., Hall City, Fla. Palmetto-plow. No. 1,283,746; Nov. 5; v. 256; p. 81.
Hall, George F., Providence, R. I. Launching device for life-boats. No. 1,289,046; Dec. 24; v. 257; p. 795.
Hall, George G., Los Angeles, Cal. Shoe-brushing machine. No. 1,275,674; Aug. 13; v. 253; p. 398.
Hall, George J., Boston, Mass. Door-stop. No. 1,260,192; Mar. 19; v. 248; p. 715.
Hall, George M., assignor to Hall Canner Company, Grand Rapids, Mich. Rack. No. 1,276,905; Aug. 27; v. 253; p. 805.
Hall, George R., Colchester, Ill. Self-adjusting shovel. No. 1,264,640; Apr. 30; v. 249; p. 1134.
Hall, George W., assignor of one-half to C. S. Rauh, Indianapolis, Ind. Capillary spring-oiler. No. 1,258,672; Mar. 12; v. 248; p. 250.
Hall, Gideon E., Milford, Conn. Spraying-device attachment. No. 1,282,818; Oct. 29; v. 255; p. 864.
Hall, Grant M., Keene, N. H. Heel-grooving machine. No. 1,255,412; Feb. 5; v. 247; p. 87.
Hall, Harold A., San Jose, Cal. Cylinder for internal-combustion engines. No. 1,274,161; July 30; v. 252; p. 1070.
Hall, Harold M., Los Angeles, Cal. Shutter-trip. No. 1,275,555; Aug. 13; v. 253; p. 364.
Hall, Harry G., Atlanta, Ga. Pasteboard tray. No. 1,271,033; July 2; v. 252; p. 80.
Hall, Harry G., Atlanta, Ga. Collapsible box. No. 1,271,034; July 2; v. 252; p. 80.
Hall, Harvey Y. (See Ahlm and Hall.)
Hall, Henry, Lowell, Mass. Direction-indicator. No. 1,261,228; Apr. 2; v. 249; p. 66.
Hall, Holmes. (See May, Harry E., assignor.)
Hall, Holmes, *et al.* (See May, Harry E., assignor.)
Hall, James A., Rochester, N. Y. Intake-manifold for engines. No. 1,260,895; Mar. 26; v. 248; p. 951.
Hall, James H., Chicago, Ill. Lacing-hook. No. 1,269,076; June 11; v. 251; p. 303.
Hall, James H., Lexington, Mo. Chalking-machine. No. 1,273,219; July 23; v. 252; p. 776.
Hall, James W., Pardeeville, Wis. Fish-stop. No. 1,255,741; Feb. 5; v. 247; p. 182.
Hall, Jay H., Cleveland, Ohio. Overload apparatus. No. 1,273,101; July 16; v. 252; p. 718.
Hall, Jay H., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor-control system. No. 1,275,909; Aug. 13; v. 253; p. 463.
Hall, John A., Arkadelphia, Ala. Automobile-holder. No. 1,262,484; Apr. 9; v. 249; p. 450.
Hall, John A., Ooltewah, Tenn. Safety-envelop. No. 1,285,687; Nov. 26; v. 256; p. 683.
Hall, John A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Indicating device. No. 1,262,333; Apr. 9; v. 249; p. 407.
Hall, John A., East Orange, N. J., assignor, by mesne assignment, to Western Electric Company. Adapter for ignition systems. No. 1,284,660; Nov. 12; v. 256; p. 345.
Hall, John H., Napavine, Wash. Lumber-bumper. No. 1,289,034; Dec. 24; v. 257; p. 792.
Hall, John L., Schenectady, N. Y., assignor to General Electric Company. Signaling system. No. 1,258,000; Mar. 5; v. 248; p. 15.
Hall, John L., Schenectady, N. Y., assignor, to General Electric Company. Projector. No. 1,284,661; Nov. 12; v. 256; p. 345.
Hall, John P., and C. F. Fields, Caldwell, Idaho; said Fields assignor to said Hall. Fly-killer. No. 1,286,894; Dec. 3; v. 257; p. 168.
Hall, Julius R., Oak Park, assignor to Booth-Hall Company, Chicago, Ill. Furnace-door. No. 1,286,604; Dec. 3; v. 257; p. 102.
Hall, Laura B., Tiawah, Okla. Netting-support for tables. No. 1,264,065; Apr. 23; v. 249; p. 939.
Hall, Lewis B., Pittsburgh, Pa. Photographic-print washer. No. 1,275,556; Aug. 13; v. 253; p. 364.
Hall, Lewis T., and F. Tuttle, Houston Heights, Tex.; said Tuttle assignor to said Hall. Tanning hides and skins. No. 1,256,789; Feb. 19; v. 247; p. 566.
Hall, Lincoln, Los Angeles, Cal. Label-file. No. 1,271,508; July 2; v. 252; p. 210.
Hall, Lincoln, Los Angeles, Cal.. Holder for labels and the like. No. 1,288,568; Dec. 24; v. 257; p. 681.
Hall, Louis B., London, England. Fuel-supply device for internal-combustion engines. No. 1,263,886; Apr. 23; v. 249; p. 891.
Hall, Milan W., New York, N. Y., assignor, by mesne assignments, to Piston-Valve Motor Company. Internal-combustion engine. No. 1,284,190; Nov. 5; v. 256; p. 199.
Hall Printing Press Company. (See White, Joseph, assignor.)
Hall, Ralph J., Falls City, Oreg. Tie-slide for collars. No. 1,277,310; Aug. 27; v. 253; p. 912.
Hall, Robert G., St. Louis, Mo. Concentrating ores. No. 1,276,058; Aug. 20; v. 253; p. 537.
Hall, Robert W., Greeley, Colo. Portable hoisting-crane. No. 1,256,688; Feb. 19; v. 247; p. 537.
Hall, Royal L., Buffalo township, Marquette county, Wis. Fulcrum-changing machine. No. 1,271,568; July 9; v. 252; p. 261.
Hall, Rupert E., Philadelphia, Pa. Dental articulator. No. 1,271,161; July 2; v. 252; p. 115.
Hall, Samuel E. (See Harrison, Hall, and Gholson.)
Hall, Spencer F., Racine, Wis. Vehicle-spring snubber. No. 1,267,070; May 21; v. 250; p. 668.
Hall Switch & Signal Co. (See Blake, Eli J., assignor.)
Hall Switch & Signal Co. (See Field, Oscar S., assignor.)
Hall Switch & Signal Co. (See Frink, Olin B., assignor.)
Hall Switch & Signal Co. (See Kendall, Allen B., assignor.)
Hall Switch & Signal Co. (See Lundy, Beverly A., assignor.)
Hall Switch & Signal Co. (See Ritter, John A., assignor.)
Hall Switch & Signal Co. (See Taylor, Herbert B., assignor.)
Hall, Thomas M., High Point, N. C. Ironing-board. No. 1,265,080; May 7; v. 250; p. 59.
Hall, Tom, New York, N. Y. Cardboard can-holder. No. 1,275,675; Aug. 13; v. 253; p. 398.
Hall-Welter Company. (See Welter, Herman C., assignor.)
Hall, Wilbur, Bridgeport, W. Va. Wrench. No. 1,282,223; Oct. 22; v. 255; p. 674.
Hall, William A., Yonkers, N. Y. Pipe-coupling. No. 1,257,852; Feb. 26; v. 247; p. 914.
Hall, William A., New York, N. Y. Apparatus for making motor-fuel. No. 1,285,136; Nov. 19; v. 256; p. 505.
Hall, William A., New York, N. Y., assignor to Motor Petrol Company, Brattleboro, Vt. Converting hydrocarbon. No. 1,261,930; Apr. 9; v. 249; p. 296.
Hall, William B., Chicago, Ill., assignor to Union Railway Equipment Co. Refrigerator-car. No. 1,268,566; June 4; v. 251; p. 141.
Hall, William D., West Philadelphia, Pa., assignor of one-half to J. E. Bonichou. Portable door-securing device. No. 1,252,003; Jan. 1; v. 246; p. 165.
Hall, William G., California, Pa. Paint-vehicle and method of making same. No. 1,279,106; Sept. 17; v. 254; p. 534.
Hall, William J., assignor of one-half to C. Mills, Cincinnati, Ohio. Folding box. No. 1,269,706; June 18; v. 251; p. 508.
Hall, William P., Cedar Falls, assignor to Mrs. L. K. McAlister, Guilford county, N. C. Combined rule and square. No. 1,289,047; Dec. 24; v. 257; p. 796.
Halladay, Lewis P., Streator, Ill. Bumper. No. 1,273,482; July 23; v. 252; p. 846.
Halladay, Lewis P., Streator, Ill. Adjustable support for automobile-bumpers. No. 1,277,343; Aug. 27; v. 253; p. 920.
Halladay, Lewis P., Streator, Ill. Shock-absorber. No. 1,287,003; Dec. 10; v. 257; p. 235.

Hallam, Henry, Paris, France. Driving-wheel for mechanical tractors. No. 1,284,097; Nov. 5; v. 256; p. 174.
Hallam, Henry, Paris, France. Driving-wheel for mechanical tractors. No. 1,284,098; Nov. 5; v. 256; p. 174.
Hallam-Rice Co. (See Sawyer, Asa L., assignor.)
Hallam, Thomas J., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Eyeleting-machine. No. 1,271,722; July 9; v. 252; p. 305.
Hallam, William R., *et al.* (See Gothner, John, assignor.)
Hallbäck, Carl A., Hessleholm, Sweden. Two-stroke cycle internal-combustion engine. No. 1,279,334; Sept. 17; v. 254; p. 596.
Halleck, William C. (See Le Fevre, George A., assignor.)
Hallenbeck, Angeline D., Brooklyn, N. Y. Protector for corset steels and bones. No. 1,255,413; Feb. 5; v. 247; p. 87.
Hallenbeck, George E., assignor to Baker Brothers, Toledo, Ohio. Drilling-machine. No. 1,256,790; Feb. 19; v. 247; p. 566.
Halleran, Thomas A., Flushing, N. Y. Tire-pump for automobiles. No. 1,273,483; July 23; v. 252; p. 846.
Halleran, Thomas A., Flushing, N. Y. License-plate holder for automobiles. No. 1,280,452; Oct. 1; v. 255; p. 94.
Halley, James M. (See Halley, Thomas R. and J. M.)
Halley, Thomas R. and J. M., Edwardsville, Ill. Container. No. 1,258,113; Mar. 5; v. 248; p. 48.
Halliburton, William, assignor of one-half to L. S. Williams, St. Louis, Mo. Push-cart. No. 1,286,298; Dec. 3; v. 257; p. 28.
Hallinan, Jeremiah L., New Britain, Conn. Feeding device for mixers. No. 1,287,976; Dec. 17; v. 257; p. 508.
Halliwell, Reginald F., Rugby, England, assignor to General Electric Company. Elastic-fluid engine. No. 1,269,535; June 11; v. 251; p. 427.
Halliwell, Reginald F., Rugby, England, assignor to General Electric Company. Centrifugal pump and compressor. No. 1,284,662; Nov. 12; v. 256; p. 346.
Hallner, Andrew, Arboga, Cal. Spring-wheel. No. 1,252,689; Jan. 8; v. 246; p. 394.
Hallner, Andrew, Arboga, Cal. Vehicle-spring. No. 1,252,690; Jan. 8; v. 246; p. 395.
Hallock, Lloyd B., Akron, Ohio. Automobile-lock. No. 1,288,569; Dec. 24; v. 257; p. 681.
Hallock, William I., Los Angeles, Cal. Commutator. No. 1,266,798; May 21; v. 250; p. 592.
Hallongren, Per G. H., Stockholm, Sweden. Internal-combustion engine. No. 1,277,717; Sept. 3; v. 254; p. 107.
Hallstrom, Oscar E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Outlet-box fitting. No. 1,286,605; Dec. 3; v. 257; p. 103.
Halperin, Morris, Brooklyn, N. Y. Life-belt. No. 1,259,978; Mar. 19; v. 248; p. 657.
Halperin, Morris, Brooklyn, N. Y. Boat. No. 1,287,977; Dec. 17; v. 257; p. 509.
Halse, Ole. (See Dedichen and Halse.)
Halseth, Henry E., Aurora, Minn. Bracelet. No. 1,268,965; June 11; v. 251; p. 271.
Halsey, Edward S., Albany, N. Y. Automatic absorber-refrigerator. No. 1,273,364; July 23; v. 252; p. 814.
Halsey, Edward S., Yonkers, N. Y. Thermostatic heat-regulating valve mechanism. No. 1,285,990; Nov. 26; v. 256; p. 760.
Halsey, Edward S., Yonkers, N. Y. Temperature-regulating valve mechanism. No. 1,285,991; Nov. 26; v. 256; p. 760.
Halsey, Edward S., Takoma Park, D. C. Automatic balloon distributing system. No. 1,286,178; Nov. 26; v. 256; p. 805.
Halsey, James T., deceased, Philadelphia, Pa.; S. M. M. Halsey, administratrix. Brake. No. 1,272,038; July 9; v. 252; p. 394.
Halsey, James T., deceased; S. M. M. Halsey, administratrix. Philadelphia, Pa. Internal-combustion engine. No. 1,276,351; Aug. 20; v. 253; p. 617.
Halsey, Louis M., assignor to W. M. Bristow, Brooklyn, N. Y. Awning. No. 1,260,667; Mar. 26; v. 248; p. 889.
Halsey, Norman W., New York, N. Y. View-finder for cameras. No. 1,267,404; May 21; v. 250; p. 787.
Halsey, Sue M. M., administratrix. (See Halsey, James T.)
Halstead, Hobart, Montclair, N. J. Jewelry. No. 1,271,894; July 9; v. 252; p. 351.
Halstead, John F., Brooklyn, assignor to Wahlstrom Tool Company, New York, N. Y. Tapping attachment for boring-machines. No. 1,260,896; Mar. 26; v. 248; p. 952.
Halstead, Stanley M. (See Vaughan and Halstead.)
Haltenberger, Jules, Jackson, Mich. Oiler. No. 1,257,223; Feb. 19; v. 247; p. 693.
Halterman, John W., Willows, Cal. Mechanical razor. No. 1,286,606; Dec. 3; v. 257; p. 103.
Haltom, Marcellus M., Ripley, Tenn. Aircraft. No. 1,289,163; Dec. 31; v. 257; p. 849.
Halverson, Amanda A., Delavan, Minn. Lamp-chimney holder. No. 1,289,741; Dec. 31; v. 257; p. 992.
Halverson, Joseph O., and A. A. Dekum, Portland, Oreg. Sterilizer. No. 1,275,676; Aug. 13; v. 253; p. 398.
Halvorsen, Severin, assignor to The Newspaper Stuffing Machines Company, Seattle, Wash. Newspaper-stuffing machine. No. 1,257,482; Feb. 26; v. 247; p. 804.
Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Light-fixture. No. 1,267,865; May 28; v. 250; p. 918.
Halvorson, Cromwell A. B., Jr., and J. T. Beechlyn, Saugus, Mass., assignors to General Electric Company. Light attachment. No. 1,287,298; Dec. 10; v. 257; p. 310.
Halyburton, Charles P. (See Kirkbride, Edmund, assignor.)
Ham Boiler Corporation. (See Adelmann, Hans, assignor.)
Ham, Philip W. (See Beardsley and Ham.)
Hamacher, Mary B., and I. McCutchan, Windsor, Mo. Automatic telephone-responder. No. 1,277,572; Sept. 3; v. 254; p. 66.
Hamale, François D. d', Enfield, England. Electro-mechanical make-and-break movement for electric circuits. No. 1,282,388; Oct. 22; v. 255; p. 719.
Hamann, Charles, Portchester, N. Y. Bottle-washer. No. 1,269,077; June 11; v. 251; p. 303.
Hamann, J. W. (See Schondelmaier, Charles G., assignor.)
Hamann, Wilhelm, Charlottenburg, Germany. Clasp. No. 1,267,765; May 28; v. 250; p. 888.
Hambay, J. T., *et al.* (See Allen, Benjamin T., assignor.)
Hambleton, Leonard D., assignor to W. L. Parker, Lowell, Mass. Wood-turning machine. No. 1,286,299; Dec. 3; v. 257; p. 28.
Hamblin & Russell Manufacturing Company. (See Ryerson and Russell, assignors.)
Hamblin & Russell Mfg. Company. (See Collier, Frederick W., assignor.)
Hambloch, Anton H., Andernach-on-Rhine, Germany, assignor to H. F. Boersma, The Hague, Netherlands. Manufacture of building-cement. No. 1,252,264; Jan. 1; v. 246; p. 237.
Hambuechen, Carl, Belleville, Ill., assignor, by mesne assignments, to National Carbon Company, Inc., Cleveland, Ohio. Battery hand-lamp. No. 1,289,459; Dec. 31; v. 257; p. 923.
Hamburger, Mary J., Bayport, N. Y. Self-cleaning rake. No. 1,255,742; Feb. 5; v. 247; p. 182.
Hamel, Charles W., Wellston, Mo. Game apparatus. No. 1,252,691; Jan. 8; v. 246; p. 395.
Hamel Shoe Machinery Company, The. (See Angell, Otis R., assignor.)
Hamel Shoe Machinery Company. (See Lancaster, John T., assignor.)
Hamel Shoe Machinery Company. (See Mackey, Jay A., assignor.)
Hamel Shoe Machinery Company. (See Scarlett, William E., assignor.)
Hamelback, Jacob A., Newark, Ohio. Automobile-raising truck. No. 1,276,210; Aug. 20; v. 253; p. 579.
Hamer, Charles A., Sioux City, Iowa. Ironing-board attachment. No. 1,278,918; Sept. 17; v. 254; p. 485.
Hamer, William D., Indianapolis, Ind. Rail-bond. No. 1,281,561; Oct. 15; v. 255; p. 455.
Hames, Harry C., London, Ohio, assignor to G. P. Pierce, Kansas City, Mo. Silo. No. 1,286,300; Dec. 3; v. 257; p. 29.
Hamil, Andrew B., A. O. Vensel, and F. S. Bergstrom, Ray, Ariz. House-ventilating and fire-extinguishing system. No. 1,264,066; Apr. 23; v. 249; p. 939.
Hamilton, Alston. (See Hamilton, James B. and A.)
Hamilton, Amos B., Visalia, Cal. Spring-wheel. No. 1,253,965; Jan. 15; v. 246; p. 794.
Hamilton, Arthur M., Chesnee, S. C. Metallic-reinforced picker for looms. No. 1,283,747; Nov. 5; v. 256; p. 81.
Hamilton, Ashton, trustee. (See Poole, John H., assignor.)
Hamilton, Ashton, Brockton, Mass. Flexible molding. No. 1,285,688; Nov. 26; v. 256; p. 683.
Hamilton, Beauchamp, Woodworth. (See Hamilton, Edward M., assignor.)
Hamilton, Cameron G., assignor of one-half to C. K. Sturtevant, Seattle, Wash. Combination head-lamp and flash-light. No. 1,274,263; July 30; v. 252; p. 1100.
Hamilton, Charles H., Aurora, Ill. Bulldozer. No. 1,280,991; Oct. 8; v. 255; p. 266.
Hamilton, Clarence F., Kokomo, Ind. Ice-cycle. No. 1,284,663; Nov. 12; v. 256; p. 346.
Hamilton, De Forest. (See Dickerson and Hamilton.)
Hamilton, Edward A., Hawthorne, Pa. Pot-making machine. No. 1,267,215; May 21; v. 250; p. 709.
Hamilton, Edward H., Trail, British Columbia, Canada, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Toronto, Ontario, Canada. Electrolytic tank for electrochemical reactions. No. 1,269,078; June 11; v. 251; p. 303.
Hamilton, Edward M., assignor to Hamilton, Beauchamp, Woodworth, Inc., San Francisco, Cal. Extraction of metals from their ores. No. 1,261,383; Apr. 2; v. 249; p. 112.
Hamilton, Frank L., assignor of one-half to W. E. Gregg, Ford City, Pa. Shipping-case. No. 1,254,688; Jan. 29; v. 246; p. 1051.
Hamilton, George L., Toronto, Ontario, Canada. Arch-support and shoe-filler. No. 1,284,191; Nov. 5; v. 256; p. 199.
Hamilton, Harry E., Bridgeport, Ill. Stand-valve tap. No. 1,276,756; Aug. 27; v. 253; p. 766.

Hamilton, James B., Hoboken, and A. Hamilton, Sandy Hook, N. J. Firearm. No. 1,269,178; June 11; v. 251; p. 330.
Hamilton, James W., Brooklyn, N. Y. Method of and apparatus for constructing tunnels. No. 1,275,910; Aug. 13; v. 253; p. 464.
Hamilton, John A., Tulsa, Okla. Tire-shrinking machine. No. 1,264,641; Apr. 30; v. 249; p. 1134.
Hamilton, John J., St. Louis, Mo. Clip. No. 1,263,887; Apr. 23; v. 249; p. 891.
Hamilton, John M., Los Angeles, Cal. Antifriction-spring. No. 1,258,561; Mar. 5; v. 248; p. 179.
Hamilton, John M., Los Angeles, Cal. Shock-absorbing antifriction-spring. No. 1,268,966; June 11; v. 251; p. 272.
Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic fire-extinguishing apparatus. No. 1,264,390; Apr. 30; v. 249; p. 1063.
Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Chemical fire-extinguishing apparatus. No. 1,264,391; Apr. 30; v. 249; p. 1063.
Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic chemical fire-extinguishing apparatus. No. 1,264,392; Apr. 30; v. 249; p. 1064.
Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Chemical fire-extinguishing apparatus. No. 1,264,393; Apr. 30; v. 249; p. 1064.
Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic fire-extinguishing apparatus. No. 1,264,394; Apr. 30; v. 249; p. 1064.
Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic fire-extinguishing apparatus. No. 1,282,074; Oct. 22; v. 255; p. 633.
Hamilton, John R., Yonkers, assignor to Automatic Sprinkler Company of America, New York, N. Y. Automatic sprinkler-alarm device. No. 1,289,455; Dec. 31; v. 257; p. 922.
Hamilton Machine Tool Company. (See McCann, Alfred R., assignor.)
Hamilton, Maurice E., Springfield, Mo., and W. H. Johnson, Terre Haute, Ind. Speed-controller. No. 1,277,718; Sept. 3; v. 254; p. 108.
Hamilton, Paul W. (See Hamilton, Philip E. and P. W.)
Hamilton, Philip E. and P. W., Beaver Falls, Pa. Automatic numbering device for photoprinting-machines. No. 1,252,075; Jan. 1; v. 246; p. 186.
Hamilton, Robert A., New York, N. Y. Pipe. No. 1,276,059; Aug. 20; v. 253; p. 537.
Hamilton, Robert C., Sangudo, Alberta, Canada. Horseshoe. No. 1,255,092; Jan. 29; v. 246; p. 1169.
Hamilton, Rush E., Geyerville, assignor to Hamilton Tractor Company, San Francisco, Cal. Self-cleaning tractor-wheel. No. 1,274,710; Aug. 6; v. 253; p. 106.
Hamilton Tractor Company. (See Hamilton, Rush E., assignor.)
Hamm, Walter E. (See Whittemore and Hamm.)
Hamilton, William L., Glasgow, Scotland. Transportation by means of vehicles and means for use in conjunction therewith. No. 1,280,992; Oct. 8; v. 255; p. 267.
Hamilton, William L., and G. McCullough, Austin, Tex. Valve-closure for ventilators. No. 1,275,557; Aug. 13; v. 253; p. 365.
Hamilton, William S. H. (See Stearns and Hamilton.)
Hamilton, William S. H., Schenectady, N. Y., assignor to General Electric Company. Motor control. No. 1,267,216; May 21; v. 250; p. 709.
Hamlin, Joseph H., Winston-Salem, N. C. Inner tube for automobile-tires. No. 1,282,690; Oct. 22; v. 255; p. 801.
Hamm, Carl F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for cutting sheet material. No. 1,275,250; Aug. 13; v. 253; p. 281.
Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Co. Binder for lenses. No. 1,268,567; June 4; v. 251; p. 142.
Hamm, William S., Hubbard Woods, assignor to The Adams & Westlake Company, Chicago, Ill. Band-feeding device. No. 1,276,906; Aug. 27; v. 253; p. 805.
Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company. Signal-lamp. No. 1,288,570; Dec. 24; v. 257; p. 681.
Hamm, William S., Hubbard Woods, and B. W. Seidel, assignors to The Adams & Westlake Company, Chicago, Ill. Solder-distributer. No. 1,258,673; Mar. 12; v. 248; p. 251.
Hamman, George. (See Carmichael, Robert E., assignor.)
Hammar, Charles C. R., San Francisco, Cal. Key-pulling device. No. 1,273,484; July 23; v. 252; p. 847.
Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Jar-closure. No. 1,260,376; Mar. 26; v. 248; p. 803.
Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Threaded jar-closure. No. 1,267,866; May 28; v. 250; p. 918.
Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Vacuum-cap. No. 1,280,020; Sept. 24; v. 254; p. 813.
Hammer, Charles, Brooklyn, assignor to American Metal Cap Co., Brooklyn, N. Y. Sealing jar-closures. No. 1,280,021; Sept. 24; v. 254; p. 814.
Hammer, Delos E., High Point, N. C. Type-writer attachment. No. 1,252,265; Jan. 1; v. 246; p. 237.
Hammer, Delos E., Washington, D. C. Railway-crossing. No. 1,261,519; Apr. 2; v. 249; p. 150.
Hammer, Edna I., Ames, Iowa. Adjustable supporting-rod. No. 1,253,486; Jan. 15; v. 246; p. 659.
Hammer, Isaac, New York, N. Y. Lock. No. 1,280,993; Oct. 8; v. 255; p. 267.
Hammer, Isaac, New York, N. Y. Door-lock. No. 1,289,742; Dec. 31; v. 257; p. 992.
Hammer, Joseph C. (See Claussen and Hammer.)
Hammer, Louis, assignor of one-eighth to A. C. Bury and one-eighth to F. L. Landon, Olds, Alberta, Canada. Auto pull-out. No. 1,256,791; Feb. 19; v. 247; p. 566.
Hammer, Peder, Chicago, Ill. Trolley-pole. No. 1,266,460; May 14; v. 250; p. 466.
Hammerly, Richard, New York, N. Y. Necktie-holder. No. 1,256,477; Feb. 12; v. 247; p. 439.
Hammersmith, William C., Denver, Colo. Extension delivery and drying attachment for printing-presses. No. 1,258,001; Mar. 5; v. 248; p. 15.
Hammerstein, Arthur, New York, N. Y. Coffee-percolator. No. 1,267,405; May 28; v. 250; p. 787.
Hammerstein, Oscar, New York, N. Y. Apparatus for applying protective wrappers to cigars. No. 1,269,600; June 18; v. 251; p. 478.
Hammerstein, Oscar, New York, N. Y. Cigar-maker's apparatus. No. 1,285,137; Nov. 19; v. 256; p. 505.
Hammesfahr, Julius, Newark, N. J., assignor to The R. Neumann Hardware Co. Locking mechanism for bag-frames. No. 1,278,640; Sept. 10; v. 254; p. 379.
Hammett, James V. (See O'Neal, Hammett, and Guinn.)
Hammetter, August H. (See Pfefferkorn and Schloerb, assignors.)
Hammon, James H., Vincennes, Ind. Lens grinding and polishing machine. No. 1,275,019; Aug. 6; v. 253; p. 192.
Hammond, Albert E., Portland, Oreg. Evaporator. No. 1,266,461; May 14; v. 250; p. 466.
Hammond, George F., Montecito, Cal. Automatic switch. No. 1,269,079; June 11; v. 251; p. 304.
Hammond, George H., Spokane, Wash. Wagon-brake-actuating means. No. 1,288,876; Dec. 24; v. 257; p. 754.
Hammond, Goldie, Louisville, Ky. Educational device. No. 1,289,743; Dec. 31; v. 257; p. 992.
Hammond, Grant, Hartford, Conn., assignor to Dalton Arms Corporation, New York, N. Y. Magazine for firearms. No. 1,260,991; Mar. 26; v. 248; p. 977.
Hammond, Grant, Hartford, Conn., assignor to Dalton Arms Corporation, New York, N. Y. Butt-plate for firearms. No. 1,286,301; Dec. 3; v. 257; p. 9.
Hammond, John H., Jr., Gloucester, Mass. Selective electric-wave signaling. No. 1,274,264; July 30; v. 252; p. 1100.
Hammond, John H., Jr., Gloucester, Mass. Automatic guide-light for vessels. No. 1,274,265; July 30; v. 252; p. 1100.
Hammond, Leander W., assignor of one-third to J. T. Vail and one-third to T. Casner, Plainfield, N. J. Wave-motor. No. 1,263,888; Apr. 23; v. 249; p. 892.
Hammond, Mary M., Kansas City, Mo. Sample-case. No. 1,280,453; Oct. 1; v. 255; p. 94.
Hammond, Mary M., Kansas City, Mo. Tray mechanism. No. 1,284,322; Nov. 12; v. 256; p. 262.
Hammond, Myron B., assignor to Thomas P. Taylor Co., Bridgeport, Conn. Man's garter. No. 1,253,686; Jan. 15; v. 246; p. 716.
Hammond, Robert S., assignor to American Steel Foundries, Chicago, Ill. Carrier-iron. No. 1,287,679; Dec. 17; v. 257; p. 434.
Hammond, William P., *et al.* (See Evans, Fred, assignor.)
Hammond, William P., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-rack. No. 1,270,817; July 2; v. 252; p. 18.
Hammond, William P., Passaic, N. J. Bumper for automobiles. No. 1,276,211; Aug. 20; v. 253; p. 579.
Hammond, William P., New York, N. Y. Mirrored windshield for automobiles. No. 1,283,164; Oct. 29; v. 255; p. 959.
Hammrich, Joseph F., Cleveland, Ohio. Bed-spring. No. 1,286,607; Dec. 3; v. 257; p. 103.
Hampell, Oscar, Cicero, Ill. Cotter-pin puller. No. 1,258,674; Mar. 12; v. 248; p. 251.
Hampton, Durward B., St. Helena, Cal. Step-ladder. No. 1,258,332; Mar. 5; v. 248; p. 111.
Hampton, John W., Berea, assignor to The Cleveland Stone Company, Cleveland, Ohio. Grinding-machine. No. 1,268,967; June 11; v. 251; p. 272.
Hampton Planter Company. (See Criner, Harry J., assignor.)

Alphabetical list of patentees—Continued.

Hampton, William J., Pittsburgh, and W. H. Ritts, Etna, assignors to Spang, Chalfant and Co. Incorporated, Pittsburgh, Pa. Rolling-mill. No. 1,251,514; Jan. 1; v. 246; p. 19.
Hampton, William J., Pittsburgh, and W. H. Ritts, Etna, assignors to Spang, Chalfant and Co., Incorporated, Pittsburgh, Pa. Rolling-mill. No. 1,251,515; Jan. 1; v. 246; p. 19.
Hampton, William J., assignor to Spang, Chalfant and Co., Incorporated, Pittsburgh, Pa. Thread-cutting device. No. 1,275,677; Aug. 13; v. 253; p. 398.
Hamrick, Alfred N., Silt, Colo. Motor-vehicle. No. 1,284,664; Nov. 12; v. 256; p. 346.
Hamrock, Frank J., Homestead, Pa. Vehicle-wheel. No. 1,269,810; June 18; v. 251; p. 537.
Hams, Charles E., Burbank, Cal. Child's vehicle. No. 1,279,540; Sept. 24; v. 254; p. 675.
Hamwi, Ernest A., assignor to American Cone Company, St. Louis, Mo. Pastry-cone machine. No. 1,281,159; Oct. 8; v. 255; p. 315.
Hanada, Toichi E., New York, N. Y. Game-card. No. 1,263,664; Apr. 23; v. 249; p. 830.
Hanahan, Marion L., Dothan, Ala. Manufacturing sulfuric acid. No. 1,253,238; Jan. 15; v. 246; p. 584.
Hanas, Peter. (See Kopcinski and Hanas.)
Hanaway, Michael, Anaconda, Mont. Vehicle-cover. No. 1,263,759; Apr. 23; v. 249; p. 854.
Hancock, Albert V., Denver, Colo. Internal-combustion engine. No. 1,271,569; July 9; v. 252; p. 262.
Hancock, Charles T., Galena, Mo. Animal nose-ring. No. 1,276,352; Aug. 20; v. 253; p. 618.
Hancock, Edward D., Johnstown, Pa. Reinforcing member. No. 1,280,454; Oct. 1; v. 255; p. 94.
Hancock, Frank R., and R. F. Hoffman, Kenosha, Wis. Automobile-lock. No. 1,252,567; Jan. 8; v. 246; p. 360.
Hancock, Harry H., Swampscott, assignor of one-half to A. S. Webster, Halifax, Mass. Lining apparatus. No. 1,276,060; Aug. 20; v. 253; p. 537.
Hancock, John. (See Bloemker, Henry W., assignor.)
Hancock, John, Philadelphia, Pa. Wire fabric. No. 1,272,660; July 16; v. 252; p. 596.
Hancock, John, Minneapolis, Minn. Oil-dispensing plant. No. 1,287,004; Dec. 10; v. 257; p. 236.
Hancock, Lee B. (See Jenkins, Charles W., assignor.)
Hancock, Winfield S., assignor of one-half to A. V. Mitchell; said A. V. Mitchell and H. R. Dulany, Jr., trustees of W. S. Hancock, assignors to The A. V. M. Spring Wheel Company, Washington, D. C. Spring-wheel. No. 1,274,877; Aug. 6; v. 253; p. 163.
Hancox, William, Hoboken, N. J. Rope-clamp. No. 1,278,641; Sept. 10; v. 254; p. 379.
Hand, Charles J., Palisades Park, N. J. Folding car-step. No. 1,269,928; June 18; v. 251; p. 568.
Hand, Frank L. (See Marx, Lutes, Sweet, and Hand.)
Hand, Elmer A., Walton, N. Y. Internal-combustion engine. No. 1,280,455; Oct. 1; v. 255; p. 94.
Hand, Jay A. (See Kuhn and Hand.)
Hand, John L. H., assignor to John E. Hand & Sons Co., Philadelphia, Pa. Instrument for taking soundings. No. 1,282,075; Oct. 22; v. 255; p. 633.
Hand, Louis H. B., Harvey, Ill. Combination-tool. No. 1,280,994; Oct. 8; v. 255; p. 268.
Handbury, John D., Goshen, Ind. Vehicle-wheel rim. No. 1,272,429; July 16; v. 252; p. 530.
Handel, Frederick B., Youngstown, Ohio. Sectional bed-spring. No. 1,285,689; Nov. 26; v. 256; p. 684.
Handel, Ruben, Columbus, Ohio. Violin hand-support. No. 1,271,460; July 2; v. 252; p. 196.
Handelman, William A. (See Finaly and Handelman.)
Handke, Max, Berlin, Germany. Device for riveting wire pins to head-plates on both sides. No. 1,262,334; Apr. 9; v. 249; p. 407.
Handlan-Buck Manufacturing Company. (See Rolfes, George H., assignor.)
Handlan, W. C. (See Roe, William C., assignor.)
Handler, William, Jerseyville, Ill. Non-refillable bottle. No. 1,266,121; May 14; v. 250; p. 375.
Handler, William, Newark, N. J. Handle. No. 1,272,948; July 16; v. 252; p. 677.
Handley, George F., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Carriage-controlling means. No. 1,277,719; Sept. 3; v. 254; p. 108.
Hands, Edgar B., Shreveport, La. Thermostatic fuel-valve. No. 1,257,602; Feb. 26; v. 247; p. 840.
Handshaw, John P., Smithtown Branch, N. Y. Device for operating swinging doors. No. 1,284,665; Nov. 12; v. 256; p. 346.
Handy, James O., assignor to Pittsburgh Testing Laboratory, Pittsburgh, Pa. Treating used lubricants. No. 1,281,354; Oct. 15; v. 255; p. 401.
Handy, James O., assignor to Pittsburgh Testing Laboratory, Pittsburgh, Pa. Treating used lubricants. No. 1,281,355; Oct. 15; v. 255; p. 402.
Handy, James O., assignor, by mesne assignments, to Macbeth-Evans Glass Company, Pittsburgh, Pa. Illuminating-glass. No. 1,287,005; Dec. 10; v. 257; p. 236.
Handy, James O., assignor to Pittsburgh Testing Laboratory, Pittsburgh, Pa. Making phenol-formaldehyde condensation products. No. 1,287,299; Dec. 10; v. 257; p. 310.
Handy, James O., and R. M. Isham, assignors, by mesne assignments, to Allen S. Davison Company, Pittsburgh, Pa. Refractory and making same. No. 1,270,818; July 2; v. 252; p. 18.
Handy, James O., and R. M. Isham, assignors, by mesne assignments, to Allen S. Davison Company, Pittsburgh, Pa. Refractory material and making same. No. 1,270,819; July 2; v. 252; p. 18.
Handy Manufacturing Company. (See Bergstrom, Oscar, assignor.)
Handyside, Henry R., Warsaw, N. Y. Animal ankle and leg support. No. 1,256,895; Feb. 19; v. 247; p. 599.
Hanes, Tecumseh S. (See Bable, Edward M., assignor.)
Haney, Adam H., Chillicothe, Ohio. Combined costumer and wardrobe. No. 1,268,346; June 4; v. 251; p. 78.
Haney, H. E. (See Brunelle, Philip, assignor.)
Haney, John, *et al.* (See Gothner, John, assignor.)
Haney, Thomas G., New London, Conn. Cotton-baling apparatus. No. 1,255,160; Feb. 5; v. 247; p. 13.
Haney, Thomas G., New London, Conn. Cotton-bleaching apparatus. No. 1,255,161; Feb. 5; v. 247; p. 14.
Haney, Thomas G., New London, Conn. Drier. No. 1,255,162; Feb. 5; v. 247; p. 14.
Hanford, Orin A., Orange, N. J., assignor to Empire Machine Company. Glass-working machine. No. 1,254,904; Jan. 29; v. 246; p. 1118.
Hanger, Christian F., Cleveland, Ohio. Dumping-truck. No. 1,278,460; Sept. 10; v. 254; p. 330.
Hanger, James E., Jr., Washington, D. C. Garment-supporter. No. 1,254,498; Jan. 22; v. 246; p. 966.
Hanigsman, Tony, Hood River, Oreg. Map-holder. No. 1,283,165; Oct. 29; v. 255; p. 959.
Hankins, Langdon T., Lightfoot, Va. Notice-hanger for post-office boxes. No. 1,259,621; Mar. 19; v. 248; p. 551.
Hanks, Frederick W., Cleveland, Ohio. Water-meter. (Reissue.) No. 14,455; Apr. 2; v. 249; p. 214.
Hanks, John G., deceased; E. P. Brown, administratrix; said Hanks assignor to California Range Finder Company, Oakland, Cal. Registering mechanism for range-finders. No. 1,286,608; Dec. 3; v. 257; p. 103.
Hanks, John G., deceased; E. P. Brown, administratrix, Oakland, Cal. Range-finder. No. 1,286,609; Dec. 3; v. 257; p. 104.
Hanks, Vollie V. (See Bates and Hanks.)
Hanlon, Edward F. (See Wolmer, Hanlon, and Thomson.)
Hanlon & Goodman Co. (See Johnsen, Bjornulf, assignor.)
Hanlon & Goodman Co. (See Wright, Ernest B., assignor.)
Hanlon, John H., Somerville, assignor to Hanlon Locomotive Sander Company, Winchester, Mass. Track-sander. No. 1,265,711; May 7; v. 250; p. 227.
Hanlon, John H., Somerville, and W. J. Hanlon, Fitchburg, assignors to Hanlon Locomotive Sanders Company, Winchester, Mass. Track-sander. No. 1,286,302; Dec. 3; v. 257; p. 29.
Hanlon Locomotive Sander Company. (See Hanlon, John H., assignor.)
Hanlon Locomotive Sanders Company. (See Hanlon, John H. and W. J., assignors.)
Hanlon, William J. (See Hanlon, John H. and W. J.)
Hann, Frank V., Carlstadt, N. J. Paper-clip. No. 1,251,884; Jan. 1; v. 246; p. 133.
Hanna, Henry O., Oakland, Cal. Vertegraph. No. 1,271,461; July 2; v. 252; p. 197.
Hanna, John, assignor to Fisk Rubber Company, Chicopee Falls, Mass. Machine for forming and joining sheets of rubber and the like. No. 1,289,744; Dec. 31; v. 257; p. 992.
Hanna, Leon C., Tampa, Fla., assignor of one-half to J. F. Baldoser, Bushnell, Ill. Explosion-engine. No. 1,272,255; July 9; v. 252; p. 455.
Hanna, Roy S., St. Petersburg, Fla. Steering-wheel control means for electrically-operated signals. No. 1,287,680; Dec. 17; v. 257; p. 434.
Hanna, Walter H., assignor, by mesne assignments, to Baker-Vawter Company, Benton Harbor, Mich. Account-tray. No. 1,272,699; July 16; v. 252; p. 607.
Hannan, George B., Marion, Ind. Tool. No. 1,281,950; Oct. 15; v. 255; p. 559.
Hanneborg, Odilon B. H., Haugrim, in Urskog, Norway. Ditching and tile-laying machine. No. 1,277,573; Sept. 3; v. 254; p. 67.
Hanners, Horace, East Orange, N. J. Manifolding device. No. 1,254,592; Jan. 22; v. 246; p. 994.
Hanni, Rudolph J., Goff, Kans. Luggage-carrier for automobiles. No. 1,261,520; Apr. 2; v. 249; p. 150.
Hanning, Harley H., *et al.* (See Crippen, Henry M., assignor.)
Hanrath, Theodore W., assignor of one-half to J. H. Goldner, Chicago, Ill. Mop-wringer. No. 1,257,224; Feb. 19; v. 247; p. 693.
Hanriot, Adrien A. M., Paris, France. Treatment of ores and solid salts by electrochemical reduction. No. 1,285,690; Nov. 26; v. 256; p. 684.
Hans Renold Limited. (See Baumann, Gottfried, assignor.)
Hansalpakar, Edwin, Randolph, assignor to Brockton Heel Company, Inc., Brockton, Mass. Heel-press. No. 1,262,335; Apr. 9; v. 249; p. 407.

Hanscom, Frank Z., Elmhurst, Ill. Tooth. No. 1,268,968; June 11; v. 251; p. 272.
Hanscom, Frank Z., Elmhurst, Ill. Bicuspid tooth and backing. No. 1,283,505; Nov. 5; v. 256; p. 18.
Hanscom, William W., assignor to National Radio Company, San Francisco, Cal. Multiunit telephone-transmitter. No. 1,264,507; Apr. 30; v. 249; p. 1097.
Hansen, Albert A., Kenmare, N. D. Compressor or terminal for coil-springs. No. 1,271,462; July 2; v. 252; p. 197.
Hansen, Albert B. C. (See Andersen and Hansen.)
Hansen, Arthur A. (See Hansen, Frank and A. A.)
Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Receptacle. No. 1,274,878; Aug. 6; v. 253; p. 154.
Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Fire-extinguisher. No. 1,276,353; Aug. 20; v. 253; p. 618.
Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Tatting-shuttle. No. 1,276,524; Aug. 20; v. 253; p. 666.
Hansen, Augie L., Evanston, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill. Burner-tip for acetylene or other hydrocarbon gases. No. 1,280,214; Oct. 1; v. 255; p. 28.
Hansen, Axel D., Camillus, N. Y. Autographic camera. No. 1,269,432; June 11; v. 251; p. 400.
Hansen, Bertram M., San Francisco, Cal. Centering means for phonographic-records and the like. No. 1,253,374; Jan. 15; v. 246; p. 626.
Hansen, Charles, Chicago, Ill. Clinker-tongs. No. 1,284,323; Nov. 12; v. 256; p. 262.
Hansen, Charles C., Forest Park, assignor to Refrigerator Specialties Company, Chicago, Ill. Refrigerating apparatus. No. 1,259,014; Mar. 12; v. 248; p. 349.
Hansen, Charles R., Cedar Rapids, Iowa. Combined steam and hot-air heating system for buildings. No. 1,270,027; June 18; v. 251; p. 595.
Hansen, Christ C., *et al* (See Finnigan, James H., assignor.)
Hansen, Claude T. V., McMinnville, Oreg. Gun-cleaner. No. 1,256,478; Feb. 12; v. 247; p. 439.
Hansen, Einar, Rjukan, Norway, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Apparatus for effecting a continuous crystallization from solutions. No. 1,273,058; July 16; v. 252; p. 707.
Hansen, Ervin W., *et al.* (See Shahan, John L., assignor.)
Hansen, Frank, Breslau, Nebr. Vehicle-body. No. 1,262,485; Apr. 9; v. 249; p. 450.
Hansen, Frank and A. A., Melrose, Minn. Garden-cultivator. No. 1,288,571; Dec. 24; v. 257; p. 681.
Hansen, Fred E. (See Frazier and Hansen.)
Hansen, Hans N., Westbrook, Minn. Sled attachment and propeller for motor-vehicles. No. 1,273,777; July 23; v. 252; p. 924.
Hansen, Hans, assignor to Eastern Flexible Conduit Company, Brooklyn, N. Y. Flexible electrical conduit. No. 1,285,138; Nov. 19; v. 256; p. 505.
Hansen, Hans, Rock Island, Ill. Wedge parallel. No. 1,285,139; Nov. 19; v. 256; p. 505.
Hansen, Henry, Olympia, Wash. Timber-sizing machine. No. 1,261,384; Apr. 2; v. 249; p. 112.
Hansen, Henry, and J. A. Montgomery, Ukiah, Cal. Differential transmission. No. 1,257,225; Feb. 19; v. 247; p. 693.
Hansen, Herman, assignor to Francis Keil and Son, New York, N. Y. Electric switch. No. 1,268,568; June 4; v. 251; p. 142.
Hansen, Hjalmar J., Erie, Pa., assignor to Burke Electric Company. Self-oiling bearing. No. 1,271,570; July 9; v. 252; p. 262.
Hansen, Johan, Tonopah, Nev. Rail-fastener. No. 1,265,327; May 7; v. 250; p. 124.
Hansen, Johannes A., New York, N. Y. Blue-print-edge protector. No. 1,277,411; Sept. 3; v. 254; p. 22.
Hansen, John S. Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Machine for ironing or treeing boots or shoes. No. 1,268,837; June 11; v. 251; p. 236.
Hansen, Julius F., Evanston, Ill., assignor to The Dollar Saving and Trust Company, Youngstown, Ohio. Tube-bending machine. No. 1,261,229; Apr. 2; v. 249; p. 66.
Hansen, Laura E., Buffalo, N. Y. Erasing device. No. 1,260,377; Mar. 26; v. 248; p. 803.
Hansen, Marius H., Chicago, Ill. Nursery-scale. No. 1,275,911; Aug. 13; v. 253; p. 464.
Hansen, Martin A. (See Groh and Hansen.)
Hansen, Merritt R., and A. C. Houser, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Air-operated clamping device. No. 1,274,036; July 30; v. 252; p. 1035.
Hansen, Niels M., assignor to P. F. Reichert, Toledo, Ohio. Film-holder. No. 1,266,254; May 14; v. 250; p. 412.
Hansen, Oswald H., Port Washington, assignor to United Phonographs Corporation, Sheboygan, Wis. Phonograph-stop. No. 1,285,140; Nov. 19; v. 256; p. 506.
Hansen, Peter C., Spokane, Wash. Thermit-shell. No. 1,277,311; Aug. 27; v. 253; p. 912.
Hansen, Rasmus, Seattle, Wash. Nail-driving machine. No. 1,262,486; Apr. 9; v. 249; p. 450.
Hansen, Svend, assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting and rewinding machine. No. 1,257,853; Feb. 26; v. 247; p. 914.
Hansen, Victor E., Brooklyn, assignor to International Cigar Machinery Company, New York, N. Y. Cigar-wrapping mechanism. No. 1,277,574; Sept. 3; v. 254; p. 67.
Hanser, Charles A., and C. M. Van der Klooster, Rotterdam, Netherlands. Crane with hydraulic weighing device. No. 1,266,587; May 21; v. 250; p. 532.
Hanson, Albert L. (See Hanson, Charles A. and A. L.)
Hanson, Allen G. (See Mellor and Hanson.)
Hanson, Andrew, Clayton, Wis. Quack-grass destroyer. No. 1,261,521; Apr. 2; v. 249; p. 150.
Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Feeding mechanism. No. 1,255,600; Feb. 5; v. 247; p. 141.
Hanson, Carl, Hills, Minn. Garment-supporter. No. 1,255,906; Jan. 29; v. 246; p. 1144.
Hanson, Bengt M. W., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Stop mechanism for lathes. No. 1,282,819; Oct. 29; v. 255; p. 864.
Hanson, Bernard J., Hayward, Wis. Barrel-cover. No. 1,267,542; May 28; v. 250; p. 824.
Hanson, Charles A. and A. L., Munising, Mich. Landmark and elevation cap for setting in concrete. No. 1,272,430; July 16; v. 252; p. 530.
Hanson, Charles G., Wichita, Kans. Hanger. No. 1,281,562; Oct. 15; v. 255; p. 456.
Hanson, Chris M., Portland, Oreg. Holding-clip. No. 1,285,691; Nov. 26; v. 256; p. 684.
Hanson, Ervin J. (See Pearman, Frank M., assignor.)
Hanson, Frank, Dallas, Tex. Camp-cooker. No. 1,266,588; May 21; v. 250; p. 532.
Hanson, George A. (See Wilson, Joseph D., assignor.)
Hanson, George G., Bemidji, Minn. Fence-post and wire-fastener. No. 1,288,572; Dec. 24; v. 257; p. 681.
Hanson, Haakon P., Albert Lea, Minn. Hay-carrier. No. 1,261,522; Apr. 2; v. 249; p. 150.
Hanson, Haakon P., Albert Lee, Minn. Hay-carrier. No. 1,274,541; Aug. 6; v. 253; p. 58.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,311; July 2; v. 252; p. 157.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,278,812; Sept. 10; v. 254; p. 425.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Type-writing and computing machine. No. 1,279,107; Sept. 17; v. 254; p. 534.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,279,687; Sept. 24; v. 254; p. 718.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,279,688; Sept. 24; v. 254; p. 719.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,279,861; Sept. 24; v. 254; p. 769.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,279,862; Sept. 24; v. 254; p. 769.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,279,863; Sept. 24; v. 254; p. 769.
Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,282,820; Oct. 29; v. 255; p. 865.
Hanson, Magnus, Pelican Rapids, Minn. Wagon-spring. No. 1,278,919; Sept. 17; v. 254; p. 485.
Hanson, Martin M., Clearwater, Nebr. Revoluble valve for internal-combustion motors. No. 1,274,100; July 30; v. 252; p. 1053.
Hanson, Oscar J., Seattle, assignor to N. J. Phillips, King county, Wash. Dentist's lamp. No. 1,263,234; Apr. 16; v. 249; p. 691.
Hanson, Oscar W., Salina, Kans. Headlight-dimmer. No. 1,273,778; July 23; v. 252; p. 924.
Hanson, Oscar W., Jr. (See McClellan and Hanson.)
Hanson, Theodore S., and O. Knutson, Northwood, Iowa. Support for cream-separator strainers. No. 1,275,678; Aug. 13; v. 253; p. 399.
Hanson & Van Winkle Company, The. (See King, Willis R., assignor.)

Hansson, Henrik A., Greenfield, Cal. Cleat. No. 1,276,354; Aug. 20; v. 253; p. 619.
Hansson, Herman T., Millbury, Mass. Combination-tool for measuring and laying out machine-work. No. 1,285,692; Nov. 26; v. 256; p. 684.
Hanstein, Henry, Poughkeepsie, N. Y. Knife construction. No. 1,270,727; June 25; v. 251; p. 809.
Hanton, Archibald N., Bedford, Ind. Device for positioning tools, &c., to be dressed. No. 1,256,794; Feb. 19; v. 247; p. 567.
Hanusch, Frederick, Grasstree, Queensland, Australia. Food-cutter. No. 1,251,885; Jan. 1; v. 246; p. 133.
Hanusch, Frederick, Grasstree, Queensland, Australia. Non-refillable bottle. No. 1,258,333; Mar. 5; v. 248; p. 111.
Hanzadian, Paul G., Nashua, N. H. Insect-exterminator. No. 1,259,230; Mar. 12; v. 248; p. 408.
Hanzlik, John E., Madison, Wis. Pay-roll instrument. No. 1,258,894; Mar. 12; v. 248; p. 314.
Hanzlik, John E., Madison, Wis. Certificate of deposit. No. 1,286,303; Dec. 3; v. 257; p. 29.
Hapgood, Clarence H., Toledo, Ohio, assignor, by mesne assignments, to Toledo Scale Company, Newark, N. J. Weighing-scale. No. 1,253,239; Jan. 15; v. 246; p. 585.
Hapgood, Clarence H., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,256,689; Feb. 19; v. 247; p. 537.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Dash-pot. No. 1,280,720; Oct. 8; v. 255; p. 193.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,285,141; Nov. 19; v. 256; p. 506.
Happensack, Edward F., assignor to The O. P. Schriver Company, Cincinnati, Ohio. Caster-shield. No. 1,285,142; Nov. 19; v. 256; p. 506.
Harb, Alfred, assignor to L. Harb, New York, N. Y. Automatic flying-machine. No. 1,275,251; Aug. 13; v. 253; p. 282.
Harb, Alfred, assignor to L. Harb, New York, N. Y. Toy flying-machine. No. 1,281,563; Oct. 15; v. 255; p. 456.
Harb, Louisa. (See Harb, Alfred, assignor.)
Harbach, John S., assignor of forty one-hundredths to A. W. Solomon, Atlantic City, N. J. Tobacco-pipe stem. No. 1,267,766; May 28; v. 250; p. 888.
Harbeck, Jervis R., Chicago, Ill., assignor to American Can Company, New York, N. Y. Making paper-walled vessels. No. 1,281,356; Oct. 15; v. 255; p. 402.
Harbour, William E. L., Eaton, Colo. Hitch for two-way plows. No. 1,266,799; May 21; v. 250; p. 593.
Harbour, William E. L., Eaton, Colo. Hitch for two-way plows. No. 1,281,357; Oct. 15; v. 255; p. 402.
Harbridge, Stuart M. (See Poplawski, Stephen J., assignor.)
Harcus, Charles R., Everett, assignor of one-half to P. E. Sands, Seattle, Wash. Motor truck and car. No. 1,285,143; Nov. 19; v. 256; p. 506.
Hard Manufacturing Company. (See Dyett, James H., assignor.)
Hard, Merrill W., Detroit, Mich., assignor to The Matlick Tellurian Co., Seattle, Wash. Tellurian. No. 1,259,731; Mar. 19; v. 248; p. 582.
Hardart, Frank, Jr., Forest Hills, N. Y., assignor to Horn & Hardart Company. Bar-lock. No. 1,277,412; Sept. 3; v. 254; p. 23.
Harden, Daniel H., Banks, Ala. Hay-press. No. 1,279,541; Sept. 24; v. 254; p. 675.
Harden, Jacob L., North Platte, Nebr. Resilient wheel. No. 1,256,479; Feb. 12; v. 247; p. 439.
Harder, William L., Birmingham, Ala. Noiseless railway-crossing. No. 1,271,312; July 2; v. 252; p. 158.
Hardesty, Rudd, Denver, Colo. Sign-making apparatus. No. 1,251,516; Jan. 1; v. 246; p. 19.
Hardesty, Rudd, assignor to The Flume Improvement Company, Denver, Colo. Sheet-metal flume. No. 1,269,433; June 11; v. 251; p. 400.
Hardie, James G., Canton, N. Y. Sheet-carrying machine. No. 1,266,122; May 14; v. 250; p. 375.
Hardie, James G., Canton, N. Y. Extension-delivery for printing-presses. No. 1,283,506; Nov. 5; v. 256; p. 19.
Hardie, Jo, *et al.* (See Johnson, Ransom E., assignor.)
Hardin, Glenn S., *et al.* (See Hutsell, Thomas A., assignor.)
Hardin, Jacques J., Oak Park, assignor to Monarch Tool & Machinery Company, Chicago, Ill. Fountain-brush. No. 1,253,032; Jan. 8; v. 246; p. 496.
Hardin, Jacques J., Oak Park, assignor to E. F. Smrz, Chicago, Ill. Combustion device. No. 1,271,463; July 2; v. 252; p. 197.
Hardin, Le Roy M., Chicago, Ill. Adjustable can-opener. No. 1,288,877; Dec. 24; v. 257; p. 754.
Harding, Carroll R. (See Isaacs and Harding.)
Harding, Charles K., Chicago, Ill. Maintaining electric spark-plug insulators free from conducting-carbon. No. 1,272,431; July 16; v. 252; p. 530.
Harding, Charles K., Chicago, Ill. Non-carbonizing spark-plug. No. 1,275,020; Aug. 6; v. 253; p. 192.
Harding, Foster W., Santa Ana, Cal. Forming water-tight bulkheads. No. 1,275,912; Aug. 13; v. 253; p. 464.
Harding, Frederic T., St. Paul, Minn. Thermostatic temperature-controlling device for electric ovens. No. 1,283,507; Nov. 5; v. 256; p. 19.
Harding, Henry M., New York, N. Y., assignor to General Electric Company. Telpherage system. No. 1,280,721; Oct. 8; v. 255; p. 194.
Harding, Myrtle M., Indianapolis, Ind. Opener for milk cans and bottles. No. 1,284,666; Nov. 12; v. 256; p. 347.
Harding, Robert J., Lambeth, London, England. Tool-holder for capstan and the like lathes. No. 1,268,969; June 11; v. 251; p. 272.
Harding, Thomas, Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Garment-hanger. No. 1,282,076; Oct. 22; v. 255; p. 633.
Harding, Thomas, Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Cleaner for pipes and the like. No. 1,287,681; Dec. 17; v. 257; p. 434.
Hardinge Brothers. (See Hardinge, Franklin, assignor.)
Hardinge Brothers Company, The. (See Hardinge, Franklin, assignor.)
Hardinge Conical Mill Company. (See Hardinge, Harry W., assignor.)
Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Lathe head-stock. No. 1,252,346; Jan. 1; v. 246; p. 260.
Hardinge, Franklin, assignor to The Hardinge Brothers Company, Chicago, Ill. Watchman's clock. No. 1,267,406; May 28; v. 250; p. 787.
Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Quick-change-swing precision-lathe. No. 1,280,215; Oct. 1; v. 255; p. 28.
Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Apron mechanism for lathes. No. 1,282,821; Oct. 29; v. 255; p. 865.
Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Carriage-feed mechanism for lathes. No. 1,285,693; Nov. 26; v. 256; p. 684.
Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Carriage-feed mechanism for lathes. No. 1,285,694; Nov. 26; v. 256; p. 685.
Hardinge, Harry W., New York, N. Y. Feeder for tube-mills. No. 1,272,801; July 16; v. 252; p. 636.
Hardinge, Harry W., New York, N. Y. Conical mill. No. 1,279,335; Sept. 17; v. 254; p. 596.
Hardinge, Harry W., assignor to Hardinge Conical Mill Company, New York, N. Y. Conical mill. No. 1,288,573; Dec. 24; v. 257; p. 682.
Hardison, Edwin A., Los Angeles, Cal. Casing-tongs. No. 1,258,675; Mar. 12; v. 248; p. 251.
Hardman, Cornelius B., Columbus, Ohio. Baling-press. No. 1,261,931; Apr. 9; v. 249; p. 297.
Hardman, George H., Fall River, Mass., assignor to Hardman Railroad Tie Corporation. Tie. No. 1,275,021; Aug. 6; v. 253; p. 193.
Hardman, George H., Fall River, Mass. Rotary engine. No. 1,280,022; Sept. 24; v. 254; p. 814.
Hardman, Peter, Willimantic, Conn., assignor to American Thread Company, New York, N. Y. Stop mechanism for measuring apparatus. No. 1,276,525; Aug. 20; v. 253; p. 666.
Hardman Railroad Tie Corporation. (See Hardman, George H., assignor.)
Hardy, Charles R., Wilkinsburg, Pa. Lighting-fixture. No. 1,284,324; Nov. 12; v. 256; p. 262.
Hardy, Clara B., and K. E. Gibson, Los Angeles, Cal. Mechanism for manipulating the spinal muscles of the human body. No. 1,276,526; Aug. 20; v. 253; p. 667.
Hardy, Emery E., Bayside, N. Y. Fruit-jar-cover clamp. No. 1,260,769; Mar. 26; v. 248; p. 919.
Hardy, Emery E., Brooklyn, N. Y. Roller-skate. No. 1,276,212; Aug. 20; v. 253; p. 580.
Hardy, Frank H., Andover, Mass. Rotatable cylinder. No. 1,281,777; Oct. 15; v. 255; p. 513.
Hardy, Herman F., Jason, N. C. Bean-harvester. No. 1,271,705; July 9; v. 252; p. 300.
Hardy, Joshua A., Emporia, Kans. Fly-trap. No. 1,260,897; Mar. 26; v. 248; p. 952.
Hardy, Lawrence P., South Bend, Ind. Coupon or ticket holder. No. 1,267,071; May 21; v. 250; p. 668.
Hardy, Leonard G., Salt Lake City, Utah. Harrow. No. 1,281,358; Oct. 15; v. 255; p. 402.
Hardy, Steven, New York, N. Y. Saw-sharpening implement. No. 1,262,945; Apr. 16; v. 249; p. 610.
Hardyman, Frank A., assignor of three-eighths to R. M. H. Heiderich and three-eighths to C. E. Brosi, Quincy, Ill. Adjustable light for projection-lanterns. No. 1,282,224; Oct. 22; v. 255; p. 674.
Hare, Bert A., Bradford, Pa. Oil-well strainer. No. 1,276,213; Aug. 20; v. 253; p. 580.
Hare, Florence L., Fincastle, Ohio. Garment-hanger. No. 1,263,235; Apr. 16; v. 249; p. 691.
Hare, John R., New Windsor, Md. Comb. No. 1,255,601; Feb. 5; v. 247; p. 141.
Harer, Grant, Long Creek, Oreg. Connection between finger-bar heads and sickle-bar heads for harvesters. No. 1,289,745; Dec. 31; v. 257; p. 993.
Hareza, John. (See Czaja and Hareza.)
Harger, John, Honolulu, Hawaii. Running-stitch sewing-machine. No. 1,253,173; Jan. 8; v. 246; p. 537.
Harger, John S., Nyack, N. Y. Tractor attachment for motor-trucks. No. 1,268,116; June 4; v. 251; p. 14.
Hargett, George W., and H. F. Kimball, Hoisington, Kans. Animal-trap. No. 1,277,575; Sept. 3; v. 254; p. 67.

Hargett, Peter L. (See Houff, Jacob M., assignor.)
Hargis, James R., Springfield, Mo. Automatic brooder. No. 1,266,462; May 14; v. 250; p. 466.
Hargis, William R., and H. W. Lindenmuth, Harrisburg, Ill. Alarm apparatus. No. 1,277,917; Sept. 3; v. 254; p. 161.
Hargraves, Albert, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Clamping mechanism for demountable rims. No. 1,258,676; Mar. 12; v. 248; p. 251.
Hargraves, Albert, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-mold. No. 1,289,746; Dec. 31; v. 257; p. 993.
Haring, Kurt, Hersfeld, Hesse-Nassau, assignor to Anhydat-Leder-Werke Aktiengesellschaft, Hersfeld, Germany. Tanning or impregnating hides. No. 1,285,144; Nov. 19; v. 256; p. 507.
Harkins, Charles R., Otia, Mich. Measuring and cutting machine. No. 1,259,231; Mar. 12; v. 248; p. 408.
Harland, Frank, Drake, N. D. Harrow attachment. No. 1,256,225; Feb. 12; v. 247; p. 366.
Harlé, Frédéric A. H., Paris, France. Mechanism for controlling movement. No. 1,268,712; June 4; v. 251; p. 182.
Harley Company. (See Getman, Benjamin L., assignor.)
Harley-Davidson Motor Co. (See Harley, William S., assignor.)
Harley, Dean S., Georgetown, Ontario, Canada. Portable fire-escape. No. 1,264,179; Apr. 30; v. 249; p. 1004.
Harley, Frederick L., Folsom, Pa. Treating old tires to produce new material. No. 1,285,992; Nov. 26; v. 256; p. 760.
Harley, William, Jr., Chicago, Ill. Door guard and lock. No. 1,287,978; Dec. 17; v. 257; p. 509.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Spring motor-cycle fork. No. 1,254,798; Jan. 29; v. 246; p. 1085.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Oil-distributing mechanism. No. 1,254,799; Jan. 29; v. 246; p. 1086.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Side car for motor-cycles. No. 1,262,785; Apr. 16; v. 249; p. 564.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Rear-fork construction. No. 1,262,786; Apr. 16; v. 249; p. 565.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Shock-absorber for handle-bars. No. 1,262,787; Apr. 16; v. 249; p. 565.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Vehicle-frame. No. 1,263,236; Apr. 16; v. 249; p. 692.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Counter-balanced crank-shaft. No. 1,263,407; Apr. 23; v. 249; p. 759.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Fly-wheel. No. 1,264,642; Apr. 30; v. 249; p. 1134.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Front-fork construction. No. 1,264,643; Apr. 30; v. 249; p. 1135.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Motor-cycle frame. No. 1,266,589; May 21; v. 250; p. 533.
Harley, William S., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Spring-frame for motor-cycles and like vehicles. No. 1,266,800; May 21; v. 250; p. 593.
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Cycle-frame. No. 1,287,979; Dec. 17; v. 257; p. 509.
Harling, Gustaf, Stockholm, Sweden. Chuck. No. 1,269,434; June 11; v. 251; p. 400.
Harloe, Morton, assignor to Liberty Tire Company, Winchester, Va. Resilient wheel. No. 1,287,682; Dec. 17; v. 257; p. 435.
Harlow, Clarence B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Relay. No. 1,272,432; July 16; v. 252; p. 530.
Harlow, Harry B. (See Rogers and Harlow.)
Harlow, John B., Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Railway signaling system. No. 1,257,702; Feb. 26; v. 247; p. 869.
Harlow, Kenneth F., and C. E. Mathews, Beloit, Wis. Power-transmission mechanism. No. 1,268,838; June 11; v. 251; p. 236.
Harman, Austin J., Custer, Okla. Tombstone. No. 1,287,683; Dec. 17; v. 257; p. 435.
Harman, William W., Williamsport, Pa. Cut-off valve for sawmill-carriages. No. 1,285,695; Nov. 26; v. 256; p. 685.
Harmon, Charles W., assignor to I. M. Whitney, Jacksonville, Fla. Composition of honey and butter. No. 1,263,237; Apr. 16; v. 249; p. 692.
Harmon, Frank L., Beverly, Mass., assignor to Singer Manufacturing Company, Elizabeth, N. J. Variable-feed mechanism for eyeleting and other machines. No. 1,260,260; Mar. 19; v. 248; p. 734.
Harmon, Frank L., Beverly, Mass., assignor to Singer Manufacturing Company, Elizabeth, N. J. Eyeleting-machine. No. 1,262,336; Apr. 9; v. 249; p. 408.
Harmon, Frank L., Beverly, Mass., assignor to Singer Manufacturing Company, Elizabeth, N. J. Duplex eyeleter. No. 1,262,583; Apr. 9; v. 249; p. 478.
Harmon, Frank L., Beverly, Mass., assignor to Singer Manufacturing Company, Elizabeth, N. J. Eyeleting-machine. No. 1,262,584; Apr. 9; v. 249; p. 479.
Harmon, Frank L., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-button staple. No. 1,262,782; Apr. 16; v. 249; p. 564.
Harmon, Frank L., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Button-attaching and fastener-setting machine. No. 1,282,225; Oct. 22; v. 255; p. 675.
Harmon, Frank L., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Button and fastener feeding mechanism for button-attaching machines. No. 1,282,226; Oct. 22; v. 255; p. 675.
Harmon, John S., assignor to Eastman Kodak Company, Rochester, N. Y. Film-spool. No. 1,270,614; June 25; v. 251; p. 782.
Harmon, Theophilus R., Oakland, Cal. Cultivator. No. 1,279,689; Sept. 24; v. 254; p. 719.
Harmon, William A., Dixie, Ga. Ladder. No. 1,280,456; Oct. 1; v. 255; p. 95.
Harmon, William O., La Pryor, Tex. Fastener for anti-skid-chains. No. 1,271,464; July 2; v. 252; p. 198.
Harmon, William O., La Pryor, Tex. Protecting device for tires. No. 1,275,913; Aug. 13; v. 253; p. 465.
Harmsen, Charles M., Wilton Junction, Iowa. Cultivator attachment. No. 1,289,164; Dec. 31; v. 257; p. 849.
Harnell, Charles H., Union township, Montgomery county, Ind. Sectional burial-vault. No. 1,253,174; Jan. 8; v. 246; p. 537.
Harner, Russell L., Elkhart, Ind. Elevating and topping mechanism for beet-harvesters. No. 1,263,408; Apr. 23; v. 249; p. 759.
Harner, Samuel B., near Xenia, Ohio. Teat-cup. No. 1,256,792; Feb. 19; v. 247; p. 567.
Harner, Samuel B., near Xenia, Ohio. Milking apparatus. No. 1,256,793; Feb. 19; v. 247; p. 567.
Harnly, David H., assignor to The Protecto Manufacturing Company, Chicago, Ill. Weather-strip. No. 1,270,151; June 18; v. 251; p. 628.
Harper, Charles D., Fort Wayne, Ind. Adjustable truck for wardrobe-trunks. No. 1,283,166; Oct. 29; v. 255; p. 960.
Harper, Elbert L., *et al.* (See Nihart, Frank B., assignor.)
Harper, George W., Cleveland, Ohio. Front axle for vehicles. No. 1,288,574; Dec. 24; v. 257; p. 682.
Harper, James, Ozark, Mo. Plow attachment. No. 1,287,006; Dec. 10; v. 257; p. 236.
Harper, John L., Niagara Falls, N. Y. Kiln. No. 1,253,487; Jan. 15; v. 246; p. 659.
Harper, Samuel B., Chicago, Ill. Attachment for type-casting machines. No. 1,264,067; Apr. 23; v. 249; p. 940.
Harper, Sim R., Bryan, Ohio. Flower-pot. No. 1,255,093; Jan. 29; v. 246; p. 1169.
Harper, William D., New York, N. Y. Water-marked or safety paper. No. 1,281,951; Oct. 15; v. 255; p. 560.
Harper, William E., Center City, Tex. Boll-weevil exterminator. No. 1,257,343; Feb. 26; v. 247; p. 764.
Harper, William P. (See Walters and Harper.)
Harper, William P., Abilene, Kans. Cultivator. No. 1,265,776; May 14; v. 250; p. 277.
Harpham, George L., Maupin, Oreg. Collapsible bed-frame. No. 1,259,732; Mar. 19; v. 248; p. 583.
Harpham, Samuel E., Heartwell, Nebr. Incubator. No. 1,276,907; Aug. 27; v. 253; p. 805.
Harpster, Willis M., Florence, Kans. Liquid-fuel heater. No. 1,287,980; Dec. 17; v. 257; p. 509.
Harr, Jesse M., Washington, D. C. Egg-shipping package. No. 1,268,347; June 4; v. 251; p. 79.
Harrah, Hillis A., Pomona, assignor of one-half to L. T. Leimbach, Rosedale, Kans. Tractor. No. 1,255,530; Feb. 5; v. 247; p. 121.
Harrah, Philip J., Bloomfield, Ind. Machine for making tablets. No. 1,288,878; Dec. 24; v. 257; p. 755.
Harrah, William, *et al.* (See Arthur, Roy L., assignor.)
Harrell, Albert S., and O. C. Spence, Camilla, Ga. Hinge. No. 1,278,642; Sept. 10; v. 254; p. 380.
Harrell, Annie L., Ellensburg, Wash. Bolt and lock nut. No. 1,289,165; Dec. 31; v. 257; p. 849.
Harrell, Asa L., Eastman, Ga. Film-holder attachment for cameras. No. 1,260,898; Mar. 26; v. 248; p. 952.
Harrell, John A. (See Bunnell, Morton G., assignor.)
Harrell, Ora C., assignor of one-half to H. J. Molloy, Cincinnati, Ohio. Vehicle-spring. No. 1,284,892; Nov. 12; v. 256; p. 405.
Harriett, William F., assignor to E. Doig, executrix, Brooklyn, N. Y. Box-nailing machine. No. 1,271,571; July 9; v. 252; p. 262.
Harriman, Ernest C., Northampton, Mass. Hemstitching attachment. No. 1,270,728; June 25; v. 251; p. 810.
Harriman, George V., New York, N. Y. Rotary valve. No. 1,280,722; Oct. 8; v. 255; p. 194.
Harriman, Louis H., trustee. (See York, Timothy S., assignor.)

Harriman, Thomas R., Kansas City, Mo. Animal-trap. No. 1,262,946; Apr. 16; v. 249; p. 610.
Harriman, William, Hopedale, Ohio. Tool-holder. No. 1,286,610; Dec. 3; v. 257; p. 104.
Harrington, Alfred. (See Keall, Harrington, and Bassett.)
Harrington, Bert, and A. W. Clarke, Des Moines, Iowa. Lock for motor-vehicle steering-wheels. No. 1,266,015; May 14; v. 250; p. 345.
Harrington, Clinton O., assignor to The Union Switch & Signal Company, Swissvale, Pa. Adjustment of relay contact-fingers. No. 1,254,135; Jan. 22; v. 246; p. 864.
Harrington, Clinton O., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signal. No. 1,278,338; Sept. 10; v. 254; p. 299.
Harrington, Fred H., and S. E. Buck, Moline, Ill. Indicator. No. 1,285,145; Nov. 19; v. 256; p. 507.
Harrington, George H., Seattle, Wash. Device for bending pipes and rods. No. 1,289,747; Dec. 31; v. 257; p. 993.
Harrington, John L., Kansas City, Mo. Lift-bridge. No. 1,285,696; Nov. 26; v. 256; p. 685.
Harrington, John L., E. E. Howard, and L. R. Ash, Kansas City, Mo. Retaining-guide for counterweight-ropes. No. 1,261,124; Apr. 2; v. 249; p. 38.
Harris, Albert, assignor of one-half to S. Caldwell, Denver, Colo. Valve-gear. No. 1,252,692; Jan. 8; v. 246; p. 395.
Harris, Albert J. B., East Rochester, N. Y. All-steel car-door. No. 1,288,575; Dec. 24; v. 257; p. 682.
Harris, Alfred A., San Francisco, Cal. Window-scaffold. No. 1,257,703; Feb. 26; v. 247; p. 870.
Harris, Alfred W., Peoria, Ill. Headlight. No. 1,276,757; Aug. 27; v. 253; p. 767.
Harris, Allan A. (See Harris, Samuel J., and A. A.)
Harris, Allen. (See Crilly, John W., assignor.)
Harris, Archer H., Barberton, Ohio. Hand-switch for automobiles. No. 1,280,457; Oct. 1; v. 255; p. 95.
Harris, Arlo B., Eldora, Iowa. Gate. No. 1,264,788; Apr. 30; v. 249; p. 1172.
Harris, Arthur W., Erdington, England, assignor to B. F. Wyler, New York, N. Y. Mechanism for controlling carbons of arc-lamps. No. 1,271,162; July 2; v. 252; p. 115.
Harris Automatic Press Company, The. (See Anderson, Nels A., assignor.)
Harris Automatic Press Company, The. (See Harrold, Charles W., assignor.)
Harris Automatic Press Company, The. (See Smith, Walter H., assignor.)
Harris Automatic Press Company, The. (See Smith and Wright, assignors.)
Harris, Benjamin, East Akron, Ohio. Tire. No. 1,278,078; Sept. 3; v. 254; p. 203.
Harris, Benjamin, Dayton, Pa. Signal. No. 1,280,023; Sept. 24; v. 254; p. 814.
Harris, Benjamin M., San Francisco, Cal. Street-traffic-controlling apparatus. No. 1,267,767; May 28; v. 250; p. 888.
Harris, Benjamin S. H., assignor to Harris-Brockman Mfg. Co., Greenville, S. C. Hydropneumatic pump. No. 1,259,979; Mar. 19; v. 248; p. 657.
Harris, Billups, Baltimore, Md. Canteen and basin. No. 1,278,461; Sept. 10; v. 254; p. 330.
Harris-Brockman Mfg. Co. (See Harris, Benjamin S. H., assignor.)
Harris Calorific Company, The. (See Harris, John, assignor.)
Harris, Carl C., Orange, Mass. Fulling-mill. No. 1,273,852; July 30; v. 252; p. 984.
Harris, Charles R., assignor of nine-tenths to A. P. Campbell, Los Angeles, Cal. Evaporating apparatus. No. 1,257,854; Feb. 26; v. 247; p. 914.
Harris, Charles R., Los Angeles, Cal. Evaporating apparatus. No. 1,258,562; Mar. 5; v. 248; p. 179.
Harris, Charles R., Los Angeles, Cal. Evaporating apparatus. No. 1,258,563; Mar. 5; v. 248; p. 179.
Harris, Charles R., and R. G. Goldman, Los Angeles, Cal. Rotary motor. No. 1,268,794; June 4; v. 251; p. 206.
Harris, Chester E., *et al.* (See Ludwick, Edward C., assignor.)
Harris, Clinton O., Seattle, Wash. Fishing staff or cane. No. 1,258,632; Mar. 5; v. 248; p. 201.
Harris, David T. (See Tinker and Harris.)
Harris, David T. and J. H. Tinker, Chicago, Ill. Draw-bar-supporting means. No. 1,257,344; Feb. 26; v. 247; p. 764.
Harris, Edward E., Tulsa, Okla. Combined salt and pepper shaker. No. 1,257,345; Feb. 26; v. 247; p. 764.
Harris, Edward E., Tulsa, Okla. Combined salt and pepper holder. No. 1,273,779; July 23; v. 252; p. 924.
Harris, Emyln, *et al.* (See Owen, Moses, assignor.)
Harris, Ford W., assignor to The Bardeen Corporation, Los Angeles, Cal. Process and apparatus for treating drill-pipe. No. 1,253,966; Jan. 15; v. 246; p. 794.
Harris, Ford W., Los Angeles, Cal. Process and apparatus for dehydrating emulsions. No. 1,281,952; Oct. 15; v. 255; p. 560.
Harris, Frederick H., assignor of one-half to I. E. Walton, Gateshead, England. Valve. No. 1,280,216; Oct. 1; v. 255; p. 29.
Harris, George L., Memphis, Tenn. Automobile-signal. No. 1,251,517; Jan. 1; v. 246; p. 20.
Harris, George O., Vermillion, S. D. Valve-lifter. No. 1,258,214; Mar. 5; v. 248; p. 77.
Harris, George W., and V. O. Ritchay, assignors of one-third to said Ritchay, one-third to C. F. Mann, and one-third to G. Brenneisen, Coraopolis, Pa. Furnace. No. 1,260,770; Mar. 26; v. 248; p. 919.
Harris, Gordon D., Bayonne, N. J. Tunnel-drier. No. 1,282,822; Oct. 29; v. 255; p. 865.
Harris, Grover D., Milwaukee, Wis. Centrifugally-governed clutch-pulley. No. 1,284,192; Nov. 5; v. 256; p. 199.
Harris, Harry E., Bridgeport, Conn. Tapping and threading machine. No. 1,253,817; Jan. 15; v. 246; p. 752.
Harris, Henry E., Indianapolis, Ind. Hinge. No. 1,277,067; Aug. 27; v. 253; p. 848.
Harris, Henry K., Westminster, London, England. Tape-transmitting apparatus for transmitting electrical impulses. No. 1,253,818; Jan. 15; v. 246; p. 753.
Harris, Hollis H., assignor to The Thew Automatic Shovel Company, Lorain, Ohio. Steam-shovel mechanism. No. 1,276,527; Aug. 20; v. 253; p. 667.
Harris, Hollis H., assignor to The Thew Automatic Shovel Company, Lorain, Ohio. Excavating mechanism. No. 1,289,166; Dec. 31; v. 257; p. 849.
Harris, Hubert E., assignor of three-fourths to S., G., and D. King, Atlanta, Ga. Means for fastening railway-rails to ties. No. 1,267,543; May 28; v. 250; p. 825.
Harris, Ira S., Dallas, Tex. Interest-computing device. No. 1,287,300; Dec. 10; v. 257; p. 310.
Harris, Isaac F., Bronxville, and F. W. R. Eschmann, assignors to The Arlington Chemical Company, Yonkers, N. Y. Compounding germs with an enveloping protective medium. No. 1,260,899; Mar. 26; v. 248; p. 952.
Harris, James H. (See McDonald and Harris.)
Harris, James T., Newbern, N. C. Refrigerator. No. 1,264,180; Apr. 30; v. 249; p. 1004.
Harris, John, Cleveland, Ohio. Safety appliance for acetylene-generators. No. 1,255,308; Feb. 5; v. 247; p. 55.
Harris, John, Cleveland, Ohio. Combination welding and cutting blowpipe. No. 1,276,214; Aug. 20; v. 253; p. 580.
Harris, John, Cleveland, Ohio. Blowpipe and cutting-torch. No. 1,282,416; Oct. 22; v. 255; p. 727.
Harris, John, Cleveland, Ohio, assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa. Torch. No. 1,258,769; Mar. 12; v. 248; p. 277.
Harris, John, Cleveland, Ohio, assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa. Welding-torch. No. 1,277,068; Aug. 27; v. 253; p. 848.
Harris, John, Cleveland, Ohio, assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa. Valve mechanism for blowpipes and the like burners. No. 1,277,069; Aug. 27; v. 253; p. 849.
Harris, John, Lakewood, Ohio. Combination heater and muffler. No. 1,266,255; May 14; v. 250; p. 412.
Harris, John, Lakewood, Ohio. Heater. No. 1,268,456; June 4; v. 251; p. 111.
Harris, John, Lakewood, Ohio. Gas for cutting purposes. No. 1,275,252; Aug. 13; v. 253; p. 282.
Harris, John, Lakewood, Ohio. Airplane. No. 1,278,462; Sept. 10; v. 254; p. 330.
Harris, John, Lakewood, assignor to The Harris Calorific Company, Cleveland, Ohio. Gas-regulator. No. 1,283,508; Nov. 5; v. 256; p. 19.
Harris, John, Lakewood, Ohio, assignor of one-half to J. R. Rose, Edgeworth, Pa. Blowpipe for welding-machines. No. 1,288,879; Dec. 24; v. 257; p. 755.
Harris, John W., Birmingham, Ala. Machine for relaying rails. No. 1,259,093; Mar. 12; v. 248; p. 371.
Harris, John W., Wesley, Iowa. Manure-loader. No. 1,284,667; Nov. 12; v. 256; p. 347.
Harris, Joseph, West Toronto, Ontario, Canada. Adjustable tool. No. 1,264,922; May 7; v. 250; p. 13.
Harris, Joseph, Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,611; Dec. 3; v. 257; p. 104.
Harris, Joseph D., assignor to McCord Manufacturing Company, Detroit, Mich. Screen for lubricator-pumps. No. 1,271,035; July 2; v. 252; p. 80.
Harris, Joseph D., assignor to McCord Manufacturing Company, Detroit, Mich. Radiator-cap. No. 1,277,918; Sept. 3; v. 254; p. 161.
Harris, Leo, Lancaster, Cal. Folding-bed attachment for automobiles. No. 1,274,539; Aug. 6; v. 253; p. 58.
Harris, Lewis, Benton, Ill. Tire. No. 1,258,564; Mar. 5; v. 248; p. 180.
Harris, Lewis F., Newark, N. J. Pipe-coupling. No. 1,284,099; Nov. 5; v. 256; p. 175.
Harris, Luster F., and W. L. Williams, Cleburne, Tex. Incubator-regulator. No. 1,253,593; Jan. 15; v. 246; p. 688.
Harris, Mark, New York, N. Y. Combination letter-sheet and envelop. No. 1,280,723; Oct. 8; v. 255; p. 194.
Harris, Milton N., London, Ontario, Canada. Tray for chairs. No. 1,285,146; Nov. 19; v. 256; p. 507.
Harris, Orlan A., Long Prairie, Minn. Stool. No. 1,270,729; June 25; v. 251; p. 810.
Harris, Philander A., and N. Mynders, Paterson, N. J.; said Mynders assignor to said Harris. Cleansing compound. No. 1,264,644; Apr. 30; v. 249; p. 1135.
Harris, Rebecca, Newark, N. J. Army and Navy pillow kit. No. 1,269,276; June 11; v. 251; p. 358.

Alphabetical list of patentees—Continued.

Harris, Richard C., Newark, N. J. Control-sheet for pneumatically-operated devices. No. 1,289,465; Dec. 31; v. 257; p. 925.
Harris, Richard G., assignor of one-third to H. J. Witt, one-sixth to F. L. Allen, and one-sixth to G. C. Hutson, Knoxville, Tenn. Bell-piano. No. 1,287,981; Dec. 17; v. 257; p. 510.
Harris, Robert C., Indianapolis, Ind. Automatic contact-making device for an electric circuit. No. 1,283,748; Nov. 5; v. 256; p. 81.
Harris, Robert L., and E. M. Geeslin, Caradan, Tex. Dirigible headlight. No. 1,279,864; Sept. 24; v. 254; p. 770.
Harris, Samuel J., and A. A., Randolph, Mass. Rubber article. No. 1,266,936; May 21; v. 250; p. 630.
Harris, Taylor T., *et al.* (See Parker, Glover O., assignor.)
Harris, Thomas S., Minneapolis, Minn. Pavement. No. 1,280,995; Oct. 8; v. 255; p. 268.
Harris, Varian M., Chicago, Ill. Means for controlling electric current. No. 1,268,348; June 4; v. 251; p. 79.
Harris, William A., Chicago, Ill., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Roofing element. No. 1,285,147; Nov. 19; v. 256; p. 507.
Harrison, Arthur L., Victoria, British Columbia, Canada. Air-compressor. No. 1,257,855; Feb. 26; v. 247; p. 915.
Harrison Balancing Machine Company. (See Harrison, John P., Jr., assignor.)
Harrison, Ben T. (See Crisp and Harrison.)
Harrison, David A., Los Angeles, Cal. Solar heater. No. 1,258,405; Mar. 5; v. 248; p. 132.
Harrison, Elmer, Chicago, Ill. Steam-generator. No. 1,255,602; Feb. 5; v. 247; p. 141.
Harrold, Harmon H., New Philadelphia, assignor, by mesne assignments, to The United Electric Company, Canton, Ohio. Means for air-cooling motors. No. 1,260,282; Mar. 19; v. 248; p. 741.
Harrison, Henry A., Sykeston, N. D. Feed-bag. No. 1,285,148; Nov. 19; v. 256; p. 508.
Harrison, Henry C., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for manufacturing telephone-diaphragms. No. 1,275,022; Aug. 6; v. 253; p. 193.
Harrison, Herbert C., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator for flying-machines. No. 1,283,167; Oct. 29; v. 255; p. 960.
Harrison, Horace R. (See Prisk and Harrison.)
Harrison, James H., Ranger, S. E. Hall, Stephens county, and J. M. Gholson, Ranger, Tex. Boll-weevil exterminator. No. 1,255,414; Feb. 5; v. 247; p. 87.
Harrison, James M. (See Harrison, John F., Jr., assignor.)
Harrison, John F., Jr., Mexico, assignor of one-half to J. M. Harrison, Madison, Mo. Ensilage-compressor. No. 1,264,645; Apr. 30; v. 249; p. 1135.
Harrison, John O., deceased, Boone, Iowa; E. M. Sinclair, administrator. Air-brake-exhaust reducer. No. 1,287,007; Dec. 10; v. 257; p. 236.
Harrison, John P., Jr., assignor to The Harrison Balancing Machine Company, Hamilton, Ohio. Adding-machine. No. 1,285,149; Nov. 19; v. 256; p. 508.
Harrison, John P. S. (See Rockwood, Enrique L., assignor.)
Harrison, John T., Asbury Park, N. J. Non-refillable bottle. No. 1,270,152; June 18; v. 251; p. 628.
Harrison, Joseph. (See Van Dyke and Harrison.)
Harrison, Lawrence S. (See Petry, Frederick, assignor.)
Harrison, Martha R., New York, N. Y. Doll-hand. No. 1,287,008; Dec. 10; v. 257; p. 236.
Harrison Radiator Corporation. (See Harrison Herbert C., assignor.)
Harrison Safety Boiler Works. (See Gamble, Joseph W., assignor.)
Harrison Safety Boiler Works. (See Yoder, Joseph D., assignor.)
Harrison, Walton, New York, N. Y. System of wireless telephony. No. 1,256,554; Feb. 19; v. 247; p. 498.
Harrison, William E., Union City, Ind. Signal apparatus. No. 1,267,407; May 28; v. 250; p. 788.
Harrison, William E., Manchester, England. Combined variable-speed gear and brake mechanism for velocipedes. No. 1,277,070; Aug. 27; v. 253; p. 849.
Harrison, William H., Brooklyn, assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,287,009; Dec. 10; v. 257; p. 237.
Harriss, Walter H., Oakland, Cal. Adjusting means, No. 1,270,615; June 25; v. 251; p. 782.
Harrod, Humphrey D., Frankfort, Ky. Direction-indicator for vehicles. No. 1,277,920; Sept. 3; v. 254; p. 162.
Harrod, Linn B., Little Rock, Ark. Carbureter attachment. No. 1,272,433; July 16; v. 252; p. 531.
Harrold, Charles W., Warren, assignor to The Harris Automatic Press Company, Niles, Ohio. Sheet-feeder. No. 1,275,679; Aug. 13; v. 253; p. 399.
Harrold, Charles W., Warren, Ohio, assignor to The Harris Automatic Press Company, Niles, Ohio. Deliverer for printing-presses. No. 1,281,359; Oct. 15; v. 255; p. 402.
Harrold, George W., Philadelphia, Pa. Mechanical locking device for press-controllers. No. 1,252,487; Apr. 9; v. 249; p. 450.
Harrop, Nathan, Hoylake, England. Means for the protection of carpets and the like. No. 1,277,312; Aug. 27; v. 253; p. 912.
Harrop, William, New Bedford, Mass. Spooler-guide and yarn-tensioner. No. 1,279,336; Sept. 17; v. 254; p. 596.
Harroun Motors Corporation. (See Harroun, Ray, assignor.)
Harroun, Ray, Highland Park, Mich., assignor to Harroun Motors Corporation, Wayne, Mich. Steering-wheel. No. 1,280,724; Oct. 8; v. 255; p. 195.
Harry, Merrill L. (See Woods, Charles H., assignor.)
Harsch, Charles A., assignor, by mesne assignments, to Mount Fire Alarm Corporation, New York, N. Y. Fire-detecting wire. No. 1,278,920; Sept. 17; v. 254; p. 485.
Harsh, Howard, Osakis, Minn. Rail-fastening means. No. 1,263,665; Apr. 23; v. 249; p. 830.
Harsh, Howard, Osakis, Minn. Rail-fastening means. No. 1,265,907; May 14; v. 250; p. 315.
Harsh, Howard, Osakis, Minn. Bundle-loader. No. 1,275,680; Aug. 13; v. 253; p. 399.
Harsh, Robinson H., Chicago, Ill. Latch-operating means. No. 1,279,690; Sept. 24; v. 254; p. 719.
Harsha, Charles L., *et al.*, executors. (See MacPherson, John G.)
Harsel, William B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-making machine. No. 1,279,337; Sept. 17; v. 254; p. 597.
Harsen, Jacob, New York, N. Y. Gate-lock for drawbridges and roadways. No. 1,259,859; Mar. 19; v. 248; p. 621.
Harstad, Thomas O., Windom, Minn. Shield for corn-cultivators. No. 1,268,117; June 4; v. 251; p. 14.
Hart, Arthur, and K. J. Almfelt, Luton, England. Measuring indicator or gage. No. 1,257,483; Feb. 26; v. 247; p. 804.
Hart, Edison W., assignor to The Reliance Manufacturing Company, Masillon, Ohio. Wire coiling and cutting machine. No. 1,288,576; Dec. 24; v. 257; p. 682.
Hart, Edward, Easton, Pa. Apparatus for evaporating liquids. No. 1,254,689; Jan. 29; v. 246; p. 1051.
Hart, Edward, Easton, Pa. Utilizing niter cake. No. 1,258,895; Mar. 12; v. 248; p. 314.
Hart, Fred E., San Francisco, Cal. Porcelain tooth-crown and backing adjustment. No. 1,253,967; Jan. 15; v. 246; p. 794.
Hart, Fred V., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-press. No. 1,281,360; Oct. 15; v. 255; p. 403.
Hart, Fred V., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-press. No. 1,281,361; Oct. 15; v. 255; p. 403.
Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,254,627; Jan. 22; v. 246; p. 1004.
Hart, Frederick A., Jersey City, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,256,308; Feb. 12; v. 247; p. 389.
Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,256,310; Feb. 12; v. 246; p. 390.
Hart, Frederick A., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,411; June, 25; v. 237; p. 724.
Hart, Frederick A., Newark, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,275,681; Aug. 13; v. 253; p. 400.
Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Typewriting machine. No. 1,281,160; Oct. 8; v. 255; p. 315.
Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,281,362; Oct. 15; v. 255; p. 403.
Hart, Frederick A., Newark, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,281,953; Oct. 15; v. 255; p. 560.
Hart, Frederick A., Newark, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,282,572; Oct. 22; v. 255; p. 769.
Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,282,823; Oct. 29; v. 255; p. 866.
Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,285,150; Nov. 19; v. 256; p. 508.

Hart, Frederick A., Newark, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,287,301; Dec. 10; v. 257; p. 310.
Hart, George. (See Myers, Melvin A., assignor.)
Hart, George H., West Hartford, Conn. Switch-containing plug-connector. No. 1,266,801; May 21; v. 250; p. 593.
Hart, Gerald L. (See Hoyle and Hart.)
Hart, Gerald W., West Hartford, Conn. Remote-control electric switch. No. 1,277,576; Sept. 3; v. 254; p. 67.
Hart, Harry H. and W. S., Sacramento, Cal. Napkin-holder. No. 1,274,413; Aug. 6; v. 253; p. 20.
Hart, Harry S., Chicago, Ill. Dump-car construction. No. 1,273,853; July 30; v. 252; p. 984.
Hart, Harry S., Chicago, Ill. Dump-car. No. 1,282,227; Oct. 22; v. 255; p. 676.
Hart, Harry S., Chicago, Ill. Dump-car. No. 1,289,035; Dec. 24; v. 257; p. 792.
Hart & Hegeman Manufacturing Company, The. (See Guett, Monroe, assignor.)
Hart & Hegeman Manufacturing Company, The. (See Stirling, Clarence C., assignor.)
Hart, Henry A., Flushing, assignor to The Gibson Art Company, New York, N. Y. Cut-out rocking toy. No. 1,255,743; Feb. 5; v. 247; p. 183.
Hart, Henry C., Sr., Zephyr, Tex. Brace attachment for seats. No. 1,283,168; Oct. 29; v. 255; p. 960.
Hart, Henry R., New York, N. Y. Helmet for use of aviators and the like. No. 1,251,657; Jan. 1; v. 246; p. 65.
Hart, Herbert H., Orcutt, Cal. Fan-housing cooling extension. No. 1,275,682; Aug. 13; v. 253; p. 400.
Hart, Hiram, St. Louis, Mo. Washing-machine. No. 1,287,302; Dec. 10; v. 257; p. 311.
Hart, Hubert C., *et al.* (See Shepard, Wilbur L., assignor.)
Hart & Hutchinson Company, The. (See Page, Logan E., assignor.)
Hart, Jacob O., Lancaster, Pa. Putty-knife. No. 1,285,697; Nov. 26; v. 256; p. 685.
Hart, James, Johnstown, Pa. Drill-chuck. No. 1,253,240; Jan. 15; v. 246; p. 585.
Hart, John, Brunnerton, Greymouth, New Zealand. Hat-fastener. No. 1,268,569; June 4; v. 251; p. 142.
Hart, John W., Mobile, Ala. Coin-holding device. No. 1,289,748; Dec. 31; v. 257; p. 993.
Hart, Joseph L., Chickasha, Okla. Pneumatic elevator and distributer for cotton-gins. No. 1,265,908; May 14; v. 250; p. 315.
Hart, Julius, Ashland, Oreg. Dirigible headlight. No. 1,277,577; Sept. 3; v. 254; p. 67.
Hart, Orlando W., Fall River, Mass. Roller-bearing. No. 1,258,002; Mar. 5; v. 248; p. 15.
Hart, Orlando W., Fall River, Mass. Roller-bearing. No. 1,262,337; Apr. 9; v. 249; p. 408.
Hart, Orlando W., Fall River, Mass. Roller-bearing. No. 1,262,338; Apr. 9; v. 249; p. 409.
Hart, Orlando W., Fall River, Mass. Roller-bearing. No. 1,270,820; July 2; v. 252; p. 18.
Hart, Orlando W., Fall River, Mass. Antifriction-bearing. No. 1,270,821; July 2; v. 252; p. 18.
Hart, Roy R., and I. N. De Hart, Tulare, Cal. Road-machine. No. 1,264,068; Apr. 23; v. 249; p. 940.
Hart, Samuel J., assignor to J. R. Clancy, Syracuse, N. Y. Hose-clamp. No. 1,284,325; Nov. 12; v. 256; p. 263.
Hart, Thomas M., assignor to P. M. Stewart, trustee, New York, N. Y. Hydrocarbonaceous or bituminous product and making the same. No. 1,252,433; Jan. 8; v. 246; p. 320.
Hart, William H. (See Zindel and Hart.)
Hart, William J., Mount Vernon, N. Y., assignor to Splitdorf Electrical Company, Newark, N. J. Combined engine and dynamo-electric-machine frame. No. 1,272,949; July 16; v. 252; p. 678.
Hart, William R., Seattle, Wash. Riveting-machine. No. 1,284,100; Nov. 5; v. 256; p. 175.
Hart, William S. (See Hart, Harry H. and W. S.)
Hartdorn, Louis G., Brooklyn, N. Y. Alarm. No. 1,265,777; May 14; v. 250; p. 278.
Hartdorn, Louis G., Brooklyn, N. Y. Horn. No. 1,288,880; Dec. 24; v. 257; p. 755.
Hartenheim, Max, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for bridge-type phase-splitters. No. 1,284,326; Nov. 12; v. 256; p. 263.
Hartenstein, Robert F., *et al.*, trustees. (See Schleusselburg, George, assignor.)
Harter, Gustav A., Chicago, Ill. Electric fixture. No. 1,261,024; Apr. 2; v. 249; p. 10.
Harter, Gustav A., Chicago, Ill. Binder. No. 1,261,523; Apr. 2; v. 249; p. 151.
Harter, Isaac, Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,280,996; Oct. 8; v. 255; p. 268.
Harter, Lula S. (See Harter, Noah S., assignor.)
Harter, Martin L., Cleveland, Ohio. Automobile-cot. No. 1,262,663; Apr. 16; v. 249; p. 529.
Harter, Noah S., assignor to L. S. Harter, Waukegan, Ill. Culinary utensil. No. 1,288,881; Dec. 24; v. 257; p. 755.
Hartfiel, Charles A., New Haven, assignor of one-third to F. J. Euerle, Hamden, and one-third to L. Arctander, East Haven, Conn. Auxiliary tread for pneumatic tires. No. 1,285,993; Nov. 26; v. 256; p. 760.
Hartford, Edward V., Deal, N. J. Electrically-operated brake mechanism. No. 1,271,163; July 2; v. 252; p. 115.
Hartford-Fairmont Company. (See Peiler, Karl E., assignor.)
Hartford, Nancy, Marshall, Nebr. Wall-papering machine. No. 1,280,104; Sept. 24; v. 254; p. 835.
Hartford Rubber Works Co., The. (See Fisher, George F., assignor.)
Hartford Rubber Works Company, The. (See Fisher and Price, assignors.)
Hartford Rubber Works Co., The. (See Taft, Ryland L., assignor.)
Hartford Rubber Works Co., The. (See Whittelsey, Charles B., assignor.)
Hartford Special Machinery Company, The. (See Weir, David, assignor.)
Hartford Suspension Company. (See Mastrangel, Louis, assignor.)
Hartkopf, Carl F., assignor of twenty-four one-hundredths to A. M. Norman and twenty-four one-hundredths to P. J. Swan, Marion, Ill. Car-coupling. No. 1,267,217; May 21; v. 250; p. 710.
Hartill-Law, William, assignor to Beamless Car Truck Self-Adjusting Brake Company, Minneapolis, Minn. Side-thrust bearing for railway-car axles. No. 1,254,800; Jan. 29; v. 246; p. 1086.
Hartley, Ralph V. L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Modulating system. No. 1,287,982; Dec. 17; v. 257; p. 510.
Hartline, William A., Penns Grove, N. J. Hat-pin. No. 1,259,733; Mar. 19; v. 248; p. 583.
Hartline, William A., Penns Grove, N. J. Fastening device. No. 1,265,778; May 14; v. 250; p. 278.
Hartline, William A., Penns Grove, N. J. Attachment for pens. No. 1,268,970; June 11; v. 251; p. 272.
Hartman, Albert F., assignor of one-half to F. H. Clay, Kalamazoo, Mich. Cuff-button. No. 1,261,385; Apr. 2; v. 249; p. 112.
Hartman, Alfred E., assignor of two-thirds to J. B. Sipe, Pittsburgh, Pa. Egg-carrier. No. 1,252,568; Jan. 8; v. 246; p. 361.
Hartman, Elles E., New York, N. Y. Costuming apparatus. No. 1,277,720; Sept. 3; v. 254; p. 108.
Hartman, Ferdinand Q., Danville, Pa. Drain-pipe. No. 1,259,232; Mar. 12; v. 248; p. 409.
Hartman, Ferdinand Q., Danville, Pa. Drain-pipe. No. 1,259,233; Mar. 12; v. 248; p. 409.
Hartman, Hans, New York, N. Y. Adjustable safety-razor. No. 1,257,079; Feb. 19; v. 247; p. 652.
Hartman, Hans, New York, N. Y., assignor to Automatic Vending Machine Co., Newark, N. J. Vending-machine. No. 1,275,153; Aug. 6; v. 253; p. 229.
Hartman, Harry B., assignor to Electric Water Sterilizer Company, Scottdale, Pa. Electrical snap-switch for water-purifying apparatus. No. 1,255,531; Feb. 5; v. 247; p. 121.
Hartman, Harry H., Effingham, Kans. Tank-heater. No. 1,287,983; Dec. 17; v. 257; p. 510.
Hartman, John, Bozeman, Mont. Frying-pan. No. 1,260,771; Mar. 26; v. 248; p. 919.
Hartman Manufacturing Company. (See Holt, William L., assignor.)
Hartmann, Richard A., Hartford, Conn. Universal joint. No. 1,288,577; Dec. 24; v. 257; p. 683.
Hartman, Samuel P., Kansas City, Mo. Can holding and opening device. No. 1,252,108; Jan. 1; v. 246; p. 196.
Hartman, Samuel P., Kansas City, Mo. Can-opening device. No. 1,269,277; June 11; v. 251; p. 359.
Hartman, Uno F. S., and A. H. La Casse, Crockett, Cal. Centrifugal machine. No. 1,255,007; Jan. 29; v. 246; p. 1144.
Hartman, William, Mascoutah, Ill. Mine-car stop. No. 1,265,446; May 7; v. 250; p. 158.
Hartman, William D., Fort Worth, Tex. Tag for keys and other articles. No. 1,258,896; Mar. 12; v. 248; p. 314.
Hartman, William T., Lockhart, Fla. Nut-lock. No. 1,264,395; Apr. 30; v. 249; p. 1065.
Hartmann & Braun A. G. (See Schaefer, Béla, assignor.)
Hartmann, Heinrich, assignor to Globus, Gummi- & Asbestwerke G. m. b. H., Ahrensbock, Germany. Printing-cloth for presses. No. 1,255,603; Feb. 5; v. 247; p. 142.
Hartmann, Max. (See Hüssy and Hartmann.)
Hartmann, Max, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Therapeutically-valuable derivatives of para-aminophenol. No. 1,263,238; Apr. 16; v. 249; p. 692.
Hartmann, Thomas W. C., Philadelphia, Pa. Spring. No. 1,274,542; Aug. 6; v. 253; p. 58.
Hartough, Edward W., St. Louis, Mo., assignor to Camel Company, Chicago, Ill. Flush car-door. No. 1,252,004; Jan. 1; v. 246; p. 165.
Hartough, Edward W., Denison, Tex. Grain-car door. No. 1,263,409; Apr. 23; v. 249; p. 760

Hartough, Edward W., Denison, assignor of two-thirds to S. P. Alquist, Sedalia, Tex. Hot-box cooler. No. 1,284,327; Nov. 12; v. 256; p. 263.
Hartough, Edward W., Denison, assignor of two-thirds to S. P. Alquist, Sedalia, Tex. Mechanism for hanging car-doors and the like. No. 1,288,882; Dec. 24; v. 257; p. 756.
Hartshorn, Henry A., assignor to The American Buckle Co., West Haven, Conn. Overalls-suspenders loop. No. 1,266,590; May 21; v. 250; p. 533.
Hartshorne, Edward C., *et al.* (See Evans, Fred, assignor.)
Hartsock, Luther C., Spring Valley, Ohio. Corn-tester. No. 1,287,586; Dec. 10; v. 257; p. 380.
Hartson, Clifford, El Centro, Cal. Internal-combustion engine. No. 1,282,824; Oct. 29; v. 255; p. 866.
Hartsook, William R., Portland, Oreg. Turbine. No. 1,259,094; Mar. 12; v. 248; p. 371.
Hartsough, Ralph B., Minneapolis, Minn. Tractor. No. 1,262,488; Apr. 9; v. 249; p. 451.
Hartsough, Ralph B., Minneapolis, Minn. Tractor. No. 1,267,122; May 21; v. 250; p. 683.
Hartsough, Ralph B., Minneapolis, Minn. Traction-machine. No. 1,285,995; Nov. 26; v. 256; p. 761.
Hartung, Charles F. (See Kay and Hartung.)
Hartung, William R., Connell, Wash. Process for preventing carbon deposit in engine-cylinders. No. 1,277,578; Sept. 3; v. 254; p. 68.
Hartwell, Albert E., assignor to E. N. Tormey, San Francisco, Cal. Vibrator. No. 1,259,396; Mar. 12; v. 248; p. 456.
Hartwick, Jesse A., Chicago, Ill. Hand-hole scraper. No. 1,282,691; Oct. 22; v. 255; p. 801.
Hartwick, Richard, San Francisco, Cal. Moving-picture scenery. No. 1,260,900; Mar. 26; v. 248; p. 953.
Hartwig, Albert, Deerfield, Wis. Tobacco-press. No. 1,257,346; Feb. 26; v. 247; p. 764.
Hartwig, John F., Cortland, N. Y. Fastener. No. 1,256,311; Feb. 12; v. 247; p. 390.
Hartzell, Forest H., Dayton, Ohio, assignor to W. E. Dunston, receiver. Electroplating apparatus. No. 1,276,649; Aug. 20; v. 253; p. 701.
Hartzler, Russell S., Topeka, Ind. Combined bumper and tire-carrier. No. 1,254,404; Jan. 22; v. 246; p. 941.
Harvard Electric Company. (See Richter, Emil R., assignor.)
Harvey, Alexander S., Los Angeles, Cal. Rotary engine. No. 1,261,927; Apr. 9; v. 249; p. 295.
Harvey, Ashton, Greenwich, Conn. Evaporator. No. 1,282,825; Oct. 29; v. 255; p. 866.
Harvey, Cassells P. (See Harvey, Theodore C. and C. P.)
Harvey, Charles, Somerville, Mass. Fuel-oil burner. No. 1,277,066; Aug. 27; v. 253; p. 848.
Harvey, Edward A., assignor of one-half to V. Buerger, Cheboygan, Mich. Life-boat. No. 1,280,217; Oct. 1; v. 255; p. 29.
Harvey, Frank E., White Hall, Ill. Resilient tire. No. 1,259,734; Mar. 19; v. 248; p. 583.
Harvey, Henry H. (See Benner and Harvey.)
Harvey, Henry D., Hillsdale, N. Y. Dirigible headlight connection. No. 1,267,218; May 21; v. 250; p. 710.
Harvey Hubbell, Inc. (See D'Olier, Henry D., Jr., assignor.)
Harvey Hubbell, Inc. (See Knapp, George P., assignor.)
Harvey Hubbell, Inc. (See Newton, William J., assignor.)
Harvey, Ira L., *et al.* (See Paquette, Herman A., assignor.)
Harvey, James D., Evanston, and J. W. Tierney, Chicago, Ill. Humidifier for radiators and the like. No. 1,273,780; July 23; v. 252; p. 925.
Harvey, Leonard J., Seattle, Wash. Safety-brake for automobiles and other vehicles. No. 1,272,337; July 9; v. 252; p. 478.
Harvey, Louis B., San Francisco, Cal. Freight-car. No. 1,282,417; Oct. 22; v. 255; p. 727.
Harvey, Louis B., San Francisco, Cal. Projectile. No. 1,288,883; Dec. 24; v. 257; p. 756.
Harvey, Millard L., assignor of one-fourth to H. Rosenheim, one-fourth to G. M. Cohen, and one-fourth to J. M. Middleton, Savannah, Ga. Switch-lock. No. 1,285,151; Nov. 19; v. 256; p. 509.
Harvey, Peter L., Des Moines, Iowa. Tire-protector. No. 1,285,994; Nov. 26; v. 256; p. 761.
Harvey, Rasmus J. (See Hebbard and Harvey.)
Harvey, Theodore C. and C. P., Philadelphia, Pa.; said C. P. Harvey assignor to said Theodore C. Harvey. Dump-wagon. No. 1,263,760; Apr. 23; v. 249; p. 855.
Harvey Tire and Rubber Company. (See Harvey, William L., assignor.)
Harvey, William L., assignor to Harvey Tire and Rubber Company, Chicago, Ill. Resilient tire. No. 1,265,909; May 14; v. 250; p. 316.
Harvey, Willis W., Malad City, Idaho. Resilient wheel. No. 1,276,061; Aug. 20; v. 253; p. 537.
Harvie, Robert, Toronto, Ontario, Canada. Flag-holder. No. 1,266,681; May 21; v. 250; p. 559.
Harwood, F. L., *et al.* (See McCue, Leo, assignor.)
Harza, Leroy F., Portland, Oreg. Means for increasing the effective head of water produced by a dam during flood stages of water. No. 1,263,059; Apr. 16; v. 249; p. 643.
Hasbrouck, Earl, and C. E. White, Wallkill, N. Y. Fuel-saver and decarbonizer. No. 1,280,997; Oct. 8; v. 255; p. 268.
Hasbrouck, John C., Jr., New York, N. Y. Flight retarder or brake for airships. No. 1,274,037; July 30; v. 252; p. 1036.
Haschek, Josef, Vienna, and K. F. Henoch, Stockerau, near Vienna, Austria. Elevator. No. 1,287,984; Dec. 17; v. 257; p. 510.
Haselau, Otto, Long Island City, N. Y. Cooking utensil. No. 1,277,579; Sept. 3; v. 254; p. 68.
Haselhoff, John H., Highland, Wis. Straw or hay loading apparatus. No. 1,252,901; Jan. 8; v. 246; p. 454.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,258,897; Mar. 12; v. 248; p. 314.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke for draft-rigging. No. 1,286,304; Dec. 3; v. 257; p. 29.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Keyless yoke. No. 1,286,305; Dec. 3; v. 257; p. 30.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Keyless draft-rigging yoke. No. 1,286,306; Dec. 3; v. 257; p. 30.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke and draw-bar connection. No. 1,286,612; Dec. 3; v. 257; p. 104.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,613; Dec. 3; v. 257; p. 105.
Haselwander, Charles J., Williamsport, Pa. Safety attachment for valves. No. 1,266,937; May 21; v. 250; p. 630.
Hasenfratz, Victor E. (See Bonneau, Louis C., assignor.)
Hasenjaeger, Charles W., Memphis, Tenn. Automatic seed-tester. No. 1,268,005; May 28; v. 250; p. 956.
Haserot, Rupert W. (See Keller, Clarence D., assignor.)
Hashiguchi, Yoshio, Seattle, Wash. Combined knife and fork. No. 1,272,661; July 16; v. 252; p. 596.
Haskelite Manufacturing Corporation. (See Basquin, Olin H., assignor.)
Haskelite Manufacturing Corporation. (See Haskell, Henry L., assignor.)
Haskell & Baker Car Co. (See Keithley, Herbert R., assignor.)
Haskell & Barker Car Co. (See Oehm and Keithley, assignors.)
Haskell & Barker Car Co. (See Test, Ellis W., assignor.)
Haskell, Edward H., *et al.* (See Dawes, Robert, assignor.)
Haskell, George S., *et al.* (See Hachmann, Frederick, assignor.)
Haskell, Henry L., Ludington, assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Boat. No. 1,263,410; Apr. 23; v. 249; p. 760.
Haskell, Henry L., Ludington, assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Paddle and oar. No. 1,263,411; Apr. 23; v. 249; p. 760.
Haskell, Lorenzo C., Hesperus, Colo. Magazine shaving-brush. No. 1,258,677; Mar. 12; v. 248; p. 252.
Haskell, Luther D., Essex, Mass. Amusement device. No. 1,282,418; Oct. 22; v. 255; p. 727.
Haskell, Walter N. (See Dixon and Haskell.)
Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Swell-regulating mechanism for organs. No. 1,281,564; Oct. 15; v. 255; p. 456.
Haslam, James, Sioux Falls, S. D. Tatting-shuttle. No. 1,287,010; Dec. 10; v. 257; p. 237.
Haslam, William H., Bolton, England. Book-holder. No. 1,263,761; Apr. 23; v. 249; p. 855.
Haslam, William H., Bolton, England. Book-rest. No. 1,263,762; Apr. 23; v. 249; p. 855.
Hasler A. G. vormals Telegraphen-Werkstatte von G. Hasler. (See Kohler and Stöcklin, assignors.)
Hasler A. G. vormals Telegraphenwerkstätte von G. Hasler. (See Wendler, Georg, assignor.)
Hasler, Harry H., Cresson, Pa. Device for segregating by means of deflecting surfaces. No. 1,270,944; July 2; v. 252; p. 54.
Hasler, James, *et al.* (See Pearson, James H., assignor.)
Haslup, Edward W., Bronxville, assignor to Haslup & Peacock, New York, N. Y. Making calcium cyanamid and by-products from phosphate-rock. No. 1,281,363; Oct. 15; v. 255; p. 404.
Haslup, Edward W., Bronxville, assignor to Haslup & Peacock, New York, N. Y. Extracting combined potassium from flue-dust. No. 1,285,152; Nov. 19; v. 256; p. 509.
Haslup, Edward W., Bronxville, N. Y., and B. A. Peacock, Philadelphia, Pa.; said Peacock assignor to said Haslup. Producing potassium and phosphorus compounds. No. 1,270,515; June 25; v. 251; p. 754.
Haslup, Edward W., Bronxville, N. Y., and B. A. Peacock, Philadelphia, Pa.; said Peacock assignor to said Haslup. Making alum. No. 1,279,100; Sept. 17; v. 254; p. 535.
Haslup, Edward W., Bronxville, N. Y., and B. A. Peacock, Philadelphia, Pa.; said Peacock assignor to said Haslup. Extracting manganese from lean ores. No. 1,279,108; Sept. 17; v. 254; p. 534.

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Haslup, Edward W., Bronxville, assignor to Haslup & Peacock, Inc., New York, N. Y. Producing manganese sulfate. No. 1,279,110; Sept. 17; v. 254; p. 535.
Haslup & Peacock. (See Haslup, Edward W., assignor.)
Haslup and Peacock. (See Peacock, Benjamin A., assignor.)
Haslup & Peacock. (See Peacock, Samuel, assignor.)
Hassam Paving Company. (See Hassam, Walter E., assignor.)
Hassam, Walter E., assignor to Hassam Paving Company, Worcester, Mass. Pavement. No. 1,275,165; Aug. 6; v. 253; p. 237.
Hasselbach, John J., Detroit, Mich. Rack. No. 1,260,537; Mar. 26; v. 248; p. 850.
Hasselgren, Carl P., assignor to Monitor Fly Trap Company, Superior Wis. Fly-trap. No. 1,289,466; Dec. 31; v. 257; p. 925.
Hassler, Robert H., Indianapolis, Ind. Trussed frame for vehicles. No. 1,266,938; May 21; v. 250; p. 631.
Hassler, Robert H., Indianapolis, Ind. Shock-absorber for vehicles. No. 1,286,614; Dec. 3; v. 257; p. 105.
Hasson, James E., Aliceville, Ala. Folding bed. No. 1,283,169; Oct. 29; v. 255; p. 960.
Hastad, Henry B., Brooklyn, N. Y. Mixing device for internal-combustion engines. No. 1,279,338; Sept. 17; v. 254; p. 597.
Hasting, Homer, Detroit, Mich. Cartridge. No. 1,263,763; Apr. 23; v. 249; p. 856.
Hastings, Cornelius G., Glendale, Cal., assignor to Hastings Tunnel System Company. Block and interlocking means therefor. No. 1,254,136; Jan. 22; v. 246; p. 864.
Hastings, Cornelius G., West Hoboken, N. J. Tunnel construction. No. 1,256,312; Feb. 12; v. 247; p. 390.
Hastings, Cornelius G., West Hoboken, N. J. Tunneling-shield. No. 1,256,313; Feb. 12; v. 247; p. 391.
Hastings, Cornelius G., West Hoboken, N. J., assignor to Hastings Tunnel System Company. Tunnel-block and tunnel construction. No. 1,262,041; Apr. 9; v. 249; p. 326.
Hastings, Donald T., assignor to Holley Brothers Company, Detroit, Mich. Air-washer. No. 1,272,434; July 16; v. 252; p. 531.
Hastings Equity Grain Bin Manufacturing Co. (See Christopher, Keith, Allsteadt, Einsel, and Pelander, assignors.)
Hastings, Harold P. (See Bissell and Hastings.)
Hastings, Harold P., and F. C. Smith, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electric plug. No. 1,277,071; Aug. 27; v. 253; p. 850.
Hastings, Harold P., and F. C. Smith, assignors to Crouse-Hinds Company, Syracuse, N. Y. Plug-socket and fuse-box. No. 1,278,339; Sept. 10; v. 254; p. 299.
Hastings, Herbert, Brighton, N. Y. Combined fan and alarm-signal. No. 1,253,488; Jan. 15; v. 246; p. 659.
Hastings, Herbert, Brighton, assignor to Rochester Manufacturing Co., Inc., Rochester, N. Y. Fluid-gage. No. 1,272,436; July 16; v. 252; p. 532.
Hastings, Herbert, Rochester, N. Y., assignor to Art in Buttons, Inc. Machine for locating and embossing buttons. No. 1,272,435; July 16; v. 252; p. 531.
Hastings, Herbert, Rochester, N. Y., assignor to Art in Buttons, Incorporated. Feeding-table for button-blanks. No. 1,282,077; Oct. 22; v. 255; p. 633.
Hastings, Miles, Beloit, Wis. Lawn-mower sharpener. No. 1,263,666; Apr. 23; v. 249; p. 831.
Hastings, Robert B., Riverside, Cal. Steering-wheel lock for motor-vehicles. No. 1,260,283; Mar. 19; v. 248; p. 741.
Hastings Tunnel System Company. (See Hastings, Cornelius G., assignor.)
Hasty, George E., Wichita, Kans. Car truck, track, and steering mechanism. No. 1,266,591; May 21; v. 250; p. 533.
Hasty, John B., San Bernardino, Cal. Drilling-machine. No. 1,253,594; Jan. 15; v. 246; p. 688.
Hasty, Joseph P., Belleville, Kans. Switch-stand. No. 1,258,678; Mar. 12; v. 248; p. 252.
Hasty, Joseph P., Enterprise, Kans. Switch. No. 1,282,078; Oct. 22; v. 255; p. 634.
Hasty, Otis R., Elgin, Ill., and H. A. Atwood, assignors to Milwaukee Chair Company, Milwaukee, Wis. Chair. No. 1,278,643; Sept. 10; v. 254; p. 380.
Haswell, Arthur B., Ensley, Ala. Piston for hydraulic cylinders. No. 1,264,789; Apr. 30; v. 249; p. 1172.
Hatashita, Sezo, Detroit, Mich. Self-propelled vehicle. No. 1,286,615; Dec. 3; v. 257; p. 105.
Hatch, Arthur E. (See Lovejoy, Arthur W., assignor.)
Hatch, Hiram H., Cleveland, Ohio. Ventilating-stop for window-sashes. No. 1,264,181; Apr. 30; v. 249; p. 1004.
Hatch, Jacob D., assignor of one-half to T. Bostock & Sons, Brockton, Mass. Tack-puller. No. 1,257,603; Feb. 26; v. 247; p. 841.
Hatch, William A., Cleveland, Ohio. Picture-mounting. No. 1,268,839; June 11; v. 251; p. 237.
Hatchl, Harold C., Nacogdoches, Tex. Awning-lock. No. 1,257,604; Feb. 26; v. 247; p. 841.
Hatfield, Frank A., and H. Gearing, Los Angeles, Cal., assignors to National Compressed Air Machinery Co. Unloader. No. 1,288,578; Dec. 24; v. 257; p. 683.
Hatfield, John, assignor to Universal Steel Cabinet Company, Inc., Brooklyn, N. Y. Follower-block for filing-cabinets. No. 1,265,081; May 7; v. 250; p. 59.
Hatfield, Paul L., Peoria, Ill. Gear-drive for seeding-machines. No. 1,286,616; Dec. 3; v. 257; p. 105.
Hatfield, Schuyler C., Baltimore, Md. Elastic wheel. No. 1,286,307; Dec. 3; v. 257; p. 30.
Hathaway, Edgar F., and C. Lea, Boston, Mass., assignors to American Warp Drawing Machine Company. Warp-leasing machine. No. 1,289,749; Dec. 31; v. 257; p. 993.
Hathaway, Henry L., Cincinnati, Ohio. Belt-fastener. No. 1,259,735; Mar. 19; v. 248; p. 583.
Hathaway, James R., Superior, Wis. Fastening means for vehicle-bodies. No. 1,259,397; Mar. 12; v. 248; p. 456.
Hathaway, Thomas F., assignor to Illinois Watch Case Company, Elgin, Ill. Cigarette-case. No. 1,256,555; Feb. 19; v. 247; p. 498.
Hathaway, Thomas F., assignor to Illinois Watch Case Co., Elgin, Ill. Case or locket. No. 1,266,256; May 14; v. 250; p. 412.
Hathaway, Thomas F., assignor to Illinois Watch Case Company, Elgin, Ill. Case for cigarettes and the like. No. 1,279,339; Sept. 17; v. 254; p. 597.
Hathorne, Sherman A., Waukegan, assignor to Chicago Hardware Foundry Company, Chicago, Ill. Shop stool and stand. No. 1,262,339; Apr. 9; v. 249; p. 409.
Hatmaker, William T., Dayton, Ohio. Gasolene-dispensing pump. No. 1,287,985; Dec. 17; v. 257; p. 511.
Hattemer, Justus, Cliffside Park, N. J., assignor to Brambach Piano Co., New York, N. Y. Sounding-board mounting for grand pianos. No. 1,276,650; Aug. 20; v. 253; p. 701.
Hatten, Edgar O. (See Soderborg, Edward F., assignor.)
Hatten, John P., Buffalo, N. Y. Nut-lock. No. 1,289,167; Dec. 31; v. 257; p. 850.
Hattendorf, William C., Schaumburg township, Cook county, Ill. Convertible automobile-body. No. 1,269,929; June 18; v. 251; p. 569.
Hatton, Elmer T., Ithaca, N. Y. Nose-ring. No. 1,276,215; Aug. 20; v. 253; p. 580.
Hattori, Takaji, Fellows, Cal. Traction-tire. No. 1,267,219; May 21; v. 250; p. 710.
Hattori, Takeji, Fellows, Cal. Life-saving suit. No. 1,288,457; Dec. 17; v. 257; p. 625.
Haubner, Robert W., Somerville, assignor, by mesne assignments, to Non Skid Company of America, Boston, Mass. Antiskid for wheels. No. 1,267,544; May 28; v. 250; p. 826.
Haubold, Paul C., Naponee, Nebr. Dough-raiser. No. 1,276,651; Aug. 20; v. 253; p. 701.
Hauer, Julius M., Brooklyn, N. Y. Cut-out box. No. 1,283,749; Nov. 5; v. 256; p. 81.
Haug, Andrew, New York, N. Y. Talking-machine. No. 1,281,565; Oct. 15; v. 255; p. 456.
Haug, Anton J., assignor to Improved Paper Machinery Company, Nashua, N. H. Separator and conveyer for paper-pulp machinery and other purposes. No. 1,266,257; May 14; v. 250; p. 412.
Haug, Anton J., assignor to Improved Paper Machinery Company, Nashua, N. H. Paper-machine. No. 1,284,668; Nov. 12; v. 256; p. 347.
Haug, Anton J., assignor to Improved Paper Machinery Company, Nashua, N. H. Paper-screen. No. 1,284,669; Nov. 12; v. 256; p. 348.
Hauge, Oscar, and W. A. England, San Francisco, Cal. Apparatus for making pastry-shells. No. 1,256,226; Feb. 12; v. 247; p. 366.
Haugen, Edmund E. (See Burgett, Clark, assignor.)
Haugh, Frank A., Eldorado, assignor to C. L. Bloom, Independence, Kans. Underreamer. No. 1,257,226; Feb. 19; v. 247; p. 694.
Haught, Thomas E., Wilsonburg, W. Va. Starting device for automobiles. No. 1,281,954; Oct. 15; v. 255; p. 560.
Haughton, George W., assignor of two-fifths to J. T. Riday, Philadelphia, Pa. Spring-oiling device. No. 1,268,570; June 4; v. 251; p. 142.
Haughy, James C., San Francisco, Cal. Spring-wheel. No. 1,283,407; Oct. 29; v. 255; p. 1023.
Hauman, Frank J., Bay Shore, N. Y. Muffler. No. 1,289,750; Dec. 31; v. 257; p. 994.
Haun, Andrew J., Branscomb, Cal. Garment-supporter. No. 1,257,856; Feb. 26; v. 247; p. 915.
Haupt, Mathias, Spokane, Wash. Vehicle-leveler. No. 1,257,704; Feb. 26; v. 247; p. 870.
Haupt, William W., assignor to C. Krutckoff, Chicago, Ill. Life-preserver. No. 1,278,144; Sept. 10; v. 254; p. 246.
Hausberg, Ernest. (See Rawls, Paul C., assignor.)
Hauser, Charles E., assignor to Reding & Hauser, Chicago, Ill. Binder. No. 1,254,224; Jan. 22; v. 246; p. 889.
Hauser, Fred, assignor to L. Candrian, San Francisco, Cal. Window. No. 1,282,826; Oct. 29; v. 255; p. 866.
Hauser, Grover C., and J. H. Dolan, Rochester, N. Y. Footwear. No. 1,261,524; Apr. 2; v. 249; p. 151.
Hauser, John A., assignor of one-half to J. G. Berger, Dayton, Ohio. Stretcher-spring. No. 1,253,595; Jan. 15; v. 246; p. 689.
Hauser, Leopold, New York, N. Y. Bag. No. 1,283,170; Oct. 29; v. 255; p. 961.

Hausinger, George H., Galveston, Tex. Shape-retaining device for felt hats. No. 1,275,023; Aug. 6; v. 253; p. 193.
Hausman, Clement F., Ochelata, Okla. Protecting-shield for contact devices. No. 1,253,968; Jan. 15; v. 246; p. 794.
Hausmann, Bernard, New York, N. Y. Window. No. 1,272,039; July 9; v. 252; p. 394.
Hausotter, Edward. (See Hayden and Hausotter.)
Haussinger, Lawrence, Alhambra, Cal. Combined baby-chair and common chair. No. 1,253,241; Jan. 15; v. 246; p. 585.
Haussler, Otto, Garfield, N. J. Ship construction. No. 1,259,860; Mar. 19; v. 248; p. 621.
Haussler, Otto, Garfield, N. J. Gun-sight. No. 1,283,171; Oct. 29; v. 255; p. 961.
Hauter, William B., assignor to A. F. Meyer Mfg. Co., Morton, Ill. Grain-dump. No. 1,273,854; July 30; v. 252; p. 984.
Havemeyer, John F., Ardsley-on-Hudson, N. Y. Reinforcing-bar for concrete. No. 1,280,725; Oct. 8; v. 255; p. 195.
Havener, Arthur R., Wayland, Mass., assignor to Judson L. Thomson Mfg. Co. Clutch mechanism. No. 1,274,879; Aug. 6; v. 253; p. 154.
Havener, Arthur R., Wayland, Mass., assignor to Judson L. Thomson M'f'g Co. Rivet and cap setting machine. No. 1,276,652; Aug. 20; v. 253; p. 702.
Havener, Arthur R., Wayland, Mass., assignor to Judson L. Thompson M'f'g Co. Hopper. No. 1,277,721; Sept. 3; v. 254; p. 108.
Havener, Arthur R., Wayland, Mass., assignor to American Lacing Hook Co. Lacing-hook-setting machine. No. 1,287,684; Dec. 17; v. 257; p. 435.
Havens, Raymond M., Kansas City, Mo. Roof-slab for building construction. No. 1,261,125; Apr. 2; v. 249; p. 38.
Havens, Raymond M., Kansas City, Mo. Building-block. No. 1,265,447; May 7; v. 250; p. 158.
Havens, Raymond M., Kansas City, Mo. Building construction. No. 1,280,726; Oct. 8; v. 255; p. 195.
Havens, Joseph D., Kansas City, Mo. Addressing attachment for printing-machines. No. 1,282,228; Oct. 22; v. 255; p. 676.
Havel, Frank A., Blanchard, Okla. Jack. No. 1,280,998; Oct. 8; v. 255; p. 269.
Haverlock, Andrew, San Francisco, Cal. Check-protector. No. 1,285,154; Nov. 19; v. 256; p. 509.
Haviland, Edward C., Chappaqua, assignor to Van Kannel Revolving Door Company, New York, N. Y. Electrically-operated revolving door. No. 1,278,145; Sept. 10; v. 254; p. 246.
Havone Corporation. (See Frederick, Ethelbert R., assignor.)
Havone Corporation. (See Lotka, John, assignor.)
Havran, John, Portland, Oreg. Curtain-shade circuit-closer. No. 1,259,736; Mar. 19; v. 248; p. 583.
Hawes, Charles, G. A. Mathys, and S. N. Crawhall, London, England: said Mathys and said Crawhall assignors to said Hawes. Machine for cutting vegetables. No. 1,281,964; Oct. 15; v. 255; p. 563.
Hawes, Henry W., Lynn, Mass. Electromechanical traffic-signal. No. 1,265,197; May 7; v. 250; p. 91.
Hawk, John, Binghamton, N. Y. Clamp. No. 1,262,489; Apr. 9; v. 249; p. 451.
Hawken, Frank S., St. Louis, Mo. Filter-funnel. No. 1,257,956; Feb. 26; v. 247; p. 942.
Hawkes, John A. (See Cameron and Hawkes.)
Hawkes, William H., Central Nyack, N. Y. Sad-iron holder. No. 1,266,016; May 14; v. 250; p. 345.
Hawkins, Aaron, Rosebud Creek, Alberta, Canada. Automatic gate. No. 1,289,751; Dec. 31; v. 257; p. 994.
Hawkins, Charles H., Freeport, assignor to Standard Oil Company of New York, New York, N. Y. Candle-making machine. No. 1,271,512; July 2; v. 252; p. 211.
Hawkins, David S., Cleveland, Ohio. Internal-combustion engine. No. 1,258,565; Mar. 5; v. 248; p. 180.
Hawkins, Edgar M., assignor to M. D. Knowlton Company, Rochester, N. Y. Feeding mechanism for web material. No. 1,286,308; Dec. 3; v. 257; p. 30.
Hawkins, Edgar M., and O. M. Hoch, assignors to M. D. Knowlton Company, Rochester, N. Y. Pressure adjustment for box-staying machines and the like. No. 1,272,802; July 16; v. 252; p. 636.
Hawkins, Elwood, Cape May, N. J. Amusement device. No. 1,255,008; Jan. 29; v. 246; p. 1145.
Hawkins, Frank, *et al.* (See Hifner, Ernest J., assignor.)
Hawkins, Frank W., assignor of one-half to G. W. Fechter, Butler, Pa. Automatic signal for railways. No. 1,289,468; Dec. 31; v. 257; p. 926.
Hawkins, Harry E. F., Vineland, N. J. Auxiliary air device for internal-combustion engines. No. 1,272,950; July 16; v. 252; p. 678.
Hawkins, John K., Morristown, Tenn. Butter-merger. No. 1,280,458; Oct. 1; v. 255; p. 95.
Hawkins, Karl G. R., assignor, by mesne assignments, to D. S. Gardner, Chicago, Ill. Folding and plaiting machine. No. 1,287,986; Dec. 17; v. 257; p. 511.
Hawkins, Lloyd R., *et al.* (See Lindberg, Charles A., assignor.)
Hawkins, May, Tar Kiln, Ark. Colt-weaner. No. 1,251,886; Jan. 1; v. 246; p. 133.
Hawkins, Robert H., Crocker, Mo. Manure-distributer. No. 1,275,683; Aug. 13; v. 253; p. 400.
Hawkins, Theodore L., Carson City, Nev. Garment-supporter. No. 1,277,722; Sept. 3; v. 254; p. 109.
Hawkins, Walter A., Kankakee, Ill. Convertible drilling-machine and gear-jack. No. 1,282,079; Oct. 22; v. 255; p. 634.
Hawkins, William G., and J. F. Donnellan, Chicago, Ill. Armored pneumatic tire. No. 1,257,857; Feb. 27; v. 247; p. 915.
Hawkins, William T., Rockaway, N. J. Dispensing-pump. No. 1,289,752; Dec. 31; v. 257; p. 994.
Hawkins, William W., Brooklyn, assignor of one-half to E. W. McCarty, New York, N. Y. Door-check. No. 1,282,419; Oct. 22; v. 255; p. 727.
Hawks, George R., Lodi, Wis. Traffic-signal. No. 1,273,607; July 23; v. 252; p. 880.
Hawks, Henry S., Kansas City, Mo. Airless tire. No. 1,281,364; Oct. 15; v. 255; p. 404.
Hawks, Moses L., New York, N. Y. Man's garter. No. 1,257,858; Feb. 26; v. 247; p. 916.
Hawksworth, David W., Detroit, Mich., and F. M. Whyte, Tarrytown, N. Y., assignors to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,255,309; Feb. 5; v. 247; p. 55.
Hawksworth, David W., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,264,069; Apr. 23; v. 249; p. 940.
Hawkyard, Alban T. (See Flaiz and Hawkyard.)
Hawley, Charles G. (See Baker, Erie K., assignor.)
Hawley, Eugene W., Philadelphia, Pa. Wardrobe-trunk. No. 1,258,566; Mar. 5; v. 248; p. 180.
Hawley, Eugene W., Philadelphia, Pa. Trunk-lock. No. 1,266,939; May 21; v. 250; p. 631.
Hawley, Eugene L., San Francisco, Cal. Inclination-indicator. No. 1,288,579; Dec. 24; v. 257; p. 683.
Hawley, John D., Minneapolis, assignor to L. S. Hackney, St. Paul, Minn. Steam-condensing system. No. 1,282,080; Oct. 22; v. 255; p. 634.
Hawley, John L. (See Temple, Nathan B., assignor.)
Hawley, Joseph C., Duncannon, and W. S. Jackson, Bala, Pa. Device for applying centers to shirts. No. 1,259,980; Mar. 19; v. 248; p. 657.
Hawley, Joseph C., Blacksburg, Va. Suit of armor. No. 1,269,930; June 18; v. 251; p. 569.
Hawley, Joseph C., Duncannon, Pa. Tool and method used in making shells. No. 1,286,309; Dec. 3; v. 257; p. 31.
Hawley, Joseph C., Duncannon, Pa. Folder and liner for shirt-centers. No. 1,287,011; Dec. 10; v. 257; p. 237.
Hawley, Joseph N. (See Holmes and Hawley.)
Hawley, Willard P., Portland, Oreg. Dispensing-box. No. 1,258,003; Mar. 5; v. 248; p. 16.
Hawn, Andrew P., assignor to The H. & D. Company, Goodland, Ind. Shock-absorber. No. 1,264,923; May 7; v. 250; p. 14.
Hawn, Andrew P., assignor to Advance-Rumely Company, Laporte, Ind. Gang-plow. No. 1,289,462; Dec. 31; v. 257; p. 924.
Hawn, Edd L. (See Breed and Hawn.)
Haworth, Henry G. (See Layton and Haworth.)
Haworth, Jehu F., Edgeworth, Pa. Camera. No. 1,277,919; Sept. 3; v. 254; p. 162.
Haworth, Jehu F., Edgeworth, Pa. Camera. No. 1,283,172; Oct. 29; v. 255; p. 961.
Haworth, Jehu F., Edgeworth, Pa. Film-support for cameras. No. 1,283,408; Oct. 29; v. 255; p. 1023.
Hawrylasz, Nykyfor, Tarentum, Pa. Aeroplane-protector. No. 1,270,945; July 2; v. 252; p. 54.
Haws, William H., Johnstown, Pa. Brick-molding machine. No. 1,284,670; Nov. 12; v. 256; p. 348.
Hawthorne, Charles W., Hamilton, Ontario, Canada, assignor to Morgan Construction Company, Worcester, Mass. Apparatus for rolling bars. No. 1,287,987; Dec. 17; v. 257; p. 511.
Hawthorne, Ellsworth A., Bridgeport, Conn. Window or lens retainer for lamps and the like. No. 1,255,877; Feb. 12; v. 247; p. 261.
Hawthorne, Ellsworth A., Bridgeport, Conn. Lighting apparatus. No. 1,258,898; Mar. 12; v. 248; p. 314.
Hawthorne, Ellsworth A., Bridgeport, Conn. Electrical connection. No. 1,276,216; Aug. 20; v. 253; p. 580.
Hawthorne, Louis A., Essex county, N. J., assignor to Steel Utilities, Incorporated. Label-dating machine. No. 1,280,218; Oct. 1; v. 255; p. 29.
Hawthorne Manufacturing Company. (See George, John H., assignor.)
Hawthorne Manufacturing Company. (See Roffy, Joseph T., assignor.)
Hay, John, San Jose, Cal. Flexible tractor-track and operative wheel therefor. No. 1,282,827; Oct. 29; v. 255; p. 867.
Hay, Levi C., Jersey City, and W. S. Marder, Plainfield, assignors to American Type Founders Company, Jersey City, N. J. Steel spacing furniture for printers. No. 1,283,750; Nov. 5; v. 256; p. 82.
Hay, Paul R., Pittsburgh, Pa. Display device. No. 1,283,751; Nov. 5; v. 256; p. 82.
Hay, William, assignor of one-half to N. Brown, Arlington, Wash. Car-seal. No. 1,256,896; Feb. 19; v. 247; p. 599.

Hayashi, Takakazu, and U. Emura, Tokyo, Japan, assignors of fifty one-hundredths to Kwanto Lanso Kabushiki Kaisha, Ltd., Tokyo, Japan. Process of treating phosphoric acid to be used as a clarifier. No. 1,269,080; June 11; v. 251; p. 304.
Hayde, Stephen J., Kansas City, Mo. Making brick and similar articles. No. 1,255,878; Feb. 12; v. 247; p. 261.
Hayden, Arthur C., assignor to Hayden & Clemons, Inc., Brockton, Mass. Mat. No. 1,285,155; Nov. 19; v. 256; p. 509.
Hayden, Arthur C., assignor to Hayden & Clemons, Inc., Brockton, Mass. Mat. No. 1,288,409; Dec. 17; v. 257; p. 613.
Hayden, Claude D., Curtis, Nebr. Can-opener. No. 1,271,465; July 2; v. 252; p. 198.
Hayden & Clemons. (See Hayden, Arthur C., assignor.)
Hayden, Edwin J., and E. Hausotter, Minneapolis, Minn. Buckle. No. 1,278,340; Sept. 10; v. 254; p. 300.
Hayden, Ellis L., Warren, Ohio. Hot-air register. No. 1,271,313; July 2; v. 252; p. 158.
Hayden, Lewis M., and J. J. Murphy, Baltimore, Md. Combined liner, display-card, and easel for boxes. No. 1,282,573; Oct. 22; v. 255; p. 769.
Haydenville Company, The. (See Hills, Reuben B., assignor.)
Haydenville Company, The. (See Page, George M., assignor.)
Haydon, Sue S., Harrodsburg, Ky. Folding washstand. No. 1,270,730; June 25; v. 251; p. 810.
Haydon, Sue S., Harrodsburg, Ky. Ventilating-door. No. 1,289,753; Dec. 31; v. 257; p. 994.
Hayes, Benjamin P., Kansas City, Mo. Spring-winding machine. No. 1,267,867; May 28; v. 250; p. 918.
Hayes, Benjamin P., assignor, by mesne assignments, to Automatic Bookkeeping Register Company, Kansas City, Mo. Selecting-bar for adding or like machines. No. 1,271,466; July 2; v. 252; p. 198.
Hayes, Benjamin P., and F. D. Laughlin, assignors to Automatic Bookkeeping Register Company, Kansas City, Mo. Adding-machine. No. 1,285,156; Nov. 19; v. 256; p. 510.
Hayes-Diefenderfer Co. *et al.* (See Hayes, Edward, assignor.)
Hayes, Edward, Brooklyn, assignor of two-thirds to Hayes-Diefenderfer Co., Inc., New York, N. Y., and one-third to George B. Bishop, New Haven, Conn. Vehicle-wheel. No. 1,289,754; Dec. 31; v. 257; p. 995.
Hayes, Frank, and C. Rupp, assignors to California Walnut Growers Association, Los Angeles, Cal. Nut-cracker. No. 1,272,803; July 16; v. 252; p. 637.
Hayes, Fred L., Montello, Mass. Blucher shoe. No. 1,263,318; Apr. 16; v. 249; p. 713.
Hayes, George H., Hazelton, Kans. Vehicle-wheel. No. 1,258,216; Mar. 5; v. 248; p. 77.
Hayes, George H., Hazelton, Kans. Manifold for explosive-engines. No. 1,265,779; May 14; v. 250; p. 278.
Hayes, George H., Hazelton, Kans. Fuel-heater. No. 1,271,572; July 9; v. 252; p. 262.
Hayes, George H., Minneapolis, Minn. Spring-shackle. No. 1,277,580; Sept. 3; v. 254; p. 68.
Hayes, Harvey C., and G. W. Lewis, Swarthmore, assignors to The Tinius Olsen Testing Machine Company, Philadelphia, Pa. Extensometer. No. 1,279,340; Sept. 17; v. 254; p. 598.
Hayes, Hattie R., Salix, Iowa. Device for preventing hens from setting. No. 1,274,266; July 30; v. 252; p. 1101.
Hayes, Hedley V. (See Mason and Hayes.)
Hayes, James. (See Beale and Hayes.)
Hayes, James F., Chicago, Ill. Mail-box. No. 1,287,012; Dec. 10; v. 257; p. 237.
Hayes, John L., Carnegie, Pa. Game-board. No. 1,279,691; Sept. 24; v. 254; p. 719.
Hayes, John O., assignor of one-third to R. F. Milne and one-third to C. A. Wightman, Evanston, Ill. Tension device for weaving-machines. No. 1,288,580; Dec. 24; vol. 257; p. 684.
Hayes Manufacturing Company. (See Kimball, John T., assignor.)
Hayes Manufacturing Company. (See Rehbein, Conrad, assignor.)
Hayes, Neenian. (See Burks and Hayes.)
Hayes Pump & Planter Company. (See Hayes, Ralph W. E., assignor.)
Hayes, Ralph W. E., assignor of one-half to Hayes Pump & Planter Company, Galva, Ill. Marker for corn-planters. No. 1,255,532; Feb. 5; v. 247; p. 121.
Hayes, Stephen Q., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,278,921; Sept. 17; v. 254; p. 486.
Hayes, Thomas J. Roslindale, assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitching-machine for felling. No. 1,255,415; Feb. 5; v. 247; p. 87.
Hayes, Thomas J., Roslindale, assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitching-machine for felling. No. 1,260,193; Mar. 19; v. 248; p. 715.
Hayes, Thomas J., Roslindale, assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,276,217; Aug. 20; v. 253; p. 581.
Hayes, Thomas J., Roslindale, assignor to The Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,283,509; Nov. 5; v. 256; p. 19.
Hayes, Thomas J., Roslindale, assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,287,685; Dec. 17; v. 257; p. 435.
Hayes, Thomas J., Roslindale, and H. C. Moulton, Dorchester, assignors to Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,273,855; July 30; v. 252; p. 984.
Hayes Wheel Company. (See Kistler and Butcher, assignors.)
Hayes Wheel Company. (See Scherer, George, assignor.)
Hayford, Howard L., Whitman, Mass. Collapsible life-raft. No. 1,263,764; Apr. 23; v. 249; p. 856.
Hayford, Howard L., Whitman, Mass. Collapsible life-boat. No. 1,265,195; May 7; v. 250; p. 90.
Hayhurst, Clark R., Texas City, Tex. Direction-signal. No. 1,276,908; Aug. 27; v. 253; p. 805.
Hayhurst, Colbert G., Richville, Minn. Detachable wearing-plate for shoes. No. 1,260,901; Mar. 26; v. 248; p. 953.
Hayman, Isaac, Los Angeles, Cal. Spring-hub. No. 1,280,219; Oct. 1; v. 255; p. 29.
Hayman, Isaac, Los Angeles, Cal. Cushion-wheel. No. 1,280,220; Oct. 1; v. 255; p. 30.
Hayman, William C., Schenectady, N. Y., assignor to General Electric Company. Electric conductor. No. 1,267,868; May 28; v. 250; p. 919.
Haymond, Clinton C., Los Angeles, assignor to W. A. Rowe, San Francisco, and G. J. Woodward, Los Angeles, Cal. Reversible change-speed mechanism. No. 1,265,196; May 7; v. 250; p. 90.
Haynes, Avison F. and R., Dufur, Oreg. Carbureter-homogenizer. No. 1,261,230; Apr. 2; v. 249; p. 67.
Haynes, Charles M., Chillicothe, Ohio. Means for adjusting lens-mount straps. No. 1,263,412; Apr. 23; v. 249; p. 761.
Haynes, Charles M., Newark, N. J. Wheel and making the same. No. 1,269,179; June 11; v. 251; p. 330.
Haynes, Charles V., Philadelphia, Pa. Valve. No. 1,277,413; Sept. 3; v. 254; p. 23.
Haynes, Charles V., Philadelphia, Pa. Valve. No. 1,283,752; Nov. 5; v. 256; p. 82.
Haynes, Elbert J., Detroit, Mich. Automatic water-depth indicator. No. 1,289,755; Dec. 31; v. 257; p. 995.
Haynes, Frederick, Kansas City, and V. F. Garvin, Mount Washington, assignors of one-fourth to E. T. Tobin and one-fourth to J. Cull, Kansas City, Mo. Theft-alarm system for automobiles. No. 1,284,328; Nov. 12; v. 256; p. 263.
Haynes, Harold L., Chicago, Ill., assignor to Haynes Mfg. Works. Time-switch. No. 1,285,157; Nov. 19; v. 256; p. 510.
Haynes, Howard H., Bridgeport, and T. A. Both, Stratford, Conn., assignors to The Connecticut Electric Manufacturing Company. Ground-clamp. No. 1,268,457; June 4; v. 251; p. 111.
Haynes, James J., assignor of one-half to E. H. Knight, Chestnut Mound, Tenn. Flat-iron rest. No. 1,285,158; Nov. 19; v. 256; p. 511.
Haynes - Langenberg Manufacturing Company. (See Haynes, William J., assignor.)
Haynes, Louis W., Grand Rapids, Mich. Automobile-headlight. No. 1,275,421; Aug. 13; v. 253; p. 328.
Haynes Mfg. Works. (See Haynes, Harold L., assignor.)
Haynes, Ogden V., Jr., and J. W. Glasford, Kingston Mines, Ill. Nut-lock. No. 1,264,790; Apr. 30; v. 249; p. 1172.
Haynes, Pierre E., and H. E. Thompson, Buffalo, N. Y., assignors to The Linde Air Products Company, Cleveland, Ohio. Explosive. No. 1,282,229; Oct. 22; v. 255; p. 676.
Haynes, Ray. (See Haynes, Avison F. and R.)
Haynes, Robert J., Razor, Tex. Cane-stripper. No. 1,264,791; Apr. 30; v. 249; p. 1172.
Haynes Stellite Co. (See Lurker, Edward, assignor.)
Haynes, Thomas J., South Boston, Mass. Direction-indicator for automobiles. No. 1,265,651; May 7; v. 250; p. 211.
Haynes, William D., Omaha, Nebr. Oil-burner. No. 1,277,581; Sept. 3; v. 254; p. 68.
Haynes, William J., assignor to Haynes-Langenberg Manufacturing Company, St. Louis, Mo. Heating apparatus. No. 1,284,893; Nov. 12; v. 256; p. 405.
Haynie, Grant N., Hamilton, Mo. Detachable petcock-controlling device for motor-vehicles. No. 1,267,545; May 28; v. 250; p. 826.
Hays, Frederick W., Pittsburgh, Pa. Lightning-arrester. No. 1,264,396; Apr. 30; v. 249; p. 1065.
Hays, Paul, Los Angeles, Cal. Erasing device or board. No. 1,281,365; Oct. 15; v. 255; p. 404.
Hays, Samuel C., Franklin, Pa. Fuel-saving device. No. 1,260,378; Mar. 26; v. 248; p. 803.
Hayssen, Arthur H. (See Hayssen, Herman and A. H.)
Hayssen, Herman and A. H., Sheboygan, Wis. Sheet-feed mechanism. No. 1,261,808; Apr. 9; v. 249; p. 264.
Hayter, William H., South Norwood, London, England. Wheel. No. 1,280,999; Oct. 8; v. 255; p. 269.
Hayter, William H., South Norwood, London, England. Cam-lever. No. 1,281,000; Oct. 8; v. 255; p. 269.
Hayward, Chauncey B., Jersey City, N. J. Dish-washing machine. No. 1,264,792; Apr. 30; v. 249; p. 1173.

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Hayward, Clarence B., New Haven, Conn. Indicating-valve. No. 1,258,114; Mar. 5; v. 248; p. 48.
Hayward Company, The. (See Atkinson, Herbert S., assignor.)
Hayward, Henry E., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Positioning device for silent chain-links. No. 1,256,897; Feb. 19; v. 247; p. 599.
Hayward, Henry E., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Link-stacking device. No. 1,256,898; Feb. 19; v. 247; p. 599.
Hayward, Robert H., and C. W. Brown, Winnipeg, Manitoba, Canada. Grain-elevator. No. 1,289,756; Dec. 31; v. 257; p. 995.
Haywood, John K., Washington, D. C. Manufacturing calcium arsenate for insecticidal use. No. 1,266,258; May 14; v. 250; p. 413.
Haywood, William. (See Ames and Haywood.)
Hazard, Allen B., Berwyn, Ill., assignor, by mesne assignments, to Western Electric Company. Testing process and machine. No. 1,254,690; Jan. 29; v. 246; p. 1051.
Hazard, Henry T., Los Angeles, Cal. Steering mechanism. No. 1,271,706; July 9; v. 252; p. 300.
Hazard, Henry T., Los Angeles, Cal. Bumper. No. 1,272,256; July 9; v. 252; p. 455.
Hazard Manufacturing Company. (See Brodhun, Carl P., assignor.)
Hazard, Roswell W., *et al.* (See Shands, John B., assignor.)
Hazel-Atlas Glass Co. (See Stenhouse, Thomas, assignor.)
Hazel-Atlas Glass Company. (See Good, Robert, Jr., assignor.)
Hazel, Charles R., Charleroi, Pa. Grinding and polishing machine. No. 1,281,001; Oct. 8; v. 255; p. 270.
Hazel, Frank A., Pascoag, R. I. Renewable license-tag. No. 1,257,705; Feb. 26; v. 247; p. 870.
Hazelett, Clarence W., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,260,379; Mar. 26; v. 248; p. 804.
Hazelette, Eugene. (See Packwood, Rust, and Hazelette.)
Hazeltine, Reginald, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Gage. No. 1,283,753; Nov. 5; v 256; p. 82.
Hazelton, Fred S., *et al.* (See Van Meter, John N., assignor.)
Hazelton, Robert T., and S. Einstein, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic table-lowerer. No. 1,273,365; July 23; v. 252; p. 815.
Hazelton, Robert T., and L. F. Nenninger, Cincinnati, Ohio. Spindle-stop mechanism. No. 1,280,024; Sept. 24; v. 254; p. 814.
Hazelton, William J., Pontiac, Mich. Life-boat. No. 1,270,616; June 25; v. 251; p. 782.
Hazemhyer, William D., Wellington, Kans., assignor of forty-nine one-hundredths to J. W. Calta, Platte, S. D. Corn-harvester. No. 1,278,644; Sept. 10; v. 254; p. 380.
Hazlett, H. A. (See Rader, Joe, assignor.)
Hazleton, Robert T., and S. Einstein, assignors to The Cincinnati Milling Machine Company, Oakley, Cincinnati, Ohio. Automatic machine-tool. No. 1,258,614; Mar. 5; v. 248; p. 195.
Heacock, Jonathan, Highlands, N. C. Reversible plow. No. 1,265,652; May 7; v. 250; p. 211.
Head, Ernest C., assignor to Colburn Machine Tool Company, Franklin, Pa. Producing gears. No. 1,262,192; Apr. 9; v. 249; p. 369.
Head, Robert, New York, N. Y., assignor to The Aeolian Company. Sound-box. No. 1,275,914; Aug. 13; v. 253; p. 465.
Head, Robert, New York, N. Y., assignor to The Aeolian Company. Sound-box. No. 1,278,341; Sept. 10; v. 254; p. 300.
Head, Wrightson and Company. (See Wrightson and Ringquist, assignors.)
Headen, John S., Springfield, Mo. Lock mechanism. No. 1,284,329; Nov. 12; v. 256; p. 264.
Headley, Henry, *et al.* (See Van Meeteren, Harry W., assignor.)
Headson, Frank A., Milwaukee, Wis. Making a heat-insulating composition. No. 1,283,754; Nov. 5; v. 256; p. 83.
Headson, Frank A., assignor to H. W. Johns-Manville Company, Milwaukee, Wis. Brake-band, brake-shoe, and lining therefor. No. 1,264,924; May 7; v. 250; p. 14.
Heal, Ambrose, London, and T. Smith, Brockley, England. Domestic furniture. No. 1,254,499; Jan. 22; v. 246; p. 967.
Heal, John G. (See McIntosh, James A., assignor.)
Heald, George W. (See Campbell and Heald.)
Heald, James N., assignor to Heald Machine Company, Worcester, Mass. Grinding-machine. No. 1,285,159; Nov. 19; v. 256; p. 511.
Heald Machine Company. (See Heald, James N., assignor.)
Healey, Clinton A., Westfield, Mass. Tooth for hay-rakes. No. 1,258,770; Mar. 12; v. 248; p. 277.
Healey, Clinton A., Westfield, Mass. Guard-plate for hay-rakes. No. 1,262,340; Apr. 9; v. 249; p. 409.
Healey & Co. (See Douglas, William H., assignor.)
Healey, Ellis C., East Orange, N. J., assignor to Newman Clock Company, New York, N. Y. Actuating means for watchmen's clocks. No. 1,257,227; Feb. 19; v. 247; p. 694.
Healey, John B., Salt Lake City, Utah. Signal device. No. 1,256,314; Feb. 12; v. 247; p. 391.
Healy, Edmund, Culver, Oreg. Valve-grinder. No. 1,279,341; Sept. 17; v. 254; p. 598.
Healy, Joseph F., Irene, S. D. Automatically-controlled watering-fountain. No. 1,270,731; June 25; v. 251; p. 811.
Healy, Leon J. D., and A. A. Frank, Milwaukee, assignors to The Federal Rubber Company, Cudahy, Wis. Vulcanizing and molding articles made of rubber and the like. No. 1,272,040; July 9; v. 252; p. 395.
Healy, Lewis E., Keystone, Iowa. Top-dresser for spreaders. No. 1,267,660; May 28; v. 250; p. 858.
Heane, Arthur, Blayney, New South Wales, Australia. Gas-compression plant. No. 1,268,840; June 11; v. 251; p. 237.
Heany, John A., Flint, Mich., assignor to Lindsay Auto Parts Company, Indianapolis, Ind. Electric starting and supply system for automobiles. No. 1,287,988; Dec. 17; v. 257; p. 511.
Heany, John A., Flint, Mich., assignor to Lindsay Auto Parts Company, Indianapolis, Ind. Dynamo-electric starting, lighting, and ignition mechanism for automobiles. No. 1,287,989; Dec. 17; v. 257; p. 512.
Heap, Jesse J., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,274,162; July 30; v. 252; p. 1071.
Heard, Jacob F., Jr. (See Postell and Heard.)
Heard, Thomas J., Wilson, Kans. Guard-rail. No. 1,272,437; July 16; v. 252; p. 532.
Heard, Thomas M., Jr., Sioux City, Iowa. Eyeglasses and spectacles. No. 1,270,516; June 25; v. 251; p. 754.
Hearne, Joseph H., assignor of one-half to C. L. Williams, Sanford, N. C. Loom-shuttle. No. 1,264,925; May 7; v. 250; p. 14.
Hearnshaw, Frank J., Chicago, Ill. Elevator-door. No. 1,252,266; Jan. 1; v. 246; p. 238.
Hearst, William E. (See Gibson, William A., assignor.)
Hearst, William R. (See Webb, Fenner H., assignor.)
Heartt, Philip T., and T. Salfner, Montclair, N. J. Playing-card. No. 1,264,508; Apr. 30; v. 249; p. 1097.
Heath, Almon D., Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company. Apparatus for transporting volatile liquids. No. 1,286,310; Dec. 3; v. 257; p. 31.
Heath Carbureter Corporation. (See Heath, Forrest A., assignor.)
Heath, Clarence F., Washington, D. C. Letter-carrier's desk. No. 1,258,004; Mar. 5; v. 248; p. 16.
Heath, Forrest A., Jersey City, N. J., assignor to Heath Carbureter Corporation. Carbureter. No. 1,287,990; Dec. 17; v. 257; p. 513.
Heath, Frank, assignor of one-half to D. C. Benton, San Diego, Cal. Collapsible vehicle-box. (Reissue.) No. 14,500; Aug. 6; v. 253; p. 241.
Heath, Mathew E., Freewater, Oreg. Spring-wheel. No. 1,255,416; Feb. 5; v. 247; p. 93.
Heath, Oscar, assignor to Boston Last Company, Boston, Mass. Electric toe-softener. No. 1,258,633; Mar. 5; v. 248; p. 201.
Heath, Samuel, Roxborough, Pa. Can-opener. No. 1,275,915; Aug. 13; v. 253; p. 465.
Heath, Spencer, Baltimore, Md., assignor to American Propeller and Manufacturing Company. Propeller-pitch gage. No. 1,263,348; Apr. 16; v. 249; p. 721.
Heath, Spencer, Baltimore, Md. Propeller-hub boring and facing machine. No. 1,283,755; Nov. 5; v. 256; p. 83.
Heath, William E., Baltimore, Md. Shirt-waist for men. No. 1,259,234; Mar. 12; v. 248; p. 409.
Heathcock, William A., Lowell, Mass. Machine for making core-yarns. No. 1,286,311; Dec. 3; v. 257; p. 31.
Heatley, James. (See Martin, John, assignor.)
Heaton, Herman C. (See Jacobus and Heaton.)
Heaton, Herman C., Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method of and apparatus for treating boiler feed-water. No. 1,255,164; Feb. 5; v. 247; p. 14.
Heaton, Morgan, Norton, Kans. Tellurian. No. 1,261,809; Apr. 9; v. 249; p. 264.
Hebbard, Charles C., Joplin, Mo. Head-motion for ore-concentrators. No. 1,286,617; Dec. 3; v. 257; p. 106.
Hebbard, James, Broken Hill, New South Wales, Australia, assignor, by mesne assignments, to Minerals Separation North American Corporation. Separation of mixed sulfid ores. No. 1,261,810; Apr. 9; v. 249; p. 265.
Hebbard, James, and R. J. Harvey, Broken Hill, New South Wales, Australia, assignors, by mesne assignments, to Minerals Separation North American Corporation. Separation of metallic sulfid ores. No. 1,260,668; Mar. 26; v. 248; p. 889.
Hebel, John, Houston, Tex. Lubricator. No. 1,256,315; Feb. 12; v. 247; p. 391.
Heber, William R., Berkeley, assignor to Princeton Knitting Mills, Richmond, Cal. Adjustable bathing-suit. No. 1,254,593; Jan. 22; v. 246; p. 994.
Heberlein, Eduard, Wattwil, Switzerland. Imparting a transparent appearance to cotton. No. 1,265,082; May 7; v. 250; p. 59.

Heberlein, Georg, Wattwil, Switzerland. Producing wool-like effects on cotton fabrics. No. 1,288,884; Dec. 24; v. 257; p. 756.
Heberlein, Georg, Wattwil, Switzerland. Imparting a transparent appearance to cotton fabrics. No. 1,288,885; Dec. 24; v. 257; p. 756.
Hebern, Edward H., Oakland, Cal. Direction-signaling device for vehicles. No. 1,283,756; Nov. 5; v. 256; p. 83.
Hebert, Alfred A., Chippewa Falls, Wis. Sliding door. No. 1,274,267; July 30; v. 252; p. 1101.
Hebert, Alphonse A. (See Tracy, Peters, Griffiths, and Hebert.)
Hechenbleikner, Ingenuin, Charlotte, N. C. Concentrating sulfuric acid. No. 1,264,182; Apr. 30; v. 249; p. 1005.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Concentrating apparatus. No. 1,264,509; Apr. 30; v. 249; p. 1097.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Condensing gases from electric furnaces. No. 1,264,510; Apr. 30; v. 249; p. 1097.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Cooling and condensing gases. No. 1,264,511; Apr. 30; v. 249; p. 1097.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Denitration of sulfuric acid. No. 1,264,512; Apr. 30; v. 249; p. 1098.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Manufacture of mono and di-ammonium phosphate. No. 1,264,513; Apr. 30; v. 249; p. 1098.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Manufacture of mono and di-ammonium phosphate. No. 1,264,514; Apr. 30; v. 249; p. 1098.
Hechenbleikner, Ingenuin, assignor to Chemical Construction Company, Charlotte, N. C. Apparatus for spraying liquids. No. 1,273,856; July 30; v. 252; p. 985.
Hechler, Samuel, New York, N. Y. Tone-arm adjustment. No. 1,282,007; Oct. 15; v. 255; p. 573.
Hecht, Louis E. (See Hilton, George A., assignor.)
Hecht, Otto, Ridgeway, N. C. Plow. No. 1,259,095; Mar. 12; v. 248; p. 371.
Hecht, Solomon S., assignor of one-half to N. A. Tonkonogy, New York, N. Y. Separable fastener. No. 1,268,349; June 4; v. 251; p. 79.
Heck, Charles M., Raleigh, N. C. Sound-controlling machine. No. 1,283,510; Nov. 5; v. 256; p. 20.
Heck, W. A., *et al.* (See Waite, Charles A., assignor.)
Heck, William W., Steelton, Pa. Railway-rail. No. 1,278,922; Sept. 17; v. 254; p. 486.
Heckathorn, Chester C., South Bend, Ind. Grass-receiving attachment for mowers. No. 1,281,002; Oct. 8; v. 255; p. 270.
Heckenkamp, Frederich W., Jr., Quincy, Ill. Decoy-anchor. No. 1,264,515; Apr. 30; v. 249; p. 1098.
Hecker, Hugo A., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Glove-cleaning machine. No. 1,251,518; Jan. 1; v. 246; p. 20.
Hecker, John H., Covington, Ohio. Power-transmission appliance for automobiles. No. 1,280,459; Oct. 1; v. 255; p. 95.
Heckert, Frank H. (See Lewis, Harry, assignor.)
Heckman, Ora E., Akron, Ohio. Cross-wrapping machine. No. 1,252,109; Jan. 1; v. 246; p. 196.
Heckmann, Edward, Hermann, Mo. Game apparatus. No. 1,267,220; May 21; v. 250; p. 711.
Heckmann, Harry G., Binghamton, assignor to The Central Flatiron Mfg. Co., Johnson City, N. Y. Flat-iron. No. 1,277,921; Sept. 3; v. 254; p. 162.
Heco Envelope and Paper Company. (See Brown, Claude F., assignor.)
Hedberg, Edward W., Chicago, Ill. Switch-controlling mechanism. No. 1,258,679; Mar. 12; v. 248; p. 252.
Hedberg, Peter L., Chicago, Ill. Locking and antisteering device for automobiles. No. 1,271,573; July 9; v. 252; p. 262.
Hedden, Clarence D., Corral, Idaho. Extension-sweep bit-brace. No. 1,266,802; May 21; v. 250; p. 593.
Heddon, Charles, Dowagiac, Mich. Fish-lure. No. 1,276,062; Aug. 20; v. 253; p. 538.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake-beam. No. 1,255,604; Feb. 5; v. 247; p. 142.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Beam for brakes. No. 1,274,163; July 30; v. 252; p. 1071.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Beam for brakes. (Reissue.) No. 14,525; Oct. 1; v. 255; p. 140.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake-equalizer-centering device. No. 1,283,757; Nov. 5; v. 256; p. 84.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. No. 1,283,758; Nov. 5; v. 256; p. 84.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. No. 1,283,759; Nov. 5; v. 256; p. 84.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. No. 1,283,760; Nov. 5; v. 256; p. 84.
Hedges, Edward G., Newark, N. J. Self-closing flush-valve. No. 1,281,566; Oct. 15; v. 255; p. 456.
Hedges, Ernest W., Detroit, Mich. Threadless-pipe system for conductors and for conveying the voice. No. 1,255,417; Feb. 5; v. 247; p. 88.
Hedges, Ernest W., Detroit, Mich. Pipe cutting and grooving machine. No. 1,256,556; Feb. 19; v. 247; p. 498.
Hedges, Harry K., Los Angeles, Cal. Pump. No. 1,262,664; Apr. 16; v. 249; p. 529.
Hedges, Harry K., Los Angeles, Cal. Pump. No. 1,262,665; Apr. 16; v. 249; p. 530.
Hedges, Harry K., Los Angeles, Cal. Tractor drive-wheel. No. 1,264,646; Apr. 30; v. 249; p. 1135.
Hedges, Isaac W., Quincy, assignor of one-half to R. F. Hedges, Sidney, Ohio. Automatic train-control device. No. 1,289,757; Dec. 31; v. 257; p. 995.
Hedges, R. F. (See Hedges, Isaac W., assignor.)
Hedges, Robert S., assignor of one-half to J. P. Andrews, San Antonio, Tex. Ventilator No. 1,260,538; Mar. 26; v. 248; p. 851.
Hedick, A. M., *et al.* (See Lambeth, Acey L., assignor.)
Hedick, G. H., *et al.*, secretary. (See Lambeth, Acey L., assignor.)
Hedina, Albert, Laporte, Ind. Electrical torpedo-net. No. 1,264,926; May 7; v. 250; p. 14.
Hedina, Albert, Laporte, Ind. Torpedo-net. No. 1,264,927; May 7; v. 250; p. 15.
Hedler, Charles, *et al.* (See Woodman, Richard N., assignor.)
Hedler, Henry J., Taftsville, Conn., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Take-up mechanism for looms. No. 1,257,706; Feb. 26; v. 247; p. 870.
Hedler, Henry J., Taftville, Conn., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-end controller. No. 1,275,684; Aug. 13; v. 253; p. 400.
Hedley, Frank. (See Doyle and Hedley.)
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Car-truck. No. 1,252,434; Jan. 8; v. 246; p. 321.
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Street-sweeping apparatus. No. 1,268,571; June 4; v. 251; p. 143.
Hedman, Carl M., assignor to Hedman Manufacturing Company, Chicago, Ill. Check-protector. No. 1,270,517; June 25; v. 251; p. 755.
Hedman Manufacturing Company. (See Hedman, Carl M., assignor.)
Hedrick, Edwin, Kenilworth, Ill. Fixing finger-prints. No. 1,259,981; Mar. 19; v. 248; p. 658.
Hedrick, Floyd C., Kentland, Ind. Card-holder. No. 1,270,412; June 25; v. 251; p. 725.
Hedrick, Perry L., El Centro, Cal. Siphon flume-gate. No. 1,284,671; Nov. 12; v. 256; p. 348.
Hedrick, William R., Roanoke, Va. Threadless bolt. No. 1,256,227; Feb. 12; v. 247; p. 367.
Hedstrom, Carl O., Portland, Conn., assignor to Hendee Manufacturing Company, Springfield, Mass. Side-car construction. No. 1,267,661; May 28; v. 250; p. 859.
Heekin Can Company, The. (See Wentworth, Jesse S., assignor.)
Heene, George W. (See Wixey, Percy J., assignor.)
Heenss, Heinrich, Berne, Switzerland. Pneumatic sheet-lifting device for automatic sheet-feeders of printing-machines. No. 1,259,622; Mar. 19; v. 248; p. 552.
Heer, William D., Chicago, Ill. Coin-wrapping machine. No. 1,287,303; Dec. 10; v. 257; p. 311.
Heeren, Garry H. (See Heeren, John H. and G. H.)
Heeren, John H. and G. H., Alcester, S. D. Demountable rim. No. 1,256,316; Feb. 12; v. 247; p. 392.
Heermans, Thaddeus W., Evanston, Ill. Washing-machine. No. 1,256,557; Feb. 19; v. 247; p. 499.
Heermans, Thaddeus W., Chicago, Ill. Dish-washing machine. No. 1,262,042; Apr. 9; v. 249; p. 326.
Heermans, Thaddeus W., Evanston, Ill. Dish-washing machine. No. 1,262,043; Apr. 9; v. 249; p. 327.
Heeter, Charles M., Butler, Pa. Spudding attachment for well-drilling machines. No. 1,265,653; May 7; v. 250; p. 211.
Heeter, Charles M., Butler, Pa. Temper-screw bearing for walking-beams. No. 1,280,025; Sept. 24; v. 254; p. 815.
Heffner, William, Benton Harbor, Mich. Automobile-signal. No. 1,266,940; May 21; v. 250; p. 631.
Heflin, Le Roy. (See Smith and Heflin.)
Heftler, Victor R., Detroit, Mich., assignor to Societe du Carbureteur Zenith, Lyon, France. Carbureter. No. 1,255,165; Feb. 5; v. 247; p. 15.
Hegeman, Benjamin A., Jr. (See Hillman, Edward D., assignor.)
Hegg, Harry, Detroit, Mich. Blotter. No. 1,257,347; Feb. 26; v. 247; p. 765.
Heggem, Alfred G., Tulsa, Okla. Stuffing-box. No. 1,256,899; Feb. 19; v. 247; p. 600.

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Heggie, James, Clydebank, Scotland, assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,263,239; Apr. 16; v. 249; p. 692.
Heggie, James, Clydebank, Scotland, assignor to The Singer Manufacturing Company. Presser-foot mechanism for sewing-machines. No. 1,263,240; Apr. 16; v. 249; p. 692.
Heggie, Thomas B., Winston-Salem, N. C. Switch mechanism for railways. No. 1,281,567; Oct. 15; v. 255; p. 457.
Heghinian, Garabed G., Brooklyn, N. Y. Coin-control mechanism for vending-machines. No. 1,267,662; May 28; v. 250; p. 859.
Heginbottom, Walter G., Flint, assignor to General Motors Corporation, Detroit, Mich. Condenser-remover for internal-combustion engines. No. 1,289,168; Dec. 31; v. 257; p. 850.
Hegstrom, Elmer E. (See Olson, Oscar L., assignor.)
Heichert, Herman S. (See Slingluff and Heichert.)
Heidbrink, Jay A., Minneapolis, Minn. Apparatus for delivering a mixture of gases. No. 1,265,910; May 14; v. 250; p. 316.
Heide, Henry, Winslow, Ariz. Armor. No. 1,257,484; Feb. 26; v. 247; p. 804.
Heidelberger, Michael. (See Jacobs, Brown, Heidelberger, and Pearce.)
Heideman, Fred J., Detroit, Mich., assignor to Kelvinator Corporation, Wilmington, Del. Compressor for refrigerating apparatus. No. 1,273,366; July 23; v. 252; p. 815.
Heidenkamp, Joseph. (See Maxwell, Alexander G., assignor.)
Heidenreich, Isidor, Chicago, Ill. Advertising novelty. No. 1,262,788; Apr. 16; v. 249; p. 565.
Heider, Charley H., Glenmora, La. Lumber-stamping device. No. 1,258,215; Mar. 5; v. 248; p. 77.
Heider, Henry J., assignor to Heider Manufacturing Company, Carroll, Iowa. Non-oiling wheel. No. 1,280,460; Oct. 1; v. 255; p. 96.
Heider Manufacturing Company. (See Heider, Henry J., assignor.)
Heiderich, Robert M. H., *et al.* (See Hardyman, Frank A., assignor.)
Heidlberg, Fritz. (See Furness, Heidlberg, and Vanderkleed.)
Heidlberg, Fritz, *et al.* (See Vanderkleed and Brewer, assignors.)
Heidler, Ernst, Garfield, N. J., assignor to Columbia Conditioning Company, Inc., New York, N. Y. Sponging, setting, and finishing fabrics. No. 1,270,153; June 18; v. 251; p. 628.
Heidtmann, Ernst A., Richmond Hill, N. Y. Fishing-rod holder. No. 1,283,511; Nov. 5; v. 256; p. 20.
Heikes, Rolla O., Dayton, Ohio. Try-out pad for gun-stocks and other articles. No. 1,258,771; Mar. 12; v. 248; p. 277.
Heileman, Charles J. (See Wilkening, Walter H., assignor.)
Heilman, Abraham T. (See Ulrich, Paul D., assignor.)
Heilman, Elmer J., Perrysburg, Ohio. Sintering ores. No. 1,280,221; Oct. 1; v. 255; p. 30.
Heilmann, William A., Vailsburgh, N. J., assignor to The R. Neumann Hardware Co. Clasp for bag-frames. No. 1,278,645; Sept. 10; v. 254; p. 380.
Heilig, Cyrus H., York, Pa. Loom. No. 1,280,461; Oct 1; v. 255; p. 96.
Heiligman, Edward C. (See Semans and Heiligman.)
Heilrath, Christian. (See Redburn and Heilrath.)
Heim, Charles R., Marco, Ind. Tire-vulcanizer. No. 1,270,154; June 18; v. 251; p. 629.
Heim, Lewis R., Danbury, Conn. Feeding mechanism. No. 1,278,463; Sept. 10; v. 254; p. 330.
Heim, Lewis R., assignor to The Ball and Roller Bearing Company, Danbury, Conn. Device for feeding rolls for end-grinding. No. 1,264,928; May 7; v. 250; p. 15.
Heim, Lewis R., assignor to The Ball and Roller Bearing Company, Danbury, Conn. Grinding-machine. No. 1,264,929; May 7; v. 250; p. 15.
Heim, Lewis R., assignor to The Ball and Roller Bearing Company, Danbury, Conn. Roll-grinding machine. No. 1,264,930; May 7; v. 250; p. 16.
Heim, Lewis R., assignor to The Ball and Roller Bearing Company, Danbury, Conn. Grinding hardened rolls. No. 1,281,366; Oct. 15; v. 255; p. 404.
Heim, Walter V., Liberty, Ind. Reel. No. 1,277,582; Sept. 3; v. 254; p. 69.
Heimann, Albert, New York, N. Y. Internal-combustion engine. No. 1,265,654; May 7; v. 250; p. 211.
Heimbecker, Roland. (See De Laval and Heimbecker.)
Heimberg, Leon, Brooklyn, N. Y. Inhaler. No. 1,278,342; Sept. 10; v. 254; p. 300.
Heina, William M., New York, N. Y. Journal or axle bearing. No. 1,288,581; Dec. 24; v. 257; p. 684.
Heineman, George, Philadelphia, Pa. Shell-holder for electric cut-outs. No. 1,274,543; Aug. 6; v. 253; p. 59.
Heinemann, Ernest, Alma, Wis. Automatic lock for barn-doors. No. 1,254,905; Jan. 29; v. 246; p. 1118.
Heinen, Frank C. (See McCanna and Heinen.)
Heinen, John D. (See Miller, Bert W., assignor.)
Heinig, Oscar H., Chicago, Ill. Merchandise-display cabinet. No. 1,289,758; Dec. 31; v. 257; p. 995.
Heinke, Roy A., Dunbar, Nebr. Nut-lock. No. 1,263,241; Apr. 16; v. 249; p. 693.
Heinkel, Christian F., Cleveland, Ohio. Chuck. No. 1,283,173; Oct. 29; v. 255; p. 961.
Heinkel, Christian F., Cleveland, Ohio. Broach. No. 1,287,686; Dec. 17; v. 257; p. 436.
Heinlich, Mack M., *et al.* (See McSweeney, George W., assignor.)
Heinn Company, The. (See Fischer, Emil H., assignor.)
Heinrich, Stephen J., Newton Highlands, Mass. Air modifier. No. 1,255,533; Feb. 5; v. 247; p. 122.
Heinrich, Stephen J., Newton Highlands, Mass. Air-brush. No. 1,272,438; July 16; v. 252; p. 532.
Heinrich, Walter A. (See Matthews and Heinrich.)
Heinrichs, Berg, assignor to Mid-West Box Company, Anderson, Ind. Machine for making corrugated board. No. 1,273,367; July 23; v. 252; p. 815.
Heins, Otto, assignor to Bosch Magneto Company, New York, N. Y. Multipolar magneto. No. 1,256,795; Feb. 19; v. 247; p. 568.
Heins, Otto, assignor to Bosch Magneto Company, New York, N. Y. Multipolar magneto. No. 1,256,796; Feb. 19; v. 247; p. 568.
Heins, Otto, New York, N. Y., and C. M. Wild, Springfield, Mass., assignors to Bosch Magneto Company, New York, N. Y. Magneto. No. 1,264,931; May 7; v. 250; p. 16.
Heins, Otto, New York, N. Y., C. M. and J. E. Wild, Springfield, Mass., assignors to Bosch Magneto Company, New York, N. Y. Gearing. No. 1,266,259; May 14; v. 250; p. 413.
Heintz, James C., Lakewood, and G. Ruf, Cleveland, Ohio; said Ruf assignor to said Heintz. Vulcanizer. No. 1,262,598; Apr. 9; v. 249; p. 483.
Heinze, John O., assignor to The John O. Heinze Company, Springfield, Ohio. Starting device for internal-combustion engines. No. 1,262,666; Apr. 16; v. 249; p. 530.
Heinze, John O., assignor to The John O. Heinze Company, Springfield, Ohio. Starting and lighting system. No. 1,266,682; May 21; v. 250; p. 560.
Heinz, Nicholas L., La Salle, Ill. Building construction. No. 1,277,923; Sept. 3; v. 254; p. 163.
Heinz, Nicholas L., and J. W. Geib, La Salle, Ill. Concentrating apparatus. No. 1,277,922; Sept. 3; v. 254; p. 162.
Heinz, William V., La Salle, Ill. Coal-chute. No. 1,286,618; Dec. 3; v. 257; p. 106.
Heinze, John O., Detroit, Mich., assignor to The John O. Heinze Company, Springfield, Ohio. Electric starter and generator. No. 1,287,304; Dec. 10; v. 257; p. 311.
Heinze, John O., Detroit, Mich., assignor to The John O. Heinze Company, Springfield, Ohio. Transmission mechanism for motor-generators. No. 1,287,305; Dec 10; v. 257; p. 311.
Heinzelman Bros. Carriage Co. (See Heinzelman, Reginald, assignor.)
Heinzelman, Reginald, assignor to Heinzelman Bros. Carriage Co., Belleville, Ill. Spring-catch. No. 1,263,319; Apr. 16; v. 249; p. 713.
Heinzen, Frank M., Madison, Minn. Insulated-wire grip. No. 1,253,819; Jan. 15; v. 246; p. 753.
Heinzer, Edward, Absecon, N. J. Shock-absorber. No. 1,277,925; Sept. 3; v. 254; p. 163.
Heinzer, Milton A., Absecon, N. J. Ice-creeper. No. 1,277,924; Sept. 3; v. 254; p. 163.
Heisdorf, Nicholas P., New York, N. Y. Waterproof and buoyant fabric. No. 1,276,909; Aug. 27; v. 253; p. 806.
Heiser, Edward, and P. Binkle, Berlin, Ontario, Canada, assignors to The Goodyear's Metallic Rubber Shoe Company. Combination rubber and leather footwear. No. 1,271,707; July 9; v. 252; p. 301.
Heisey & Co., A. H. (See Sanford, Andrew J., assignor.)
Heishman, Joseph H., Port Huron, Mich. Wheat scalping and conditioning machine. No. 1,254,008; Jan. 15; v. 246; p. 807.
Heiskanen, Jalmar E., Canton, N. C. Method and apparatus for bleaching paper-pulp. No. 1,277,926; Sept. 3; v. 254; p. 163.
Heisler, Charles L., Schenectady, N. Y. Draw-bar buffer-coupling for locomotives. No. 1,257,859; Feb. 26; v. 247; p. 916.
Heiss, Gustaff F., Everett, Wash. Darning device. No. 1,277,927; Sept. 3; v. 254; p. 164.
Heiss, Herbert P., Chicago, Ill. Humidifier. No. 1,281,367; Oct. 15; v. 255; p. 404.
Heiss, Theodore, Baldwin, Mich. Trap and submarine-mine construction. No. 1,280,026; Sept. 24; v. 254; p. 815.
Heitman, Edwin J., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording instrument. No. 1,256,130; Feb. 12; v. 247; p. 336.
Heitmann, John H. (See Rawdon and Heitmann.)
Heitmiller, Herman E., Stillwater, Minn., assignor to State of Minnesota. Tongue-truck. No. 1,258,772; Mar. 12; v. 248; p. 278.
Heivner, John G., Orland, Cal. Animal-control device. No. 1,251,519; Jan. 1; v. 246; p. 20.
Heizer, Levi L., Nichols, Iowa. Marking attachment for corn-planters. No. 1,267,546; May 28; v. 250; p. 826.
Hejna, William J. (See Yirava and Hejna.)

Helbig, Emil, Frankfort-on-the-Main, assignor to Farbwerke Vorm. Meister Lucius & Brüning, Höchst-on-the Main, Germany. Permanently-stable dry bacteria preparations and making same. No. 1,288,582; Dec. 24; v. 257; p. 684.
Helbing, Frederick C., assignor of one-fourth to P. Geith and one-fourth to C. Schlicker, Rochester, N. Y. Distributer for powdered material. No. 1,282,081; Oct. 22; v. 255; p. 634.
Helbronner, André. (See Henri, Helbronner, and Recklinghausen.)
Helbronner, André. (See Recklinghausen, Helbronner, and Henri.)
Helbronner, André, and G. E. Criquebeuf, Paris, France. Manufacture of esters. No. 1,260,977; Mar. 26; v. 248; p. 974.
Helfenstein, Edgar B., Los Angeles, Cal. Paper-padding apparatus. No. 1,273,781; July 23; v. 252; p. 925.
Helfrich, George J., Cincinnati, Ohio. Horseshoe-calk attachment. No. 1,261,231; Apr. 2; v. 249; p. 67.
Helfrich, Gustav P., New York, N. Y. Mower. No. 1,275,253; Aug. 13; v. 253; p. 282.
Helfman, Harry, *et al.* (See Goodrich, William J., assignor.)
Helgeson, Albon M., Viroqua, Wis. Tobacco-hanger. No. 1,256,690; Feb. 19; v. 247; p. 538.
Helgeson, Helge, Medicine Hat, Alberta, Canada. Fish-hook. No. 1,283,174; Oct. 29; v. 255; p. 962.
Helle, Warren W., Hinsdale, assignor to Starite Manufacturing Company, Chicago, Ill. Roller and flexible sheet. No. 1,272,338; July 9; v. 252; p. 479.
Heller, Bernard D., New York, N. Y. Window-ventilator. No. 1,287,306; Dec. 10; v. 257; p. 312.
Heller, Cedric E., Milwaukee, Wis. Electrical heating appliance. No. 1,266,941; May 21; v. 250; p. 632.
Heller, Eli. (See Milman, Maurice H., assignor.)
Heller, Ernst B., assignor, by mesne assignments, to The Vacuum Churn Corporation, New York, N. Y. Treating lacteal fluids. No. 1,276,910; Aug. 27; v. 253; p. 806.
Heller, Frederick, Newark, N. J. Jewelry novelty. No. 1,272,257; July 9; v. 252; p. 455.
Heller, Harry W., Portland, Oreg. Burglar-proof safe or vault. No. 1,258,567; Mar. 5; v. 248; p. 181.
Heller, Herman S., San Francisco, Cal. Ice-machine. No. 1,252,801; Jan. 8; v. 246; p. 426.
Heller, Herman S., San Francisco, Cal. Interchangeable mechanical sign unit. No. 1,257,348; Feb. 26; v. 247; p. 765.
Heller, Hugo, assignor to Oelwerke Stern Sonneborn Akt. Ges., Cologne, Germany. Softening water. No. 1,273,857; July 30; v. 252; p. 985.
Heller, Milton L., Brooklyn, N. Y. Waistband. No. 1,272,439; July 16; v. 252; p. 533.
Heller & Son, L. (See Challet, Etienne, assignor.)
Heller, William A., Harrisburg, Pa. Polishing device. No. 1,283,175; Oct. 29; v. 255; p. 962.
Heller, William C., Montpelier, Ohio. Cabinet for phonograph-records. No. 1,262,789; Apr. 16; v. 249; p. 566.
Heller, William J., Eaton, Pa. Ready-made decoration. No. 1,270,518; June 25; v. 251; p. 755.
Hellgren, Tobias R., Aurora, Ill. Centering and squaring chuck. No. 1,268,458; June 4; v. 251; p. 111.
Hellings, Charles J., Los Angeles, Cal. Insulator. No. 1,259,512; Mar. 19; v. 248; p. 521.
Hellmer, Ralph E., assignor to Southwark Foundry & Machine Co., Philadelphia, Pa. Condenser. No. 1,266,260; May 14; v. 250; p. 413.
Hellmund, Rudolf E. (See Shepard and Hellmund.)
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,251,658; Jan. 1; v. 246; p. 65.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,251,659; Jan. 1; v. 246; p. 65.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for alternating-current motors. No. 1,251,660; Jan. 1; v. 246; p. 66.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for dynamo-electric machines. No. 1,255,419; Feb. 5; v. 247; p. 89.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,257,349; Feb. 26; v. 247; p. 765.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,258,005; Mar. 5; v. 248; p. 16.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,260,669; Mar. 26; v. 248; p. 890.
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Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,261,126; Apr. 2; v. 249; p. 38.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution and control. No. 1,264,298; Apr. 30; v. 249; p. 1038.
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Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,266,592; May 21; v. 250; p. 533.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for alternating-current commutator-motors. No. 1,266,593; May 21; v. 250; p. 534.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,269,601; June 18; v. 251; p. 479.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,275,916; Aug. 13; v. 253; p. 465.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,276,911; Aug. 27; v. 253; p. 806.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Field-control system for single-phase commutator-motors. No. 1,276,912; Aug. 27; v. 253; p. 806.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Supply system for pulsating-torque motors. No. 1,276,914; Aug. 27; v. 253; p. 807.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution and control. No. 1,277,414; Sept. 3; v. 254; p. 23.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,277,415; Sept. 3; v. 254; p. 23.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System and method of control. No. 1,278,923; Sept. 17; v. 254; p. 486.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,283,176; Oct. 29; v. 255; p. 962.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,285,160; Nov. 19; v. 256; p. 511.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,285,161; Nov. 19; v. 256; p. 511.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control for single-phase motors. No. 1,287,013; Dec. 10; v. 257; p. 238.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,287,014; Dec. 10; v. 257; p. 238.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,287,015; Dec. 10; v. 257; p. 238.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,287,016; Dec. 10; v. 257; p. 239.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,287,017; Dec. 10; v. 257; p. 239.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,287,687; Dec. 17; v. 257; p. 436.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,287,688; Dec. 17; v. 257; p. 436.
Hellmund, Rudolf E., Pittsburgh, and C. C. Whittaker, Wilkinsburg, Pa., assignors to Western Electric and Manufacturing Company. System of control. No. 1,255,418; Feb. 5; v. 247; p. 88.
Hellmund, Rudolf E., and C. W. Starker, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,261,396; Apr. 2; v. 249; p. 112.
Hellmund, Rudolph E., Pittsburgh, H. R. Meyer, Wilkinsburg, and A. H. Candee, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. System of control for single-phase commutator-motors. No. 1,276,913; Aug. 27; v. 253; p. 807.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive. No. 1,268,971; June 11; v. 251; p. 273.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive. No. 1,269,602; June 18; v. 251; p. 479.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupter. No. 1,270,822; July 2; v. 252; p. 19.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for single-phase motors. No. 1,277,416; Sept. 3; v. 254; p. 24.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor for pulsating current. No. 1,278,924; Sept. 17; v. 254; p. 487.

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Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Exciting system for phase-converters. No. 1,281,955; Oct. 15; v. 255; p. 561.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Phase-balancing system. No. 1,281,956; Oct. 15; v. 255; p. 561.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,284,330; Nov. 12; v. 256; p. 264.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Compounding system for phase-converters. No. 1,284,331; Nov. 12; v. 256; p. 264.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,285,698; Nov. 26; v. 256; p. 685.
Hellmund, Rudolf E., R. E. Ferris, Swissvale, and L. M. Perkins, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System of control. No. 1,274,711; Aug. 6; v. 253; p. 106.
Hellstrom, Frank O., Bismarck, N. D. Silo. No. 1,289,457; Dec. 31; v. 257; p. 923.
Hellstrom, John A., Wheeling, W. Va. Annealing-box. No. 1,274,537; Aug. 6; v. 253; p. 57.
Hellstrom, John A., Wheeling, W. Va. Annealing-box. No. 1,274,538; Aug. 6; v. 253; p. 57.
Hellweg, Henry, assignor of one-half to L. Schlesinger, Milwaukee, Wis. Package-holder. No. 1,285,162; Nov. 19; v. 256; p. 512.
Helm, C. Wells, Chicago, Ill. Baking-oven. No. 1,274,880; Aug. 6; v. 253; p. 154.
Helm, Clyde D., assignor to Oil Mill Machinery & Manufacturing Company, Fort Worth, Tex. Hydraulic-pressure and time indicator. No. 1,288,886; Dec. 24; v. 257; p. 757.
Helm, Louis P., Pontiac, Mich. Change-speed-gear set for motor-vehicles. No. 1,275,024; Aug. 6; v. 253; p. 193.
Helm, Virgil L., assignor of three-sixteenths to J. J. Parker, three-sixteenths to E. R. Purdy, and four-sixteenths to H. K. McCollum, Fort Worth, Tex. Liquid-fuel-measuring tank. No. 1,270,291; June 25; v. 251; p. 691.
Helme, Charles H., Portland, Me. Heel attachment. No. 1,282,420; Oct. 22; v. 255; p. 728.
Helmick Foundry Machine Company. (See Helmick, Frederic, assignor.)
Helmick, Frederic, assignor to Helmick Foundry Machine Company, Fairmont, W. Va. Roller-bearing mine-car wheel. No. 1,270,155; June 18; v. 251; p. 629.
Helmick, Frederic, assignor to Helmick Foundry Machine Company, Fairmont, W. Va. Car-wheel bearing. No. 1,286,619; Dec. 3; v. 257; p. 106.
Helmick Foundry Machine Company. (See Helmick, Frederic, assignor.)
Helmold & Bro., J. F. (See Helmold and Lorch, assignors.)
Helmold, Richard, and H. Lorch, assignors to J. F. Helmold & Bro., Chicago, Ill. Machine for cutting and trimming sheet-metal strips. No. 1,269,081; June 11; v. 251; p. 304.
Helms, Arthur J., and W. H. Blevins, Portland, Oreg., assignors to W. J. Milne, Seattle, Wash. Burner-guard. No. 1,258,899; Mar. 12; v. 248; p. 315.
Helms, Julius. (See Kurrell, Schneider, and Helms.)
Helsley, William R., Los Angeles, Cal. Device for operating waste-plugs. No. 1,275,685; Aug. 13; v. 253; p. 401.
Helsmoortel, Leon, Brooklyn, N. Y. Bomb. No. 1,282,574; Oct. 22; v. 255; p. 769.
Helson, Gilbert F. (See Hendrickson, James G., assignor.)
Helson, Gilbert F., New York, N. Y. Apparatus for filling bottles. No. 1,253,820; Jan. 15; v. 246; p. 753.
Helson, Gilbert F., assignor to E. R. Durkee and Company, New York, N. Y. Wrapping-machine. No. 1,255,009; Jan. 29; v. 246; p. 1145.
Helson, Gilbert F., assignor to E. R. Durkee and Company, New York, N. Y. Wrapping-machine. No. 1,255,605; Feb. 5; v. 247; p. 142.
Helson, Gilbert F., assignor to E. R. Durkee and Company, New York, N. Y. Wrapping-machine. No. 1,263,242; Apr. 16; v. 249; p. 693.
Helson, Gilbert F., Bayside, assignor to E. R. Durkee & Co., Elmhurst, New York, N. Y. Wrapper-holder. No. 1,271,314; July 2; v. 252; p. 158.
Helson, Gilbert F., Bayside, assignor to E. R. Durkee & Co., New York, N. Y. Carton filling and sealing machine. No. 1,277,928; Sept. 3; v. 254; p. 164.
Helton, Charles W., Elmhurst, Ill. Ash-sifter. No. 1,286,620; Dec. 3; v. 257; p. 106.
Helvik, Sigvard B., Waco, Mont. Wrench. No. 1,285,699; Nov. 26; v. 256; p. 686.
Helwig, Otto W., and E. J. Matthews, Detroit, Mich. Fuel-supply for motors. No. 1,260,902; Mar. 26; v. 248; p. 953.
Helwitz, Ellis S., Brooklyn, N. Y. Shoe-heel. No. 1,261,525; Apr. 2; v. 249; p. 151.
Helwitz, Ellis S., Brooklyn, N. Y. Shoe-heel. No. 1,263,555; Apr. 23; v. 249; p. 801.
Hely, Guy J., Fresno, Cal. Tray-stacking appliance. No. 1,267,869; May 28; v. 250; p. 919.
Hem, Halvor O., Kansas City, Mo., assignor to Toledo Scale Company, Jersey City, N. J. Dash-pot. No. 1,280,727; Oct. 8; v. 255; p. 195.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,278,646; Sept. 10; v. 254; p. 380.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Check-link mechanism. No. 1,285,163; Nov. 19; v. 256; p. 512.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Shaft for cylinder-scales. No. 1,285,164; Nov. 19; v. 256; p. 512.
Hemberg, Amandus M., Minneapolis, Minn. Car-door. No. 1,256,797; Feb. 19; v. 247; p. 568.
Hembes, Frank, Chicago, Ill. Fly-escape for screens. No. 1,260,261; Mar. 19; v. 248; p. 735.
Hembrook, Herman J. (See Caley, Garfield H., assignor.)
Hemendinger, Alexander & Company. (See Welsh, William J., assignor.)
Hemen, Frank J., Seattle, Wash. Axle safety device. No. 1,269,180; June 11; v. 251; p. 330.
Hemmen, John G., *et al.* (See Cammack, Jerry W., assignor.)
Hemenger, Francis R., Algonac, Mich. Traction-engine. No. 1,267,768; May 28; v. 250; p. 889.
Hemenway, John F. (See Holaday, Albert E., assignor.)
Hemenway, John F. (See Wright, Rea P., assignor.)
Hemenway, John F., New York, N. Y. Pressure-screw for clothes-wringers. No. 1,284,101; Nov. 5; v. 256; p. 175.
Hemestray, Eugene. (See Boras and Hemestray.)
Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Sewing-machine looper mechanism. No. 1,254,225; Jan. 22; v. 246; p. 889.
Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,260,772; Mar. 26; v. 248; p. 920.
Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Rotary-hook sewing-machine. No. 1,280,728; Oct. 8; v. 255; p. 196.
Hemmeter, John G., Philadelphia, Pa. Card-holder for Jacquard looms. No. 1,288,410; Dec. 17; v. 257; p. 613.
Hemming, Carl H., New Haven, Conn. Knife-handle-polishing machine. No. 1,255,879; Feb. 12; v. 247; p. 262.
Hemming, Otto L., New Haven, Conn. Making folding articles. No. 1,280,462; Oct. 1; v. 255; p. 96.
Hemming, Wilmer D., *et al.* (See Davis, William M., assignor.)
Hemphill, Alwynn, San Angelo, Tex. Automobile-tire. No. 1,280,729; Oct. 8; v. 255; p. 196.
Hemschemeyer, Otto J., Fairview, Mont. Barrel-closure. No. 1,283,177; Oct. 29; v. 255; p. 962.
Hench & Dromgold Company. (See Birnstock and Vogel, assignors.)
Hench, Henry Sweet, Idaho. Grade-measuring instrument. No. 1,255,744; Feb. 5; v. 247; p. 183.
Hendee, Lem E., Milwaukee, Wis. Insulator-support. No. 1,268,972; June 11; v. 251; p. 273.
Hendee Manufacturing Company. (See Gustafson, Carl J., assignor.)
Hendee Manufacturing Company. (See Hedstrom, Carl O., assignor.)
Hendee Manufacturing Company. (See Jacobson, Edward B., assignor.)
Hendee Manufacturing Company. (See Loose, Theron L., assignor.)
Hendeg Machine Co., The. (See Knight, George H., assignor.)
Hendershot, Elmer E., and E. J. Marshall, Rockaway, N. J. Insect-catching device or trap. No. 1,279,865; Sept. 24; v. 254; p. 770.
Hendershott, William H., Parkersburg, W. Va. Collapsible stand or table. No. 1,251,661; Jan. 1; v. 246; p. 66.
Hendershott, William H., Akron, assignor of one-half to R. S. Starcher, South Akron, Ohio. Bolt-cutter and shears. No. 1,267,663; May 28; v. 250; p. 859.
Henderson, Albert E., Toronto, Ontario, Canada. Tube for pneumatic tires. No. 1,255,837; Feb. 5; v. 247; p. 209.
Henderson, Albert F., Middleton, Mass. Wire-engaging battery-terminal. No. 1,255,310; Feb. 5; v. 247; p. 56.
Henderson, Albert H., assignor of one-third to G. T. Kenly and one-third to C. R. Wattenscheidt, Baltimore, Md. Combined railway tie and tie-plate and rod. No. 1,264,070; Apr. 23; v. 249; p. 941.
Henderson, Alexander F., Winnipeg, Manitoba, Canada. Surface-irrigating system. No. 1,254,906; Jan. 29; v. 246; p. 1119.
Henderson, Alexander L., Cambridge, Mass. Display-stand. No. 1,275,422; Aug. 13; v. 253; p. 328.
Henderson, Carl. (See Lane, Blaine, and Henderson.)

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Henderson, Carl, Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Lithographic damping-roller. No. 1,281,003; Oct. 8; v. 255; p. 271.
Henderson, Charles F., Madisonville, assignor to The Kemper-Thomas Company, Norwood, Ohio. Combined pincushion and paper-weight. No. 1,276,758; Aug. 27; v. 253; p. 767.
Henderson, Clarence M., Berkeley, Cal. Wall-bed. No. 1,263,889; Apr. 23; v. 249; p. 892.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Control system. No. 1,252,902; Jan. 8; v. 246; p. 454.
Henderson, Clark T., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Clutch. No. 1,258,115; Mar. 5; v. 248; p. 49.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Device for taking up and paying out slack. No. 1,265,328; May 7; v. 250; p. 124.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Feeding and tensioning mechanism. No. 1,265,329; May 7; v. 250; p. 124.
Henderson, Clark T., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Multiple-friction-disk device. No. 1,265,911; May 14; v. 250; p. 316.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Winding mechanism. No. 1,266,942; May 21; v. 250; p. 632.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,269,278; June 11; v. 251; p. 359.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,269,563; June 11; v. 251; p. 435.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Driving mechanism. No. 1,270,028; June 18; v. 251; p. 596.
Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Automatic slow-down controller. No. 1,282,828; Oct. 29; v. 255; p. 867.
Henderson, Clark T., and A. Simon, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-control system. No. 1,258,116; Mar. 5; v. 248; p. 49.
Henderson, Clark T., Milwaukee, Wis., and W. C. Stevens, New York, N. Y., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,269,564; June 11; v. 251; p. 435.
Henderson, Edwin D. (See Stokes and Menist, assignors.)
Henderson, Elbert M., and F. C. Neet, Glendora, assignors of one-half to W. T. Henderson, Pasadena, and one-half to M. R. Neet, Glendora, Cal. Flash-light attachment for firearms. No. 1,263,667; Apr. 23; v. 249; p. 831.
Henderson, George A., St. Albans, W. Va. Bituminous binder and making the same. No. 1,264,932; May 7; v. 250; p. 16.
Henderson, George A., St. Albans, W. Va. Fibrous composition and making the same. No. 1,265,655; May 7; v. 250; p. 212.
Henderson, George A., St. Albans, W. Va. Bituminous binder and making same from coal-tar pitch. No. 1,266,261; May 14; v. 250; p. 413.
Henderson, George A., St. Albans, W. Va. Fibrous composition and making the same. No. 1,270,732; June 25; v. 251; p. 811.
Henderson, George K., assignor to International Printing Company, Indianapolis, Ind. Multicolor-printing press. No. 1,254,500; Jan. 22; v. 246; p. 967.
Henderson, Gordon R., Tifton, Ga. Clothes-rack. No. 1,270,156; June 18; v. 251; p. 629.
Henderson, Henry, Halstad, Minn. Draft-rigging for shock-loaders. No. 1,285,165; Nov. 19; v. 256; p. 513.
Henderson, Henry, Halstad, Minn. Shock-loader. No. 1,289,169; Dec. 31; v. 257; p. 850.
Henderson, Henry S., Eagle Rock, Va. Tobacco-stemmer. No. 1,270,733; June 25; v. 251; p. 811.
Henderson, John, assignor to Columbia Envelope Co., Chicago, Ill. Shirt-wrapper. No. 1,269,707; June 18; v. 251; p. 508.
Henderson, John C., Washington, D. C., assignor to Driver-Harris Company, Harrison, N. J. Box for treating metallic articles by heat. No. 1,270,519; June 25; v. 251; p. 755.
Henderson, John C., Washington, D. C., assignor to Driver-Harris Company, Harrison, N. J. Means for heat-treating metallic articles. No. 1,270,520; June 25; v. 251; p. 755.
Henderson, John E., assignor of one-third to C. E. Koester, Fort Myers, Fla. Coaster-brake. No. 1,253,821; Jan. 15; v. 246; p. 754.
Henderson, John S. (See Schmidt, Valdemar, assignor.)
Henderson, Peter, Burgettstown, Pa. Spring-reel. No. 1,256,016; Feb. 12; v. 247; p. 301.
Henderson, Sylvanus B., Sanford, Me., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. No. 1,267,408; May 28; v. 250; p. 788.
Henderson, William. (See Cline and Henderson.)
Henderson, William T., Oklahoma, Okla. Mounting. No. 1,259,015; Mar. 12; v. 248; p. 350.
Henderson, William V., *et al.* (See Henderson and Neet, assignors.)
Hendey Machine Company, The. (See Knight, George H., assignor.)
Hendler, Max, Staunton, Ill., assignor to Dewar Manufacturing Company, Wilmington, Del. Miner's lamp-lighter. No. 1,274,544; Aug. 6; v. 253; p. 59.
Hendricks, Adam C., Martinsburg, W. Va. Automatic stop for phonographs. No. 1,256,317; Feb. 12; v. 247; p. 392.
Hendricks, Adam C., Martinsburg, W. Va. Automatic stop for phonographs. No. 1,277,583; Sept. 3; v. 254; p. 69.
Hendricks, Emanuel. (See Dunn, William M., assignor.)
Hendricks, Emanuel, *et al.* (See Arthur, Roy L., assignor.)
Hendricks, George P., Oakland, Cal. Oxyacetylene-torch. No. 1,264,516; Apr. 30; v. 249; p. 1098.
Hendricks, John D., Miami, Fla. Tool for forming grooves in plastic masonry. No. 1,283,761; Nov. 5; v. 256; p. 85.
Hendrick, John T., Ready, Ky. Collapsible crate. No. 1,287,307; Dec. 10; v. 257; p. 312.
Hendricks, Lewis S., Moundsville, W. Va. Keyless lock. No. 1,261,932; Apr. 9; v. 249; p. 297.
Hendricks Novelty Company. (See Ayres and Johnson, assignors.)
Hendricks, Walter L., Aurora, Ill. Harvesting-machine. No. 1,279,542; Sept. 24; v. 254; p. 675.
Hendricks, Walter L., Aurora, Ill. Butter for grain-binders. No. 1,285,166; Nov. 19; v. 256; p. 513.
Hendrickson, Charles, Detroit, Mich. Combination-lock. No. 1,287,991; Dec. 17; v. 257; p. 513.
Hendrickson, Charles J., assignor to Western Electric Company, New York, N. Y. Automatic switch. No. 1,284,672; Nov. 12; v. 256; p. 348.
Hendrickson, Jacob, Northport, Wash. Hat-retainer. No. 1,285,701; Nov. 26; v. 256; p. 686.
Hendrickson, James G., assignor of one-half to G. F. Helson, Bayonne, N. J. Measuring and dispensing apparatus. No. 1,285,700; Nov. 26; v. 256; p. 686.
Hendrickson Machine Company, The. (See Noyes, Mayhew E., assignor.)
Hendrix, John D., Bremerton, Wash. Stove. No. 1,284,102; Nov. 5; v. 256; p. 176.
Hendsch, C. A., *et al.* (See Hively, Charles A., assignor.)
Henes, Henry W., Chicago, Ill. Carbureting device for internal-combustion engines. No. 1,280,463; Oct. 1; v. 255; p. 96.
Hengstenberg, Paul M., Wilkinsburg, Pa. Fly-trap. No. 1,262,790; Apr. 16; v. 249; p. 566.
Heniger, Charles T., assignor of one-half to J. B. Smiley, Birmingham, Ala. Sanitary dry closet. No. 1,264,793; Apr. 30; v. 249; p. 1173.
Henke, Harold W. and S. H., Lewisham, London, England. Speed-indicator. No. 1,271,467; July 2; v. 252; p. 198.
Henke, Sidney H. (See Henke, Harold W. and S. H.)
Henkel, Charles, Fort Wayne, Ind. Fence-post. No. 1,283,178; Oct. 29; v. 255; p. 963.
Henkle, Edward A., assignor to Globe Ticket Company, Philadelphia, Pa. Coupon-ticket. No. 1,253,033; Jan. 8; v. 246; p. 497.
Henkle, Willard G., Garrison, Iowa. Locking device for gates. No. 1,253,822; Jan. 15; v. 246; p. 754.
Henley, John, Charlemont, Moy, Ireland. Stereoscopic projecting-machine. No. 1,284,673; Nov. 12; v. 256; p. 349.
Henley, Louis, Rome, N. Y. Siding for boat-hulls. No. 1,268,244; June 4; v. 251; p. 49.
Henley, Robert R. (See Dorset and Henley.)
Henley, William J., Jr., Indianapolis, Ind. Double thermostatic control of explosive mixtures. No. 1,286,621; Dec. 3; v. 257; p. 107.
Henneböhle, Frank, Chicago, Ill. Hydraulic mechanism and valve for same. No. 1,283,179; Oct. 29; v. 255; p. 963.
Henneman, Valentin, Providence, R. I. Train-controlling apparatus. No. 1,278,647; Sept. 10; v. 254; p. 381.
Hennell, Robert. (See Myers, Melvin A., assignor.)
Hennen, Donley C., assignor of one-half to C. L. Mong, Waynesburg, Pa. Sanitary tooth-brush holder. No. 1,257,860; Feb. 26; v. 247; p. 916.
Hennessy, James J., St. Louis, Mo. Journal-lubricator. No. 1,265,198; May 7; v. 250; p. 91.
Hennessy, James J., St. Louis, Mo. Automatic journal-lubricator. No. 1,265,199; May 7; v. 250; p. 91.
Hennessy, John P., Newport, R. I. Gyroscope. No. 1,289,170; Dec. 31; v. 257; p. 850.
Hennessy, Thomas J. (See Bean and Hennessy.)
Hennesy, John F., Duluth, Minn. Scaffold-bracket. No. 1,278,925; Sept. 17; v. 254; p. 487.
Hennig, Edith M., Brooksville, Fla. Fertilizer-distributer. No. 1,283,180; Oct. 29; v. 255; p. 963.
Hennig, Gustav K., assignor to Ludwig Hupfeld Aktiengesellschaft, Böhlitz-Ehrenberg, near Leipzig, Germany. Piano-violin bow. No. 1,256,900; Feb. 19; v. 247; p. 600.
Hennig, Rudolf, assignor to Gebr. Päglow, Kl. Grasbrook, near Hamburg, Germany. Device for starting and scavenging two-cycle engines. No. 1,259,398; Mar. 12; v. 248; p. 457.
Henniger, John B., and J. K. Guthrie, Perth Road, Ontario, Canada. Switch-operating means. No. 1,265,200; May 7; v. 250; p. 91.

Henning, Albert, Leytonstone, England. Nozzle for bottles, tubes, and the like. No. 1,287,308; Dec. 10; v. 257; p. 312.
Henning, August E., Santa Ana, Cal. Automobile recording apparatus. No. 1,269,217; June 11; v. 251; p. 343.
Henning, Bruno W., *et al.* (See Jacobsen, Jacob, assignor.)
Henning, Bruno W., Fresno, assignor of one-fourth to D. Robertson, San Francisco, and one-fourth to G. P. Beveridge, Fresno, Cal. Nut-lock. No. 1,270,734; June 25; v. 251; p. 811.
Henning, David M., Memphis, Tenn. Bill-form. No. 1,272,258; July 9; v. 252; p. 456.
Henning, Frederick G., and H. S. Jones, Brooklyn, N. Y. Gas-pipe terminal. No. 1,278,464; Sept. 10; v. 254; p. 330.
Henning, John F., assignor to Janesville Barb Wire Co., Janesville, Wis. Fence-post brace construction. No. 1,252,569; Jan. 8; v. 246; p. 361.
Henoch, Karl F. (See Haschek and Henoch.)
Henri, Victor. (See Recklinghausen, Helbronner, and Henri.)
Henri, Victor, A, Helbronner, and M. Recklinghausen, von, Paris, France, assignors, by mesne assignments, to The R. U. V. Company, Inc. Treatment of water and other liquids by ultra-violet rays. No. 1,266,803; May 21; v. 250; p. 594.
Henricks, Garrett W., assignor of two-thirds to G. F. Kreitlein, Indianapolis, Ind. Liquid-container. No. 1,282,575; Oct. 22; v. 255; p. 769.
Henricson, Fred W., Philadelphia, Pa. Torch. No. 1,255,745; Feb. 5; v. 247; p. 183.
Henrikson, Frank W., and T. Davison, Mulberry, Kans. Adjustable valve mechanism. No. 1,278,926; Sept. 17; v. 254; p. 487.
Henrikson, Gustaf. (See Henrikson, Otto and G.)
Henrikson, Otto T., Chicago, Ill. Hook, automatic-releasing. No. 1,286,622; Dec. 3; v. 257; p. 107.
Henrikson, Otto, Minneapolis, Minn., and G. Henrikson, Chicago, Ill. Motor-vehicle. No. 1,274,164; July 30; v. 252; p. 1071.
Henrix, Gustav A. H., Chicago, Ill. Spark-tip. No. 1,277,929; Sept. 3; v. 254; p. 164.
Henry, Augustus M., New York, N. Y. Amusement device. No. 1,269,279; June 11; v. 251; p. 359.
Henry, Charles J., Perth Amboy, N. J. Tile-mounting board. No. 1,280,730; Oct. 8; v. 255; p. 196.
Henry, David C., Rosebank, assignor to Magnetic Transmission Company, New York, N. Y. Electrical magnetic drive and clutch. No. 1,259,861; Mar. 19; v. 248; p. 621.
Henry Disston & Sons. (See Freas, Samuel T., assignor.)
Henry Disston & Sons. (See Rogers, George L., assignor.)
Henry, Ferdinand G., New York, N. Y. Internal-combustion engine. No. 1,253,969; Jan. 15; v. 246; p. 795.
Henry, Ferdinand G., Philadelphia, Pa., assignor to Burkhart Corporation, Buffalo, N. Y. Coin-controlled apparatus. No. 1,262,193; Apr. 9; v. 249; p. 369.
Henry, Ferdinand G., Philadelphia, Pa., assignor to Burkhart Corporation, Buffalo, N. Y. Clutch. No. 1,268,350; June 4; v. 251; p. 79.
Henry, Ferdinand G., Philadelphia, Pa. Signal. No. 1,274,420; Aug. 6; v. 253; p. 22.
Henry, Frank B., Philadelphia, Pa. Fluid-motor. No. 1,263,060; Apr. 16; v. 249; p. 643.
Henry, Frank T., Michigan City, Ind. Bundle or package tie. No. 1,271,895; July 9; v. 252; p. 351.
Henry, Gaston, Paris, France. Free-wheel drive for cycles. No. 1,278,648; Sept. 10; v. 254; p. 381.
Henry, George D., Kansas City, Mo. Fly-swatter. No. 1,288,583; Dec. 24; v. 257; p. 684.
Henry, George W., New York, assignor to E. Boissier, Great Neck, N. Y. Tool-holder. No. 1,286,623; Dec. 3; v. 257; p. 107.
Henry, George W., New York, assignor to E. Boissier, Great Neck, N. Y. Clamp for wires. No. 1,286,624; Dec. 3; v. 257; p. 108.
Henry, Hubert K., assignor to Rex Typewriter Company, Chicago, Ill. Type-writing machine. No. 1,254,501; Jan. 22; v. 246; p. 967.
Henry, Hubert K., Detroit, Mich., assignor to Rex Typewriter Company, Chicago, Ill. Carriage-stop mechanism for type-writing machines. No. 1,287,018; Dec. 10; v. 257; p. 239.
Henry Hyman & Co. (See Drufva, John T., assignor.)
Henry Hyman & Co. (See Rothenberg, Harry, assignor.)
Henry, James W., Gooding, Idaho. Hydrocarbon-engine. No. 1,267,547; May 28; v. 250; p. 827.
Henry, John M., *et al.* (See Paramor, John, assignor.)
Henry, John P., Copperhill, Tenn. Rail-supporting means. No. 1,259,096; Mar. 12; v. 248; p. 372.
Henry L. Hughes Co. (See Sherman, William T., assignor.)
Henry Likly & Co. (See Likly, Henry, assignor.)
Henry Likly & Company. (See Reinhard, Norman A., assignor.)
Henry, Nelson B., Atlanta, Ga., assignor to The Murray Company, Dallas, Tex. Idler-pulley attachment for linters and similar machines. No. 1,262,044; Apr. 9; v. 249; p. 327.
Henry, Nelson B., Atlanta, Ga., assignor to The Murray Company, Dallas, Tex. Cotton-seed linter. No. 1,276,355; Aug. 20; v. 253; p. 619.
Henry, Nelson B., Atlanta, Ga., assignor to The Murray Company, Dallas, Tex. Apparatus for ginning cotton. No. 1,278,649; Sept. 10; v. 254; p. 382.
Henry R. Worthington, Inc. (See De Laval, Carl G., assignor.)
Henry R. Worthington, Inc. (See De Laval and Heimbecker, assignors.)
Henry R. Worthington, Inc. (See Foran, George J., assignor.)
Henry, René A., *et al.* (See Chassaing, Eugéne, assignor.)
Henry, Riley, Williford, Ark. Pea-huller. No. 1,274,881; Aug. 6; v. 253; p. 154.
Henry, Robert G., Oakland, assignor to G. F. Voight, San Francisco, Cal. Spring suspension for road-vehicles. No. 1,261,127; Apr. 2; v. 249; p. 39.
Henry Weis Manufacturing Company. (See Motts, Charles W., assignor.)
Henry, William K., assignor to American Hardware Corporation, New Britain, Conn. Safety door-holder. No. 1,278,465; Sept. 10; v. 254; p. 331.
Hensley, William T., Indianapolis, Ind., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Commutator. No. 1,287,309; Dec. 10; v. 257; p. 312.
Henschel, Henry, assignor to McLoughlin Brothers, Inc., New York, N. Y. Foldable structure. No. 1,279,866; Sept. 24; v. 254; p. 770.
Henschel, Henry, assignors to McLoughlin Brothers, Inc., New York, N. Y. Foldable furniture. No. 1,283,762; Nov. 5; v. 256; p. 85.
Henschel, Lipsman, New York, N. Y. Buttonhole-cutting machine. No. 1,289,759; Dec. 31; v. 257; p. 996.
Hensen, John H., Grand Rapids, Mich. Top and windshield connector. No. 1,266,123; May 14; v. 250; p. 376.
Henshaw, Seth B., assignor to Charleston Window Glass Co., Charleston, W. Va. Capping-horse for hollow glass cylinders. No. 1,263,668; Apr. 23; v. 249; p. 831.
Henslee, Conrad S., North Chattanooga, Tenn. Device for closing openings in the hulls of vessels below the water-line. No. 1,260,978; Mar. 26; v. 248; p. 974.
Hensley, Charles G., *et al.* (See Lichtenstein, Henry E., assignor.)
Hensley, William T., Connersville, Ind., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Dynamo-electric machine. No. 1,255,606; Feb. 5; v. 247; p. 142.
Hensley, William T., Connersville, Ind., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Dynamo-electric machine. No. 1,255,607; Feb. 5; v. 247; p. 143.
Hensley, William T., Connersville, Ind., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Alternating-current dynamo-electric machine. No. 1,259,097; Mar. 12; v. 248; p. 372.
Hensley, William T., Boundbrook, N. J., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Apparatus for charging storage batteries. No. 1,256,228; Feb. 12; v. 247; p. 367.
Hensley, William T., Boundbrook, N. J., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Combined engine-starter clutch and fly-wheel. No. 1,269,708; June 18; v. 251; p. 508.
Hensley, William T., Boundbrook, N. J., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Electric-starter clutch mechanism. No. 1,285,702; Nov. 26; v. 256; p. 687.
Hensley, William T., Boundbrook, N. J., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Making metal articles. No. 1,285,996; Nov. 26; v. 256; p. 761.
Hensley, William T., Boundbrook, and C. W. Urban, Westfield, N. J., assignors, by mesne assignments, to Bound Brook Engine & Mfg. Co. Electric starter. No. 1,285,167; Nov. 19; v. 256; p. 513.
Hensman, William, Southfields, London, England. Fire-escape. No. 1,273,485; July 23; v. 252; p. 847.
Henson, William M., Savoy, Tex. Seed screening and selecting means for cotton-gins. No. 1,251,520; Jan. 1; v. 246; p. 21.
Henson, William M., Savoy, Tex. Automatic lock for cotton-gins. No. 1,255,746; Feb. 5; v. 247; p. 184.
Hensrud, Oscar I., Mekinock, N. D. Churn. No. 1,264,071; Apr. 23; v. 249; p. 941.
Henthorn, Benjamine, Osawatomie, Kans. Milk-can lock. No. 1,268,841; June 11; v. 251; p. 237.
Henthorn, Benjamine F., Osawatomie, Kans. Fish-bait container. No. 1,278,146; Sept. 10; v. 254; p. 247.
Hentschel, Paul J., Baltimore, Md. Bottle-stopper. No. 1,283,181; Oct. 29; v. 255; p. 963.
Hentschke, Paul, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Lubricating-pump for multicylinder engines. No. 1,282,082; Oct. 22; v. 255; p. 635.
Hentz, Albert G., Collinwood, Ohio, assignor of two-thirds to B. B. Milner, New York, N. Y. Locomotive exhaust apparatus. No. 1,272,662; July 16; v. 252; p. 596.
Hentz, James W., Baltimore, Md. Closure for bottles, jars, &c. No. 1,284,332; Nov. 12; v. 256; p. 265.

Henzi, Albert A., assignor to The Goss Printing Press Company, Chicago, Ill. Printing-plate-shaving machine. No. 1,260,903; Mar. 26; v. 248; p. 953.
Hepner, Benjamin E. (See Allen, Watson H., assignor.)
Hepp, Louis H. (See Taylor and Hepp.)
Hepp, Waldemar. (See Wulf, John W., assignor.)
Heppes, Otto A. (See Wallin and Heppes.)
Herbert, Clifford M., Rutherford, N. J. Vise. No. 1,285,997; Nov. 26; v. 256; p. 761.
Herbert, Harland P., Rock Island, Ill. Sewing companion. No. 1,289,448; Dec. 31; v. 257; p. 921.
Herbert, Harry, assignor of one-half to B. Lebovitz, Chrome, N. J. Oil-can closure. No. 1,266,463; May 14; v. 250; p. 466.
Herbert, Henry E., and J. B. Hogeboom, Martin, Mich. Spraying implement. No. 1,276,653; Aug. 20; v. 253; p. 702.
Herbert, John, assignor of one-half to G. Kennedy, Poland, Ind. Combined watering and feeding trough. No. 1,257,861; Feb. 26; v. 247; p. 916.
Herbert, Pitt H. (See Tully and Herbert.)
Herbert, Michael E., Chicago, Ill. Boiler. No. 1,265,201; May 7; v. 250; p. 92.
Hercules Gas Engine Company, The. (See McMullen and Woodruff, assignors.)
Hercules Motor Manufacturing Company, The. (See Balough, Charles, assignor.)
Hercules Powder Company. (See Barab, Jacob, assignor.)
Hercules Powder Company. (See Symmes, Ernest M., assignor.)
Herd, Carl P., Kewanee, Ill. Mold. No. 1,269,603; June 18; v. 251; p. 479.
Herdman, Adam H., assignor to Fort Worth Well Machinery & Supply Co., Fort Worth, Tex. Well-drilling machine. No. 1,255,747; Feb. 5; v. 247; p. 184.
Herhold Chair Co. (See Burjanek, Frank, assignor.)
Herink, Henry J., assignor to The Relay Automatic Telephone Company, Limited, London, England. Electric-impulse sender. No. 1,264,517; Apr. 30; v. 249; p. 1099.
Herink, Henry J., assignor to The Relay Automatic Telephone Company, Limited, London, England. Telephone system. No. 1,269,181; June 11; v. 251; p. 330.
Herink, Henry J., assignor to The Relay Automatic Telephone Company, Limited, London, England. Telephone system. No. 1,288,411; Dec. 17; v. 257; p. 613.
Heritage, William H., Philadelphia, Pa. Doweling-jig. No. 1,269,811; June 18; v. 251; p. 538.
Herl, Dragutin, La Salle, N. Y. Stretcher. No. 1,268,006; May 28; v. 250; p. 956.
Herlbauer, Joseph J., Richmond Hill, N. Y. Automatic automobile dump-truck. No. 1,263,243; Apr. 16; v. 249; p. 693.
Herlbauer, Joseph J., Richmond Hill, N. Y. Automobile-truck. No. 1,269,435; June 11; v. 251; p. 400.
Herle, Chester A., Rochester, N. Y. Air-pump. No. 1,257,350; Feb. 26; v. 247; p. 766.
Herm, Joseph, Los Angeles, Cal. Railway-crossing. No. 1,253,192; Jan. 8; v. 246; p. 542.
Herm, Joseph, Los Angeles, Cal. Railway-crossing. No. 1,258,619; Mar. 5; v. 248; p. 196.
Herman, Ernest K. (See Wade and Herman.)
Herman, Fred, Shenandoah, Pa. Ice-creeper. No. 1,275,917; Aug. 13; v. 253; p. 465.
Herman, Hyman, Toronto, Ontario, Canada. Stove or furnace. No. 1,256,798; Feb. 19; v. 247; p. 569.
Herman, Jacob W. (See Hyle and Herman.)
Herman, John E. (See Bornhauser and Herman.)
Herman, John E., *et al.* (See Bornhauser, Otto E., assignor.)
Herman, John E., Cincinnati, Ohio. Nut-lock. No. 1,255,311; Feb. 5; v. 247; p. 56.
Herman, Joseph, Peoria, assignor to Keystone Steel & Wire Company, South Bartonville, Ill. Apparatus for drawing wire. No. 1,270,946; July 2; v. 252; p. 54.
Herman, Julius L., Toledo, Ohio. Cutting-tool. No. 1,281,004; Oct. 8; v. 255; p. 271.
Herman, Max, New York, N. Y. Cut-feather pompon. No. 1,267,548; May 28; v. 250; p. 827.
Herman, Samuel J., assignor to Diamond Power Specialty Company, Detroit, Mich. Soot-blower. No. 1,281,005; Oct. 8; v. 255; p. 271.
Herman Scheuer & Sons. (See Holland, Frederick W., assignor.)
Hermani, Henry, assignor to Tin Decorating Company, Baltimore, Md. Apparatus for applying hinge-pintles to box-part blanks. No. 1,267,409; May 28; v. 250; p. 788.
Hermann, Arnold, Sharpsburg, Pa. Mathematical puzzle. No. 1,270,947; July 2; v. 252; p. 55.
Hermann, Carl S., Newark, Ohio. Cover for firearms. No. 1,274,268; July 30; v. 252; p. 1101.
Hermanns, Leo, Heidelberg, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Production of new derivatives of the hydantoin. No. 1,285,703; Nov. 26; v. 256; p. 687.
Hermansen, Herman, Baybridge, assignor to The Sandusky Cement Company, Cleveland, Ohio. Gas washing and collecting apparatus. No. 1,283,763; Nov. 5; v. 256; p. 85.
Hermanson, Albin, Fort Stanton, N. Mex. Suit hanger and shape retainer. No. 1,284,674; Nov. 12; v. 256; p. 349.
Hern, Jay J. (See Arey, Samuel E., assignor.)
Hernandez-Mejia, Arturo, New Rochelle, N. Y. Making photographic stereoscopic transparencies. No. 1,282,829; Oct. 29; v. 255; p. 867.
Hernandez, Rafael, and F. R. Ortega, Santi Spiritus, Cuba. Cigar holder and lighter. No. 1,275,154; Aug. 6; v. 253; p. 229.
Herold, Anthony J., Omaha, Nebr. Clamp. No. 1,272,259; July 9; v. 252; p. 456.
Heron, Robert F. (See Parsons and Heron.)
Herr, Abram B., asignor of one-third to E. M. Royer and one-third to J. H. Moseman, Lancaster, Pa. Brush mechanism for can-washing machines. No. 1,275,025; Aug. 6; v. 253; p. 193.
Herr, Abram B., assignor to Sanitary Can Washer Co., Lancaster, Pa. Can-washing machine. No. 1,280,731; Oct. 8; v. 255; p. 196.
Herr, Henry C., assignor, by mesne assignments, to South Side Trust Company, trustee, Pittsburgh, Pa. Paste-applying mechanism. No. 1,265,202; May 7; v. 250; p. 92.
Herr, Henry C., assignor to Fiber Barrel Machinery & Manufacturing Company, Pittsburgh, Pa. Machine for applying chine-hoops to cylindrical bodies. No. 1,265,712; May 7; v. 250; p. 228.
Herr, Herbert T., Pittsburgh, Pa., assignor to The Westinghouse Machine Company. Rotary valve for internal-combustion engines. No. 1,258,406; Mar. 5; v. 248; p. 133.
Herr, Herbert T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combination gearing and thrust-bearing. No. 1,272,041; July 9; v. 252; p. 395.
Herr, Herbert T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Marine propulsion. No. 1,286,625; Dec. 3; v. 257; p. 108.
Herr, Herbert T., and O. T. Post, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Flow-meter. No. 1,279,693; Sept. 24; v. 254; p. 720.
Herr, Homer A., Philadelphia, Pa. Continuous automatic centrifugal filtering-machine. No. 1,286,626; Dec. 3; v. 257; p. 108.
Herr, Park A., Saybrook, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,265,448; May 7; v. 250; p. 159.
Herr, Shirl, assignor to Crawfordsville Seed Company, Crawfordsville, Ind. Reclaiming seed. No. 1,283,512; Nov. 5; v. 256; p. 20.
Herre, Alfred. (See Bauer and Herre.)
Herres, Michael P., Peola, Wash. Velocipede. No. 1,266,464; May 14; v. 250; p. 467.
Herreshoff, Alexander G. (See Masury and Herreshoff.)
Herreshoff, Alexander G., assignor to International Motor Company, New York, N. Y. Sheet-metal internal-combustion engine. No. 1,286,627; Dec. 3; v. 257; p. 109.
Herreshoff, James B., Jr., Richmond Hill, N. Y. Electrolytic apparatus. No. 1,262,045; Apr. 9; v. 249; p. 327.
Herrick, Albert B., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding rail-bonds. No. 1,287,689; Dec. 17; v. 257; p. 437.
Herrick, Charles G., Independence, Iowa. Spectacle-cabinet. No. 1,284,103; Nov. 5; v. 256; p. 176.
Herrick, Frank A., assignor to The F. A. Herrick Company, Toledo, Ohio. Rack. No. 1,259,623; Mar. 19; v. 248; p. 552.
Herrick, Roy R., Jackson, Mich. Tobacco-can. No. 1,285,168; Nov. 19; v. 256; p. 514.
Herrimann, George E. (See Tucker, Benjamin W., assignor.)
Herring, Grace G., *et al.* (See Sturrock, George A., assignor.)
Herring, Henry H. (See Herring, John L., assignor.)
Herring, John L., assignor of one-half to H. H. Herring, Irwin, Pa. Computing-machine. No. 1,263,244; Apr. 16; v. 249; p. 694.
Herring, R. E., *et al.* (See Sturrock, George A., assignor.)
Herrington, John A. D. (See Hulsey and Herrington.)
Herrington, William M., Telluride, Colo. Sash-lock. No. 1,266,804; May 21; v. 250; p. 594.
Herrmann, Aukam & Co. (See Allatt, Thomas, assignor.)
Herrmann, Aukam & Co. (See Leathem, James, assignor.)
Herrmann, Emil, East Orange, N. J. High chair. No. 1,280,464; Oct. 1; v. 255; p. 97.
Herrmann, E. F. (See Hood, Harry H., assignor.)
Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J.; said Tucker assignor to said Herrmann. Barrel. No. 1,281,568; Oct. 15; v. 255; p. 457.
Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J.; said Tucker assignor to said Herrmann. Barrel. No. 1,286,628; Dec. 3; v. 257; p. 109.
Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J.; said Tucker assignor to said Herrmann. Barrel. No. 1,287,019; Dec. 10; v. 257; p. 239.

Herrmann, Willi, Berlin-Schöneberg, and O. Stritter, Lichtenrade, Germany. Telephone system. No. 1,259,862; Mar. 19; v. 248; p. 621.
Herrmann, Wm. H. (See Kerr, George C., assignor.)
Herron, George A., Pembroke, Ontario, Canada. Hame and neck-yoke attachment. No. 1,262,947; Apr. 16; v. 249; p. 610.
Herron, Harry A., Hardin, Ill. Mattock. No. 1,280,465; Oct. 1; v. 255; p. 97.
Herron, John, Marquette, Mich. Locomotive-smoke-box trap-door. No. 1,287,310; Dec. 10; v. 257; p. 312.
Hersee, Frederick C., *et al.* (See Arnold, George A., assignor.)
Hersee, Frederick C., Boston, Mass. Timer. No. 1,264,933; May 7; v. 250; p. 16.
Hersey, Maxim H., Amhurst Park, assignor to The Convex Incandescent Mantle Company Limited, Covent Garden, London, England. Burning off, seasoning, and hardening incandescent gas-mantles. No. 1,274,414; Aug. 6; v. 253; p. 20.
Hersh & Brother. (See Hersh, Harvey E., assignor.)
Hersh, Charles S., and C. J. O'Connor, Philadelphia, Pa. Non-refillable bottle. No. 1,257,228; Feb. 19; v. 247; p. 694.
Hersh, Harvey E., assignor to Hersh & Brother, Allentown, Pa. Mechanism for operating swinging sashes. No. 1,254,628; Jan. 22; v. 246; p. 1005.
Hershberger, Louis S., Smithsburg, Md. Telephone-disinfector. No. 1,279,342; Sept. 17; v. 254; p. 598.
Hershell-Spillman Co. (See Cramer, George H., assignor.)
Hershey, Charles M., Shamokin, Pa. Comptometer. No. 1,280,466; Oct. 1; v. 255; p. 97.
Hershey, Christian W., Reading, Pa. Flue-cleaning mechanism. No. 1,257,485; Feb. 26; v. 247; p. 805.
Hershey, Harry E. (See Yanochowski and Hershey.)
Hershey, Harry E., White Water, Kans., assignor to Automatic Electric Company, Chicago, Ill. Automatic district telephone system. No. 1,283,182; Oct. 29; v. 255; p. 964.
Hershey, Harry E., White Water, Kans., and G. A. Yanochowski, assignors to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,264,183; Apr. 30; v. 249; p. 1005.
Hershey, Harry E., White Water, Kans., and G. A. Yanochowski, assignors to Automatic Electric Company, Chicago, Ill. Party-line automatic telephone system. No. 1,287,992; Dec. 17; v. 257; p. 513.
Hershman, Paul R., assignor, by mesne assignments, to Armour Fertilizer Works, Chicago, Ill. Production of ammonia. No. 1,261,526; Apr. 2; v. 249; p. 152.
Hershman, Paul R., Chicago, Ill., assignor to The Mineral Products Company, New York, N. Y. Reduction of metallic oxids. No. 1,273,220; July 23; v. 252; p. 777.
Herskovitz, Max, Chicago, Ill. Hanger for light-reflecting bowls. No. 1,262,046; Apr. 9; v. 249; p. 328.
Hert, Samuel N., Toledo, Ohio, assignor to Toledo Scale Company, Jersey City, N. J. Weighing-scale. No. 1,267,549; May 28; v. 250; p. 827.
Herthel, Arthur C., Dayton, Ohio. Balanced crank-shaft. No. 1,261,527; Apr. 2; v. 249; p. 152.
Hertle, Charles, Astoria, N. Y. Tool-maker's square. No. 1,286,312; Dec. 3; v. 257; p. 31.
Hertle, Charles, Astoria, N. Y. Tool-maker's gage. No. 1,286,313; Dec. 3; v. 257; p. 31.
Hertle, Charles, Astoria, N. Y. Tool-maker's clamp. No. 1,286,314; Dec. 3; v. 257; p. 32.
Hertline, Louis J., Brooklyn, N. Y. Producing printing-plates. No. 1,276,697; Aug. 20; v. 253; p. 713.
Hertner, John H. (See Cookingham and Hertner.)
Hertz, Monfred, New York, N. Y., assignor to American Buckle Co. Belt watch-hanger. No. 1,260,539; Mar. 26; v. 248; p. 851.
Hertz, Morris M., *et al.* (See Fey, Robert E., assignor.)
Hervey, Barber & McKee. (See Cochrane, Albert P., assignor.)
Hervey, David F., Logansport, Ind. Puncture-proof tire. No. 1,289,463; Dec. 31; v. 257; p. 924.
Hervig, Richard, Chicago, Ill., assignor to American Car and Foundry Company, St. Louis, Mo. Lathe attachment. No. 1,256,131; Feb. 12; v. 247; p. 336.
Herwehe, Frederick A., Monroe, Iowa. Electrical generating system. No. 1,274,545; Aug. 6; v. 253; p. 59.
Herz, Alfred. (See Schweitzer and Herz.)
Herzog, Herman, Jr., Gainesville, Fla. Charge-heating attachment. No. 1,261,387; Apr. 2; v. 249; p. 113.
Herzog, John, Saginaw, Mich Joint for furniture. No. 1,282,830; Oct. 29; v. 255; p. 868.
Herzog, John, Saginaw, Mich. Hinge. No. 1,284,333; Nov. 12; v 256; p. 265.
Herzog, John, Saginaw, Mich. Knock-down furniture. No. 1,286,629; Dec. 3; v. 257; p. 109.
Herzog, Joseph J., and W. M. Medlock, Mobile, Ala. Centrifugal governor. No. 1,275,026; Aug. 6; v. 253; p. 194.
Herzog, Soma, New York, N. Y. Hobby-horse. No. 1,252,693; Jan. 8; v. 246; p. 396.
Herzog, Soma, assignor to Universal Bottle Closure Co., Inc., New York, N. Y. Bottle-closure. No. 1,279,343; Sept. 17; v. 254; p. 599.
Hess, Alvin E., Bloomsburg, Pa. Railway-tie. No. 1,277,930; Sept. 3; v. 254; p. 164.
Hess, Blanch I. (See Hess, Clyde W., assignor.)
Hess-Bright Manufacturing Company, The. (See Gray and Runge, assignors.)
Hess, Clyde W., assignor of one-half to B. I. Hess, Elizabeth, N. J. Grenade-thrower. No. 1,274,882; Aug. 6; v. 253; p. 155.
Hess, Earl F., Jamison City, Pa. Mechanical walking toy. No. 1,261,528; Apr. 2; v. 249; p. 152.
Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,267,769; May 28; v. 250; p. 889.
Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. J. Platen and pressure feed means. No. 1,270,292; June 25; v. 251; p. 692.
Hess, Edward B., Brooklyn, N. Y. Wind-shield for automobiles. No. 1,278,065; Sept. 3; v. 254; p. 200.
Hess, George H., La Grange Park, Ill. Apparatus for treating to an impregnating fluid, particles of non-uniform moisture content. No. 1,265,330; May 7; v. 250; p. 125.
Hess, Harry H., assignor to Vapor-Vacuum Heating Co., Philadelphia, Pa. Vapor-vacuum-controller valve. No. 1,288,887; Dec. 24; v. 257; p. 757.
Hess, Harry W., Providence, R. I. Lens. No. 1,258,006; Mar. 5; v. 248; p. 17.
Hess, Harry W., Providence, R. I. Reflector. No. 1,258,217; Mar. 5; v. 248; p. 78.
Hess, Henry. (See Bonine, Charles E., assignor.)
Hess, Henry, Philadelphia, Pa. Coating articles. No. 1,252,005; Jan. 1; v. 246; p. 166.
Hess, Henry, Philadelphia, Pa. Pencil. No. 1,278,147; Sept. 10; v. 254; p. 247.
Hess, John J., Spokane, Wash., assignor to The P. & M. Company, Chicago, Ill. Railway appliance. No. 1,258,900; Mar. 12; v. 248; p. 315.
Hess, Michael, assignor to International Printing Co. of Indiana, Indianapolis, Ind. Clamp mechanism for box-forming machines. No. 1,272,440; July 16; v. 252; p. 533.
Hess, Simon B., New York, N. Y. Burglar-alarm system. No. 1,279,344; Sept. 17; v. 254; p. 599.
Hess, Wendell, Jr., assignor to W. & L. E. Gurley, Troy, N. Y. Water-stage recorder. No. 1,285,169; Nov. 19; v. 256; p. 514.
Hess, William. (See Brown and Hess.)
Hess, Willis C., Toledo, Ohio, and M. Morden, Brooklyn, N. Y. Carbureter. No. 1,257,862; Feb. 26; v. 247; p. 917.
Hesse Envelope & Litho Company. (See Bruninga, John H., assignor.)
Hesse, Joseph, Hartington, Nebr. Seed-corn drier. No. 1,258,217; Mar. 5; v. 248; p. 78.
Hesselbein, Fritz H., Minneapolis, Minn. Signaling device for motor-vehicles. No. 1,257,863; Feb. 26; v. 247; p. 917.
Hesser, Clarence A., Newbern, N. C. Logging-car. No. 1,252,435; Jan. 8; v. 246; p. 321.
Hession, Daniel F., assignor to Hession Tiller & Tractor Corporation, Detroit, Mich. Rotary tiller. No. 1,262,791; Apr. 16; v. 249; p. 566.
Hession, Daniel F., Springfield, Mass., assignor to Hession Tiller & Tractor Corporation, Detroit, Mich. Rotary tiller. No. 1,262,792; Apr. 16; v. 249; p. 567.
Hession Tiller & Tractor Corporation. (See Hession, Daniel F., assignor.)
Hessler, Holister E., Syracuse, N. Y. Washing-machine. No. 1,282,083; Oct. 22; v. 255; p. 635.
Hester, George C., assignor to Brasco Manufacturing Company, Chicago, Ill. Store-front construction. No. 1,263,245; Apr. 16; v. 249; p. 694.
Hester, George C., Chicago, Ill. Lubricating apparatus. No. 1,280,222; Oct. 1; v. 255; p. 30.
Hester, George C., assignor to Hester Manufacturing Company, Chicago, Ill. Corner-bar. No. 1,278,348; Sept. 10; v. 254; p. 300.
Hester Manufacturing Company. (See Hester, George C., assignor.)
Hester, Robert E., Westminster, Colo. Kettle-lid. No. 1,257,229; Feb. 19; v. 247; p. 694.
Hester, William D. (See Utsman, George W., assignor.)
Hettinger, Carl F., Boston, Mass. Filtering apparatus. No. 1,251,662; Jan. 1; v. 246; p. 66.
Hettrich, John, Lincoln, Nebr. Automobile driving-gear. No. 1,265,449; May 7; v. 250; p. 159.
Hettwer, Paul J., Milwaukee, Wis. Mattress and pillow rack. No. 1,266,943; May 21; v. 250; p. 632.
Hetzel, Frederic V., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Elevator. No. 1,266,262; May 14; v. 250; p. 414.
Heuer, Benjamin F., Sturgis, S. D. Metallic vessel. No. 1,263,765; Apr. 23; v. 249; p. 856.
Heuer, Benjamin O., Donnelly, Minn. Automobile-puller. No. 1,268,572; June 4; v. 251; p. 143.
Heuer, Harry D., St. Louis, Mo. Street-traffic-signal apparatus. No. 1,264,300; Apr. 30; v. 249; p. 1038.
Heuer, William, Wonewac, Wis. Twine-oiler. No. 1,269,604; June 18; v. 251; p. 479.
Heule, Everett J., and G. Graham, assignors to Webster Manufacturing Company, Superior, Wis. Tray attachment for high chairs. No. 1,270,029; June 18; v. 251; p. 596.

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Heusch, Edouard, Paris, France. Apparatus for the manufacture of needles. No. 1,259,982; Mar. 19; v. 248; p. 658.
Heuser, Herman, Chicago, Ill. Manufacture of dry extracts of partly-fermented beverages. No. 1,275,254; Aug. 13; v. 253; p. 282.
Heuser, Herman, Chicago, Ill. Apparatus for making alcohol reduced beverages. No. 1,277,931; Sept. 3; v. 254; p. 165.
Heuser, Herman, Chicago, Ill. Making alcohol-reduced beverages. No. 1,286,315; Dec. 3; v. 257; p. 32.
Heusser, Julius, St. Croix Falls, Wis. Chair attachment. No. 1,279,692; Sept. 24; v. 254; p. 720.
Heusser, Wilfrid, Salt Lake City, Utah. Mechanical pan-extractor for balances. No. 1,264,794; Apr. 30; v. 249; p. 1173.
Heusser, Wilfrid, Salt Lake City, Utah. Microdeflectometer. No. 1,278,148; Sept. 10; v. 254; p. 247.
Hewes, Murl, Grosmont, Alberta, Canada. Gun-sight. No. 1,257,000; Feb. 19; v. 247; p. 630.
Hewett, John E., assignor of one-half to W. J. Hutaff, Wilmington, N. C. Box. No. 1,277,313; Aug. 27; v. 253; p. 913.
Hewett, Robert J., Westfield, N. J. Signaling device. No. 1,287,993; Dec. 17; v. 257; p. 513.
Hewins, Edmund H., Sharon, Mass. Electrically-propelled vehicle. No. 1,279,867; Sept. 24; v. 254; p. 771.
Hewit, Lyman and N., Seville, Ohio. Corn-husker. No. 1,261,529; Apr. 2; v. 249; p. 152.
Hewit, Nick. (See Hewit, Lyman and N.)
Hewitt, Edward R., Midvale, N. J. Hydraulic brake for worm-drives for automobiles. No. 1,259,863; Mar. 19; v. 248; p. 622.
Hewitt, Edward R., Midvale, N. J. Tractor. No. 1,278,650; Sept. 10; v. 254; p. 382.
Hewitt, Edward R., Midvale, N. J., and A. H. Leipert, Brooklyn, assignors to International Motor Company, New York, N. Y. Motor. No. 1,282,831; Oct. 29; v. 255; p. 868.
Hewitt, Herbert H. (See Sill, Samuel J., assignor.)
Hewitt, Herbert H., Buffalo, N. Y. Car-truck. No. 1,259,624; Mar. 19; v. 248; p. 552.
Hewitt, Herbert H., Buffalo, N. Y. Car-truck. No. 1,264,184; Apr. 30; v. 249; p. 1005.
Hewitt, John C. (See Gossett and Hewitt.)
Hewitt, Peter C., Ringwood Manor, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Method of and apparatus for translating electrical variations. No. 1,262,490; Apr. 9; v. 249; p. 451.
Hewitt, Peter C., Ringwood Manor, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Method of and apparatus for translating electrical variations. No. 1,262,491; Apr. 9; v. 249; p. 452.
Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Apparatus for and method of translating electrical variations. No. 1,262,492; Apr. 9; v. 249; p. 452.
Hewitt, Peter C., Ringwood Manor, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric translating apparatus. No. 1,286,316; Dec. 3; v. 257; p. 32.
Hewitt, Peter C., Ringwood Manor, N. J. Electric translating apparatus. No. 1,286,882; Dec. 3; v. 257; p. 165.
Hewitt, Richard B., assignor to Thermo-Electro Starter Company, Detroit, Mich. Controlling system for explosive-engines. No. 1,252,694; Jan. 8; v. 246; p. 396.
Hewitt, William R., San Francisco, Cal. Steering-gear. No. 1,266,944; May 21; v. 250; p. 632.
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Switch. No. 1,275,918; Aug. 13; v. 253; p. 466.
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Disconnecting-switch. No. 1,275,919; Aug. 13; v. 253; p. 466.
Hey, David M., assignor to Vacuum Dyeing Machine Company, Chattanooga, Tenn. Dyeing apparatus. No. 1,254,006; Jan. 15; v. 246; p. 806.
Hey, William, *et al.* (See Marsh, Frederick, assignor.)
Heydenreich, Ernst, Niederschöneweide, near Berlin, assignor to Kunheim & Co. and Allgemeine Radiogen-Aktien-Gesellschaft, Berlin, Germany. Radioactive preparation. No. 1,285,704; Nov. 26; v. 256; p. 687.
Heyermans, Charles L., assignor of one-half to C. H. A. Edye, London, England. Supporting means for engines. No. 1,285,170; Nov. 19; v. 256; p. 514.
Heyl, Firm of Cornelius. (See Hintz, Ernst, assignor.)
Heyl & Patterson. (See Bickley, Ross M., assignor.)
Heylman, De Witt C., Portland, Oreg. Electric flat-iron. No. 1,284,104; Nov. 5; v. 256; p. 176.
Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Wheeled cultivator. No. 1,258,680; Mar. 12; v. 248; p. 252.
Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,258,681; Mar. 12; v. 248; p. 253.
Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Engine gang-plow. No. 1,262,948; Apr. 16; v. 249; p. 610.
Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,262,949; Apr. 16; v. 249; p. 611.
Heylman, Edward M., assignor to Oliver Chilled Plow Works South Bend, Ind. Plow. No. 1,262,950; Apr. 16; v. 249; p. 611.
Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Engine gang-plow. No. 1,284,675; Nov. 12; v. 256; p. 349.
Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,285,171; Nov. 19; v. 256; p. 515.
Heyman, Knut W., Stockholm, Sweden. Ball-bearing. No. 1,269,436; June 11; v. 251; p. 401.
Heyman, Michael, Cincinnati, Ohio. Necktie. No. 1,270,413; June 25; v. 251; p. 725.
Heyman, William, *et al.* (See Woods, Edward D., assignor.)
Heymann, Benjamin H. F., assignor to Multiplex Faucet Company, St. Louis, Mo. Coupling for faucets. No. 1,278,651; Sept. 10; v. 254; p. 382.
Heyn, Edmund C., Catonsville, Md., assignor to The B. V. D. Company, New York, N. Y. Undergarment. No. 1,280,027; Sept. 24; v. 254; p. 815.
Heyn, Edmund C., Catonsville, Md., assignor to The B. V. D. Company, New York, N. Y. Undergarment. No. 1,280,028; Sept. 24; v. 254; p. 816.
Heys, John J., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for molding leather. No. 1,271,315; July 2; v. 252; p. 158.
Heys, John J., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Gage mechanism. No. 1,286,317; Dec. 3; v. 257; p. 32.
Heyward, Julius H., Greenville, S. C. Type-writer desk. No. 1,283,513; Nov. 5; v. 256; p. 20.
Heyward, Thomas S., Bluffton, S. C. Life-buoy. No. 1,253,034; Jan. 8; v. 246; p. 497.
Heywood Brothers and Wakefield Company. (See Van Derveer, Clarence A., assignor.)
Heywood Brothers and Wakefield Company. (See Watkins, Edward G., assignor.)
Heywood Brothers and Wakefield Company. (See Watkins and Brown, assignors.)
Hiatt, Enos R., Winchester, assignor, by mesne assignments, to Imperial Electrical Co., Union City, Ind. Folding book-rest. No. 1,278,344; Sept. 10; v. 254; p. 300.
Hiatt, Enos R., Winchester, Ind., assignor, by mesne assignments, to Imperial Electrical Co., Union City, Ind. Record-book rest and liner. No. 1,278,345; Sept. 10; v. 254; p. 301.
Hiatt, Guy V., Attica, Ind. Combination shade and curtain hanger. No. 1,275,423; Aug. 13; v. 253; p. 328.
Hiatt, Stephen T., Jersey City, N. J., assignor to R. G. von Kökeritz & Co., New York, N. Y. Stuffing-box packing. No. 1,277,072; Aug. 27; v. 253; p. 850.
Hibbard, Edward R., Oak Park, assignor to Grip Nut Company, Chicago, Ill. Nut-lock. No. 1,261,232; Apr. 2; v. 249; p. 67.
Hibbard, Edward R., Oak Park, assignor to Grip Nut Company, Chicago, Ill. Manufacturing lock-nuts. No. 1,263,061; Apr. 16; v. 249; p. 644.
Hibbard, Edward R., Oak Park, assignor to Grip Nut Company, Chicago, Ill. Lock-nut. No. 1,266,263; May 14; v. 250; p. 414.
Hibbard, Frederick B., Philadelphia, Pa. Valve. No. 1,275,920; Aug. 13; v. 253; p. 466.
Hibbard, Frederick B., Philadelphia, Pa. Boiler. No. 1,282,832; Oct. 29; v. 255; p. 868.
Hibbard, John W. (See Smith, Friend W., Jr., assignor.)
Hibbard, Lawrence C., Los Angeles, Cal. Extension-table. No. 1,257,351; Feb. 26; v. 247; p. 766.
Hibbert, Harold, Pittsburgh, Pa. Manufacture of glycols. No. 1,270,759; June 25; v. 251; p. 818.
Hibbert, Harold, Pittsburgh, Pa. Solvent and producing same. No. 1,283,183; Oct. 29; v. 255; p. 964.
Hibbert, Harold, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Synthesis of organic condensation products. No. 1,261,811; Apr. 9; v. 249; p. 265.
Hibbert, Lammers R., Canutillo, Tex. Signal. No. 1,281,957; Oct. 15; v. 255; p. 561.
Hibbs, James V., Portland, Oreg. Cabinet ironing-board. No. 1,287,311; Dec. 10; v. 257; p. 313.
Hibi, Katsuharu, Tokyo, Japan. Internal-combustion engine. No. 1,264,518; Apr. 30; v. 249; p. 1099.
Hick, Harry J., Alliance, Ohio. Gas-engine. No. 1,285,998; Nov. 26; v. 256; p. 762.
Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,251,663; Jan. 1; v. 246; p. 67.
Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Hinge for filing-appliance cases. No. 1,253,376; Jan. 15; v. 246; p. 627.
Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Index-frame. No. 1,280,732; Oct. 8; v. 255; p. 197.
Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,251,521; Jan. 1; v. 246; p. 21.

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Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,253,375; Jan. 15; v. 246; p. 626.
Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,276,356; Aug. 20; v. 253; p. 619.
Hicke, Frederick H., La Crosse, Wis. Gage for liquid-containing tanks. No. 1,269,709; June 18; v. 251; p. 509.
Hicken, Benjamin E., Prairie Hill, Mo. Self-heating soldering-iron and torch. No. 1,262,047; Apr. 9; v. 249; p. 328.
Hickerson, Elmer E., McComb, Ohio. Nut-lock. No. 1,266,594; May 21; v. 250; p. 534.
Hickey, George N., Detroit, Mich., assignor to United States Airplane and Engine Company. Engine. No. 1,252,436; Jan. 8; v. 246; p. 321.
Hickey, Henry J., Fort Dodge, Iowa. Internal-combustion engine. No. 1,261,530; Apr. 2; v. 249; p. 153.
Hickey, James T., Raritan, and J. Schneider, Elizabeth, N. J. Switch. No. 1,285,172; Nov. 19; v. 256; p. 515.
Hickey, John H., San Francisco, Cal. Anti-overheating device. No. 1,280,029; Sept. 24; v. 254; p. 816.
Hickey, John P., assignor of one-fourth to F. W. Clausen, San Francisco, Cal. Method of percussion and apparatus therefor. No. 1,266,945; May 21; v. 250; p. 633.
Hickey, Joseph A., Philadelphia, Pa., assignor of one-half to F. Bancroft, Merchantsville, N. J. Manufacturing abrading-disks. No. 1,268,842; June 11; v. 251; p. 238.
Hickey, Leonard M., assignor to H. B. Burr, Milwaukee, Wis. Conduit reducer and connector. No. 1,287,587; Dec. 10; v. 257; p. 380.
Hickey and Schneider. (See Schneider, John, assignor.)
Hickey, Walter J., Oil City, La. Valve. No. 1,269,280; June 11; v. 251; p. 360.
Hickman, Otho. (See Ollom and Hickman.)
Hicks, Daniel L., Hicksville, N. Y. Demountable and interchangeable wheel for motor-cycles. No. 1,269,437; June 11; v. 251; p. 401.
Hicks, Elmer, Des Moines, Iowa. Sanitary non-freezing watering-fountain. No. 1,258,620; Mar. 5; v. 248; p. 197.
Hicks, Elmer M., Schenectady, N. Y. Brake and lock for sliding sashes. No. 1,283,514; Nov. 5; v. 256; p. 21.
Hicks, George C., Jr., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Packing system. No. 1,258,218; Mar. 5; v. 248; p. 78.
Hicks, George J., Saginaw, Mich., assignor to R. and O. Werner, Cannstatt, Wurttemberg, Germany. Apparatus for treating flour. No. 1,256,017; Feb. 12; v. 247; p. 302.
Hicks, George J., assignor to Werner & Pfleiderer Company, Saginaw, Mich. Molding-machine. No. 1,280,467; Oct. 1; v. 255; p. 97.
Hicks, James A., Atlanta, Ga. Fluid-pressure brake system. No. 1,259,737; Mar. 19; v. 248; p. 584.
Hicks, James A., Cincinnati, Ohio. Fluid-pressure brake system. No. 1,265,450; May 7; v. 250; p. 159.
Hicks, James A., Cincinnati, Ohio. Wringer safety device. No. 1,277,073; Aug. 27; v. 253; p. 850.
Hicks, James L., Doniphan, Mo. Swing. No. 1,260,671; Mar. 26; v. 248; p. 891.
Hicks, John, Edgeworth, Pa. Container. No. 1,272,951; July 16; v. 252; p. 678.
Hicks, John O., Levon, Fla. Vehicle-axle. No. 1,267,221; May 21; v. 250; p. 711.
Hicks, Linzy, assignor to Hicks Retinning Company, Omaha, Nebr. Heat-insulated container. No. 1,289,456; Dec. 31; v. 257; p. 923.
Hicks, Oscar H., and W. T. Russell, Chicago, Ill.; said Russell assignor to said Hicks. Wind-shield cleaner. No. 1,253,377; Jan. 15; v. 246; p. 627.
Hicks, Raye E., Merna, Nebr. Revoluble water-cooled valve and igniter for combustion-motors. No. 1,269,812; June 18; v. 251; p. 538.
Hicks Retinning Company. (See Hicks, Linzy, assignor.)
Hicks, Rex P., assignor, by mesne assignments, to Beeman Garden Tractor Company, Minneapolis, Minn. Traction-machine. No. 1,288,888; Dec. 24; v. 257; p. 757.
Hicks, Robert B., assignor to William E. Quimby, Inc., New York, N. Y. Pump control. No. 1,253,687; Jan. 15; v. 246; p. 716.
Hicks, William A., Chillicothe, Ill. Seed-planter. No. 1,280,468; Oct. 1; v. 255; p. 98.
Hicks, William M., Cranford, N. J., assignor to William S. Hicks' Sons, New York, N. Y. Pencil. No. 1,259,738; Mar. 19; v. 248; p. 584.
Hidden, George A. Coronado, assignor of one-third to E. S. Welch, San Diego, Cal. Safety-faucet. No. 1,254,594; Jan. 22; v. 246; p. 994.
Hieatzman, Arthur H., assignor of one-half to W. A. Snyder, Baltimore, Md. Grease-gun. No. 1,269,438; June 11; v. 251; p. 401.
Hifner, Ernest J., Lexington, assignor of one-tenth to D. W. Scott, Pine Grove, Ky., and three-fortieths to L. Shouse, Dr. E. Bradley, H. Yancey, and F. Hawkins. Carbureter for internal-combustion engines. No. 1,281,778; Oct. 15; v. 255; p. 513.
Higgin, Henry, and C. Traut, assignors to The Higgin Manufacturing Company, Newport, Ky. Screen for revolving windows. No. 1,273,221; July 23; v. 252; p. 777.
Higgin, Henry, and J. Haas, assignors to The Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 1,273,222; July 23; v. 252; p. 777.
Higgin Manufacturing Company, The. (See Higgin and Haas, assignors.)
Higgin Manufacturing Company, The. (See Higgin and Traut, assignors.)
Higginbotham, John, Van Alstyne, Tex. Butter-mold. No. 1,257,230; Feb. 19; v. 247; p. 695.
Higgins, George F., Melrose, Mass., assignor to Gem Stamped Steel Company. Fluid-gage and manufacturing the same. No. 1,277,584; Sept. 3; v. 254; p. 69.
Higgins, Elliott, Seattle, Wash. Show-case. No. 1,261,812; Apr. 9; v. 249; p. 265.
Higgins, Elmer E., Redcliff, Alberta, Canada. Dust pan and carrying box. No. 1,268,843; June 11; v. 251; p. 238.
Higgins, Foster L., Milo, Me. Writing-pad. No. 1,253,970; Jan. 15; v. 246; p. 795.
Higgins, Frank A., Bellevue, Ohio. Rotary engine. No. 1,261,128; Apr. 2; v. 249; p. 39.
Higgins, George H. (See Jennison and Higgins.)
Higgins, Harry A., Detroit, Mich. Rotary radiator. No. 1,260,194; Mar. 19; v. 248; p. 715.
Higgins, Horace M., Regina, Saskatchewan, Canada. Fastener. No. 1,281,958; Oct. 15; v. 255; p. 561.
Higgins, James W., Republic, Wash. Cutting apparatus. No. 1,280,223; Oct. 1; v. 255; p. 31.
Higgins, Joseph, Collbran, Ala. Folding receptacle. No. 1,277,585; Sept. 3; v. 254; p. 69.
Higgins, Joseph E., Grand Island, Nebr. Nose-mounting for eyeglasses. No. 1,283,764; Nov. 5; v. 256; p. 85.
Higgins, Robert A., Henderson, Colo. Aircraft. No. 1,271,896; July 9; v. 252; p. 352.
Higginson, Joseph. (See Arundel and Higginson.)
Higginson, Joseph, and H. Arundel, Stockport, England. Machine for producing milling-cutters. No. 1,268,007; May 28; v. 250; p. 956.
Higginson, Joseph, and H. Arundel, Stockport, England, assignors to Stewart Warner Speedometer Corporation, Chicago, Ill. Liquid-fuel-supply apparatus for internal-combustion engines. No. 1,270,157; June 18; v. 251; p. 630.
Higgs, John A., Roxbury, Mass. Collar-button. No. 1,278,927; Sept. 17; v. 254; p. 488.
Higgs, William A. (See Swan and Higgs.)
High Efficiency Motor Corporation. (See Rabsilber, William, assignor.)
High, Ernest F., Arrington, Kans. Disk harrow. No. 1,253,175; Jan. 8; v. 246; p. 537.
High, James P., Fairview, Okla. Air-moistening device. No. 1,277,586; Sept. 3, v. 254; p. 70.
High, Luther W. (See Perryclear, William E., assignor.)
High Speed Engine Corporation. (See Randolph, Leonard M., assignor.)
High, Webb C., Thackerville, Okla. Block for cotton-presses. No. 1,259,864; Mar. 19; v. 248; p. 622.
Highfield, John S., Kensington, London, assignor to Submersible & J-L Motors Limited, Southall, Eng and. Bearing submerged in water or other liquids. No. 1,286,630; Dec. 3; v. 257; p. 109.
Hight, Charles O., Sparta, Ga. Lathing-hatchet. No. 1,252,903; Jan. 8; v. 246; p. 455.
Highway Iron Products Company. (See Pearne and Joseph, assignors.)
Highway Tractor Company. (See Parrott, Bert R., assignor.)
Highway Trailer Company. (See Menhall and Clement, assignors.)
Higinbotham, Arthur O., assignor to C. B. Foster and Company, Worcester, Mass. Motor-vehicle. No. 1,265,912; May 14; v. 250; p. 317.
Higinbotham, Arthur O., assignor to C. B. Foster and Company, Worcester, Mass. Clutching mechanism. No. 1,281,368; Oct. 15; v. 255; p. 405.
Higley, Harvey V., Detroit, Mich., assignor, by mesne assignments, to The Isko Company, Chicago, Ill. Gas-measuring apparatus. No. 1,275,255; Aug. 13; v. 253; p. 282.
Higuchi, Shiro, Los Angeles, Cal. Sanitary telephone-transmitter cover. No. 1,260,380; Mar. 26; v. 248; p. 804.
Hilberry, John T., Lansdale, Pa. Ironing-table. No. 1,272,441; July 16; v. 252; p. 533.
Hilbert, John T. (See Clark, William, assignor.)
Hilbrands, Egge T., Greene, Iowa. Mail receiving and delivering apparatus. No. 1,267,664; May 28; v. 250; p. 859.
Hild, Frederic W., Denver, Colo. Motor-vehicle. No. 1,256,558; Feb. 19; v. 247; p. 499.
Hild, Frederic W., Denver, Colo. Dash-pot. No. 1,273,059; July 16; v. 252; p. 707.
Hildebrand, William R., Chicago, Ill. Filter. No. 1,273,608; July 23; v. 252; p. 881.
Hiley, William W., Fort Valley, Ga. Interchangeable draft-harness. No. 1,266,264; May 14; v. 250; p. 414.
Hilgeman, Carl F., J. C. Patterson, and C. E. Graham, Fort Wayne, Ind. Article-holder. No. 1,262,493; Apr. 9; v. 249; p. 452.
Hilger, Henry B., Fort Wayne, Ind. Phonograph-disk-record cabinet. No. 1,274,712; Aug. 6; v. 253; p. 107.
Hilgert, Mathew, New York, N. Y. Pneumatic action for player-pianos. No. 1,263,556; Apr. 23; v. 249; p. 801.

Hilker, Alexander W., Chicago, Ill. Piston-ring. No. 1,274,038; July 30; v. 252; p. 1036.
Hill, Arthur H., New York, N. Y. Folding tooth-brush. No. 1,266,465; May 14; v. 250; p. 467.
Hill, Arthur H., New York, N. Y. Ultra-distancing projectile. No. 1,275,686; Aug. 13; v. 253; p. 401.
Hill, Charles, assignor to L. C. Barnes, Denver, Colo. Ventilating hood-section. No. 1,283,765; Nov. 5; v. 256; p. 86.
Hill, Charles G., Baltimore county, Md. Razor-blotter. No. 1,284,676; Nov. 12; v. 256; p. 350.
Hill, Charles H., Lynn, Mass. Cushion and support for the feet. No. 1,271,468; July 2; v. 252; p. 199.
Hill, Charles H., Schenectady, N. Y., assignor to General Electric Company. Safety-stop for switches. No. 1,267,222; May 21; v. 250; p. 711.
Hill, Charles H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,271,316; July 2; v. 252; p. 159.
Hill, Charles L., Albert Lea, Minn. Time-computing device. No. 1,277,723; Sept. 3; v. 254; p. 109.
Hill, Clement V., Trenton, N. J. Ventilator. No. 1,268,973; June 11; v. 251; p. 274.
Hill, Dwight B., Bridgeport, Conn. Signal-horn. No. 1,277,587; Sept. 3; v. 254; p. 70.
Hill, Earl V., Chicago, Ill. Dust-counter. No. 1,274,415; Aug. 6; v. 253; p. 21.
Hill, Ebenezer, Norwalk, Conn. Air-compressor control. No. 1,262,667; Apr. 16; v. 249; p. 530.
Hill, Edward. (See Windau, Albert C., assignor.)
Hill, Elijah R., New Albany, Miss. Flush-tank valve. No. 1,257,231; Feb. 19; v. 247; p. 695.
Hill, Ernest G., Spokane, Wash. Spring-wheel. No. 1,256,018; Feb. 12; v. 247; p. 302.
Hill, Ernest R., East Orange, N. J. Automatic train-controlling system. No. 1,285,173; Nov. 19; v. 256; p. 515.
Hill, Felix W., and G. E. Williams, Proctor, Minn. Electrical speed transmission. No. 1,260,195; Mar. 19; v. 248; p. 716.
Hill, Frank M., and F. A. Hoyt, Denver, Colo. Lubricator. No. 1,262,793; Apr. 16; v. 249; p. 567.
Hill, Frank R., Keeler, assignor to W. W. Watterson, Bishop, Cal. Furnace. No. 1,283,515; Nov. 5; v. 256; p. 21.
Hill, George H., *et al.* (See Hulsey and Herrington, assignors.)
Hill, George H., Schenectady, N. Y., assignor to General Electric Company. Protective device for telephone-circuits. No. 1,267,223; May 21; v. 250; p. 711.
Hill, George H., Schenectady, N. Y., assignor to General Electric Company. Regenerative braking. No. 1,281,959; Oct. 15; v. 255; p. 562.
Hill, George R. (See Rook, William H., Jr., assignor.)
Hill, George R., Michigan City, Ind. Combination post-card and check. No. 1,264,795; Apr. 30; v. 249; p. 1174.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Safety device. No. 1,266,017; May 14; v. 250; p. 345.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Thread-holder. No. 1,269,082; June 11; v. 251; p. 304.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,269,710; June 18; v. 251; p. 509.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United State Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,276,357; Aug. 20; v. 253; p. 620.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,276,358; Aug. 20; v. 253; p. 620.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,276,359; Aug. 20; v. 253; p. 620.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,276,360; Aug. 20; v. 253; p. 621.
Hill, George S., Strafford, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Buttonhole-sewing machine. No. 1,277,588; Sept. 3; v. 254; p. 70.
Hill, Gilbert J., New York, N. Y. Beam-compass. No. 1,288,412; Dec. 17; v. 257; p. 613.
Hill, Harry G., White Salmon, Wash. Ladder-adjusting means. No. 1,266,466; May 14; v. 250; p. 467.
Hill, Irving. (See Broderick, George H., assignor.)
Hill, James B., Puente, Cal. Harrow. No. 1,272,260; July 9; v. 252; p. 456.
Hill, James H., Fort Worth, Tex. Motor-limbering stand. No. 1,256,559; Feb. 19; v. 247; p. 499.
Hill, James R., Indianapolis, Ind. Radiator-shield. No. 1,277,589; Sept. 3; v. 254; p. 71.
Hill, Jess D., Sulphur, Okla. Vehicle-wheel-rim scraper. No. 1,259,865; Mar. 19; v. 248; p. 622.
Hill, John E., Melrose Highlands, assignor of one-half to M. F. Cottrell, Brookline, Mass. Clothes-drier. No. 1,283,516; Nov. 5; v. 256; p. 21.
Hill, John F., Mayetta, Kans. Wire-stretcher. No. 1,285,174; Nov. 19; v. 256; p. 515.
Hill, John W., Fairview, Mont. Paper box. No. 1,253,193; Jan. 8; v. 246; p. 543.
Hill, Joseph, Toronto, Ontario, Canada. Internal-combustion engine. No. 1,265,913; May 14; v. 250; p. 317.
Hill, Joseph A., Sheffield, England. Knife-machine. No. 1,257,232; Feb. 19; v. 247; p. 695.
Hill, Joseph C., assignor of one-half to R. Freese, Aransas Pass, Tex. Adjustable rocker for baby-carriages. No. 1,269,605; June 18; v. 251; p. 479.
Hill, Laura H., Seattle, Wash. Life-raft. No. 1,283,766; Nov. 5; v. 256; p. 86.
Hill, Loy. (See Daniel, Wiley E., assignor.)
Hill, Morton S., Brooklyn, N. Y. Tool-holder. No. 1,270,158; June 18; v. 251; p. 630.
Hill, Moxley. (See Blumenberg, Moxley.)
Hill, Myron F., Boston, Mass., assignor of one-half to E. E. Clement, Washington, D. C. Telephone-exchange. No. 1,253,688; Jan. 15; v. 246; p. 717.
Hill Pump Valve Company, The. (See Belvel, Elijah R., assignor.)
Hill, Raymond H., Detroit, Mich. Universal boring-machine. No. 1,284,894; Nov. 12; v. 256; p. 405.
Hill, Robert R., New York, N. Y. Spark-plug. No. 1,255,880; Feb. 12; v. 247; p. 262.
Hill, Rollie C., Memphis, Tenn. Propeller. No. 1,287,690; Dec. 17; v. 257; p. 437.
Hill, Roy E., Pasadena, Cal. Paper-rack for bicycles. No. 1,280,030; Sept. 24; v. 254; p. 816.
Hill, Roy L., Chester, Pa., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Process of producing aromatic hydrocarbons. No. 1,269,439; June 11; v. 251; p. 402.
Hill, Rufus A. (See Caudle, Melven A., assignor.)
Hill, Sidney J., Minneapolis, Minn. Cord-fastener. No. 1,270,030; June 18; v. 251; p. 596.
Hill, Stirling B., Seattle, Wash. Air-compressor. No. 1,258,407; Mar. 5; v. 248; p. 133.
Hill, Thomas, Jersey City, N. J. Metallic building structure. No. 1,258,408; Mar. 5; v. 248; p. 133.
Hill, Thomas, Jersey City, N. J. Building structure. No. 1,258,409; Mar. 5; v. 248; p. 134.
Hill, Thomas, Jersey City, N. J. Building structure. No. 1,258,410; Mar. 5; v. 248; p. 135.
Hill, Thomas A. (See Sussman and Hill.)
Hill, Walter L., Wichita, Kans. Spark-plug. No. 1,270,521; June 25; v. 251; p. 756.
Hill, William H., East Tallahassee, Ala. Loom-tending apparatus. No. 1,262,494; Apr. 9; v. 249; p. 453.
Hillburg, Elmer V., McKees Rocks, Pa. Lever-lock. No. 1,256,132; Feb. 12; v. 247; p. 337.
Hillenbrand, William H., Richmond, Va. Acetylene-generator. No. 1,283,767; Nov. 5; v. 256; p. 86.
Hiller, Joseph L. Mattapoisett, Mass., assignor to Pennsylvania Crusher Company, New York, N. Y. Coal-breaker construction. No. 1,254,137; Jan. 22; v. 246; p. 865.
Hiller, Joseph L., Mattapoisett, Mass., assignor to Pennsylvania Crusher Company, New York, N. Y. Lifting and screening shelf for coal-breakers. No. 1,259,983; Mar. 19; v. 248; p. 658.
Hiller, Joseph L., Mattapoisett, Mass. Centrifugal apparatus. No. 1,280,469; Oct. 1; v. 255; p. 98.
Hiller, William R., South Brownsville, Pa. Nut-lock. No. 1,281,369; Oct. 15; v. 255; p. 405.
Hillerich, John A., Louisville, Ky. Centering device. No. 1,281,569; Oct. 15; v. 255; p. 457.
Hilliard Clutch and Machinery Company. (See Bruce and Dickens, assignors.)
Hilliard, John D., Glens Falls, N. Y. Salvage apparatus. No. 1,262,341; Apr. 9; v. 249; p. 409.
Hilliard, Walter A. (See Depew and Hilliard.)
Hilliker, Verner C., Calumet, Quebec, Canada. Lifting device. No. 1,274,546; Aug. 6; v. 253; p. 59.
Hillis, Donuil, Los Angeles, Cal. Wave-motor. No. 1,263,890; Apr. 23; v. 249; p. 892.
Hillman, Edward D., Larchmont, N. Y., assignor to B. A. Hegeman, Jr., North Plainfield, N. J. Hopper-car. No. 1,268,118; June 4; v. 251; p. 14.
Hillman, Emmie, San Antonio, Tex. Bed-cover holder. No. 1,283,184; Oct. 29; v. 255; p. 964.
Hillman, Herbert H., Grand Haven, Mich. Refrigerator. No. 1,272,804; July 16; v. 252; p. 637.
Hillman, Herbert H., assignor to Challenge Refrigerator Company, Grand Haven, Mich. Bracket. No. 1,278,928; Sept. 17; v. 254; p. 488.
Hillmann, Hans, Alton, Ill. Atomizing-nozzle for oil-burners. No. 1,283,768; Nov. 5; v. 256; p. 86.
Hills, Ernest E., Medina, Wis. Shoe-fastener. No. 1,277,417; Sept. 3; v. 254; p. 24.
Hills, Harry B., Riverton, N. J., assignor to Steward Davit & Equipment Corporation, New York, N. Y. Boat-detaching apparatus. No. 1,281,370; Oct. 15; v. 255; p. 405.
Hills, Harry B., Riverton, N. J., assignor to Steward Davit & Equipment Corporation, New York, N. Y. Boat-detaching apparatus. No. 1,287,994; Dec. 17; v. 257; p. 514.

Hills, Henry A., Grand Rapids, Mich. Condenser. No. 1,256,229; Feb. 12; v. 247; p. 367.
Hills, Henry A., Grand Rapids, Mich. Primer. No. 1,260,262; Mar. 19; v. 248; p. 735.
Hills, Henry A., Grand Rapids, Mich. Filter. No. 1,262,495; Apr. 9; v. 249; p. 453.
Hills, John H., and J. M. Mason, Philadelphia, Pa. Theft-detector for automobiles and other vehicles. No. 1,252,110; Jan. 1; v. 246; p. 196.
Hills, Reuben B., Northampton, Mass., assignor to The Haydenville Company, Haydenville, Mass. Faucet. No. 1,281,960; Oct. 15; v. 255; p. 562.
Hills, Sidney C., assignor to The Turner & Seymour Manufacturing Co., Torrington, Conn. Egg-beater. No. 1,273,486; July 23; v. 252; p. 847.
Hills, Sidney C., assignor to The Turner & Seymour Mfg. Co., Torrington, Conn. Bracket. No. 1,279,543; Sept. 24; v. 254; p. 676.
Hills, Sidney C., assignor to The Turner & Seymour Mfg. Co., Torrington, Conn. Locking device. No. 1,286,318; Dec. 3; v. 257; p. 32.
Hillyard, Grace T., Oakland, Cal. Educational appliance. No. 1,286,631; Dec. 3; v. 257; p. 110.
Hilton, Arthur E., assignor to R. Hoe and Co., New York, N. Y. Cutting mechanism. No. 1,273,368; July 23; v. 252; p. 815.
Hilton, Frank W., Philadelphia, Pa. Transferring and keeping fish alive. No. 1,285,999; Nov. 26; v. 256; p. 762.
Hilton, George A., assignor of one-half to L. E. Hecht, Irvington, N. J. Brush-hanger. No. 1,289,171; Dec. 31; v. 257; p. 851.
Hilton, Prince E., San Francisco, Cal. Traction-wheel. No. 1,259,098; Mar. 12; v. 248; p. 373.
Hilton, R. W. (See Catlin and Morrison, assignors.)
Hilton, Roland C., Keene, N. H., assignor to Hilton Universal Air Pump Company, Boston, Mass. Hose-coupling. No. 1,263,557; Apr. 23; v. 249; p. 802.
Hilton Universal Air Pump Company. (See Hilton, Roland C., assignor.)
Hilton, W. B., *et al.* (See Vennum, Clarence L., assignor.)
Hiltz, Lawson D., Marysville, New Brunswick, Canada. Blindstitch-tip for shoes. No. 1,273,487; July 23; v. 252; p. 848.
Hime, Clint T., Hindes, Tex. Pipe-Cutter. No. 1,256,799; Feb. 19; v. 247; p. 569.
Himebaugh, Clayton D., assignor to Sheffield Mfg. Co., Burr Oak, Mich. Hand-planter. No. 1,252,802; Jan. 8; v. 246; p. 427.
Himes, F. W., Jr., *et al.* (See Lober, George H., assignor.)
Himmel, Solomon. (See Hormes, William T., assignor.)
Himmel, Solomon. (See Miller, Andrew E., assignor.) (Reissue.)
Himmel, Solomon, Baltimore, Md. Display-rack. No. 1,282,576; Oct. 22; v. 255; p. 770.
Himmelberger, Richard W., Lebanon, Pa. Receptacle. No. 1,272,443; July 16; v. 252; p. 533.
Hinchcliffe, Charles W., Lawrence, Mass. Window-screen. No. 1,257,707; Feb. 26; v. 247; p. 871.
Hinchcliffe, John W., *et al.* (See Humphries, William L., assignor.)
Hincher, Otis R., assignor to Puget Sound Paper Box Co., Seattle, Wash. Paper-box machine. No. 1,287,312; Dec. 10; v. 257; p. 313.
Hinchliff, William E., assignor to Burson Manufacturing Company, Rockford, Ill. Hosiery. No. 1,262,668; Apr. 16; v. 249; p. 531.
Hinckley, Frank C. (See Woods and Hinckley.)
Hinckley, Frank C., and J. Graham, assignors to American Graphophone Company, Bridgeport, Conn. Duplex graphophone. No. 1,276,759; Aug. 27; v. 253; p. 767.
Hind, Robert R. (See Armstrong and Hind.)
Hind, Robert R., Honolulu, Hawaii. Rotary cutter. No. 1,273,488; July 23; v. 252; p. 848.
Hindee Manufacturing Company. (See Jacobson, Edward B., assignor.)
Hindley, Harold D. (See Hindley and Stanford.)
Hindley, Joseph. (See Lindberg and Hindley.)
Hindley, Leonard A. and H. D., and W. Stanford, Bourton, England; said Stanford assignor to said Leonard A. and said H. D. Hindley. Manufacture of horseshoes. No. 1,269,813; June 18; v. 251; p. 539.
Hindman, Isaiah E., Bellevue, and John Van Hamersveld, Avalon, assignors to The Duff Manufacturing Company, North Side, Pittsburgh, Pa. Controlling device for jacks. No. 1,261,531; Apr. 2; v. 249; p. 153.
Hines, G. W. (See Campbell, William B., assignor.)
Hinds, George N., Marion, Ohio. Coin-separating device. No. 1,275,155; Aug. 6; v. 253; p. 229.
Hinds, Melvin B., Medford, and H. A. Skinner, Malden, Mass.; said Skinner assignor to said Hinds. Coin stacking and packing device. No. 1,280,031; Sept. 24; v. 254; p. 816.
Hinds, Sherwood, Fort Wayne, Ind. Pump-inclosing casing. No. 1,274,039; July 30; v. 252; p. 1036.
Hine, Samuel K., *et al.* (See McCormick, Oscar C., assignor.)
Hines, John J., Halifax, Nova Scotia, Canada. Projectile. No. 1,288,889; Dec. 24; v. 257; p. 757.
Hines, John S., Portland, Ind. Vehicle-wheel. No. 1,288,890; Dec. 24; v. 257; p. 758.
Hinegardner, Francis G., F. B. Millard, and D. W. Bowman, Toledo, Iowa, assignors of one-half to said Hinegardner and one-half to said Millard and Bowman. Sleigh-knee. No. 1,280,224; Oct. 1; v. 255; p. 31.
Hines, Floyd O., and W. Mills, Milan, Ohio; said Mills assignor to said Hines. Lamp-burner. No. 1,267,072; May 21; v. 250; p. 668.
Hines, James F., Cleveland, assignor of one-third to J. M. Sarver, and one-third to J. K. Bye, Columbus, Ohio. Curtain-pole. No. 1,278,346; Sept. 10; v. 254; p. 301.
Hines, James F., Cleveland, assignor of one-third to J. M. Sarver, and one-third to J. K. Bye, Columbus, Ohio. Curtain-pole. No. 1,278,347; Sept. 10; v. 254; p. 301.
Hines, James F., Cleveland, assignor of one-third to J. M. Sarver and one-third to J. K. Bye, Columbus, Ohio. Curtain-pole. No. 1,278,348; Sept. 10; v. 254; p. 301.
Hines, James P., Bethlehem, Pa. Table. No. 1,278,929; Sept. 17; v. 254; p. 488.
Hines, Martin, Brooklyn, N. Y. Flying-machine. No. 1,276,760; Aug. 27; v. 253; p. 767.
Hines, Thomas C., Ripley, Miss. Boll-weevil catcher. No. 1,253,176; Jan. 8; v. 246; p. 538.
Hiniker, Benjamin F., Taft, Cal. Internal rotary spider. No. 1,273,858; July 30; v. 252; p. 985.
Hinkle, Andrew J., Whitesville, Ind. Rake. No. 1,276,915; Aug. 27; v. 253; p. 807.
Hinkle, Ethan C., J. C., and W. A., Loretto, Nebr. Spreader. No. 1,259,739; Mar. 19; v. 248; p. 584.
Hinkle, Francis M. (See Fencl and Hinkle.)
Hinkle, Jacob C. (See Hinkle, Ethan C., J. C., and W. A.)
Hinkle, Walter F., Chicago, Ill. Calipers. No. 1,285,175; Nov. 19; v. 256; p. 515.
Hinkle, William A. (See Hinkle, Ethan C., J. C., and W. A.)
Hinkler, Bert, North Bundaberg, Queensland, Australia, assignor of one-half to C. C. Dean, Montrose, London, England. Duplicate controlling means applicable to aeroplanes. No. 1,277,590; Sept. 3; v. 254; p. 71.
Hinman, Arthur V. and R. L., Oneida, N. Y. Milking-machine. No. 1,265,914; May 14; v. 250; p. 317.
Hinman, Clifford I. (See Blumenberg, Henry, assignor.)
Hinman, Ralph L. (See Hinman, Arthur V. and R. L.)
Hinners, Frank E., Milwaukee, Wis. Converter-lining. No. 1,272,442; July 16; v. 252; p. 533.
Hino, Seth M., Lander, Wyo. Wind-shield. No. 1,255,094; Jan. 29; v. 246; p. 1169.
Hinrichsen, Edward E., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,254,691; Jan. 29; v. 246; p. 1052.
Hinrichsen, Edward E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,262,496; Apr. 9; v. 249; p. 453.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,271,897; July 9; v. 252; p. 352.
Hinrichsen, Edward E., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,276,761; Aug. 27; v. 253; p. 768.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,277,418; Sept. 3; v. 254; p. 24.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,289,467; Dec. 31; v. 257; p. 925.
Hinsch, Johannes, Spandau, near Berlin, assignor to Siemens Schuckertwerke G. m. b. H., Berlin, Germany. Rotary pump. No. 1,287,020; Dec. 10; v. 257; p. 239.
Hinsdale, Winfield E., assignor to Trenton Potteries Company, Trenton, N. J. Standard or support for lavatories and the like. No. 1,284,677; Nov. 12; v. 256; p. 350.
Hinson, James, Orange, Tex. Ring-mandrel. No. 1,264,519; Apr. 30; v. 249; p. 1099.
Hinton, Edward, Auckland, New Zealand. Drawing-board. No. 1,288,584; Dec. 24; v. 257; p. 684.
Hintz, Ernst, Wiesbaden, assignor to Firm C. Heyl, Worms, Germany. Drying varnished patent-leather. No. 1,269,931; June 18; v. 251; p. 569.
Hipsher, Mack F., Idol, Tenn. Hook-and-eye clevis. No. 1,253,971; Jan. 15; v. 246; p. 796.
Hipwell, Harry H. and H. T., Pittsburgh, Pa. Grease-gun. No. 1,261,933; Apr. 9; v. 249; p. 297.
Hipwell, Harry T. (See Hipwell, Harry H. and H. T.)
Hipwell, John W., Maywood, and L. M. Hopkins, assignors, by mesne assignments, of one-half to said Hipwell and one-half to L. A. Kohn, Chicago, Ill. Apparatus for receiving bank-deposits. No. 1,259,399; Mar. 12; v. 248; p. 457.
Hirasawa, George G., Ogallala, Nebr. Beet-harvester. No. 1,261,233; Apr. 2; v. 249; p. 67.
Hirmer, Andrew M., Millvale, Pa. Flying-machine. No. 1,252,904; Jan. 8; v. 246; p. 455.
Hirning, Wilhelm, Rupert, Idaho. Beet-harvesting machine. No. 1,251,664; Jan. 1; v. 246; p. 67.
Hironimus, Fred W., Mount Vernon, Ind., assignor of one-third to R. Topper and one-third to G. Mauer. Combined tractor, roller, and harrow. No. 1,255,420; Feb. 5; v. 247; p. 89.
Hirose, Yoshisuke, Berkeley, Cal. Step-ladder. No. 1,251,776; Jan. 1; v. 246; p. 100.

Hirota, Hyakutaro, Los Angeles, Cal. Massage device. No. 1,262,669; Apr. 16; v. 249; p. 531.
Hirota, Hyakutaro, Los Angeles, Cal. Massage device. No. 1,268,573; June 4; v. 251; p. 143.
Hirota, Kiyoshi, Thomas, Wash. Hull construction for vessels. No. 1,289,760; Dec. 31; v. 257; p. 996.
Hirsch, Alcan and M., New York, N. Y., assignors to Alpha Manufacturing Company. Making metallic cerium and the like. No. 1,273,223; July 23; v. 252; p. 777.
Hirsch, Alcan and M., New York, N. Y., assignors to Alpha Products Company, Inc. Making castings of rare-earth metals and their alloys. No. 1,290,010; Dec. 31; v. 257; p. 1058.
Hirsch, Alcan and M., New York, N. Y., assignors to Alpha Products Company, Inc. Making castings of rare-earth metals and their alloys. No. 1,290,011; Dec. 31; v. 257; p. 1058.
Hirsch, Jerome, New Orleans, La. Ice-cream freezer. No. 1,268,713; June 4; v. 251; p. 182.
Hirsch, Marx. (See Hirsch, Alcan and M.)
Hirsch, Morris L. (See Danielson and Hirsch.)
Hirsch, William A., Avalon, Pa. Expanding metal core. No. 1,276,654; Aug. 20; v. 253; p. 702.
Hirsch, Walter J. (See McCarthy, Edward F., assignor.)
Hirschman, William F., Buffalo, N. Y. Apparatus for loading and unloading bake-ovens. No. 1,283,185; Oct. 29; v. 255; p. 964.
Hirsh, Leo, assignor of one-half to R. J. Chamberlain, Chillicothe, Mo. Electric riveting-tool. No. 1,251,665; Jan. 1; v. 246; p. 67.
Hirst, John A., assignor of one-half to S. L. Hirst, Beeville, Tex. Hog-crate. No. 1,263,246; Apr. 16; v. 249; p. 694.
Hirst, Samuel L. (See Hirst, John A., assignor.)
Hirt, Leon E., Charleston, W. Va. Manufacture of carbon or lampblack. No. 1,264,796; Apr. 30; v. 249; p. 1174.
Hirth, Albert, Stuttgart-Cannstatt, Germany. Drying apparatus. No. 1,266,946; May 21; v. 250; p. 633.
Hisey-Wolf Machine Company, The. (See Ritz, Emil, Jr., assignor.)
Hiss, Fielder I., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Field-coil support. No. 1,253,242; Jan. 15; v. 246; p. 585.
Histed, George B., Rochester, N. Y. Photographic camera. No. 1,285,176; Nov. 19; v. 256; p. 516.
Hitch, Mayhew R. (See Lacroix, Joseph, assignor.)
Hitchcock, Charles F., Berkeley, Cal. Flexible tractor-tread. No. 1,253,378; Jan. 15; v. 246; p. 627.
Hitchcock, Edward W., Walden, Colo. Egg-shipping crate. No. 1,266,805; May 21; v. 250; p. 594.
Hitchcock, Ella M., Los Angeles, Cal. Supporter-fastener. No. 1,273,369; July 23; v. 252; p. 816.
Hitchcock, Ervin H., assignor of one-half to G. A. Dukelow, Wabun, New Ontario, Canada. Combined seeder and fertilizer-distributer. No. 1,269,814; June 18; v. 251; p. 539.
Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.)
Hitchcock, George E., assignor of one-third to M. Brown, Flint, Mich. Auto and screen door latch. No. 1,265,915; May 14; v. 250; p. 318.
Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company. Manufacture of glass plates or sheets. (Reissue.) No. 14,468; May 7; v. 250; p. 232.
Hitchcock, Halbert K., Tarentum, Pa., assignor of one-half to Hitchcock Experiment Company. Feeding glass. No. 1,275,424; Aug. 13; v. 253; p. 328.
Hitchcock, Halbert K., Pittsburgh, Pa. Apparatus for applying abrasives to grinding-machines. No. 1,281,371; Oct. 15; v. 255; p. 405.
Hitchcock, Joseph F., Rochester, N. Y. Stop mechanism. No. 1,268,008; May 28; v. 250; p. 957.
Hitchcock, Lewis H., Knoxville, Tenn. Wall-paper machine. No. 1,274,040; July 30; v. 252; p. 1037.
Hitchcock, Ray W., Cody, Nebr. Printer's chase-lock-up device. No. 1,282,577; Oct. 22; v. 255; p. 770.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Folding-machine. No. 1,273,609; July 23; v. 252; p. 881.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Folding-machine. No. 1,275,425; Aug. 13; v. 253; p. 329.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-folding machine. No. 1,285,705; Nov. 26; v. 256; p. 688.
Hitchcock, Rex B., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Thresher. No. 1,261,813; Apr. 9; v. 249; p. 265.
Hite, Samuel, Atwood, Ind. Tank-heater. No. 1,256,560; Feb. 19; v. 247; p. 500.
Hitt, Reed R., Energy, assignor to J. J. Urquhart, G. W. McClellan, and H. B. Johnson, San Saba, Tex. Boll-weevil catcher. No. 1,267,224; May 21; v. 250; p. 712.
Hitt, Thomas G., Seattle, Wash. Fire-cracker. No. 1,253,596; Jan. 15; v. 246; p. 689.
Hitt, Thomas G., Seattle, Wash. Fire-cracker. No. 1,253,597; Jan. 15; v. 246; p. 689.
Hitt, Thomas G., Seattle, Wash. Burglar-alarm. No. 1,256,318; Feb. 12; v. 247; p. 392.
Hitt, Thomas G., Seattle, Wash. Electrolytic cell. No. 1,256,319; Feb. 12; v. 247; p. 393.
Hitzeman, Malinda, Fort Wayne, Ind. Closed undergarment. No. 1,277,074; Aug. 27; v. 253; p. 851.
Hively, Charles A., assignor of one-third to J. H. Greer and one-third to C. A. Hendsch, Coalinga, Cal. Sucker-rod, tubing, and casing elevator. No. 1,288,585; Dec. 24; v. 257; p. 685.
Hix, Alfred G. O., Los Angeles, Cal. Combination inside and outside micrometer-calipers. No. 1,269,932; June 18; v. 251; p. 569.
Hixon, Joseph E., Chicago, Ill. Boiler-washing device. No. 1,288,586; Dec. 24; v. 257; p. 685.
Hixson, Roy P., East Lansdowne, Pa. Binder device. No. 1,257,001; Feb. 19; v. 247; p. 630.
Hjermstad, Martin M., Kenyon, Minn. Anchoring device. No. 1,268,459; June 4; v. 251; p. 112.
Hjort, Vilhelm. (See Lassen and Hjort.)
Hlavaty, Rudolf F., assignor of one-half to J. Kanta, Chicago, Ill. Mechanism for converting motion. No. 1,275,248; Aug. 13; v. 253; p. 280.
Hlavaty, Rudolf F., assignor of one-half to J. Kanta, Chicago, Ill. Finding and focusing means. No. 1,275,249; Aug. 13; v. 253; p. 281.
Hlustik, Mike, South Brownsville, Pa. Bayonet-projector. No. 1,265,780; May 14; v. 250; p. 278.
Hoag, Samuel W., *et al.* (See Hutsell, Thomas A., assignor.)
Hoagland, Dorse E. (See Mix, Philip J., assignor.)
Hoard, Halbert L., Fort Atkinson, Wis. Massage appliance. No. 1,265,083; May 7; v. 250; p. 60.
Hobart, C. A. (See Bower, Thomas F., assignor.)
Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Oil-engine-feeding device. No. 1,275,426; Aug. 13; v. 253; p. 329.
Hobart, Franklin G., and C. B. Jahnke, Beloit, Wis., assignors to Fairbanks, Morse & Company, Chicago, Ill. Lubricator. No. 1,275,427; Aug. 13; v. 253; p. 329.
Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Electrical system of ship propulsion. No. 1,262,497; Apr. 9; v. 249; p. 454.
Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. No. 1,273,782; July 23; v. 252; p. 925.
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hobart Manufacturing Company, The. (See Rataiczak and Johnston, assignors.)
Hobart, Valenteen A., Spokane, Wash. Size-stick. No. 1,283,409; Oct. 29; v. 255; p. 1024.
Hobbs, Edward W., Surrey, England. Artificial arm and hand and actuating means therefor. No. 1,253,823; Jan. 15; v. 246; p. 755.
Hobbs, Edward W., Balham, England. Artificial arm. No. 1,275,027; Aug. 6; v. 253; p. 194.
Hobbs, James W., Burkburnett, Tex. Vacuum-regulator for oil-pumps. No. 1,259,235; Mar. 12; v. 248; p. 409.
Hobbs Manufacturing Company. (See Copeland, Eugene A., assignor.)
Hobbs, Willis F., and C. W. Gibbs, assignors to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Means for locking tool-shanks and ferrules to handles. No. 1,253,379; Jan. 15; v. 246; p. 628.
Hobbs, Willis F., Bridgeport, Conn. Self-fastening ferrule for tool-handles. No. 1,272,042; July 9; v. 252; p. 395.
Hobdell, Frederick W., Darby, Pa. Rope-clamp. No. 1,278,930; Sept. 17; v. 254; p. 488.
Hoberg, Frank H., Green Bay, Wis. Paper-feeding cabinet. No. 1,263,669; Apr. 23; v. 249; p. 832.
Hoberg, Frank H., Green Bay, Wis. Paper-pulp machine. No. 1,274,041; July 30; v. 252; p. 1037.
Hobert, Clayton, Philadelphia, Pa. Mattress. No. 1,276,361; Aug. 20; v. 253; p. 621.
Hobile, Anton S., *et al.* (See Schlattau, Frank, assignor.)
Hobson, Charles E., Fremont, Iowa. Window-shade. No. 1,281,006; Oct. 8; v. 255; p. 271.
Hobson, George, Regina, Saskatchewan, Canada. Grain-box. No. 1,289,172; Dec. 31; v. 257; p. 851.
Hoch, Delton I., Columbus, Ohio. Oil-burner. No. 1,268,009; May 28; v. 250; p. 957.
Hoch, Otto M. (See Hawkins and Hoch.)
Hochberger, John, assignor to L. J. Hochberger, Chicago, Ill. Attaching means for bibs. No. 1,273,859; July 30; v. 252; p. 985.
Hochberger, Lillian J. (See Hochberger, John, assignor.)
Hochriem, Gustav F. (See Paupa and Hochriem.)
Hochstadter, Harry C., Philadelphia, Pa. Dental-floss holder. No. 1,257,864; Feb. 26; v. 247; p. 917.
Hochstetter, Frederick W., and E. H. Pryce, New York, N. Y., assignors to H. P. Patents and Processes Company, Inc. Cinematographic device. No. 1,255,421; Feb. 5; v. 247; p. 89.
Hochstein, Alfred P., assignor of one-third to G. J. Campbell, Pittsburgh, Pa. Clamping mechanism for sawing-machines and the like. No. 1,281,161; Oct. 8; v. 255; p. 316.
Hochstein, Alfred P., assignor of one-half to E. J. Dalton, Pittsburgh, Pa. Magnifying-glass. No. 1,285,177; Nov. 19; v. 256; p. 516.
Hock, Edward C., Buffalo, N. Y. Smoke-preventing boiler-furnace. No. 1,260,196; Mar. 19; v. 248; p. 716.

Hock, Edward C., Buffalo, N. Y. Smoke-consuming attachment for furnaces. No. 1,285,178; Nov. 19; v. 256; p. 517.
Hockett, Walter E., assignor to Rice Manufacturing Co., Indianapolis, Ind. Broom construction. No. 1,254,138; Jan. 22; v. 246; p. 865.
Hocking, Alfred, Honolulu, Hawaii. Machine for cutting sugar-cane in the field. No. 1,259,400; Mar. 12; v. 248; p. 458.
Hodaly, Emerick, Bakersfield, Cal. Broom. No. 1,283,410; Oct. 29; v. 255; p. 1024.
Hodde, Jacob H., and O. White, assignors to Sangamo Electric Company, Springfield, Ill. Polyphase watt-hour meter. No. 1,260,381; Mar. 26; v. 248; p. 804.
Hoddenbach, Andrew, Denver, Colo. Culinary utensil. No. 1,282,230; Oct. 22; v. 255; p. 676.
Hodge, Arthur J., Long Beach, assignor to C. Vaughn, Pasadena, Cal. Packing-box. No. 1,258,901; Mar. 12; v. 248; p. 315.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Barrel-head seal. No. 1,265,656; May 7; v. 250; p. 212.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Barrel-head and seal. No. 1,265,657; May 7; v. 250; p. 212.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Head for barrels and the like. No. 1,265,658; May 7; v. 250; p. 213.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Head for barrels and the like. No. 1,268,460; June 4; v. 251; p. 112.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Barrel-head seal. No. 1,268,461; June 4; v. 251; p. 112.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to The American Products Company, St. Louis, Mo. Head for barrels and the like. No. 1,276,362; Aug. 20; v. 253; p. 621.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to The American Products Company, St. Louis, Mo. Head for barrels and the like. No. 1,276,363; Aug. 20; v. 253; p. 622.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company. Barrel-head seal. No. 1,276,364; Aug. 20; v. 253; p. 622.
Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Pulp-molding machine. No. 1,278,466; Sept. 10; v. 254; p. 331.
Hodge, Fred I., *et al.* (See Diehm, Lucius N., assignor.)
Hodge, Richard F., Indianapolis, Ind. Direction-indicator for motor-cars. No. 1,283,186; Oct. 29; v. 255; p. 965.
Hodge, Thomas D., Duluth, Minn. Distributing a pulverulent lining in a soaking-pit. No. 1,281,570; Oct. 15; v. 255; p. 458.
Hodge, Thomas D., Duluth, Minn. Soaking-pit. No. 1,286,632; Dec. 3; v. 257; p. 110.
Hodge, William B., assignor to S. W. Cramer, Charlotte, N. C. Automatic control for humidifying apparatus. No. 1,270,159; June 18; v. 251; p. 630.
Hodge, William B., Charlotte, N. C., assignor, by mesne assignments, to Parks-Cramer Company, Fitchburg, Mass. Differential hygrostat for controlling the humidity of air-conditioning systems. No. 1,284,334; Nov. 12; v. 256; p. 265.
Hodge, William B., Charlotte, N. C., assignor, by mesne assignments, to Parks-Cramer Company, Fitchburg, Mass. Hygrostatic or thermostatic control device for air-conditioning systems. No. 1,284,335; Nov. 12; v. 256; p. 265.
Hodge, William B., Charlotte, N. C., assignor, by mesne assignments, to Parks-Cramer Company, Fitchburg, Mass. System of distribution for humidifying, heating, and air-conditioning apparatus. No. 1,284,336; Nov. 12; v. 256; p. 266.
Hodge, William B., Charlotte, N. C., assignor, by mesne assignments, to Parks-Cramer Company, Fitchburg, Mass. Humidifying apparatus. No. 1,284,337; Nov. 12; v. 256; p. 266.
Hodges, Chauncey W., Grand Rapids, Mich. Antiskid-chain. No. 1,284,338; Nov. 12; v. 256; p. 266.
Hodges, Chauncey W., Grand Rapids, Mich. Antislip device for vehicle-wheels. No. 1,285,179; Nov. 19; v. 256; p. 517.
Hodges, Edward G., Marshalltown, Iowa. Automatic air-supply device and combination-governor therefor. No. 1,276,762; Aug. 27; v. 253; p. 768.
Hodges, Jesse E., Covington, Ky. Device for applying stucco. No. 1,264,647; Apr. 30; v. 249; p. 1136.
Hodges, Virgel B., Henrietta, Okla. Track-spike puller. No. 1,289,761; Dec. 31; v. 257; p. 996.
Hodgkinson, Francis, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-stator. No. 1,264,648; Apr. 30; v. 249; p. 1136.
Hodgkinson, William, Waterbury, Conn. Piston-ring compressor. No. 1,277,213; Aug. 27; v. 253; p. 888.
Hodgson, A. D., *et al.* (See Barnett, John B., assignor.)
Hodgson, Arthur F., Jarvis, Ontario, Canada. Bee-escape board. No. 1,252,437; Jan. 8; v. 246; p. 321.
Hodgson, James F., Winchester, Va. Ice-cutting machine. No. 1,265,781; May 14; v. 250; p. 279.
Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Friction-top can. No 1,277,724; Sept. 3; v. 254; p. 109.
Hodgson, Wilfred D., Akron, Ohio. Electrical connection and making the same. No. 1,275,687; Aug. 13; v. 253; p. 401.
Hodgson, William. (See Deegan and Hodgson.)
Hodgson, William, New York, N. Y. Regulator. No. 1,284,895; Nov. 12; v. 256; p. 406.
Hodo, Wesley A. J., Cleburne, Tex., assignor, by mesne assignments, of one-half to H. E. Sessions, Columbia, S. C. Cotton-gin or linting-machine. No. 1,286,319; Dec. 3; v. 257; p. 33.
Hodshon, Frederick C., Buffalo, N. Y. Set-board for hats. No. 1,258,219; Mar. 5; v. 248; p. 78.
Hodson, Frank S., Philadelphia, Pa. Metallic alloy. No. 1,276,916; Aug. 27; v. 253; p. 808.
Hoe, Peter D., Honolulu, Hawaii. Wheelbarrow. No. 1,261,532; Apr. 2; v. 249; p. 153.
Hoe, Robert, New York, N. Y. Paper-roll-driving mechanism. No. 1,285,706; Nov. 26; v. 256; p. 688.
Hoe, Robert, assignor to R. Hoe and Co., New York, N. Y. Inking mechanism for printing-presses. No. 1,275,256; Aug. 13; v. 253; p. 283.
Hoefer, Benjamin C., Kansas City, Mo. Coin-delivering machine. No. 1,268,462; June 4; v. 251; p. 112.
Hoefle, Hugo F., and G. W. Adams, assignors to Eastman Kodak Company, Rochester, N. Y. Trimming-board. No. 1,270,823; July 2; v. 252; p. 19.
Hoefler, George J., Stapleton, N. Y. Weeping doll. No. 1,268,714; June 4; v. 251; p. 182.
Hoefler, George J., and O. F. Koehler, Stapleton, N. Y. Oil-can. No. 1,261,814; Apr. 9; v. 249; p. 266.
Hoegren, Anders G., Chicago, Ill. Vehicle-tire. No. 1,282,692; Oct. 22; v. 255; p. 802.
Hoehl, Eberhard. (See Sis, Sebastian, assignor.)
Hoehne, Herman F., Kaukauna, Wis. Thistle-pulling machine. No. 1,267,073; May 21; v. 250; p. 669.
Hoek, Peter. (See Bergers, Martin, assignor.)
Hoel, Harold, Christine, N. D. Rake-cleaner. No. 1,254,041; Jan. 22; v. 246; p. 836.
Hoeller, Josef, Albia, Iowa. Pencil-sharpener. No. 1,266,806; May 21; v. 250; p. 594.
Hoelting, Frank W., Granite City, Ill. Garter and garment supporter. No. 1,276,763; Aug. 27; v. 253; p. 768.
Hoelzer, George J., Oklahoma, Okla. Floor-jack. No. 1,273,489; July 23; v. 252; p. 848.
Hoepner, George, Chicago, Ill. Sewing-machine. No. 1,259,740; Mar. 19; v. 248; p. 585.
Hoepner, George, Chicago, Ill. Thread-cutter for sewing-machines. No. 1,263,766; Apr. 23; v. 249; p. 857.
Hoepner, George, Chicago, Ill. Feed-arm mechanism for sewing-machines. No. 1,263,767; Apr. 23; v. 249; p. 857.
Hoepner, George, Chicago, Ill. Needle-guide for sewing-machines. No. 1,269,711; June 18; v. 251; p. 509.
Hoepner, George, Chicago, Ill. Looper mechanism for sewing-machines. No. 1,270,948; July 2; v. 252; p. 55.
Hoerner, John S., Highland, Ill. Flying-machine. No. 1,285,180; Nov. 19; v. 256; p. 517.
Hoersting, William A. H., Plainfield, N. J. Internal-combustion engine. No. 1,259,016; Mar. 12; v. 248; p. 350.
Hoersting, William A. H., New York, N. Y. Engine-valve. No. 1,286,000; Nov. 26; v. 256; p. 762.
Hoeschen, Henry A. and J. A., Omaha, Nebr., assignors to Hoeschen Manufacturing Company. Railway-signaling track instrument. No. 1,278,652; Sept. 10; v. 254; p. 382.
Hoeschen, Henry A. and W. H., assignors to Baker Ice Machine Company, Omaha, Nebr. Thermal cut-out for electrical circuits. No. 1,278,467; Sept. 10; v. 254; p. 331.
Hoeschen, Henry A. and W. H., assignors to Baker Ice Machine Company, Omaha, Nebr. Automatic switch. No. 1,286,001; Nov. 26; v. 256; p. 762.
Hoeschen, Joseph A. (See Hoeschen, Henry A. and J. A.)
Hoeschen Manufacturing Company. (See Hoeschen, Henry A. and J. A., assignors.)
Hoeschen, William H. (See Hoeschen, Henry A. and W. H.)
Hoexter, Samuel J., Kalamazoo, Mich. Phonograph. No. 1,269,536; June 11; v. 251; p. 427.
Hoexter, Seymour L., and L. E. Shaw, New York, N. Y.; said Shaw assignor to said Hoexter. Apparatus for throwing grenades. No. 1,270,293; June 25; v. 251; p. 692.
Hoey, John J., Providence, R. I. Tenter-clip. No. 1,272,663; July 16; v. 252; p. 597.
Hoey, John J., Providence, R. I. Tenter-clip. No. 1,273,610; July 23; v. 252; p. 881.
Hofberg, John O. (See Bancroft and Hofberg.)
Hoff, Carl P., St. Joseph, Mo. Concrete edging and marking tool combined. No. 1,273,060; July 16; v. 252; p. 707.

Alphabetical list of patentees—Continued.

Hoff, Edward J., Berkeley, Cal. Automatic weir for regulating the flow of water. No. 1,263,768; Apr. 23; v. 249; p. 857.
Hoff, Edward R., Brooklyn, N. Y. Artificial tooth. No. 1,269,440; June 11; v. 251; p. 402.
Hoff, John A., St. Louis, Mo. Testing aerated-beverage containers. No. 1,272,043; July 9; v. 252; p. 395.
Hoff, John N., New York, N. Y. Fertilizer. No. 1,261,025. Apr. 2; v. 249; p. 10.
Hoff, Olof C., *et al.* (See Johannessen, Johan, assignor.)
Hoff, Olaf C., *et al.* (See Johannessen and Waage, assignors.)
Hoff, Selmer O., Trail, Minn. Tire. No. 1,253,598; Jan. 15; v. 246; p. 689.
Hoffer, Fred C., Los Angeles, and J. F. Smedley, Pasadena, assignors to Motorcycle Sweeper Company, Los Angeles, Cal. Street-sweeper. No. 1,254,802; Jan. 29; v. 246; p. 1086.
Hoffer, Fred C., Los Angeles, and J. F. Smedley, Pasadena, assignors to Motorcycle Sweeper Company, Los Angeles, Cal. Street-sweeper. No. 1,254,803; Jan. 29; v. 246; p. 1087.
Hoffer, Fred C., Los Angeles, and J. F. Smedley, Pasadena, assignors to Motorcycle Sweeper Company, Los Angeles, Cal. Street-sweeper. No. 1,256,561; Feb. 19; v. 247; p. 500.
Hoffland, Walter W., Bend, Oreg. Wire-stretcher. No. 1,287,313; Dec. 10; v. 257; p. 313.
Hoffland, William O., Red Wing, Minn. Folding umbrella. No. 1,263,891; Apr. 23; v. 249; p. 892.
Hoffman, Addison F. (See Campbell and Hoffman.)
Hoffman, Addison F., Pittsburgh, Pa. Making iron pigment. No. 1,251,522; Jan. 1; v. 246; p. 21.
Hoffman, Addison F., Pittsburgh, Pa. Producing by-products from waste pickle liquor. No. 1,269,442; June 11; v. 251; p. 403.
Hoffman, Addison F., Pittsburgh, Pa. Pickling process and bath. No. 1,269,443; June 11; v. 251; p. 403.
Hoffman, Addison F., Pittsburgh, Pa. Recovering sulfur. No. 1,273,370; July 23; v. 252; p. 816.
Hoffman, Addison F., and W. M. Parkin, Pittsburgh, Pa. Method of treating waste pickle liquor. No. 1,269,441; June 11; v. 251; p. 402.
Hoffman, Arthur H., Ames, Iowa. Charging-regulator for storage batteries. No. 1,273,490; July 23; v. 252; p. 848.
Hoffman, Adolf, Lackawanna, N. Y. Submarine-fender. No. 1,257,002; Feb. 19; v. 247; p. 631.
Hoffman, Albert A., Reno, Ohio. Acetylene-gas generator. No. 1,282,421; Oct. 22; v. 255; p. 728.
Hoffman, Alfred, Brooklyn, and A. H. Kropff, Kew Gardens, N. Y. Calcium hypochlorite and making same. No. 1,288,587; Dec. 24; v. 257; p. 685.
Hoffman, Charles. (See Kohman, Hoffman, and Blake.)
Hoffman, Clemence, Newport, Mich. Folding crate. No. 1,268,715; June 4; v. 251; p. 182.
Hoffman, Daniel E., San Francisco, Cal. Sunshade for automobiles. No. 1,286,633; Dec. 3; v. 257; p. 110.
Hoffman, Emil E., New York, N. Y. Laundry-tray. No. 1,289,173; Dec. 31; v. 257; p. 851.
Hoffman, Frank, Sorum, S. D. Engine-starter. No. 1,251,523; Jan. 1; v. 246; p. 21.
Hoffman, Fred W., Goldroad, Ariz. Vehicle-body. No. 1,257,605; Feb. 26; v. 247; p. 841.
Hoffman, Frederick, Schenectady, N. Y. Feed-hopper. No. 1,286,002; Nov. 26; v. 256; p. 763.
Hoffman, George D., Pasadena, Cal., assignor to Hoffman Specialty Company, Chicago, Ill. Automatic air-valve for steam-radiators. No. 1,252,267; Jan. 1; v. 246; p. 238.
Hoffman, George F., Philadelphia, Pa. Flag. No. 1,253,380; Jan. 15; v. 246; p. 628.
Hoffman, Harry A. (See Knowlton and Hoffman.)
Hoffman, Henry F., New York, N. Y. Pipe and nut wrench. No. 1,278,653; Sept. 10; v. 254; p. 382.
Hoffman, John H. (See St. Clair and Hoffman.)
Hoffman, John H., assignor to Theo. Tiedemann & Sons, Inc., New York, N. Y. Machine for measuring and marking fabrics. No. 1,287,314; Dec. 10; v. 257; p. 314.
Hoffman, John J., Milan, Mo. Scaffold-supporting means. No. 1,252,438; Jan. 8; v. 246; p. 321.
Hoffman, Julius, Hermann, Mo. Package-tie. No. 1,253,972; Jan. 15; v. 246; p. 796.
Hoffman, Louis, San Francisco, Cal. Ship. No. 1,285,182; Nov. 19; v. 256; p. 518.
Hoffman, Morris J., Chicago, Ill. Coupon-ticket-printing machine. No. 1,251,887; Jan. 1; v. 246; p. 133.
Hoffman, Paul N., New York, N. Y. Feather-pine Christmas tree and making same. No. 1,253,035; Jan. 8; v. 246; p. 497.
Hoffman, Philip M., and G. W. Rank, Indianapolis, Ind. Storing-cabinet. No. 1,258,773; Mar. 12; v. 248; p. 278.
Hoffman, Reuben F., Hamilton, Ohio. Shock-absorber. No. 1,288,891; Dec. 24; v. 257; p. 758.
Hoffman, Ronald F. (See Hancock and Hoffman.)
Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Company, Chicago, Ill. Oil-burner. No. 1,254,226; Jan. 22; v. 246; p. 889.
Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Company, Chicago, Ill. Sterilizer. No. 1,258,902; Mar. 12; v. 248; p. 316.
Hoffman Specialty Company. (See Hoffman, George D., assignor.)
Hoffman, Wilmot G., San Francisco, Cal. Signaling apparatus. No. 1,262,498; Apr. 9; v. 249; p. 454.
Hoffmann, Edmund G., Burksville, Ill. Electric time-switch. No. 1,282,578; Oct. 22; v. 255; p. 770.
Hoffmann, John B., Jr., Birmingham, Ala. Aerial bomb. No. 1,285,181; Nov. 19; v. 256; p. 517.
Hoffmann, Oscar, and C. Wolter, Stuttgart, Germany. Portable lantern. No. 1,274,713; Aug. 6; v. 253; p. 107.
Hoffmann, Paul, Jr., Dubuque, Iowa. Belt-fastener. No. 1,263,670; Apr. 23; v. 249; p. 832.
Hoffmann, William, assignor to The Magee Carpet Co., Bloomsburg, Pa. Yarn-steamer. No. 1,266,265; May 14; v. 250; p. 414.
Hoffmann, William G., *et al.* (See Steers, Walter C., assignor.)
Hoffmann, William G., San Francisco, Cal. Portable breastwork. No. 1,256,562; Feb. 19; v. 247; p. 500.
Hoffmaster, George N., Doster, Mich. Paving-block. No. 1,262,048; Apr. 9; v. 249; p. 328.
Hoffner, David, Brockton, assignor of one-half to C. E. Fahlstrom, Somerville, Mass. Railway. No. 1,289,174; Dec. 31; v. 257; p. 851.
Hofft, Maurice A., assignor to The M. A. Hofft Company, Indianapolis, Ind. Furnace. No. 1,255,832; Feb. 5; v. 247; p. 207.
Hofman, Bertha V. (See Hofman, Charles, assignor.)
Hofman, Charles, assignor, by mesne assignments, to B. V. Hofman, Rochester, N. Y. Shipping-box. No. 1,270,294; June 25; v. 251; p. 692.
Hofman, Charles, assignor, by mesne assignments, to B. V. Hofman, Rochester, N. Y. Foldable shipping-box. No. 1,254,692; Jan. 29; v. 246; p. 1052.
Hofman, V. F., *et al.* (See Bonney, Bick R., assignor.)
Hofmann, George W., Chicago, Ill. Heat-resisting rail. No. 1,262,794; Apr. 16; v. 249; p. 567.
Hofmann-Morgan Rubber Company. (See Morgan, Delevan F., assignor.)
Hofmeister, Leo, Milwaukee, Wis. Automobile-tire. No. 1,274,883; Aug. 6; v. 253; p. 155.
Hofmeister, Leo, Milwaukee, Wis. Automobile-tire. No. 1,279,694; Sept. 24; v. 254; p. 720.
Hofstad, Nels, Chicago, Ill., assignor to Johnson Service Company. Atmospherically-responsive device. No. 1,283,769; Nov. 5; v. 256; p. 86.
Hofstatter, Ernest W., Nyack, N. Y. Automobile-rim. No. 1,276,917; Aug. 27; v. 253; p. 808.
Hogan, George F., Chicago, Ill. Sleeve-protector. No. 1,266,266; May 14; v. 250; p. 415.
Hogan, Herbert J., Flint, Mich. Vehicle-signal. No. 1,253,689; Jan. 15; v. 246; p. 717.
Hogan, Herbert J., Los Angeles, Cal. Aeroplane. No. 1,272,805; July 16; v. 252; p. 637.
Hogan, John J., Bridgeport, Conn. Gas-engine. No. 1,253,599; Jan. 15; v. 246; p. 690.
Hogan, Katherine V., Chicago, Ill. Bungalow-apron. No. 1,251,524; Jan. 1; v. 246; p. 22.
Hogan, Michael J., New Haven, assignor to J. W. Holden, Meriden, Conn. Railway-line protector. No. 1,284,678; Nov. 12; v. 256; p. 350.
Hogan, Thomas L., New York, N. Y. Sleeve-protector. No. 1,278,654; Sept. 10; v. 254; p. 383.
Hogan, Thomas L., assignor to The Lily Cup Company, Incorporated, New York, N. Y. Sleeve-protector. No. 1,287,691; Dec. 17; v. 257; p. 437.
Hogan, Zachariah, New Orleans, La. Switch-operating means. No. 1,257,233; Feb. 19; v. 247; p. 696.
Hogben, George W. (See Jacobs and Hogben.)
Hoge, James B., Cleveland, Ohio. Municipal traffic-control system. No. 1,251,666; Jan. 1; v. 246; p. 68.
Hogeboom, Clarence J., Boston, assignor to S. W. Prussian, Brookline, Mass. Power plant for autotrucks and the like. No. 1,268,119; June 4; v. 251; p. 15.
Hogeboom, James B. (See Herbert and Hogeboom.)
Hogg, Robert L., Charleston, S. C. Engine-starter. No. 1,270,160; June 18; v. 251; p. 630.
Hogg, Robert T., Oxford, Pa. Food product. No. 1,278,468; Sept. 10; v. 254; p. 331.
Hoggson, Samuel H., New York, N. Y., assignor to The Post Dater-Stamp Co., Wilmington, N. C. Dating-stamp. No. 1,289,762; Dec. 31; v. 257; p. 997.
Hogsett, Hiram R., Shenandoah, Iowa. Lister attachment. No. 1,283,517; Nov. 5; v. 256; p. 22.
Hogue, Ernest N., Wilkinsburg, Pa. Vacuum-lift. No. 1,261,026; Apr. 2; v. 249; p. 10.
Hogue, Homer E., Venice, Cal. Crank-hanger. No. 1,268,351; June 4; v. 251; p. 80.
Hogue, James T., North Fork, Cal. Pool-ball rack and basket. No. 1,260,540; Mar. 26; v. 248; p. 851.
Hogue, William J. (See Stubbe and Hogue.)
Hohl, George I., Newark, N. J., assignor to Any Package Wrapping Co. Sealing-machine. No. 1,262,342; Apr. 9; v. 249; p. 410.
Hohle, Antone T., Minneapolis, Minn. Tongue-depressor. No. 1,274,547; Aug. 6; v. 253; p. 60.
Hohlfeld, Herman L., Philadelphia, Pa. Terry-loom. No. 1,266,267; May 14; v. 250; p. 415.

Hohmann, Joseph B., Eureka, Cal. Hose-supporter. No. 1,261,027; Apr. 2; v. 249; p. 11.
Hohme, Gustav W. E., Castor, Alberta, Canada. Shoe-stretcher. No. 1,253,973; Jan. 15; v. 246; p. 796.
Höhn, Karl, Zurich, Switzerland. Electric switch. No. 1,280,733; Oct. 8; v. 255; p. 197.
Hoiland, Albert, Fargo, N. D. Display-rack. No. 1,268,245; June 4; v. 251; p. 49.
Holles, Frank A., Alliance, Ohio. Machine for ornamenting the faces of bricks. No. 1,283,770; Nov. 5; v. 256; p. 87.
Hoit, Charles S., Chicago, Ill. Bed. No. 1,270,414; June 25; v. 251; p. 725.
Hokanson, Aaron E., *et al.* (See Conard, Abraham N., assignor.)
Hoke, Charles L., Harrisburg, Pa. Altimeter. No. 1,279,868; Sept. 24; v. 254; p. 771.
Hoke, Harry A., Altoona, Pa. Rod-packing. No. 1,263,769; Apr. 23; v. 249; p. 857.
Hoke, Harry A., Altoona, Pa. Safety-support for locomotive cross-head guides. No. 1,271,317; July 2; v. 252; p. 159.
Hoke, Harry A., Altoona, Pa. Locomotive-brake. No. 1,272,044; July 9; v. 252; p. 396.
Holada, Frank. (See Fahrenbruch and Holada.)
Holaday, Albert E., Naugatuck, Conn., assignor to J. F. Hemenway, New York, N. Y. Pressure-release for clothes-wringers. No. 1,284,105; Nov. 5; v. 256; p. 177.
Holaday, Albert E., Naugatuck, Conn., assignor to American Wringer Company, Woonsocket, R. I. Pressure-roll release for clothes-wringers. No. 1,286,003; Nov. 26; v. 256; p. 763.
Holaday, Albert E., Naugatuck, Conn., assignor to American Wringer Company, Woonsocket, R. I. Clothes-wringer clamp. No. 1,286,004; Nov. 26; v. 256; p. 763.
Holaday, Albert E., Naugatuck, Conn., assignor to The American Wringer Company, Providence, R. I. Pressure-screw for clothes-wringers. No. 1,289,450; Dec. 31; v. 257; p. 921.
Holaday, Albert E., Naugatuck, Conn., assignor to The American Wringer Company, Woonsocket, R. I. Pressure-bar for clothes-wringers. No. 1,289,460; Dec. 31; v. 257; p. 924.
Holbrook, Charles W., Providence, R. I., assignor to Holbrook Raw Hide Company. Mallet. No. 1,276,218; Aug. 20; v. 253; p. 581.
Holbrook, Charles W., Providence, R. I., assignor to Holbrook Raw Hide Company. Driving implement. No. 1,288,892; Dec. 24; v. 257; p. 758.
Holbrook, Frank, deceased; S. A. Holbrook, administratrix, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-building machine. No. 1,255,608; Feb. 5; v. 247; p. 143.
Holbrook Raw Hide Company. (See Holbrook, Charles W., assignor.)
Holbrook, Sarah A., administratrix. (See Holbrook, Frank.)
Holbrook, William H., Sr., Venice, Ill. Nail. No. 1,276,764; Aug. 27; v. 253; p. 769.
Holcomb, Charles M. (See Bratt and Holcomb.)
Holcomb, Dayton B., Chicago, Ill. Abdominal support. No. 1,259,513; Mar. 19; v. 248; p. 521.
Holcomb & Hoke Manufacturing Company. (See Chatfield, George L., assignor.)
Holcomb & Hoke Manufacturing Company. (See Talbert and Carter, assignors.)
Holcomb & Hoke Mfg. Co. (See McMeans and Tripp, assignors.)
Holcomb, Leonard E., Ashtabula, Ohio. Means to operate car-doors, &c. No. 1,260,773; Mar. 26; v. 248; p. 920.
Holcomb, William H., assignor to J. H. Smith, Chicago, Ill. Land-marker. No. 1,279,544; Sept. 24; v. 254; p. 676.
Holcombe, George H., Lambertville, N. J. Burial-vault. No. 1,267,225; May 21; v. 250; p. 712.
Holcombe, William E., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,269,537; June 11; v. 251; p. 428.
Holdaway, Hall H. (See Gabel and Holdaway.)
Holdeman, William T., Chicago, Ill. Adjustable connection for switches. No. 1,270,824; July 2; v. 252; p. 19.
Holden, Arthur P. (See Armson, Harold P., assignor.)
Holden, Bertram A., Toronto, Ontario, Canada. Spring and shock-absorber. No. 1,290,019; Dec. 31; v. 257; p. 1060.
Holden, Crofton C., and E. P. Hadley, Leominster, Mass., assignors to Royal Comb Company. Hinge for celluloid articles. No. 1,260,197; Mar. 19; v. 248; p. 716.
Holden, David R., Peoria, Ill. Fertilizer-distributer. No. 1,285,183; Nov. 19; v. 256; p. 518.
Holden, Edward R., Los Angeles, Cal. Electrochemical precipitation of metals. No. 1,269,565; June 11; v. 251; p. 435.
Holden, Genton P., Jackson county, Minn. Colter. No. 1,253,974; Jan. 15; v. 246; p. 796.
Holden, Genton P., Petersburg, Minn. Folding drag-evener. No. 1,261,533; Apr. 2; v. 249; p. 154.
Holden, Joseph W. (See Hogan, Michael J., assignor.)
Holden, May A., administratrix. (See Nein, William C., assignor.)
Holden, Miles C., and F. G. Neal, Springfield, Mass.; said Neal assignor to said Holden. Book-cover. No. 1,284,896; Nov. 12; v. 256; p. 406.
Holden, Richard M., Kenosha, Wis. Separable fastener. No. 1,264,072; Apr. 23; v. 249; p. 941.
Holden, Robert W., Birkenhead, Auckland, New Zealand. Reversible steam-turbine. No. 1,284,897; Nov. 12; v. 256; p. 406.
Holden, William P. (See Zigler and Holden.)
Holder, Henry A., Lynn, assignor, by mesne assignments, to W. F. Fitzgerald, Brookline, Mass. Machine for treating hides, skins, and leather. No. 1,261,534; Apr. 2; v. 249; p. 154.
Holder, Leonard H., Detroit, Mich. Sectional cabinet. No. 1,282,833; Oct. 29; v. 255; p. 868.
Holdfast Nut & Bolt Company. (See Woodward, Irving C., assignor.)
Holdsworth, Arthur J., assignor of one-half to C. Schneider, Detroit, Mich. Cover-holder for glass jars and the like. No. 1,263,892; Apr. 23; v. 249; p. 893.
Holdsworth, Nathan B., Fort Wayne, Ind. Flycatcher. No. 1,289,175; Dec. 31; v. 257; p. 851.
Holdsworth, William, Halifax, England. Combing-machine. No. 1,259,514; Mar. 19; v. 248; p. 521.
Holen, John O., Denver, Colo. Vise. No. 1,262,795; Apr. 16; v. 249; p. 568.
Holen, Ole, Wyndmere, N. D. Igniting system for internal-combustion engines. No. 1,258,774; Mar. 12; v. 248; p. 278.
Holeproof Hosiery Co. (See Evans, Humphrey, assignor.)
Holiday, William C., Wekiwa, Fla. Suspenders. No. 1,259,984; Mar. 19; v. 248; p. 658.
Holinger, Emil F., Jersey City, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Pipe-bending machine. No. 1,268,844; June 11; v. 251; p. 238.
Holke, Frederick, St. Louis, Mo. Garment-pin. No. 1,259,017; Mar. 12; v. 248; p. 350.
Holladay, James A., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Obtaining molybdenum or alloys thereof. No. 1,281,961; Oct. 15; v. 255; p. 562.
Holland, Clifford W. (See Meredith, Holland, O'Brien, and McHenry.)
Holland, Frederick W., assignor to Herman Scheuer & Sons, Brooklyn, N. Y. Adjustable kit. No. 1,265,331; May 7; v. 250; p. 125.
Holland Furnace Company, The. (See Kolla, John P., assignor.)
Holland, George, Laconia, N. H. Puzzle. No. 1,260,541; Mar. 26; v. 248; p. 851.
Holland, Glenn R., Genesee, Ill. Fuel-mixer. No. 1,281,962; Oct. 15; v. 255; p. 562.
Holland, Henry, Cleveland, Ohio. Trolley-support. No. 1,285,707; Nov. 26; v. 256; p. 688.
Holland, Joseph, Brooklyn, N. Y. Disk for torpedo-deflectors. No. 1,284,339; Nov. 12; v. 256; p. 266.
Holland, Julian, New York, N. Y. Ventilator. No. 1,255,312; Feb. 5; v. 247; p. 56.
Holland-Letz, William, assignor to The Letz Manufacturing Company, Crown Point, Ind. Corn-planter. No. 1,274,062; July 30; v. 252; p. 1042.
Holland-Letz, Lud, Oak Park, Ill., assignor to International Harvester Company of New Jersey. Platform-latch for reapers. No. 1,275,689; Aug. 13; v. 253; p. 402.
Holland Lighting & Specialty Co. (See Olinger, Thomas, assignor.)
Holland Lighting and Specialty Company. (See Olinger and Fearell, assignors.)
Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Controlling device. No. 1,272,261; July 9; v. 252; p. 456.
Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Photograph. No. 1,272,262; July 9; v. 252; p. 457.
Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,275,257; Aug. 13; v. 253; p. 283.
Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,283,771; Nov. 5; v. 256; p. 87.
Holland, Walter J., Berkeley, Cal. Drill. No. 1,266,467; May 14; v. 250; p. 467.
Holland, William H., Bagdad, Fla. Folding ironing-table. No. 1,266,468; May 14; v. 250; p. 468.
Holland, William S., Bedford, Va. Spring-wheel. No. 1,286,634; Dec. 3; v. 257; p. 110.
Holland, William W., Alton, J. R. Carringer and W. Bacheldor, Woodriver, Ill. Chain-grate stoker. No. 1,268,845; June 11; v. 251; p. 238.
Hollander, Charles. (See Mattison, Emil, assignor.)
Hollander, Marcus, Brooklyn, N. Y. Propulsion device for vessels. No. 1,274,416; Aug. 6; v. 253; p. 21.
Hollands, John C., assignor to The Griswold Manufacturing Company, Erie, Pa. Broiler. No. 1,257,234; Feb. 19; v. 247; p. 696.
Hollenbeck, Daniel H., Boston, Mass. Advertising device for use in railway-cars. No. 1,255,748; Feb. 5; v. 247; p. 184.

Alphabetical list of patentees—Continued.

Hollensbe, Ira J., Greensburg, assignor to The United Broom Company, Kokomo, Ind. Automatic carrier for feeding broom machinery. No. 1,266,947; May 21; v. 250; p. 633.
Hollensbe, Ira J., Greensburg, assignor to The United Broom Company, Kokomo, Ind. Broom. No. 1,267,550; May 28; v. 250; p. 827.
Holley, Albert B., Virginia, Minn. Conveyer. No. 1,280,032; Sept. 24; v. 254; p. 817.
Holley, Alfred E., and H. W. Webb, assignors to Chance and Hunt, Limited, Oldbury, England. Acid-resisting cement. No. 1,287,995; Dec. 17; v. 257; p. 514.
Holley, Alfred E., and H. W. Webb, assignors to Chance & Hunt, Limited, Oldbury, England. Acid-resisting cement. No. 1,288,413; Dec. 17; v. 257; p. 614.
Holley Brothers Company. (See Hastings, Donald T., assignor.)
Holliday Chemical Company. (See Holliday, Karl J., assignor.)
Holliday, Clarence E., Duncan, Nebr. Current distributer and timer. No. 1,268,716; June 4; v. 251; p. 183.
Holliday, Clarence E., Duncan, Nebr. Wheel-center. No. 1,289,461; Dec. 31; v. 257; p. 924.
Holliday, Edgar P., Brooklyn, N. Y. Oiling mechanism for explosive-motors. No. 1,278,655; Sept. 10; v. 254; p. 383.
Holliday, John S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system and relay adapted for use therein. No. 1,254,139; Jan. 22; v. 246; p. 865.
Holliday, John S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic measuring instrument. No. 1,259,515; Mar. 19; v. 248; p. 522.
Holliday, John S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. System for the transmission and distribution of electrical energy. No. 1,272,444; July 16; v. 252; p. 534.
Holliday, John S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit-controlling device. No. 1,272,445; July 16; v. 252; p. 534.
Holliday, Karl J., assignor to Holliday Chemical Company, Glen Osborne borough, Pittsburgh, Pa. Surgical dressing. No. 1,264,185; Apr. 30; v. 249; p. 1006.
Holliday, Karl J., Glen Osborne borough, Allegheny county, assignor to Holliday Chemical Company, Pittsburgh, Pa. Product of beeswax and manufacturing the same. No. 1,264,186; Apr. 30; v. 249; p. 1006.
Holliday, Karl J., Glen Osborne borough, assignor to Holliday Chemical Company, Neville Island, Neville township, Pa. Manufacturing surgical dressings. No. 1,268,076; May 28; v. 250; p. 975.
Holliday, Thomas B., Potosi, assignor of one-half to W. R. Griffith, Moro, Tex. Corn or grain knife. No. 1,252,803; Jan. 8; v. 246; p. 427.
Holliday, Thomas C., Canton, Miss. Tire-tool. No. 1,268,071; May 28; v. 250; p. 973.
Holliday, William R., Guelph, Ontario, Canada. Steam-turbine. No. 1,277,591; Sept. 3; v. 254; p. 71.
Hollier, Walter J., St. Louis, Mo. Machine for decorticatcating fibrous plants. No. 1,284,679; Nov. 12; v. 256; p. 350.
Hollifield, Horatio B., Washington, D. C. Sighting-drill device. No. 1,277,932; Sept. 3; v. 254; p. 165.
Hollingdrake, Henry, Stockport, England. In-motion recorder for road-vehicles. No. 1,282,693; Oct. 22; v. 255; p. 802.
Hollinger, Henry C., Sr., Spokane, Wash. Filler-applier for floor-cracks. No. 1,282,579; Oct. 22; v. 255; p. 770.
Hollings, Ernest, Cleveland, Ohio. Nut-machine. No. 1,255,166; Feb. 5; v. 247; p. 15.
Hollings, Ernest, Sale, England. Nut-blank-forming machine. No. 1,284,680; Nov. 12; v. 256; p. 351.
Hollings, Ernest, Sale, England. Nut-blank-forming machine. No. 1,287,996; Dec. 17; v. 257; p. 514.
Hollingshead, Edgar L., Minneapolis, Minn., assignor to The Power Developing Company. Electrical motor. No. 1,262,585; Apr. 9; v. 249; p. 479.
Hollingshead, Leslie C., Chicago, Ill. Barrel-hoop. No. 1,286,635; Dec. 3; v. 257; p. 110.
Hollingshead, William B., Chicago, Ill. Duplex envelop. No. 1,252,804; Jan. 8; v. 246; p. 425.
Hollingshed, Newton, Seattle, Wash. Switch. No. 1,269,444; June 11; v. 251; p. 403.
Hollingsworth, Alfred P. (See Morris, Alexander C., assignor.)
Hollingsworth, Alfred P., Clarkston, Wash. Post-base. No. 1,278,656; Sept. 10; v. 254; p. 383.
Hollingsworth, Wade, *et al.* (See Gower, Marshall T., assignor.)
Hollingsworth & Whitney Company. (See Stobie, William H., assignor.)
Hollis Automatic Traction Jack Company. (See Hollis, Otis A., assignor.)
Hollis, Frank J., Canandaigua, N. Y. Paste-tube. No. 1,279,695; Sept. 24; v. 254; p. 721.
Hollis, Otis A., Pittsburgh, Pa. Window-ventilator. No. 1,259,236; Mar. 12; v. 248; p. 410.
Hollis, Otis A., assignor to Hollis Automatic Traction Jack Company, Pittsburgh, Pa. Vehicle-wheel tire. No. 1,253,381; Jan. 15; v. 246; p. 628.
Hollis, Otis A., assignor to Hollis Automatic Traction Jack Company, Pittsburgh, Pa. Differential gear. No. 1,262,049; Apr. 9; v. 249; p. 328.
Hollis, Otis A., assignor to Hollis Sterilizing Equipment Company, Pittsburgh, Pa. Sterilizing-cabinet. No. 1,267,322; May 21; v. 250; p. 736.
Hollis, Otis A., assignor to Hollis Automatic Traction Jack Company, Pittsburgh, Pa. Vehicle-tire. No. 1,269,182; June 11; v. 251; p. 331.
Hollis Sterilizing Equipment Company. (See Hollis, Otis A., assignor.)
Hollister, Byron L., Aitkin, Minn. Check-book. No. 1,285,184; Nov. 19; v. 256; p. 518.
Hollon, George F., Waco, Tex. Cutter-bar adjusting and locking means. No. 1,280,470; Oct. 1; v. 255; p. 98.
Hollopeter, William H., Burns, Oreg. Milling and grinding attachment for machine-lathes. No. 1,263,671; Apr. 23, v. 249; p. 832.
Holloway, Benjamin F., Tonopah, Nev. Auto trouble-light. No. 1,281,162; Oct. 8; v. 255; p. 316.
Hollowell, Evert, Kansas City, Kans. Hospital-bed. No. 1,266,268; May 14; v. 250; p. 415.
Holly, Carlos, Lockport, assignor to The F. N. Burt Company, Limited, Buffalo, N. Y. Box-machine. No. 1,253,690; Jan. 15; v. 246; p. 717.
Holm, Anton M. (See Lovelace and Holm.)
Holm-Hansen, Birger O., Christiania, Norway. Electric governor. No. 1,263,413; Apr. 23; v. 249; p. 761.
Holman, Axel. (See Goodwin and Holman.)
Holman, Franklin C., Pueblo, Colo. Power plant. No. 1,266,018; May 14; v. 250; p. 345.
Holman, Russell, Minneapolis, Minn. Roaster. No. 1,274,714; Aug. 6; v. 253; p. 107.
Holmberg, Oscar F., assignor of one-half to C. Trabing, Chicago, Ill. Machinery for treating eggs. No. 1,270,755; June 25; v. 251; p. 818.
Holmberg, Oscar F., assignor of one-half to C. Trabing, Chicago, Ill. Egg-turner. No. 1,270,756; June 25; v. 251; p. 818.
Holmes, Alfred E., Chicago, Ill. Wrench. No. 1,276,918; Aug. 27; v. 253; p. 808.
Holmes, Amos and A. H., Birmingham, England. Machine for the manufacture of multiple letter-sheets or cards. No. 1,253,824; Jan. 15; v. 246; p. 755.
Holmes, Arthur H. (See Holmes, Amos and A. H.)
Holmes, Arthur L., *et al.* (See Baer, Charles H., assignor.)
Holmes, Charles M., Jacksonville, Fla. Detachable cord sending-machine cut-in. No. 1,252,570; Jan. 8; v. 246; p. 361.
Holmes, Edward, Monmouth, Ill. Disk grinder. No. 1,269,933; June 18; v. 251; p. 570.
Holmes, Edward C., Norwood, Ohio. Screw. No. 1,288,893; Dec. 24; v. 257; p. 758.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving cartridge-belts. No. 1,259,625; Mar. 19; v. 248; p. 553.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pulley-stock. No. 1,280,734; Oct. 8; v. 255; p. 197.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pattern mechanism for looms. No. 1,283,187; Oct. 29; v. 255; p. 965.
Holmes, Ephraim M., assignor to Challenge Tractor Company, Minneapolis, Minn. Traction-engine. No. 1,261,388; Apr. 2; v. 249; p. 113.
Holmes, Ernest, Chattanooga, Tenn. Hoisting apparatus for automobiles. No. 1,254,804; Jan. 29; v. 246; p. 1087.
Holmes, Ferdinand M., Everett, Mass. Bookkeeping-machine. No. 1,254,907; Jan. 29; v. 246; p. 1119.
Holmes, Fletcher B., Woodbury, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Obtaining aromatic hydrocarbons. No. 1,276,219; Aug. 20; v. 253; p. 581.
Holmes, Frank A. (See Torgersen, Orne H., assignor.)
Holmes, Frank A. B. (See Torgersen, Orne H., assignor.)
Holmes, Fred E., Detroit, Mich. Lamp. No. 1,271,574; July 9; v. 252; p. 263.
Holmes, George A., Newton Center, assignor to F. Joy, Winchester, Mass. Stud for snap-fasteners. No. 1,273,491; July 23; v. 252; p. 848.
Holmes, Grant. (See King, Renzenberger, and Holmes.)
Holmes, Grant. (See King, Jacoby, Roush, and Holmes.)
Holmes, Harleigh R., Denver, Colo. Power-transmission mechanism. No. 1,289,763; Dec. 31; v. 257; p. 997.
Holmes, Harold. (See Cortright and Holmes.)
Holmes, John H., Cleveland, Ohio. Mechanical flag-waver. No. 1,257,865; Feb. 26; v. 247; p. 918.
Holmes, Joseph F., Baltimore, Md. Closet attachment. No. 1,256,320; Feb. 12; v. 247; p. 393.
Holmes, Leonard W., assignor to The Horton Manufacturing Company, Limited, Rickmansworth, England. Liquid-soap-dispensing apparatus. No. 1,284,681; Nov. 12; v. 256; p. 351.
Holmes, Major E., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Battery-depolarizer. No. 1,259,099; Mar. 12; v. 248; p. 373.
Holmes, Major E., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Flashlight battery. No. 1,264,520; Apr. 30; v. 249; p. 1100.

Holmes, Major E., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric-battery depolarizer. No. 1,272,952; July 16; v. 252; p. 678.
Holmes, Major E. Lakewood, Ohio, assignor to National Carbon Company. Electric-battery depolarizer. No. 1,281,372; Oct. 15; v. 255; p. 406.
Holmes, Morris P. (See Officer and Holmes.)
Holmes, Oscar J. (See Larsen and Holmes.)
Holmes, Oscar J. (See Larsen, Holmes, and Larsen.)
Holmes, Oscar J. (See Schaefer and Holmes.)
Holmes, Oscar L., Hayward, Wis. Folding chair. No. 1,286,636; Dec. 3; v. 257; p. 110.
Holmes, Otis, *et al.* (See Mershon, Arthur U., assignor.)
Holmes, Rudolph, Detroit, Mich., assignor to Morgan & Wright. Rubber-coating machine. No. 1,281,373; Oct. 15; v. 255; p. 406.
Holmes, Thomas B., Charleston, Miss. Saw-handle. No. 1,260,198; Mar. 19; v. 248; p. 717.
Holmes, Thomas E., Glasgow, Scotland. Hydraulic shearing-press. No. 1,287,315; Dec. 10; v. 257; p. 314.
Holmes, Thomas E., Nether Edge, Sheffield, England, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Forging-press. No. 1,275,258; Aug. 13; v. 253; p. 283.
Holmes, Thomas E., Nether Edge, Sheffield, England, assignor to The United Engineering & Foundry Company, Pittsburgh, Pa. Combined steam-hammer and forging-press. No. 1,275,688; Aug. 13; v. 253; p. 401.
Holmes, Thomas J., Chicago, Ill. Lubricator. No. 1,253,036; Jan. 8; v. 246; p. 497.
Holmes, Thomas J., Everett, Mass. Atomizer. No. 1,287,021; Dec. 10; v. 257; p. 240.
Holmes, Walter G., Rochester, N. Y. Sterilizer. No. 1,252,571; Jan. 8; v. 246; p. 361.
Holmes, Walter G., Rochester, N. Y. Sterilizer. No. 1,252,572; Jan. 8; v. 246; p. 362.
Holmes, William N., *et al.* (See Woodman, Richard N., assignor.)
Holmes, William T. (See Whittingham and Holmes.)
Holmes, William W., and J. N. Hawley, assignors to J. C. McGlashan and E. M. Scrace, Los Angeles, Cal. Floor-furnace. No. 1,259,985; Mar. 19; v. 248; p. 659.
Holmgreen, Julius H., San Antonio, Tex. Fastener for meter-boxes. No. 1,256,563; Feb. 19; v. 247; p. 500.
Holmgreen, Julius H., San Antonio, Tex. Silo. No. 1,275,558; Aug. 13; v. 253; p. 365.
Holmlund, John W., Buffalo, N. Y. Bed-spring and the like. No. 1,259,401; Mar. 12; v. 248; p. 458.
Holmquist, Peter O., Chicago, Ill. Laundry-bench. No. 1,280,225; Oct. 1; v. 255; p. 31.
Holmström, Carl, deceased, Westminster, London, England; K. A. Holmström, executrix. Breech-loading ordnance. No. 1,273,860; July 30; v. 252; p. 985.
Holmström, Katherine A., executrix. (See Holmström, Carl.)
Holnagel, William A., and C. W. McClure, Saginaw, Mich. Feeding apparatus. No. 1,274,548; Aug. 6; v. 253; p. 60.
Holophane Glass Company. (See Dorey, William A., assignor.)
Holophane Glass Company. (See Dorey and Jenkins, assignors.)
Holophane Glass Company. (See Mygatt, Otis A., assignor.)
Holsclaw, John F., Albia, Iowa. Switch-operator. No. 1,275,428; Aug. 13; v. 253; p. 330.
Holst, Englehardt W., Boston, Mass., and G. Wright, Schenectady, N. Y., assignors to General Electric Company. Shade-mounting. No. 1,270,617; June 25; v. 251; p. 782.
Holstein, Alexander, Philadelphia, Pa. Snap-fastener. No. 1,272,806; July 16; v. 252; p. 637.
Holstrom, Sven, Highland Park, Ill. Grapple-hook. No. 1,258,220; Mar. 5; v. 248; p. 78.
Holsworth, John, Evarts, Alberta, Canada. Trap. No. 1,265,659; May 7; v. 250; p. 213.
Holt Auto Devices Company. (See Holt, Edward E., assignor.)
Holt, Ben C., Spokane, Wash., assignor to The Holt Manufacturing Company, Stockton, Cal. Combined harvester. No. 1,282,422; Oct. 22; v. 255; p. 728.
Holt, Benjamin, Stockton, Cal. Tractor-truck mechanism. No. 1,258,607; Mar. 5; v. 248; p. 192.
Holt, Benjamin, Stockton, Cal. Endless-chain track for tractors. No. 1,258,612; Mar. 5; v. 248; p. 194.
Holt, Benjamin, Stockton, Cal. Track-chain. No. 1,258,613; Mar. 5; v. 248; p. 195.
Holt, Benjamin, assignor to Holt Manufacturing Company, Stockton, Cal. Traction-engine. No. 1,258,603 Mar. 5; v. 248; p. 191.
Holt, Benjamin, assignor to The Holt Manufacturing Company, Stockton, Cal. Traction-engine. No. 1,258,604; Mar. 5; v. 248; p. 191.
Holt, Charles L., Lawrence, Mass. Automatic shut-off for gas-pipes. No. 1,284,682; Nov. 12; v. 256; p. 351.
Holt, Charles L., assignor to Holt Roof Connection Co., Lawrence, Mass. Roof connection for drain-pipes. No. 1,252,573; Jan. 8; v. 246; p. 362.
Holt, Charles L., assignor to Holt Roof Connection Co., Lawrence, Mass. Gravel-guard for roof-drains. No. 1,266,948; May 21; v. 250; p. 632.
Holt, Charles L., assignor to Holt Roof Connection Co., Lawrence, Mass. Roof connection for drain-pipes. No. 1,275,922; Aug. 13; v. 253; p. 467.
Holt, Clarence E., Maxwell, Okla. Cultivator. No. 1,289,176; Dec. 31; v. 257; p. 852.
Holt, Clarence E., Ada, Okla. Mechanical dancing toy. No. 1,289,177; Dec. 31; v. 257; p. 852.
Holt, Edward E., assignor to Holt Auto Devices Company, Chicago, Ill. Pneumatic valve. No. 1,271,898; July 9; v. 252; p. 352.
Holt, Eugene and L., Burlington, N. C. Beam dyeing-machine. No. 1,265,332; May 7; v. 250; p. 125.
Holt, Eugene and L., Burlington, N. C. Beam dyeing-machine. No. 1,269,934; June 18; v. 251; p. 570.
Holt, Frank A., Rochdale, and G. Kershaw, Whitworth, England. Winding-machine. No. 1,277,933; Sept. 3; v. 254; p. 165.
Holt, Gunvald, Galeton, Colo. Gage. No. 1,264,649; Apr. 30, v. 249; p. 1136.
Holt, Harry O., Brooklyn, N. Y. Engine-indicator. No. 1,253,825; Jan. 15; v. 246; p. 756.
Holt, Josephine L., Portland, Oreg. Corset. No. 1,283,188; Oct. 29; v. 255; p. 965.
Holt, Lafayette. (See Holt, Eugene and L., assignors.)
Holt, Luther P., Port Huron, Mich. Automobile-curtain. No. 1,281,571; Oct. 15; v. 255; p. 458.
Holt, Luther P., and C. H. Whiting, Port Huron, Mich. Manually-propelled vehicle. No. 1,288,588; Dec. 24; v. 257; p. 685.
Holt Manufacturing Company, The. (See Holt, Ben C., assignor.)
Holt Manufacturing Company. (See Holt, Benjamin, assignor.)
Holt Manufacturing Company. (See Norelius, Emil F., assignor.)
Holt Manufacturing Company, The. See Norelius and Turnbull, assignors.)
Holt Manufacturing Company, The. (See Puttock, William H., assignor.)
Holt Manufacturing Company, The. (See Robertson, Donald M., assignor.)
Holt Manufacturing Company, The. (See Turnbull, William, assignor.)
Holt Manufacturing Company, The. (See White, Harold C., assignor.)
Holt Manufacturing Company, The. (See Wickersham, Elmer E., assignor.)
Holt, Oscar, Rothsay, Minn. Potato-cutting machine. No. 1,274,042; July 30; v. 252; p. 1037.
Holt, Pliny E., Stockton, Cal. Driving sprocket-wheel. No. 1,258,606; Mar. 5; v. 248; p. 192.
Holt Roof Connection Co. (See Holt, Charles L., assignor.)
Holt, Thomas, Beaver, assignor to Pennsylvania Company, Pittsburgh, Pa. Railway safety appliance. No. 1,257,866; Feb. 26; v. 247; p. 918.
Holt, William F., Los Angeles, Cal. Steering-gear lock for autovehicles. No. 1,262,796; Apr. 16; v. 249; p. 568.
Holt, William L., assignor to Hartman Manufacturing Company, Vincennes, Ind. Side-harrow and cultivator attachment. No. 1,289,764; Dec. 31; v. 257; p. 998.
Holte, Halvor, Skien, Norway. Lubrication of milk-centrifuges and the like. No. 1,281,572; Oct. 15; v. 255; p. 458.
Holter, Ben, Whitefish, Mont. Rifle-barrel. No. 1,275,028; Aug. 6; v. 253; p. 194.
Holth, Sophus K., Edinburg, N. D. Sled. No. 1,271,709; July 9; v. 252; p. 301.
Holthoff, Henry C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Water-jacket. No. 1,279,696; Sept. 24; v. 254; p. 721.
Holtom, Albert O., London, England. Apparatus for truing journals. No. 1,284,106; Nov. 5; v. 256; p. 177.
Holton, Charles H., Baltimore, Md. Electrically-lighted satchel. No. 1,268,846; June 11; v. 251; p. 238.
Holton, Edward C., Olmsted Falls, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Treating polysulfid solutions. No. 1,254,908; Jan. 29; v. 246; p. 1119.
Holtvoigt, Henry B., assignor to The Ohio Rake Company, Dayton, Ohio. Caster-wheel for agricultural implements. No. 1,252,574; Jan. 8; v. 246; p. 362.
Holtz, Kaufman, Rochester, N. Y. Tag. No. 1,262,343; Apr. 9; v. 249; p. 410.
Holtz, Peter H., Detroit, Mich. Carbureter. No. 1,272,953; July 16; v. 252; p. 678.
Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
Holtzhouser, Jacob P., assignor to The Stanley Works, New Britain, Conn. Door-holder. No. 1,266,269; May 14; v. 250; p. 416.
Holtzman, Abraham M., Brooklyn, N. Y. Spear. No. 1,283,772; Nov. 5; v. 256; p. 87.
Holtzman, John, New York, N. Y. Lock. No. 1,263,349; Apr. 16; v. 249; p. 721.
Holub, Charles J. Newport, Ky., assignor to The Williamson Heater Company, Cincinnati, Ohio. Laundry-drier. No. 1,254,595; Jan. 22; v. 246; p. 995.
Holub, Joseph S., What Cheer, Iowa. Road-drag. No. 1,257,867; Feb. 26; v. 247; p. 918.
Holverson, Thomas, Washington, D. C. Player-piano. No. 1,252,111; Jan. 1; v. 246; p. 197.
Holy, George H. F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Industrial locomotive. No. 1,256,230; Feb. 12; v. 247; p. 367.

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Holy, George H. F., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resilient driving connection. No. 1,275,029; Aug. 6; v. 253; p. 195.
Holy, George H. F., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resilient driving connection. No. 1,280,033; Sept. 24; v. 254; p. 817.
Holy, George H. F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible coupling. No. 1,284,683; Nov. 12; v. 256; p. 351.
Holy, George H. F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive. No. 1,287,022; Dec. 10; v. 257; p. 240.
Holycross, Thomas J. (See Huhndorf and Holycross.)
Holyoke Machine Company. (See Cowan, George L., assignor.)
Holzapfel, Albert C., New York, N. Y. Treating concrete structures to waterproof and insulate the same. No. 1,262,344; Apr. 9; v. 249; p. 410.
Holzapfel, Rudolph, New York, N. Y. Treating balsa wood to produce floats. No. 1,262,345; Apr. 9; v. 249; p. 410.
Holzinger, Frank N., Peoria, Ill. Key-fastener. No. 1,287,316; Dec. 10; v. 257; p. 314.
Homan, Frank W., Philadelphia, Pa. Shoe. No. 1,269,281; June 11; v. 251; p. 360.
Homan, Harry G., Chicago, Ill. Broom. No. 1,267,074; May 21; v. 250; p. 669.
Homan, John G., assignor to The Electrothermal Company, Steubenville, Ohio. Dilator. No. 1,279,111; Sept. 17; v. 254; p. 535.
Homan, John G., assignor to Scientific Products Company, Steubenville, Ohio. Automatic cut-off. No. 1,282,835; Oct. 29; v. 255; p. 869.
Home, John R. J., Los Angeles, Cal. Writing device for the blind. No. 1,259,866; Mar. 19; v. 248; p. 622.
Homer Laughlin Engineers Corporation. (See Ducorron, Charles A. F., assignor.)
Homer Laughlin Engineers Corporation. (See Laughlin and Ducorron, assignors.)
Homer Motors Company. (See Barker, John P., assignor.)
Homer, Samuel, Export, Pa. Loading-machine. No. 1,259,626; Mar. 19; v. 248; p. 553.
Homestead, Wilson R., Carmel, Me. Sanitary pipette. No. 1,252,347; Jan. 1; v. 246; p. 260.
Homewood, Frederick, Syracuse, N. Y. Pressure-generator. No. 1,277,314; Aug. 27; v. 253; p. 913.
Homrighausen, William F., assignor of one-half to A. S. Weaver, San Leandro, Cal. Tool. No. 1,266,683; May 21; v. 250; p. 560.
Honan, David G., New York, N. Y. Hawser shield and trap. No. 1,282,423; Oct. 22; v. 255; p. 728.
Honegger, Gustav, Zollikon, near Zurich, Switzerland. Packing for pistons. No. 1,284,341; Nov. 12; v. 256; p. 266.
Honeycutt, Willie C., Coats, N. C. Support for tents and canopies. No. 1,257,486; Feb. 26; v. 247; p. 805.
Honeywell, Harry E., St. Louis, Mo. Varnishing balloons. No. 1,281,374; Oct. 15; v. 255; p. 406.
Honeywell, Harry E., St. Louis, Mo. Balloon. No. 1,283,773; Nov. 5; v. 256; p. 87.
Hongler, Elizabeth, Philadelphia, Pa. Snap-fastener. No. 1,282,084; Oct. 22; v. 255; p. 635.
Honold, Gottlob. (See Kratz and Honold.)
Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Electric contact device. No. 1,263,247; Apr. 16; v. 249; p. 694.
Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Electric contact device. No. 1,264,797; Apr. 30; v. 249; p. 1174.
Hons, Alfred, Berwick, Pa. Emergency mud or non-skid device. No. 1,255,534; Feb. 5; v. 247; p. 122.
Honsberger, William H., assignor of one-third to G. C. Brown, Welland, Ontario, Canada. Electric-lighting apparatus. No. 1,256,691; Feb. 19; v. 247; p. 538.
Honsberger, William H., assignor of one-third to G. C. Brown, Welland, Ontario, Canada. Electric switch. No. 1,256,692; Feb. 19; v. 247; p. 538.
Hood, Arthur M., Indianapolis, Ind., assignor, by mesne assignments, to C. F. Yegge, trustee, Evanston, Ill. Wire-bound box. No. 1,284,898; Nov. 12; v. 256; p. 407.
Hood, Cyrus S., Corning, N. Y. Register. No. 1,276,063; Aug. 20; v. 253; p. 538.
Hood, Frederick H., Providence, R. I. Attachment for meat-grinders. No. 1,289,765; Dec. 31; v. 257; p. 998.
Hood, Harry A., assignor to H. S. H. Manufacturing Company, Inc., St. Louis, Mo. Radiator-filler cap. No. 1,258,682; Mar. 12; v. 248; p. 253.
Hood, Harry A., assignor to H. S. H. Manufacturing Company, Inc., St. Louis, Mo. Radiator filler-cap. No. 1,286,320; Dec. 3; v. 257; p. 33.
Hood, Harry H., assignor to Sprague Canning Machinery Company, Chicago, Ill. Can-filling machinery. No. 1,261,535; Apr. 2; v. 249; p. 154.
Hood, Harry H., Chicago, Ill., assignor to E. F. Herrmann. Internal-combustion engine. No. 1,266,124; May 14; v. 250; p. 376.
Hood, Harry H., assignor to E. F. Herrmann, Chicago, Ill. Gas-engine. No. 1,266,270; May 14; v. 250; p. 416.
Hood, John D., Philadelphia, Pa. Engine valve-gear. No. 1,281,375; Oct. 15; v. 255; p. 407.
Hood, Ralph O., Danvers, assignor to Clinton Wire Cloth Company, Boston, Mass. Electrical welding mechanism. No. 1,288,589; Dec. 24; v. 257; p. 685.
Hoofer, Charles F., Seattle, Wash., assignor to Hoofer Manufacturing Company. Pneumatic lubricating system for lubricating the flanges of vehicle-wheels. No. 1,278,657; Sept. 10; v. 254; p. 383.
Hoofer, Charles F., Seattle, Wash., assignor to Hoofer Manufacturing Company. Wheel-flange oil-distributer. No. 1,279,345; Sept. 17; v. 254; p. 599.
Hoofer Manufacturing Company. (See Hoofer, Charles F., assignor.)
Hoofnagle, William T., Glen Ridge, N. J., assignor to Electro-Chemical Products Company, New York, N. Y. Method and apparatus for evaporating liquids. No. 1,263,893; Apr. 23; v. 249; p. 893.
Hoofnagle, William T., Glen Ridge, N. J., assignor to Electro-Chemical Products Company, New York, N. Y. Method of and apparatus for treating gases and vapors electrically. No. 1,280,471; Oct. 1; v. 255; p. 98.
Hook, Charles H., and W. J. Burkhart, Pittsburgh, Pa. Conduit-support. No. 1,274,715; Aug. 6; v. 253; p. 107.
Hook, Charles R., Coffeyville, Kans. Glass-furnace. No. 1,279,697; Sept. 24; v. 254; p. 721.
Hook, Jacob, Reno, Nev. Cover for radiators. No. 1,275,923; Aug. 13; v. 253; p. 467.
Hook, Walter W., Spokane, Wash. Cap. No. 1,289,766; Dec. 31; v. 257; p. 998.
Hooker, Edward D., assignor to Gillis & Geoghegan, New York, N. Y. Hoisting-machine. No. 1,281,007; Oct. 8; v. 255; p. 272.
Hooker, Harry A., Wilmette, assignor to Rand McNally and Company, Chicago, Ill. Album, sample-book, or scrap-book. No. 1,275,259; Aug. 13; v. 253; p. 283.
Hooker, James. (See Hooker, Willis L., assignor.)
Hooker, William, Aldershot, England. Atmospheric gas-burner. No. 1,272,263; July 9; v. 252; p. 457.
Hooker, Willis L., Scottsburg, assignor of one-ninth to J. Hooker, Indianapolis, Ind. Power-transmitting means. No. 1,270,825; July 2; v. 252; p. 20.
Hoole Machine & Engraving Works. (See Werle, John F., assignor.)
Hooper, Dorothy, Nahant, Mass. Life-saving raft. No. 1,269,445; June 11; v. 251; p. 403.
Hooper, Franklin P., Rapid City, S. D. Charge-forming device for explosive-engines. No. 1,272,264; July 9; v. 252; p. 457.
Hooper, Fred W., McKeesport, Pa. Disinfecting apparatus. No. 1,277,315; Aug. 27; v. 253; p. 913.
Hooper, Frederick E. (See White and Hooper.)
Hooper, John E., Louisville, Ky. Shoe-last. No. 1,280,226; Oct. 1; v. 255; p. 31.
Hoops, Marcus, Springview, Nebr. Means to prevent freezing of the water-cooling systems of automobiles. No. 1,265,782; May 14; v. 250; p. 279.
Hootman, Orra O., Bigprarie, Ohio. Universal drive for vehicles. No. 1,284,342; Nov. 12; v. 256; p. 267.
Hooven, Robert L., Washington, D. C. Engine-hood cover. No. 1,285,185; Nov. 19; v. 256; p. 518.
Hoover, Harry J., Norwood, Ohio. Gas-range. No. 1,252,575; Jan. 8; v. 246; p. 363.
Hoover, Howard E., Chicago, Ill., assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Suction-sweeper. No. 1,264,073; Apr. 23; v. 249; p. 942.
Hoover, Howard E., Chicago, Ill., assignor to Hoover Suction Sweeper Company, New Berlin, Ohio. Brush. No. 1,286,321; Dec. 3; v. 257; p. 33.
Hoover, John L., assignor of one-fourth to J. E. Baker and one-fourth to J. C. Bescher, Noel, Mo. Gate-latch. No. 1,259,018; Mar. 12; v. 248; p. 350.
Hoover Suction Sweeper Company, The. (See Hoover, Howard E., assignor.)
Hoover Suction Sweeper Company, The. (See Spangler, James M., assignor.)
Hope, Henry D., Birmingham, England. Casement-window. No. 1,263,248; Apr. 16; v. 249; p. 695.
Hope, Herbert J., Sanford, Me. Pile-fabric loom. No. 1,287,997; Dec. 17; v. 257; p 514.
Hope, John, Glasgow, Scotland. Stone-cutting tool. No. 1,282,424; Oct. 22; v. 255; p. 729.
Hope, John A., Montreal, Quebec, Canada. Welding composition. No. 1,254,805; Jan. 29; v. 246; p. 1087.
Hope-Jones, Cecil, administratrix. (See Hope-Jones, Robert.)
Hope-Jones, Robert, deceased; C. Hope-Jones, temporary administratrix, North Tonawanda, N. Y. Pneumatic tone-producer. No. 1,262,670; Apr. 16; v. 249; p. 532.
Hope-Jones, Robert, deceased; C. Hope-Jones, administratrix, North Tonawanda, N. Y. Xylophone and like instrument. No. 1,283,774; Nov. 5; v. 256; p. 87.
Hope, Ralph W., Birmingham, England. Glazing-bar of roofs and the like. No. 1,252,439; Jan. 8; v. 246; p. 322.
Hope, Samuel D., Sr., Martins Ferry, Ohio. Semaphore-signal for vehicles. No. 1,289,464; Dec. 31; v. 257; p. 925.
Hope, Thomas B., Chicago, Ill. Enveloped combination record invoice, receipt, and shipping tag. No. 1,264,798; Apr. 30; v. 249; p. 1175.

Hope, William H., Providence, R. I. Preparing print-rolls for cloth-printing. No. 1,255,881; Feb. 12; v. 247; p. 263.
Hope, William H., Providence, R. I. Engraving copper rolls for printing fabrics. No. 1,255,882; Feb. 12; v. 247; p. 263.
Hope, William H., Providence, R. I. Engraving copper rolls for printing fabrics. No. 1,259,986; Mar. 19; v. 248; p. 659.
Hope, William H., Providence, R. I. Engraving-machine. No. 1,264,074; Apr. 23; v. 249; p. 942.
Hopedale Manufacturing Company. (See Draper and Northrop, assignors.)
Hopedale Manufacturing Company. (See Northrup, Jonas, assignor.)
Hopedale Manufacturing Company. (See Smith, Charles A., assignor.)
Hopf, Rudolph A., and C. Maas, New York, N. Y. Joint for doll-heads and the like. No. 1,273,061; July 16; v. 252; p. 707.
Hopkins, Arthur C., assignor to Mid-West Manufacturing Company, Sioux Falls, S. D. Roller-jack for vehicles. No. 1,280,472; Oct. 1; v. 255; p. 99.
Hopkins, Arthur C., assignor to Mid-West Manufacturing Company, Sioux Falls, S. D. Automobile roller-jack. No. 1,280,473; Oct. 1; v. 255; p. 99.
Hopkins, Arthur C., Minneapolis, Minn., assignor to Mid-West Manufacturing Company, Sioux Falls, S. D. Vehicle roller-jack. No. 1,280,474; Oct. 1; v. 255; p. 99.
Hopkins, Arthur C., Minneapolis, Minn., assignor to Mid-West Manufacturing Company, Sioux Falls, S. D. Vehicle roller-jack. No. 1,280,475; Oct. 1; v. 255; p. 100.
Hopkins, Arthur C., Minneapolis, Minn., assignor to Mid-West Manufacturing Company, Sioux Falls, S. D. Roller-jack for vehicles. No. 1,280,476; Oct. 1; v. 255; p. 100.
Hopkins, Charles E., Taunton, Mass. Machine for making stereotype printing-plates. No. 1,268,463; June 4; v. 251; p. 113.
Hopkins, Charles E., Taunton, Mass. Machine for making stereotype printing-plates. No. 1,286,323; Dec. 3; v. 257; p. 34.
Hopkins, Charles E., New York, N. Y. Curved-stereotype-plate-making machine. No. 1,284,193; Nov. 5; v. 256; p. 199.
Hopkins, Charles E., New York, N. Y. Machine for making curved stereotype printing-plates. No. 1,286,322; Dec. 3; v. 257; p. 34.
Hopkins, Charles E., New York, N. Y. Machine for casting and finishing curved stereotypes. No. 1,286,324; Dec. 3; v. 257; p. 34.
Hopkins, Charles E., New York, N. Y. Flat-stereotype-plate-casting apparatus. No. 1,287,998; Dec. 17; v. 257; p. 514.
Hopkins, Charles E., Plainfield, N. J. Machine for making curved stereotype printing-plates. No. 1,286,325; Dec. 3; v. 257; p. 35.
Hopkins, Charles E., Plainfield, N. J. Conveyor for curved stereotype printing-plates. No. 1,286,883; Dec. 3; v. 257; p. 166.
Hopkins, Charles E., Plainfield, N. J. Flat-stereotype-plate-casting apparatus. No. 1,287,999; Dec. 17; v. 257; p. 514.
Hopkins, Charles E., Plainfield, N. J. Machine for making stereotype printing-plates. No. 1,288,000; Dec. 17; v. 257; p. 515.
Hopkins, Charles E., Plainfield, N. J. Machine for casting curved stereotype printing-plates. No. 1,288,001; Dec. 17; v. 257; p. 515.
Hopkins, Charles E., Plainfield, N. J. Casting-box for flat stereotype-plates. No. 1,288,414; Dec. 17; v. 257; p. 614.
Hopkins, Charles E., Emilie, Pa. Game of cards. No. 1,287,317; Dec. 10; v. 257; p. 314.
Hopkins, Claude S., Dayton, Ohio. Couch fabric. No. 1,276,919; Aug. 27; v. 253; p. 808.
Hopkins, Edwin S., Jr., New York, N. Y. Vivigraph record and process. No. 1,286,637; Dec. 3; v. 257; p. 111.
Hopkins, Edwin S., Jr., New York, N. Y. Vivigraphic film and process. No. 1,286,638; Dec. 3; v. 257; p. 111.
Hopkins, Ephraim S., assignor of one-third to E. Grinnell, Tacoma, Wash. Sash-balance. No. 1,256,133; Feb. 12; v. 247; p. 337.
Hopkins, Frank F., Seattle, Wash. Refuse-burner. No. 1,276,920; Aug. 27; v. 253; p. 809.
Hopkins, Henry, assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Shaft-balancing machine. No. 1,252,695; Jan. 8; v. 246; 396.
Hopkins, Henry, asignor to Continental Motors Corporation, Detroit, Mich. Balancing-clip for shafts. No. 1,275,429; Aug. 13; v. 253; p. 330.
Hopkins, Hubert J., San Francisco, Cal. Automatic churn-valve. No. 1,280,477; Oct. 1; v. 255; p. 100.
Hopkins, James R., assignor of one-half to W. C. Woods, Vine Grove, Ky. Curtain-stretcher. No. 1,255,010; Jan. 29; v. 246; p. 1145.
Hopkins, Louis M. (See Hipwell and Hopkins.)
Hopkins, Marcus C. (See Rosenthal and Hopkins.)
Hopkins, Marcus C., Jersey City, N. J., assignor, by mesne assignments, to Lektophone Corporation, New York, N. Y. Sound-regenerating machine. No. 1,271,527; July 2; v. 252; p. 215.
Hopkins, Marcus C., assignor, by mesne assignments, to Lektophone Corporation, New York, N. Y. Sound-regenerating machine. No. 1,271,528; July 2; v. 252; p. 216.
Hopkins, Marcus C., assignor, by mesne assignments, to Lektophone Corporation, New York, N. Y. Acoustic device. No. 1,271,529; July 2; v. 252; p. 216.
Hopkins, Marcus C., Jersey City, N. J., and L. W. Rosenthal, New York, N. Y.; said Hopkins assignor to said Rosenthal. Adding mechanism. No. 1,281,163; Oct. 8; v. 255; p. 316.
Hopkins, Samuel T., Sterling, Kans. Refrigerator. No. 1,279,869; Sept. 24; v. 254; p. 771.
Hopkins, Selden R., Chicago, Ill. Adjustable shade or map roll. No. 1,253,382; Jan. 15; v. 246; p. 629.
Hopkins, Truman P., assignor of one-half to W. M. Cross, Seattle, Wash. Curtain-fixture. No. 1,276,365; Aug. 20; v. 253; p. 622.
Hopkins, Vincent, Columbus, Ohio. Automobile-radiator attachment. No. 1,288,590; Dec. 24; v. 257; p. 686.
Hopkins, Walter L., Sutton, W. Va. Transporting-vehicle for grain-shocks. No. 1,276,064; Aug. 20; v. 253; p. 538.
Hopkins, William A. (See Stebbins and Hopkins.)
Hopkinson, Ernest, New York, N. Y. Making casings of pneumatic tires for vehicles. No. 1,289,767; Dec. 31; v. 257; p. 998.
Hopkinson, Ernest, New York, N. Y. Apparatus for manufacturing pneumatic tires for vehicles. No. 1,289,768; Dec. 31; v. 257; p. 998.
Hopkinson, Ernest, New York, N. Y. Mold for pneumatic tires for vehicles. No. 1,289,769; Dec. 31; v. 257; p. 999.
Hopkinson, Ernest, New York, N. Y. Mold for pneumatic tires for vehicles. No. 1,289,770; Dec. 31; v. 257; p. 999.
Hopkinson, Ernest, New York, N. Y. Making casings of pneumatic tires for vehicles. No. 1,289,771; Dec. 31; v. 257; p. 999.
Hopkinson, Ernest, New York, N. Y. Manufacturing pneumatic tires for vehicles. No. 1,289,772; Dec. 31; v. 257; p. 999.
Hopkinson, Ernest, New York, N. Y. Apparatus for use in vulcanizing pneumatic-tire casings for vehicles. No. 1,289,773; Dec. 31; v. 257; p. 1000.
Hopkinson, Ernest, New York, N. Y. Apparatus for manufacturing pneumatic tires for vehicles. No. 1,289,774; Dec. 31; v. 257; p. 1000.
Hopkinson, Ernest, New York, N. Y. Apparatus for building pneumatic tires for automobiles. No. 1,289,775; Dec. 31; v. 257; p. 1000.
Hopkinson, Joseph, assignor to The Computing Scale Company, Dayton, Ohio. Last-slice holder. No. 1,251,525; Jan. 1; v. 246; p. 22.
Hopkinson, Joseph, Dayton, Ohio, and F. Thomas, New York, N. Y., assignors to The Computing Scale Company, Dayton, Ohio. Knife-guard and grinding device for meat-slicers. No. 1,263,414; Apr. 23; v. 249; p. 761.
Hopkinson, Joseph, and C. H. Maltby, assignors to The Computing Scale Company, Dayton, Ohio. Feeding mechanism for meat-slicing machines. No. 1,284,684; Nov. 12; v. 256; p. 351.
Hopkinson, Richard O. (See Gale and Hopkinson.)
Hoppe, George O., Charlotte, Ill. Seed-planting machine. No. 1,279,545; Sept. 24; v. 254; p. 676.
Hoppe, George O., Charlotte, Ill. Spot or hill marker for seed-planting machines. No. 1,279,546; Sept. 24; v. 254; p. 676.
Hoppe, George O., Charlotte, Ill. Seed-planting machine. No. 1,284,107; Nov. 5; v. 256; p. 177.
Hopper, Susie M., Hays, Kans. Quilt-fastener. No. 1,277,725; Sept. 3; v. 254; p. 110.
Hoppes, Charles E., Springfield, Ohio. Coupling for tubular framework. No. 1,263,249; Apr. 16; v. 249; p. 695.
Hoppes, Ernest G., *et al.* (See Conard, Abraham N., assignor.)
Hoppes, William C., Dawson, Nebr. Disk-sharpener. No. 1,268,974; June 11; v. 251; p. 274.
Hoppie, Charles W., assignor of one-third to S. Rudin and one-third to H. Marsey, Buffalo, N. Y. Window-operating device. No. 1,254,502; Jan. 22; v. 246; p. 968.
Hopping, Daniel A., Sturgis, Mich. Sheet-stapling machine. No. 1,276,528; Aug. 20; v. 253; p. 667.
Hopping, Daniel A., Sturgis, Mich. Book-making machine. No. 1,282,834; Oct. 29; v. 255; p. 869.
Hoque, James V., Long Beach, Cal. Automobile-signal. No. 1,273,611; July 23; v. 252; p. 881.
Horcasitas, Antonio, and M. Ruelas, Los Angeles, Cal. Bracelet-case. No. 1,264,650; Apr. 30; v. 249; p. 1137.
Horlick, William, Jr. (See Strasburger, Frank C. H., assignor.)
Horlick, William, Jr., Racine, Wis. Food compound and making the same. No. 1,260,542; Mar. 26; v. 248; p. 851.
Hörlin, Albin F. (See Lindberg and Hörlin.)

Hormes, William T., Govans, assignor to S. Himmel, Baltimore, Md. Caster. No. 1,274,165; July 30; v. 252; p. 1072.
Hormes, William T., Govans, assignor to S. Himmel, Baltimore, Md. Spacing device for display-trays. No. 1,277,340; Aug. 27; v. 253; p. 919.
Hormes, William T., Govans, assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,283,518; Nov. 5; v. 256; p. 22.
Hormes, William T., Govans, assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,284,685; Nov. 12; v. 256; p. 352.
Hormes, William T., Govans, assignor to S. Himmel, Baltimore, Md. Drawer-stop. No. 1,285,708; Nov. 26; v. 256; p. 688.
Horn, Abraham E., New York, N. Y. Rendering concrete resistant to moisture. No. 1,255,116; Jan. 29; v. 246; p. 1175.
Horn, Charles A., Woodhaven, N. Y., assignor of one-fourth to W. Everitt, East Orange, and one-fourth to H. E. Lombard, Bloomfield, N. J. Attachment for umbrellas. No. 1,251,526; Jan. 1; v. 246; p. 23.
Horn, Charles A., Woodhaven, N. Y., assignor of one-fourth to W. E. Rundle, East Orange, and one-fourth to H. E. Lombard, Bloomfield, N. J. Furnace-grate. No. 1,261,389; Apr. 2; v. 249; p. 113.
Horn, Charles A., New York, N. Y., assignor of one-fourth to W. E. Rundle, East Orange, and one-fourth to H. E. Lombard, Bloomfield, N. J. Automatic furnace-grate. No. 1,271,710; July 9; v. 252; p. 301.
Horn, Edward J., Royal Oak, and F. Lindhorst, assignors to Detroit Torch & Manufacturing Co., Detroit, Mich. Torch. No. 1,275,260; Aug. 13; v. 253; p. 284.
Horn, Edward J., Royal Oak, and F. Lindhorst, assignors to Detroit Torch & Manufacturing Co., Detroit, Mich. Torch. No. 1,287,692; Dec. 17; v. 257; p. 437.
Horn, Ernest H., assignor to Waterbury Clock Co., Waterbury, Conn. Gearing unit for time-trains. No. 1,271,318; July 2; v. 252; p. 159.
Horn, Frank M., Marmarth, N. D. Plowshare. No. 1,253,177; Jan. 8; v. 246; p. 538.
Horn, Frederick W., Dayton, Ohio. Direction-indicator for automobiles. No. 1,255,883; Feb. 12; v. 247; p. 263.
Horn & Hardart Company. (See Hardart, Frank, Jr., assignor.)
Horn, Jacob S., Muenster, Tex. Broom-rack. No. 1,272,265; July 9; v. 252; p. 457.
Horn, Joe, Los Angeles, Cal. Rubber-set riffle for ore-concentrators and the like. No. 1,270,618; June 25; v. 251; p. 783.
Horn, Joe, Ray, Ariz. Rubber-set riffle. No. 1,276,529; Aug. 20; v. 253; p. 668.
Horn, John, Kansas City, Mo. Automatic reverser. No. 1,257,352; Feb. 26; v. 247; p. 766.
Horn, Mary C., Muenster, Tex. Preparing carrot flakes. No. 1,272,266; July 9; v. 252; p. 457.
Horn, Walter M. W., Teplitz, Austria. Ceramic moldable composition. No. 1,251,888; Jan. 1; v. 246; p. 134.
Hornbeck, Richard E., Richmond, Cal. Ship and boat construction. No. 1,266,469; May 14; v. 250; p. 468.
Hornberger, Frederick J., Bridgeport, Conn. Stop mechanism for phonographs. No. 1,287,693; Dec. 17; v. 257; p. 437.
Hornburg, Charles A., Devine, Tex. Air-intake device. No. 1,255,011; Jan. 29; v. 246; p. 1146.
Horne, James. (See Dawson and Horne.)
Horne, James A., Denver, Colo. Propelling mechanism. No. 1,274,044; July 30; v. 252; p. 1038.
Horne, James A., Denver, Colo. Propeller device for aeroplanes. No. 1,279,698; Sept. 24; v. 254; p. 721.
Horne, James A., Denver, Colo., assignor, by mesne assignments, to E. L. Clover. Propelling mechanism. No. 1,274,043; July 30; v. 252; p. 1038.
Horne, Lawrence W., Woodridge, and W. N. Crane, Ridgefield Park, N. J. Magnetic control for trains. No. 1,256,019; Feb. 12; v. 247; p. 302.
Horne, Lawrence W., assignor to Lord Manufacturing Co., New York, N. Y. Brake-operating mechanism. No. 1,261,934; Apr. 9; v. 249; p. 297.
Horne, Robert A., Birmingham, Ala. Power-press. No. 1,266,684; May 21; v. 250; p. 560.
Hornecker, Edward J., Augusta, Ill. Silo. No. 1,277,419; Sept. 3; v. 254; p. 25.
Horner, Everett V., *et al.* (See Smith, Elta C., assignor.)
Horner, Lindsay M. (See Huff and Horner.)
Horney, Odus C. (See Jackson, Louis L., assignor.)
Horning, Herman G., New York, N. Y. Spark-plug. No. 1,272,954; July 16; v. 252; p. 679.
Hornor, Levi, Wichita, Kans. Automatic safety-stop for automobiles. No. 1,276,921; Aug. 27; v. 253; p. 809.
Hornor, Lynn S. (See Devericks, Filmore C., assignor.)
Hornor, Ralph W., Berkeley, Cal. Process of and apparatus for removing water from oil. No. 1,284,343; Nov. 12; v. 256; p. 267.
Hornsey, John W., Summit, N. J., assignor to Mineral Products Corporation, New York, N. Y. Purification of alumina. No. 1,255,749; Feb. 5; v. 247; p. 184.
Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Flexible joint. No. 1,263,415; Apr. 23; v. 249; p. 762.
Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Gas-producer. No. 1,267,410; May 28; v. 250; p. 789.
Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Making producer-gas. No. 1,270,949; July 2; v. 252; p. 55.
Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Separating borax and potassium chlorid. No. 1,288,591; Dec. 24; v. 257; p. 686.
Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Obtaining potassium chlorid from brines. No. 1,288,592; Dec. 24; v. 257; p. 686.
Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Separating salts from a mixture of salts in solution. No. 1,288,593; Dec. 24; v. 257; p. 686.
Hornung, Julius E., Ann Arbor, Mich. Dispensing device. No. 1,287,023; Dec. 10; v. 257; p. 240.
Horowitz, Samuel. (See Beckwith, Harry W., assignor.)
Horsfield, Harrison, assignor to John Crossley & Sons, Limited, Halifax, England. Manufacture of carpets and the like. No. 1,261,536; Apr. 2; v. 249; p. 155.
Horsley, David. (See Horsley, William and D.)
Horsley, David, Bayonne, N. J. Moving-picture camera and vision-picture attachment. No. 1,288,894; Dec. 24; v. 257; p. 758.
Horsley, William. (See Taylor and Wheatly, assignors.)
Horsley, William and D., Bayonne, N. J. making films for motion-pictures. No. 1,280,735; Oct. 8; v. 255; p. 197.
Horsman, Thomas, Chicago, Ill., assignor to Chicago Belting Company. Belt-cutting machine. No. 1,254,806; Jan. 29; v. 246; p. 1087.
Horst, Szczepan and W., Buffalo, N. Y. Fire-alarm box. No. 1,271,469; July 2; v. 252; p. 199.
Horst, Waclaw. (See Horst, Szczepan and W.)
Horster, Charles, Haileybury, assignor of one-half to M. Madorski, Gow-Gauda, Ontario, Canada. Resilient wheel. No. 1,265,660; May 7; v. 250; p. 213.
Horstman, Herman D., Syracuse, Nebr. Burial-vault. No. 1,271,708; July 9; v. 252; p. 301.
Horstmann, Frederick W., Kearney, N. J. Centrifugal separator. No. 1,253,037; Jan. 8; v. 246; p. 498.
Horstmann, William H., Overbrook, Pa. Shock-absorber. No. 1,252,006; Jan. 1; v. 246; p. 166.
Horten, Charles R., *et al.* (See Di Benedetto, Paolo, assignor.)
Horton, Aaron. (See Cline and Horton.)
Horton, Aaron and S., Coleman, Mich. Transportation system. No. 1,274,716; Aug. 6; v. 253; p. 108.
Horton, Albert F., Wakefield, assignor to Boston Auto Gage Company, Boston, Mass. Liquid-gage. No. 1,278,469; Sept. 10; v. 254; p. 332.
Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit-controller. No. 1,256,800; Feb. 19; v. 247; p. 569.
Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,268,574; June 4; v. 251; p. 143.
Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller. No. 1,269,183; June 11; v. 251; p. 331.
Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Panel construction. No. 1,281,376; Oct. 15; v. 255; p. 407.
Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,282,836; Oct. 29; v. 255; p. 869.
Horton, Allen A., Highland Park, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,282,425; Oct. 22; v. 255; p. 729.
Horton, Bryson D., Detroit, Mich. Connector. No. 1,273,224; July 23; v. 252; p. 778.
Horton, Bryson D., Detroit, Mich. Combined entrance-switch and service-box. No. 1,280,479; Oct. 1; v. 255; p. 101.
Horton, Bryson D., Detroit, Mich., assignor, by mesne assignments, to Economy Fuse and Manufacturing Company, Chicago, Ill. Electrical fuse. No. 1,280,478; Oct. 1; v. 255; p. 101.
Horton, Bryson D., Detroit, and F. Zenker, Highland Park, assignors to Detroit Fuse & Mfg. Company, Detroit, Mich. Connector. No. 1,273,225; July 23; v. 252; p. 778.
Horton, Charles M., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Presser mechanism for sewing-machines. No. 1,279,112; Sept. 17; v. 254; p. 535.
Horton, Charles S., Huntley, Mont. Glare-deflector. No. 1,273,934; July 30; v. 252; p. 1008.
Horton, Frederick W. (See Cleaves and Horton.)
Horton, Gilbert R., and J. M. Miller, Jamestown, N. D. Shutter-operating attachment for cameras. No. 1,277,592; Sept. 3; v. 254; p. 72.
Horton Manufacturing Company, The. (See Holmes, Leonard W., assignor.)
Horton, Robert E., Albany, N. Y. Pipe-joint. No. 1,272,267; July 9; v. 252; p. 458.
Horton, Salyer. (See Horton, Aaron and S.)
Horváth, Charles, New Brunswick, N. J. Combination button-fastener and eyeleting tool. No. 1,271,711; July 9; v. 252; p. 302.
Horvath, Steve K., Milwaukee, Wis. Milk-boiler. No. 1,287,318; Dec. 10; v. 257; p. 314.

Alphabetical list of patentees—Continued.

Horwitz, Alexander, New York, N. Y. Soap container and deliverer. No. 1,259,741; Mar. 19; v. 248; p. 585.
Horwitz, Alexander, New York, N. Y. Soap container and deliverer. No. 1,285,186; Nov. 19; v. 256; p. 519.
Hosack, James L., assignor to Standard Tube & Fence Co., Ltd., Woodstock, Ontario, Canada. Machine for forming tubes. No. 1,266,470; May 14; v. 250; p. 468.
Hosch, Annie M., administratrix. (See Hosch, Walter E.)
Hosch, Walter E., deceased, St. Louis, Mo.; A. M. Hosch, administratrix. Roller construction. No. 1,288,002; Dec. 17; v. 257; p. 515.
Hosch, Walter E., assignor to Measuregraph Company, St. Louis, Mo. Winding-drum. No. 1,253,243; Jan. 15; v. 246; p. 586.
Hoschke, Frederick A., Springfield, Mass. Instrument for measuring wave frequency. No. 1,278,470; Sept. 10; v. 254; p. 332.
Hosford, Leonard V., and J. F. Stedman, Portland, Oreg. Table. No. 1,282,580; Oct. 22; v. 255; p. 771.
Hosick, Jennie M., and A. D. Lowenthal, Louisville, Ky.; said Lowenthal assignor to said Hosick. Chair-supporting truck. No. 1,251,777; Jan. 1; v. 246; p. 100.
Hoskin, Ora E., Pasadena, Cal. Bench-clamp. No. 1,259,742; Mar. 19; v. 248; p. 585.
Hosking, Richard T., assignor to American Banking Machine Corporation, Saginaw, Mich. Coin-stacking device for vending-machines. No. 1,260,382; Mar. 26; v. 248; p. 805.
Hosking, Richard T., assignor to American Banking Machine Corporation, Saginaw, Mich. Safety-lock for coin-actuated machines. No. 1,260,997; Mar. 26; v. 248; p. 979.
Hosking, Richard T., assignor to American Banking Machine Corporation, Saginaw, Mich. Coin-guard for vending-machines. No. 1,278,349; Sept. 10; v. 254; p. 302.
Hosner, Ralph B. (See Malley, Brewer, and Hosner.)
Hosogai, Takuji, Los Angeles, Cal. Tobacco-receptacle. No. 1,265,916; May 14; v. 250; p. 318.
Hossick, Lloyd D., Detroit, Mich. Egg-poacher. No. 1,285,709; Nov. 26; v. 256; p. 688.
Hoster, Manfred T., St. Peters, Pa. Shoveling or mucking machine. No. 1,277,214; Aug. 27; v. 253; p. 888.
Hotaling, George P., executor. (See Knieriem, Edward A.)
Hotaling, Omar J., Lyons Farms, N. J., assignor to The American Newsvender Corporation, New York, N. Y. Newspaper-vending machine. No. 1,285,187; Nov. 19; v. 256; p. 519.
Hotchkiss, Charles R., Oakland, Cal. Combination tractor and vehicle. No. 1,278,658; Sept. 10; v. 254; p. 384.
Hotchkiss, Joseph J., Raleigh, N. C. Dispensing apparatus. No. 1,261,935; Apr. 9; v. 249; p. 298.
Hotchner, Fred, San Francisco, Cal. Flasher. No. 1,280,034; Sept. 24; v. 254; p. 817.
Hotchner, Joseph, San Francisco, Cal. Illuminated sign. No. 1,259,237; Mar. 12; v. 248; p. 410.
Hoteling, Arnold M., Gerlaw, Ill. Fence fabric. No. 1,285,710; Nov. 26; v. 256; p. 688.
Hotham, John, Fort Pierce, Fla. Fork. No. 1,274,358; July 30; v. 252; p. 1123.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Bucket. No. 1,264,521; Apr. 30; v. 249; p. 1100.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Shipping and marketing container. No. 1,266,685; May 21; v. 250; p. 561.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Stiffener for cans. No. 1,281,377; Oct. 15; v. 255; p. 407.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y., Container. No. 1,284,686; Nov. 12; v. 256; p. 352.
Hotpoint Electric Heating Company. (See Meredith, Wynn, assignor.)
Hotsinpiller, Rolandus G., Bridgeport, Ill. Transmission-gearing. No. 1,271,319; July 2; v. 252; p. 160.
Hottenroth, Frederick W., New York, N. Y. Tread attachment for vehicle-wheels. No. 1,269,446; June 11; v. 251; p. 403.
Hottinger, Emil, Philadelphia, Pa. Cage for antifriction-bearings. No. 1,252,007; Jan. 1; v. 246; p. 166.
Hottinger, Friedrich, Arlesheim, near Basel, Switzerland. Chuck. No. 1,263,894; Apr. 23; v. 249; p. 893.
Houchin, Alfred W., Kirkwood, N. J. Safety cut-out for incandescent electric lamps. No. 1,280,227; Oct. 1; v. 255; p. 31.
Houck, Adam G., Manchester, Mich. Screen. No. 1,289,778; Dec. 31; v. 257; p. 1001.
Houck, Edgar G., La Grande, Oreg. Combined dentist's lamp-holder and mirror. No. 1,283,189; Oct. 29; v. 255; p. 965.
Houck, Ralph M. (See Schoenman and Houck.)
Houff, Jacob M., Madison, Va., assignor of one-half to P. L. Hargett, Frederick, Md. Rope or cable securing device. No. 1,262,951; Apr. 16; v. 249; p. 611.
Hougen, Essie E., Maidstone, Saskatchewan, Canada. Garment-fastener. No. 1,260,383; Mar. 26; v. 248; p. 805.
Hougen, Martin A., Minneapolis, Minn. Air-gage. No. 1,289,451; Dec. 31; v. 257; p. 921.
Hougendougler, Daniel, assignor of one-half to P. T. Byram, Harrisonville, Mo. Steering device for harvesting-machines. No. 1,279,870; Sept. 24; v. 254; p. 772.
Hough, Azel C., Janesville, Wis. Porch-shade. No. 1,252,112; Jan. 1; v. 246; p. 197.
Hough, Azel C., assignor to Hough Shade Corporation, Janesville, Wis. Shade-fixture. No. 1,252,113; Jan. 1; v. 246; p. 197.
Hough, Charles R., Washington, D. C. Wind-shield attachment. No. 1,272,955; July 16; v. 252; p. 679.
Hough, James F., Southport, England. Tricycle specially applicable for invalids or the like. No. 1,269,815; June 18; v. 251; p. 539.
Hough, Robert H., Philadelphia, Pa. Method of imparting, converting, and utilizing energy in connection with a compressible fluid medium and apparatus for employing said method. No. 1,256,231; Feb. 12; v. 247; p. 368.
Hough, Samuel, Atco, N. J., assignor of one-half to T. A. Schmitt, Philadelphia, Pa. Adjustable and improved cutting-head for boring out shells. No. 1,251,527; Jan. 1; v. 246; p. 23.
Hough, Samuel, Atco, assignor of one-third to W. H. Pittenger, one-third to G. Gray, Camden, N. J., and one-third to Electric Cushioned Armor Company. Cushioned armor. No. 1,262,346; Apr. 9; v. 249; p. 411.
Hough Shade Corporation. (See Hough, Azel C., assignor.)
Hough, William B., Chicago, Ill., assignor to Patented Devices Company, Portland, Me. Reinforced concrete construction. No. 1,275,430; Aug. 13; v. 253; p. 330.
Hough, William B., Chicago, Ill., assignor, by mesne assignments, to Patented Devices Company, Portland, Me. Combination tie and gage member for reinforced concrete construction. No. 1,276,922; Aug. 27; v. 253; p. 809.
Houghland, Frank H., Cincinnati, Ohio. Pasteboard container. No. 1,288,895; Dec. 24; v. 257; p. 759.
Houghland, Frank H., assignor to The Economy Folding Box Co., Cincinnati, Ohio. Folding container. No. 1,253,489; Jan. 15; v. 246; p. 659.
Houghtaling, Walter A., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Auxiliary signal arrangement for printing-telegraph systems. No. 1,275,559; Aug. 13; v. 253; p. 365.
Houghton, Orley C., assignor to F. C. Austin, Chicago, Ill. Mud-lug for traction elements. No. 1,258,683; Mar. 12; v. 248; p. 253.
Houghton, Orley C., assignor to F. C. Austin, Chicago, Ill. Motor-driven vehicle. No. 1,270,826; July 2; v. 252; p. 20.
Houghton, Orley C., assignor to F. C. Austin, Chicago, Ill. Endless track-band for motor-vehicles. No. 1,278,150; Sept. 10; v. 254; p. 247.
Houghton, Orley C., assignor to F. C. Austin, Chicago, Ill. Trailer for motor-vehicles. No. 1,278,931; Sept. 17; v. 254; p. 488.
Houlhahen, Jerry J. (See Back, Weible, and Houlahen.)
Housdorfer, George W., Toledo, Ohio. Surgical knife. No. 1,261,815; Apr. 9; v. 249; p. 266.
House, Elena B., Hood, Cal. Funnel-strainer. No. 1,286,639; Dec. 3; v. 257; p. 111.
House, Elena B., Reno, Nev. Broiler. No. 1,286,640; Dec. 3; v. 257; p. 112.
House, George E., *et al.* (See Ebeling, Charles W., assignor.)
House, Henry A., Bridgeport, Conn. Connecting device, particularly for sectional barrel-heads. No. 1,268,352; June 4; v. 251; p. 80.
House, Luzerne W., Waterloo, N. Y. Lap-robe. No. 1,282,581; Oct. 22; v. 255; p. 771.
Houseman, Charles, Rochester, N. Y. Printing-machine. No. 1,288,896; Dec. 24; v. 257; p. 759.
Houseman, Charles, Rochester, assignor to Underwood Typewriter Co., New York, N. Y. Printing-machine. No. 1,270,827; July 2; v. 252; p. 21.
Houseman, Harold E., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine. No. 1,288,594; Dec. 24; v. 257; p. 687.
Houser, Alfred C. (See Hansen and Houser.)
Houser, Arnold E., Brooklyn, N. Y. Automatic clutch for steering devices. No. 1,285,153; Nov. 19; v. 256; p. 509.
Housholder, Minnie A., Chicago, Ill. Portable adjustable adjusting-table for chiropractic use. No. 1,276,655; Aug. 20; v. 253; p. 702.
Houskeeper, William G., Philadelphia, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric conductor. No. 1,271,320; July 2; v. 252; p. 160.
Housley, Evelyn. (See Housley, Robert B., assignor.)
Housley, Robert B., assignor of one-half to E. Housley, Los Angeles, Cal. Wheel-hub. No. 1,262,952; Apr. 16; v. 249; p. 611.
Houston, Constance M. M., Papanui, New Zealand. Receptacle for containing liquids. No. 1,261,028; Apr. 2; v. 249; p. 11.
Houston, George D., Rushville, Ill. Three-horse drop-sevener. No. 1,280,736; Oct. 8; v. 255; p. 198.
Houston, George D., Rushville, Ill. Foot pressure-distributer for two-row cultivators. No. 1,281,963; Oct. 15; v. 255; p. 562.
Houston, Joseph F., Philadelphia, Pa. Compound for waxing or lubricating yarns and threads. No. 1,277,215; Aug. 27; v. 253; p. 888.

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Hout, Katherine C., Albany, N. Y. Umbrella construction. No. 1,264,075; Apr. 23; v. 249; p. 942.
Hout, Katherine C., Albany, N. Y. Umbrella-cover attachment. No. 1,264,076; Apr. 23; v. 249; p. 943.
Hovas, John N., Chicago, Ill. Shock-absorber. No. 1,269,606; June 18; v. 251; p. 480.
Hove, Edward, Marysville, Cal. Lubricating mechanism. No. 1,256,020; Feb. 12; v. 247; p. 303.
Hover, John J., Denver, Colo. Wind-shield for automobiles. No. 1,269,447; June 11; v. 251; p. 404.
Hover, Venn K., Fredonia, N. Y. Automobile-tire. No. 1,288,415; Dec. 17; v. 257; p. 614.
Hovey, Mark H. (See Julian, Hovey, and Clark.)
Hovey, Otis E., New York, N. Y., and C. W. Chase, Gary, Ind. Center-bearing. No. 1,276,530; Aug. 20; v. 253; p. 668.
Hovland, Henry, East Orange, N. J., assignor to Automatic Electric Company, Chicago, Ill. Party-line telephone system. (Reissue.) No. 14,430; Feb. 5; v. 247; p. 210.
Hovland, Henry, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-transmitter. No. 1,271,164; July 2; v. 252; p. 116.
Howard, A. M., *et al.* (See Mershon, Arthur U., assignor.)
Howard, Charles, and H. Lawson, assignors of one-third to A. M. Imhoff, Holtville, Cal. Wheel. No. 1,253,975; Jan. 15; v. 246; p. 796.
Howard, Charles H., Saugus, assignor to Paper Products Machine Company, Boston, Mass. Paper-reinforcing machine. No. 1,278,471; Sept. 10; v. 254; p. 332.
Howard, Charles L., Chicago, Ill. Illuminating device. No. 1,256,232; Feb. 12; v. 247; p. 368.
Howard, Charles S., Brownsville, Tex. Irrigation device. No. 1,281,008; Oct. 8; v. 255; p. 272.
Howard, Ernest E. (See Harrington, Howard and Ash.)
Howard, Francis A., Niagara Falls, N. Y. Extraction of lighter hydrocarbons from heavier hydrocarbons, and especially of gasolene and other products from kerosene. No. 1,284,687; Nov. 12; v. 256; p. 352.
Howard, Frank H., Reading, Pa. Chain-link-forming machine. No. 1,271,165; July 2; v. 252; p. 116.
Howard, Frank W., New York, N. Y. Umbrella-runner. No. 1,255,609; Feb. 5; v. 247; p. 144.
Howard, Frank W., New York, N. Y. Umbrella-runner. No. 1,268,354; June 4; v. 251; p. 81.
Howard, Frank W., New York, N. Y. Umbrella. No. 1,273,861; July 30; v. 252; p. 986.
Howard, Frank W., New York, and George B. Cannon, Jr., Brooklyn, N. Y. Umbrella. No. 1,265,704; May 7; v. 250; p. 225.
Howard, Frank W., and H. M. Brown, New York, N. Y. Umbrella-runner. No. 1,268,353; June 4; v. 251; p. 80.
Howard, Frederick C., Fairfield, near Sydney, New South Wales, Australia. Oar-loom button. No. 1,286,005; Nov. 26; v. 256; p. 764.
Howard, George A., and G. L. Slater, assignors of one-half to F. S. Whitman, deceased, Buchanan, Mich.; M. D. Whitman, administratrix. Perambulator. No. 1,266,471; May 14; v. 250; p. 468.
Howard, George E., Butler, assignor to The Pittsburgh Plate Glass Company, Pittsburgh, Pa. Delivering glass from furnaces. No. 1,255,884; Feb. 12; v. 247; p. 263.
Howard, Guy C., Tacoma, Wash. Process and apparatus for treating paper-pulp. No. 1,258,568; Mar. 5; v. 248; p. 181.
Howard, Henry, Brookline, Mass. Liquid-feeding apparatus. No. 1,265,333; May 7; v. 250; p. 126.
Howard, Henry, Brookline, Mass., assignor to General Chemical Company. Making carbon dioxid and solid sodium sulfite. No. 1,266,595; May 21; v. 250; p. 534.
Howard, Henry, Brookline, and F. G. Stantial, Melrose, Mass. Recovering sulfur dioxid from furnace-gases. No. 1,271,899; July 9; v. 252; p. 352.
Howard, Horace E., and J. T. Titsworth, San Dimas, Cal. Furrowing-machine. No. 1,276,531; Aug. 20; v. 253; p. 668.
Howard, Ira T., Goshen, Ind. Planer. No. 1,264,934; May 7; v. 250; p. 17.
Howard, Jewell, Stratford, Tex. Communion-service cabinet. No. 1,268,120; June 4; v. 251; p. 15.
Howard, John, Ulysses, Nebr. Tobacco-cutter. No. 1,261,537; Apr. 2; v. 249; p. 155.
Howard, John E., Davenport, Wash. Folding bed for automobiles. No. 1,268,717; June 4; v. 251; p. 183.
Howard, John H., Colfax, Wash. Tug-hook for harness. No. 1,251,528; Jan. 1; v. 246; p. 23.
Howard, Leonye V. (See Buckman, Ignatus, assignor.)
Howard, Lewis S., Chicago, Ill. Signal device. No. 1,259,516; Mar. 19; v. 248; p. 522.
Howard, Lucy V. (See Howard, William T., assignor.)
Howard, Nathaniel. (See Paige, Jeremiah A., assignor.)
Howard, Nelson F., Fairfield township, Tippecanoe county, Ind. Fence-tightening post. No. 1,287,319; Dec. 10; v. 257; p. 315.
Howard, Oliver Z. (See Cruser and Howard.)
Howard, Oliver Z., New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Mixing and agitating mechanism for extractor-vats, &c. No. 1,258,334; Mar. 5; v. 248; p. 111.
Howard, Roland E., Worcester, Mass. Mask. No. 1,286,326; Dec. 3; v. 257; p. 35.
Howard and Sons, W. G. (See Howard, William M., assignor.)
Howard, Thomas, Marshfield, Oreg. Coupling for umbrella-ribs. No. 1,264,799; Apr. 30; v. 249; p. 1175.
Howard, Walter E., Ridlonville, Me. Valve. No. 1,258,903; Mar. 12; v. 248; p. 316.
Howard, William D. M., San Francisco, Cal. Oil-burner. No. 1,269,282; June 11; v. 251; p. 360.
Howard, William D. M., assignor to H. D. Richards, San Francisco, Cal. Apparatus for saving gold and other precious metals. No. 1,257,487; Feb. 26; v. 247; p. 805.
Howard, William D. M., San Francisco, assignor of one-half to H. Leap, Camp Meeker, Cal. Automatic gearless power transmission. No. 1,269,935; June 18; v. 251; p. 571.
Howard, William H., Port Chester, N. Y. Atomizing device. No. 1,289,779; Dec. 31; v. 257; p. 1001.
Howard, William M., assignor to W. G. Howard and Sons, Blackville, S. C. Device for babbitting connecting-rods. No. 1,269,936; June 18; v. 251; p. 571.
Howard, William T., assignor to L. V. Howard, Baltimore, Md. Treatment of copper for various purposes. No. 1,257,943; Feb. 26; v. 247; p. 939.
Howarth, Francis A., and W. W. Armour, Worcester, Mass.; said Armour assignor to said Howarth. Alarm for automatic sprinklers. No. 1,263,416; Apr. 23; v. 249; p. 762.
Howarth, Francis A., and W. W. Armour, Worcester, Mass.; said Armour assignor to said Howarth. Strut for automatic sprinklers. No. 1,263,417; Apr. 23; v. 249; p. 762.
Howarth, Harry A. S., assignor to A. Kingsbury, Pittsburgh, Pa. Thrust-bearing. No. 1,265,334; May 7; v. 250; p. 126.
Howarth, Harry A. S., Pittsburgh, Pa., assignor, by mesne assignments, to Gleason Works, Rochester, N. Y. Gear-cutting machine. No. 1,286,327; Dec. 3; v. 257; p. 35.
Howarth, John F. H., Marrickville, near Sydney, New South Wales, Australia. Carbureter for internal-combustion engines. No. 1,255,610; Feb. 5; v. 247; p. 144.
Howarth, John M., Wausau, Wis. Potato-peeler. No. 1,263,672; Apr. 23; v. 249; p. 832.
Howd, Alvah J., Nampa, Idaho. Milling-machine. No. 1,284,344; Nov. 12; v. 256; p. 267.
Howd, Alvah J., Nampa, Idaho. Dirigible headlight. No. 1,284,345; Nov. 12; v. 256; p. 267.
Howden, William N., San Diego, Cal., assignor to The Auto Gas Register Company, Waterbury, Conn. Register. No. 1,286,006; Nov. 26; v. 256; p. 764.
Howe, Charles J., Detroit, Mich. Wind-shield. No. 1,283,775; Nov. 5; v. 256; p. 88.
Howe, Clarence B., Morrisville, N. Y. Rotary internal-combustion engine. No. 1,276,765; Aug. 27; v. 253; p. 769.
Howe, Ernest P., Clinton, Mass. Submarine life-boat. No. 1,259,627; Mar. 19; v. 248; p. 553.
Howe, Eugene A., Chicago, Ill. Chair. No. 1,256,902; Feb. 19; v. 247; p. 600.
Howe, Frank D., Akron, Ohio. Carbureter. No. 1,252,440; Jan. 8; v. 246; p. 322.
Howe, Fred C., New Haven, Conn. Portable fan. No. 1,254,909; Jan. 29; v. 246; p. 1120.
Howe, George A., Pittsburgh, Pa. Journal-bearing. No. 1,254,042; Jan. 22; v. 246; p. 837.
Howe, Harold A., Morrison, Ill. Cuspidor-carrier. No. 1,259,019; Mar. 12; v. 248; p. 351.
Howe, Henry P., Steep Falls, assignor to Eastern Manufacturing Company, South Brewer, Me. Means for imparting surface finish to paper. No. 1,278,659; Sept. 10; v. 254; p. 384.
Howe, James A., assignor to Taylor Instrument Companies, Rochester, N. Y. Compass. No. 1,253,197; Jan. 8; v. 246; p. 544.
Howe, James A., assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument-housing support. No. 1,272,448; July 16; v. 252; p. 535.
Howe, Junius A., assignor to J. J. Howe, New York, N. Y. Recording-register. No. 1,251,889; Jan. 1; v. 246; p. 134.
Howe, Junius J. (See Howe, Junius A., assignor.)
Howe, Olaf L., Missoula, Mont. Air-motor. No. 1,266,472; May 14; v. 250; p. 469.
Howe, Olaf L., Missoula, Mont. Air-motor. No. 1,275,030; Aug. 6; v. 253; p. 195.
Howe, Paul J., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Means for compensating for disturbances of earth potential. No. 1,254,910; Jan. 29; v. 246; p. 1120.
Howe, Perley G., Anderson, Ind. Motor-vehicle gearing No. 1,274,417; Aug. 6; v. 253; p. 21.
Howe, Perley G., and A. R. Lambert, Anderson, Ind. Motor-vehicle fire-engine. No. 1,272,956; July 16; v. 252; p. 679.
Howe, William T., Macon, Mo. Combination wagon-bed and hay-frame. No. 1,273,226; July 23; v. 252; p. 778.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Burned-out-lamp replacer. No. 1,276,766; Aug. 27; v. 253; p. 769.

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Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Circuit-controller. No. 1,276,767; Aug. 27; v. 253; p. 769.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train control. No. 1,282,582; Oct. 22; v. 255; p. 771.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electrically-operated switch-machine. No. 1,288,595; Dec. 24; v. 257; p. 687.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electrically-operated switch-machine. No. 1,288,897; Dec. 24; v. 257; p. 759.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Scraper for film-splicing machines. No. 1,254,911; Jan. 29; v. 246; p. 1120.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Stop mechanism for film-perforators and other apparatus. No. 1,262,671; Apr. 16; v. 249; p. 532.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Cinematograph or motion-picture film. No. 1,267,411; May 28; v. 250; p. 789.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Actuating mechanism for cinematographic films. No. 1,267,412; May 28; v. 250; p. 789.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Loop-forming mechanism for motion-picture apparatus. No. 1,267,413; May 28; v. 250; p. 790.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Splicing apparatus for cinematographic films. No. 1,275,431; Aug. 13; v. 253; p. 331.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Tripod-head mechanism. No. 1,276,220; Aug. 20; v. 253; p. 581.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Bed construction for film-perforating machines. No. 1,288,416; Dec. 17; v. 257; p. 614.
Howell, Alden L., Gallipolis, Ohio. Floor-key for valves. No. 1,287,320; Dec. 10; v. 257; p. 315.
Howell, Bert M., Newton, Ill. Hand blast-torch. No. 1,262,499; Apr. 9; v. 249; p. 454.
Howell, David W., Shellman, Ga. Peanut-sheller. No. 1,286,007; Nov. 26; v. 256; p. 764.
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Howell, Elias W., Camden, N. J. Rope-binding machine. No. 1,289,178; Dec. 31; v. 257; p. 852.
Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Combined cooking-stove and hot-water heater. No. 1,266,534; May 14; v. 250; p. 487.
Howell, Fred B., Schenectady, N. Y., assignor to General Electric Company. Electric locomotive. No. 1,275,924; Aug. 13; v. 253; p. 467.
Howell, Thomas M., Manchester, N. H. Shoe-cleaning device. No. 1,260,199; Mar. 19; v. 248; p. 717.
Howell, William A., and A. I. V. Wilson, Atlanta, Ga. Type-writer carriage and platen operating means. No. 1,264,800; Apr. 30; v. 249; p. 1175.
Howell, William C. (See Smith, Newton H., assignor.)
Howell, William G., Warrenton, Va. Centrifugal liquid-purifier. No. 1,257,235; Feb. 19; v. 247; p. 696.
Howells, Frank E., *et al.* (See Peris, Nicholas U., assignor.)
Howells, Thomas J. (See Jones, John T., assignor.)
Hower, George W., New York, N. Y. Steering-wheel. No. 1,262,194; Apr. 9; v. 249; p. 370.
Howes, Benjamin A. (See English, Arthur I., assignor.)
Howes, Robert V., Brooklyn, N. Y. Gas-burner. No. 1,283,776; Nov. 5; v. 256; p. 88.
Howie, John P., Columbia, S. C. Exposure-meter for cameras. No. 1,255,167; Feb. 5; v. 247; p. 16.
Howieson, John T., New York, N. Y. Recording mechanism. No. 1,260,543; Mar. 26; v. 248; p. 852.
Howieson, John T., New York, N. Y., assignor, by mesne assignments, of one-half to Burroughs Adding Machine Company, Detroit, Mich. Recording mechanism. No. 1,265,662; May 7; v. 250; p. 214.
Howland, Frank W., Chicago, Ill. Folding receptacle. No. 1,253,490; Jan. 15; v. 246; p. 660.
Howles, Walter R., assignor to W. & T. Avery, Limited, Smethwick, England. Pendulum weighing-scale. No. 1,251,529; Jan. 1; v. 246; p. 24.
Howlett, Lewis G., Bay City, Mich. Winch. No. 1,274,549; Aug. 6; v. 253; p. 60.
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Howorth, Lillian G., Wanganuin, New Zealand. Garment-suspender. No. 1,266,596; May 21; v. 250; p. 535.
Howson, Ellis E., Salt Lake City, Utah. Extracting solids. No. 1,284,346; Nov. 12; v. 256; p. 268.
Howson, Ellis E., Salt Lake City, Utah. Filtering device. No. 1,284,347; Nov. 12; v. 256; p. 268.
Howson, Henry, assignor to The Congoleum Company, Philadelphia, Pa. Pin for printing-blocks. No. 1,253,038; Jan. 8; v. 246; p. 498.
Hoxie, Bert S. (See Jensen and Hoxie.)
Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Electrical measuring apparatus and the method of operating the same. No. 1,266,473; May 14; v. 250; p. 469.
Hoy, Clarence A. (See Sells, and Hoy.)
Hoy, John E., and R. P. Place, Detroit, Mich. Grinding-wheel dresser. No. 1,276,366; Aug. 20; v. 253; p. 622.
Hoy, John E., and R. P. Place, Detroit, Mich. Grinding-wheel dresser. No. 1,287,024; Dec. 10; v. 257; p. 240.
Hoyer, Christian, assignor to Ship Builders Iron Works, Incorporated, New York, N. Y. Davit. No. 1,274,550; Aug. 6; v. 253; p. 60.
Hoyle, Aaron T., Casar, N. C. Nut-lock. No. 1,252,441; Jan. 8; v. 246; p. 322.
Hoyle, Charles C. G., and G. L. Hart, assignors to A. F. Newell, Calcutta, India. Closure for receptacles. No. 1,276,768; Aug. 27; v. 253; p. 769.
Hoyt, Daniel, East Orange, assignor of one-half to The National Lock Washer Company, Newark, N. J. Sash-lock. No. 1,253,826; Jan. 15; v. 246; p. 756.
Hoyt, Daniel, East Orange, assignor of one-half to The National Lock Washer Company, Newark, N. J. Curtain-fixture. No. 1,261,390; Apr. 2; v. 249; p. 114.
Hoyt, Frank A. (See Hill and Hoyt.)
Hoyt, Fred, Seattle, assignor to Universal High Power Telephone Company, King county, Wash. Telephone-diaphragm. No. 1,261,391; Apr. 2; v. 249; p. 114.
Hoyt, Fred S., Denver, Colo., assignor to Fuller-Stow Company, San Francisco, Cal. Apparatus for treating porous blocks. No. 1,282,837; Oct. 29; v. 255; p. 870.
Hoyt, Gabriel P. B., New York, N. Y. Wire-spoke wheel. No. 1,289,780; Dec. 31; v. 257; p. 1001.
Hoyt, Hallie R., Seattle, Wash. Demountable rim for vehicle-wheels. No. 1,257,606; Feb. 26; v. 247; p. 842.
Hoyt, Homer J., Detroit, Mich., assignor to Morgan & Wright. Mold-alining device. No. 1,256,693; Feb. 19; v. 247; p. 538.
Hoyt, Howard S., Bethel, Conn., assignor to Motor Specialties Company, Waltham, Mass. Nut or bolt holder. No. 1,257,003; Feb. 19; v. 247; p. 631.
Hoyt, Jesse D. (See Bradbury and Hoyt.)
Hoyt, John F., Newington, N. H. Bread-cuter. No. 1,274,551; Aug. 6; v. 253; p. 61.
Hoyt, Richard F., Philadelphia, Pa., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,256,309; Feb. 12; v. 247; p. 389.
Hoyt, Richard F., Philadelphia, Pa., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,280,228; Oct. 1; v. 255; p. 32.
Hoyt, Worthington, *et al.* (See Baumgardner, Frank J., assignor.)
Hoyt, Worthington, *et al.* (See Ray, Rudolph W., assignor.)
Hoyt's Incorporated. (See Gorynski, Bonifacy S., assignor.)
Hozlak, Anthony, Nanticoke, Pa. Submarine attachment. No. 1,262,500; Apr. 9; v. 249; p. 454.
Hren, Joseph, Brooklyn, N. Y. Book-backing machine. No. 1,252,114; Jan. 1; v. 246; p. 197.
Hren, Joseph, Kingston, N. Y. Tape-cutting mechanism for book-backing machines. No. 1,261,538; Apr. 2; v. 249; p. 155.
Hren, Joseph, Kingston, N. Y. Slicing and wrapping machine. No. 1,273,227; July 23; v. 252; p. 778.
Hribar, Joe, Waukegan, and H. Gibson, North Chicago, Ill. Clutch. No. 1,272,268; July 9; v. 252; p. 458.
Hruby, John O., *et al.* (See Mueller, August E., assignor.)
Hruby, Otto J., *et al.* (See Mueller, August E., assignor.)
Hruby, Thomas J., *et al.* (See Mueller, August E., assignor.)
Hruska, Anthony S., Detroit, Mich. Coaster-brake for bicycles. No. 1,281,378; Oct. 15; v. 255; p. 407.
Hruska, Frank J., assignor to Le Febure Ledger Company, Cedar Rapids, Iowa. Binder. No. 1,280,737; Oct. 8; v. 255; p. 198.
Hruska, Frank J., assignor to Le Febure Ledger Company, Cedar Rapids, Iowa. Book. No. 1,288,596; Dec. 24; v. 257; p. 687.
Hrysak, Stanley, Philadelphia, Pa. Wrench. No. 1,281,009; Oct. 8; v. 255; p. 272.
Hubback, Malcolm H., assignor of one-sixth to N. Sparks, Seattle, Wash. Internal-combustion engine. No. 1,275,925; Aug. 13; v. 253; p. 467.
Hubbard, Arthur O., Minneapolis, Minn. Tank-wall construction. No. 1,261,539; Apr. 2; v. 249; p. 156.
Hubbard, Arthur O., Minneapolis, Minn. Hoop-coupling. No. 1,286,641; Dec. 3; v. 257; p. 112.
Hubbard, Arthur O., assignor to Puffer-Hubbard Manufacturing Co., Minneapolis, Minn. Draft device or coupling for trailers. No. 1,264,651; Apr. 30; v. 249; p. 1137.
Hubbard, Cecil A., Ann Arbor, Mich. Shock-absorber. No. 1,278,350; Sept. 10; v. 254; p. 302.
Hubbard, Cecil A., Ann Arbor, Mich. Safety device for razors. No. 1,285,188; Nov. 19; v. 256; p. 519.
Hubbard, Cecil R., and H. R. Gilson, Baden, assignors to National Metal Molding Company, Pittsburgh, Pa. Electrical fitting. No. 1,274,552; Aug. 6; v. 253; p. 61.

Hubbard, Charles W., Boston, Mass. Winding and twisting apparatus. No. 1,258,411; Mar. 5; v. 248; p. 135.
Hubbard, Charles W., Weston, Mass. Twisting and winding apparatus. No. 1,258,412; Mar. 5; v. 248; p. 135.
Hubbard, Charles W., Weston, Mass. Machine for packaging tubular thread masses. No. 1,269,816; June 18; v. 251; p. 539.
Hubbard, Henry E., Oak Park, Ill. Resetting device. No. 1,266,807; May 21; v. 250; p. 595.
Hubbard, Henry E., Oak Park, assignor to Addressograph Company, Chicago, Ill. Machine for curving printing-plates. No. 1,276,532; Aug. 20; v. 253; p. 668.
Hubbard, Morris V., San Jose, Cal. Stretcher. No. 1,286,328; Dec. 3; v. 257; p. 35.
Hubbard, Richard W., Ashtabula, Ohio. Concealed hinge. No. 1,263,895; Apr. 23; v. 249; p. 894.
Hubbard, Rowland, Philadelphia, Pa., assignor to G. E. Faber, Clarksboro, N. J. Detergent. No. 1,281,010; Oct. 8; v. 255; p. 272.
Hubbard, William, Rochester, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Finishing heels. No. 1,273,062; July 16; v. 252; p. 708.
Hubbard, William, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for finishing heels. No. 1,273,063; July 16; v. 252; p. 708.
Hubbard, William, Rochester, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel. No. 1,273,492; July 23; v. 252; p. 849.
Hubbell, Clarence Z., Spokane, Wash., assignor to Hull Construction Company. Hull construction of boats. No. 1,289,781; Dec. 31; v. 257; p. 1002.
Hubbell, Harvey, Bridgeport, Conn. Stopping attachment for talking-machines. No. 1,268,121; June 4; v. 251; p. 15.
Hubbell, Harvey, Bridgeport, Conn. Flush receptacle. No. 1,275,690; Aug. 13; v. 253; p. 402.
Hubbell, Harvey, Bridgeport, Conn. Means for leveling and alining face-plates. No. 1,275,691; Aug. 13; v. 253; p. 402.
Hubbell, Harvey, Bridgeport, Conn. Adjustable supporting device for switches and receptacles. No. 1,275,692; Aug. 13; v. 253; p. 403.
Hubbell, Harvey, Bridgeport, Conn. Convertible cap for attachment-plugs. No. 1,275,693; Aug. 13; v. 253; p. 403.
Hubbell, Henry S., assignor to T. R. Almond Manufacturing Company, Ashburnham, Mass. Micrometer-calipers. No. 1,267,075; May 21; v. 250; p. 669.
Hubbell, John E., Philadelphia, Pa., assignor to L. Wilputte, New Rochelle, N. Y. Coke-oven. No. 1,254,007; Jan. 15; v. 246; p. 806.
Hube, Carl, San Francisco, Cal. Safety-guard for rotary sticker-heads. No. 1,286,329; Dec. 3; v. 257; p. 36.
Huben, Gustav A., assignor of one-half to G. W. Post, Chicago, Ill. Rubber heel. No. 1,261,392; Apr. 2; v. 249; p. 114.
Huber, Charles J. (See Morey and Huber.)
Huber, George. (See Damm and Huber.)
Huber, George T., assignor of one-half to A. S. Coffin, Gloucester, Mass. Bearing for reciprocating rods. No. 1,254,227; Jan. 22; v. 246; p. 889.
Huber, Henry A., Ottawa, Ontario, Canada. Tire. No. 1,262,953; Apr. 16; v. 249; p. 612.
Huber Mfg. Co. (See Crane, Henry H., assignor.)
Huber, Werner, Zurich, Switzerland. Automobile-towing device. No. 1,273,064; July 16; v. 252; p. 708.
Huber, William E., East Cleveland, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Bonding rails. No. 1,273,493; July 23; v. 252; p. 849.
Huberich, Henry R., Cleveland, Ohio, assignor to General Electric Company. Adjustable lamp-fixture. No. 1,269,538; June 11; v. 251; p. 428.
Hubert, Andrew, Sparta, Mich. Tractor. No. 1,258,221; Mar. 5; v. 248; p. 79.
Hubert, Conrad. (See O'Neill, Henry G., assignor.)
Hubert, Fred E. (See Tallman and Hubert.)
Hubert, Henry J., assignor to J. T. Milliken, St. Louis, Mo. Capsule-machine. No. 1,269,448; June 11; v. 251; p. 404.
Huberty, August, Canton, Ohio. Lawn-trimmer. No. 1,254,140; Jan. 22; v. 246; p. 886.
Hubinger, George M., assignor to Star Detachable Towel-Holder Co., Milwaukee, Wis. Towel-holder. No. 1,267,414; May 28; v. 250; p. 790.
Hubinger, George M., assignor to Star Detachable Towel-Holder Co., Milwaukee, Wis. Towel-dispensing device. No. 1,268,246; June 4; v. 251; p. 49.
Hubler, John, Brandon, Wis. Scutching-machine. No. 1,268,975; June 11; v. 251; p. 274.
Hubner, William L., *et al.* (See Millen, Webster, assignor.)
Huckestein, Norman C., Pittsburgh, Pa. Sliding-door pocket. No. 1,267,415; May 28; v. 250; p. 790.
Hucknall, Hage W., assignor to American Lace Mfg. Co., Elyria, Ohio. Camisole lace fabric. No. 1,280,035; Sept. 24; v. 254; p. 817.
Huddle, John B., East St. Louis, Ill. Coin-receptacle. No. 1,287,025; Dec. 10; v. 257; p. 241.
Huddleston, Robert M., San Francisco, Cal. Removing can ends. No. 1,257,285; Feb. 19; v. 247; p. 713.
Hudelson, Warren E., San Jose, Cal. Regulating means. No. 1,281,011; Oct. 8; v. 255; p. 272.
Hudgen, Owen, Los Angeles, Cal. Optical-illusion device. No. 1,268,010; May 28; v. 250; p. 957.
Hudgens, Albert C., Honea Path, S. C. Lever-lock. No. 1,275,031; Aug. 6; v. 253; p. 195.
Hudler, Charles L., St. Louis, Mo. Hydroaeroplane. No. 1,268,779; June 4; v. 251; p. 201.
Hudler, Charles L., assignor, by mesne assignments, to Jiffy Water Heater Company, St. Louis, Mo. Water-heater. No. 1,276,065; Aug. 20; v. 253; p. 539.
Hudry, John, Hazleton, Pa. Combined velocipede, go-cart, and sled. No. 1,274,045; July 30; v. 252; p. 1038.
Hudson, Albert E., Calgary, Alberta, Canada. Spark-arrester. No. 1,268,011; May 28; v. 250; p. 957.
Hudson, Arthur J. (See Langton, William T., assignor.)
Hudson, Arthur J., *et al.* (See Baumgardner, Frank J., assignor.)
Hudson, Charles H. (See Pinkerton, Edward E., assignor.)
Hudson, Charles N., Seattle, Wash. Excavator. No. 1,281,379; Oct. 15; v. 255; p. 408.
Hudson, David W., assignor to Hudson-Sharp Machine Company, Green Bay, Wis. Paper cutting and folding machine. No. 1,282,838; Oct. 29; v. 255; p. 870.
Hudson, Edward, assignor to E. and W. S. Hudson, Leeds, England. Fastening of railway-rails to sleepers. No. 1,268,464; June 4; v. 251; p. 113.
Hudson, Edward T., Superior, Nebr. Rural mail carrying and delivering device. No. 1,284,348; Nov. 12; v. 256; p. 268.
Hudson, Emery C., Bellefontaine, Ohio. Tractor-plow. No. 1,257,236; Feb. 19; v. 247; p. 697.
Hudson, Everett G., Brockton, Mass. Variable display or demonstrating device. No. 1,253,244; Jan. 15; v. 246; p. 586.
Hudson, Frederick, assignor of one-half to J. A. Missar, Philadelphia, Pa. Plastic composition. No. 1,276,221; Aug. 20; v. 253; p. 582.
Hudson, George A. (See Perry and Hudson.)
Hudson, Harry L., Brooklyn, N. Y. Closure for receptacles. No. 1,267,076; May 21; v. 250; p. 669.
Hudson, Milton H. (See Walker and Hudson.)
Hudson, Richard E., and W. P. Bickley, Farmersville, Tex. Towel-holder. No. 1,256,321; Feb. 12; v. 247; p. 393.
Hudson-Sharp Machine Company. (See Hudson, David W., assignor.)
Hudson, Walter S. (See Hudson, Edward, assignor.)
Hudson, Warren R., assignor to The Troy Wagon Works Company, Troy, Ohio. Brake-operating mechanism. No. 1,262,672; Apr. 16; v. 249; p. 532.
Hudson, William F., Philadelphia, Pa. Cooling system for internal-combustion engines. No. 1,285,711; Nov. 26; v. 256; p. 689.
Hudson, William H., Plainfield, N. J., assignor to Ransome Concrete Machinery Company, New York, N. Y. Concrete-paving machine. No. 1,289,782; Dec. 31; v. 257; p. 1002.
Hudson, William W., Salt Lake City, Utah. Oil or acid pump. No. 1,274,884; Aug. 6; v. 253; p. 155.
Hudson, William W., assignor to The General Engineering Company, Salt Lake City, Utah. Gearing. No. 1,286,642; Dec. 3; v. 257; p. 112.
Hudspeth, Edward T., assignor to Pittsburgh Steel Stamp Company, Pittsburgh, Pa. Type-holder. No. 1,259,238; Mar. 12; v. 248; p. 410.
Hudziak, Albert, Kemmerer, Wyo. Trunk-lock. No. 1,255,012; Jan. 29; v. 246; p. 1146.
Hudziak, Albert, Frontier, Wyo. Soldier's protector. No. 1,273,371; July 23; v. 252; p. 816.
Hueber, Henry, assignor to A. A. Barkey, Seattle, Wash. Cooling system for automobiles. No. 1,255,168; Feb. 5; v. 247; p. 16.
Hueber, Henry, assignor to A. A. Barkey, Seattle, Wash. Fuel-gage. No. 1,270,735; June 25; v. 251; p. 811.
Huebner, Josef, assignor to Pan-American Rubber Co., Milwaukee, Wis. Making inner tires for vehicles. No. 1,260,384; Mar. 26; v. 248; p. 805.
Huebotter, Harry A., Davenport, Iowa, assignor to R. W. Phelps, Rock Island, Ill. Lubricating means. No. 1,262,798; Apr. 16; v. 249; p. 568.
Huebotter, Harry A., Davenport, Iowa, assignor to R. W. Phelps, Rock Island, Ill. Valve-operating mechanism. No. 1,267,337; May 21; v. 250; p. 741.
Hueher, Henry, Seattle, Wash. Variable-speed transmission. No. 1,279,547; Sept. 24; v. 254; p. 677.
Huels, Robert, Brooklyn, N. Y., assignor to Standard Knitting Mills Company. Undergarment. No. 1,288,417; Dec. 17; v. 257; p. 614.
Huelsdonk, William A., Modesto, Cal. Submerged concentrating-table. No. 1,270,736; June 25; v. 251; p. 812.
Huene, Clara A. (See Huene, Edward A., assignor.)
Huene, Edward A., Los Angeles, Cal. Carbureter. No. 1,275,032; Aug. 6; v. 253; p. 195.
Huene, Edward A., assignor to C. A. Huene, Los Angeles, Cal. Automatic fuel-feed for automobile-engines. No. 1,254,596; Jan. 22; v. 246; p. 995.

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Huenefeld, Gustav M., New Florence, Mo. Cornstalk-cutting attachment for vehicles. No. 1,287,321; Dec. 10; v. 257; p. 315.
Huested, John M., *et al.* (See Smith, Ulysses S., assignor.)
Huether, Ernest, Yonkers, N. Y. Clothes-line holder. No. 1,281,573; Oct. 15; v. 255; p. 458.
Huether, Henry, Cincinnati, Ohio. Horseshoe attachment. No. 1,252,442; Jan. 8; v. 246; p. 322.
Huetter, Andrew, Boonton, N. J. Resilient tire. No. 1,262,501; Apr. 9; v. 249; p. 455.
Huff, Benjamin F. (See Pugh, William J., assignor.)
Huff, Gilbert L., Holdenville, Okla. Vending-machine. No. 1,276,923; Aug. 27; v. 253; p. 809.
Huff, Hiram C., Vegreville, Alberta, Canada. Binder-truck. No. 1,267,870; May 28; v. 250; p. 919.
Huff, James A., *et al.* (See Ferguson, Joseph W., assignor.)
Huff, John W., and L. M. Horner, Niagara Falls, N. Y. Card game. No. 1,259,987; Mar. 19; v. 248; p. 659.
Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,259,988; Mar. 19; v. 248; p. 659.
Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Motor-oiling system. No. 1,270,619; June 25; v. 251; p. 783.
Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Control device. No. 1,270,828; July 2; v. 252; p. 21.
Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Control mechanism for motor-vehicles. No. 1,280,738; Oct. 8; v. 255; p. 198.
Huff, Russell, assignor to Dodge Brothers, Detroit, Mich. Priming-cup. No. 1,288,003; Dec. 17; v. 257; p. 515.
Huffer, Simon, Decatur, Ill. Sanitary hand-spray. No. 1,274,269; July 30; v. 252; p. 1101.
Huffman, Charles C., assignor to Sunbeam Chemical Company, Chicago, Ill. Universal blue dye and producing the same. No. 1,274,046; July 30; v. 252; p. 1038.
Huffman, Charles C., assignor to Sunbeam Chemical Company, Chicago, Ill. Universal yellow dye and producing the same. No. 1,274,047; July 30; v. 252; p. 1039.
Huffman, Charles C., assignor to Sunbeam Chemical Company, Chicago, Ill. Universal brown dye and producing the same. No. 1,274,048; July 30; v. 252; p. 1039.
Huffman, Charles C., assignor to Sunbeam Chemical Company, Chicago, Ill. Universal red dye and producing the same. No. 1,274,049; July 30; v. 252; p. 1039.
Huffman, Charles C., assignor to Sunbeam Chemical Company, Chicago, Ill. Making universal dyes. No. 1,283,519; Nov. 5; v. 256; p. 22.
Huffman, De Vern C., St. Louis, Mo. Printing device. No. 1,262,195; Apr. 9; v. 249; p. 370.
Huffman, Edwin E., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Power-transmission control. No. 1,287,322; Dec. 10; v. 257; p. 315.
Huffman, Henry H., Columbus, Ohio. Pneumatic-tire-wheel rim. No. 1,283,520; Nov. 5; v. 256; p. 22.
Huffman, Henry W., Hemphill, Tex. Railway-tie. No. 1,257,868; Feb. 26; v. 247; p. 918.
Huffman, Henry W., Hemphill, Tex. Railway-rail. No. 1,282,231; Oct. 22; v. 255; p. 677.
Huffman, Orla L., Weatherford, Tex. Tire. No. 1,287,694; Dec. 17; v. 257; p. 438.
Huffman, Thomas D. (See Workman and Huffman.)
Hufschmid, Samuel, Paterson, N. J. Rotary engine. No. 1,255,169; Feb. 5; v. 247; p. 16.
Hufschmidt, Louis A., San Francisco, Cal. Insulating-canopy for lighting-fixtures. No. 1,277,934; Sept. 3; v. 254; p. 165.
Hug, Alexander G. (See Scott and Hug.)
Hugg, William H., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Looper-carrier for sewing-machines. No. 1,252,696; Jan. 8; v. 246; p. 397.
Huggins, Edward M. (See Macdonald and Huggins.)
Huggins, John R., Canton, Ohio. Safety attachment for drop-forging and stamping machines. No. 1,257,237; Feb. 19; v. 247; p. 697.
Huggins, Nathaniel, New York, N. Y., assignor, by mesne assignments, to Copper Products Company. Process and apparatus for electrodeposition. No. 1,268,465; June 4; v. 251; p. 114.
Hughes, Agnes, Cincinnati, Ohio. Carrier for eggs, fruit, and the like. No. 1,288,004; Dec. 17; v. 257; p. 516.
Hughes, Arthur. Belfast, Ireland. Device for cutting openings in music note-sheets. No. 1,280,036; Sept. 24; v. 254; p. 818.
Hughes, Arthur J. (See Creagh-Osborne and Hughes.)
Hughes, Dale C., Cleveland, Ohio, assignor to General Electric Company. Shaping wire. No. 1,275,926; Aug. 13; v. 253; p. 468.
Hughes, Edward H., Canton, Ohio. Aerial torpedo. No. 1,269,185; June 11; v. 251; p. 332.
Hughes, Edward H., Canton, Ohio. Aeroplane. No. 1,283,190; Oct. 29; v. 255; p. 966.
Hughes, Eldon C. (See Oakley and Hughes.)
Hughes Electric Heating Company. (See Hughes, George A., assignor.)
Hughes, George A., assignor to Hughes Electric Heating Company, Chicago, Ill. Electrical heating device. No. 1,258,904; Mar. 12; v. 248; p. 316.
Hughes, Howard R., Houston, Tex. Rotary boring-drill. No. 1,255,422; Feb. 5; v. 247; p. 90.
Hughes, Howard R., Houston, Tex. Rotary boring-drill. No. 1,257,353; Feb. 26; v. 247; p. 766.
Hughes, Howard R., Houston, Tex. Sapping or destroying trenches or other defensive works. No. 1,278,932; Sept. 17; v. 254; p. 489.
Hughes, Howard R., Houston, Tex. Method of and apparatus for earth-boring. No. 1,283,191; Oct. 29; v. 255; p. 966.
Hughes, Howard R., Houston, Tex. Horizontal-drilling machine. No. 1,285,712; Nov. 26; v. 256; p. 689.
Hughes, Howard R., Houston, Tex. Rotary boring-drill. No. 1,289,179; Dec. 31; v. 257; p. 853.
Hughes, Howard R., New York, N. Y. Method of and apparatus for forming and enlarging or cavating bores. No. 1,269,449; June 11; v. 251; p. 404.
Hughes, Howard R., assignor to Hughes Tool Company, Houston, Tex. Rotary boring-drill. No. 1,256,694; Feb. 19; v. 247; p. 538.
Hughes, Hughey V., Miami, Ariz. Wrench. No. 1,261,540; Apr. 2; v. 249; p. 156.
Hughes, Isaac L., Youngstown, Ohio. Straightening rolled metal bars and the like. No. 1,252,115; Jan. 1; v. 246; p. 198.
Hughes, John A., assignor to Reed Manufacturing Company, Erie, Pa. Collar shaping and ironing machine. No. 1,257,238; Feb. 19; v. 247; p. 697.
Hughes, John E., Chicago, Ill. Automobile-signal. No. 1,263,320; Apr. 16; v. 249; p. 714.
Hughes, John M., Houston, Pa. Bit. No. 1,286,008; Nov. 26; v. 256; p. 764.
Hughes, Louis S., and C. H. Wolcott, Chicago, Ill. Treating ferruginous waters. No. 1,254,009; Jan. 15; v. 246; p. 807.
Hughes, Marion A., Benkelman, Nebr. Motor-sled. No. 1,251,530; Jan. 1; v. 246; p. 24.
Hughes, Robert D., assignor of one-half to J. R. Bowles, Lynchburg, Va. Double-acting air-pump. No. 1,253,976; Jan. 15; v. 246; p. 797.
Hughes, Robert R., Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sweat-band-sewing machine. No. 1,257,239; Feb. 19; v. 247; p. 698.
Hughes, Robert R., Jr., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,275,694; Aug. 13; v. 253; p. 403.
Hughes, Robert R., Jr., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Edging-machine. No. 1,278,660; Sept. 10; v. 254; p. 384.
Hughes, Robert T., Chicago, Ill. Cutting-machine. No. 1,281,012; Oct. 8; v. 255; p. 273.
Hughes, Rupert, New York, N. Y. Bayonet-clutch. No. 1,285,189; Nov. 19; v. 256; p. 519.
Hughes, Samuel, Berkeley, Cal. Vise. No. 1,283,192; Oct. 29; v. 255; p. 966.
Hughes Tool Company. (See Hughes, Howard R., assignor.)
Hughes, Tyre C., Tulsa, Okla. assignor of one-half to J. B. Jameson, Concord, N. H. Piston-ring. No. 1,280,739; Oct. 8; v. 255; p. 199.
Hughes, William. (See Duich, Steven, assignor.)
Hughes, William. (See Paulett, Jones, and Hughes.)
Hughes, William K., *et al.* (See Kelley, Benjamin F., assignor.)
Hughes, William M., Arncliffe, near Sydney, New South Wales, Australia. Carbureter. No. 1,264,935; May 7; v. 250; p. 17.
Hugo, Gustave V., Los Angeles, Cal. Thermochromatic ball-bearing massage instrument. No. 1,283,777; Nov. 5; v. 256; p. 88.
Hugo Loewenbach and B. Loewenbach & Sons Co. (See Loewenbach, Oscar, assignor.)
Hugo Manufacturing Company, The. (See Steuernagel, Hugo V., assignor.)
Hugro Manufacturing Company. (See Boyer, Charles A., assignor.)
Huguelet, William P., Chicago, Ill. Envelop-machine. No. 1,253,383; Jan. 15; v. 246; p. 629.
Hugulet, William P., Chicago, Ill. Cutting device. No. 1,258,569; Mar. 5; v. 248; p. 182.
Huguelet, William P., Chicago, Ill. Envelop-making machine. No. 1,265,663; May 7; v. 250; p. 214.
Hugunin, Richard F., Spokane, Wash. Lumber-conveyer. No. 1,276,222; Aug. 20; v. 253; p. 582.
Huhn, Anton. (See Fay, Albert T., assignor.)
Huhn, Anton. (See Stebbens and Hopkins, assignors.)
Huhndorf, Gustave, Tono, and T. J. Holycross, Vador, Wash. Automatic engine-stop. No. 1,253,977; Jan. 15; v. 246; p. 797.
Huibregtse, Lawrence, Galien, Mich. Holdback for vehicles. No. 1,265,783; May 14; v. 250; p. 279.
Hulbert, Clarence, assignor of one-fourth to P. Beardsley and one-fourth to E. C. Soper, Auburn, N. Y. Brake device for motor-vehicles. No. 1,254,228; Jan. 22; v. 246; p. 890.
Hulbert, Edwin F., assignor to National Paper Can Company, Milwaukee, Wis. Manufacture of paper cans or cartons. No. 1,285,190; Nov. 19; v. 256; p. 520.
Huldt, Sven, Stockholm, Sweden, assignor to Norsk Elektrisk Metalindustri Aktieselskap, Sarpsborg, Norway. Converting zinc powder into liquid zinc. No. 1,266,808; May 21; v. 250; p. 595.

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Hulett, Frank E., East Cleveland, Ohio. Car-dumper. No. 1,285,713; Nov. 26; v. 256; p. 689.
Hull, B. O. (See Durkee, William H., assignor.)
Hull Construction Company. (See Hubbell, Clarence Z., assignor.)
Hull, Herbert H., Lakewood, Ohio, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Closure for containers. No. 1,253,491; Jan. 15; v. 246; p. 660.
Hull, Herbert H., Lakewood, Ohio, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Side-seal closure. No. 1,253,492; Jan. 15; v. 246; p. 660.
Hull, Herbert H., Lakewood, Ohio, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Closure. No. 1,276,223; Aug. 20; v. 253; p. 582.
Hull, John C., Gasport, N. Y. Spray-gun. No. 1,253,245; Jan. 15; v. 246; p. 586.
Hull, Matthew R., assignor to Rex Buggy Company, Connersville, Ind. Changeable automobile-top. (Reissue.) No. 14,519; Sept. 10; v. 254; p. 426.
Hull, Matthew R., assignor to Rix Buggy Company, Connersville, Ind. Door for vehicle-body top extensions. No. 1,284,349; Nov. 12; v. 256; p. 269.
Hull, Wallace R., Pittsburgh, Pa. Machine for assembling bolts and nuts. No. 1,274,562; Aug. 6; v. 253; p. 63.
Hulsberg & Cie., m. b. H. (See Rüping, Max, assignor.)
Hulse, Edison G., Akron, Ohio, assignor to Kelly-Springfield Tire Company, Jersey City, N. J. Tire-mold. No. 1,283,778; Nov. 5; v. 256; p. 88.
Hulse, George E., Newark, N. J., assignor to The Safety Car Heating & Lighting Company. Carton or container for incandescent mantles. No. 1,276,066; Aug. 20; v. 253; p. 539.
Hulsey, Elie B., and J. A. D. Herrington, assignors of one-fourth to W. A. Blair and one-fourth to G. H. Hill, Tupelo, Miss. Stop-motion for motion-picture machines. No. 1,261,029; Apr. 2; v. 249; p. 11.
Hulst, George P., Hammond, Ind. Treating lead for bullion. No. 1,285,714; Nov. 26; v. 256; p. 690.
Hult, Frank O., Galesburg, Ill. Key and knob holder for doors. No. 1,260,774; Mar. 26; v. 248; p. 920.
Hult, Oscar W., Stockholm, Sweden. Driving device for motor-cycles and other vehicles. No. 1,259,989; Mar. 19; v. 248; p. 660.
Hultberg, Otto E. (See Berlin and Hultberg.)
Hultgren, Charles. (See Karpen and Hultgren.)
Hultgren, William H. (See Rehmann and Hultgren.)
Hultgren, William H., Roselle Park, N. J., and G. R. Rehmann, Philadelphia, Pa. Chair. No. 1,279,346; Sept. 17; v. 254; p. 600.
Hultman, Carl A. W., Stockholm, Sweden. Semi-automatic telephone-exchange. No. 1,256,322; Feb. 12; v. 247; p. 394.
Hultman, Ivar, Neglinge Saltsjöbaden, near Stockholm, Sweden. Shears for cutting sheet metal and the like. No. 1,284,688; Nov. 12; v. 256; p. 352.
Hultquist, Charles A., Los Angeles, Cal. Pneumatic tool. No. 1,253,827; Jan. 15; v. 246; p. 757.
Hultquist, Charles A., Los Angeles, Cal. Drill-steel-retaining device. No. 1,253,828; Jan. 15; v. 246; p. 757.
Hultquist, Charles A., Los Angeles, Cal. Drilling-machine. No. 1,284,108; Nov. 5; v. 256; p. 178.
Huludet, George, Canton, Ohio. Cigarette-holder. No. 1,286,643; Dec. 3; v. 257; p. 112.
Human, Samuel H., Chicago, Ill. Fluid-compressor. No. 1,277,420; Sept. 3; v. 254; p. 25.
Humason, Granville A., assignor of one-half to J. W. Parker, Houston, Tex. Oil-burner. No. 1,282,232; Oct. 22; v. 255; p. 677.
Humason, Granville A., Shreveport, La., assignor of one-third to E. B. Bierce and one-third to J. W. Parker, Harris county, Tex. Drill. No. 1,283,193; Oct. 29; v. 255; p. 966.
Humbert, Edward W., Uniontown, Pa. Focusing-cloth. No. 1,264,801; Apr. 30; v. 249; p. 1175.
Humbert, Ernest, Welland, Ontario, Canada. Making metals in electric furnaces. No. 1,252,443; Jan. 8; v. 246; p. 323.
Humbert, William H., Louisville, Ky. Cycle-lock. No. 1,270,415; June 25; v. 251; p. 725.
Humble, Charles B., Erie, Pa. Clothes-line fastener. No. 1,251,778; Jan. 1; v. 246; p. 101.
Humburg, Jacob H., Mount Angel, Oreg. Hinge for silo-doors. No. 1,271,900; July 9; v. 252; p. 352.
Hume, James H., assignor to James Howden & Company, Limited, Glasgow, Scotland. Closure or door. No. 1,269,283; June 11; v. 251; p. 360.
Hume, James H., assignor to James Howden & Company, Limited, Glasgow, Scotland. Closure or door. No. 1,269,284; June 11; v. 251; p. 360.
Hume, Robert F., Lima, Ohio. Incubator. No. 1,274,166; July 30; v. 252; p. 1072.
Humiston, Dawson M., Aurora, Ill. Slitting and winding machine. No. 1,273,228; July 23; v. 252; p. 778.
Huml, Vincent G., Chicago, Ill. Antiskid attachment. No. 1,288,005; Dec. 17; v. 257; p. 516.
Hummel, John J., Spokane, Wash. Type setting and distributing machine. No. 1,289,006; Dec. 17; v. 257; p. 516.
Hummel, John W., and F. W. Uhde, Philadelphia, Pa. Tire. No. 1,272,664; July 16; v. 252; p. 597.
Hummel, Samuel, Fort Yates, N. D. Automobile-tire. No. 1,276,533; Aug. 20; v. 253; p. 669.
Humphrey, Alexander F. (See Michaels and Humphrey.)
Humphrey, Alexander F., assignor of one-fourth to W. L. Swartz and one-fourth to R. C. Michaels, Pittsburgh, Pa. Toy submarine. No. 1,262,051; Apr. 9; v. 249; p. 328.
Humphrey, Alexander F., and R. C. Michaels, assignors of one-fifth to W. L. Swartz, Pittsburgh, Pa. Flush-tank valve. No. 1,272,957; July 16; v. 252; p. 680.
Humphrey Alfred H., New York, N. Y. Gas-stove. 1,280,740; Oct. 8; v. 255; p. 199.
Humphrey, Daniel N., Torrington, Conn. Adjustable window-screen. No. 1,260,385; Mar. 26; v. 248; p. 806.
Humphrey, Dudley S., Cleveland, Ohio. Concrete conveying and mixing machine. No. 1,255,750; Feb. 5; v. 247; p. 184.
Humphrey, Edward R., assignor to Safety First Air Brake Company (Canada), Limited, Victoria, British Columbia, Canada. Electromagnetic air-brake valve. No. 1,279,113; Sept. 17; v. 254; p. 536.
Humphrey, Edward R., assignor to Safety First Air-Brake Company (Canada) Limited, Victoria, British Columbia, Canada. Electromagnetic air-brake. (Reissue.) No. 14,555; Nov. 26; v. 256; p. 810.
Humphrey, Ernest N., assignor to Traut & Hine Mfg. Co., New Britain, Conn. Snap-hook. No. 1,259,107; Mar. 12; v. 248; p. 375.
Humphrey Gas Pump Company. (See Clark, Claude A., assignor.)
Humphrey Gas Pump Company. (See Humphrey, Herbert A., assignor.)
Humphrey Gas Pump Company. (See Humphrey and Rusdell, assignors.)
Humphrey, George P., New Rochelle, N. Y. Necktie-holder. No. 1,254,325; Jan. 22; v. 246; p. 918.
Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Compressing an elastic fluid. No. 1,254,693; Jan. 29; v. 246; p. 1052.
Humphrey, Herbert A., Westminster, England, assignor to Humphrey Gas Pump Company. Compressing elastic fluid. No. 1,257,004; Feb. 19; v. 247; p. 631.
Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Compressing air or gases. No. 1,257,607; Feb. 26; v. 247; p. 842.
Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Ignition arrangement for internal-combustion engines and other purposes. No. 1,258,335; Mar. 5; v. 248; p. 112.
Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Apparatus for utilizing an expansive force. No. 1,258,570; Mar. 5; v. 248; p. 182.
Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Apparatus for raising or forcing liquids. No. 1,265,784; May 14; v. 250; p. 279.
Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Utilizing an expansive force in the movement of liquid. No. 1,272,269; July 9; v. 252; p. 458.
Humphrey, Herbert A., London, and W. J. Rusdell, Dudley, England, assignors to Humphrey Gas Pump Company. Utilizing an expansive force. No. 1,271,712; July 9; v. 252; p. 302.
Humphrey, Herbert S. (See Ruud and Humphrey.)
Humphreys, Charles A., Carrick, Pa. Gage. No. 1,254,141; Jan. 22; v. 246; p. 866.
Humphreys, Edward C. (See Archer and Humphreys.)
Humphreys, Edward C., and C. E. Archer, Detroit, Mich. Dirigible headlight. No. 1,259,867; Mar. 19; v. 248; p. 623.
Humphreys, Edward C., and C. E. Archer, Detroit, Mich. Traffic-signal. No. 1,262,799; Apr. 16; v. 249; p. 569.
Humphreys, Ira D., Elkville, Ill. Indicator and alarm. No. 1,281,013; Oct. 8; v. 255; p. 273.
Humphreys, Robert A., Sevenoaks, England. Apparatus for decorticating, washing, and drying sisal and other fibrous materials. No. 1,258,571; Mar. 5; v. 248; p. 182.
Humphreys, Robert E., assignor to Standard Oil Company, Whiting, Ind. Refining mineral petroleum-oils. No. 1,286,179; Nov. 26; v. 256; p. 805.
Humphries, Paul V., Quinton, Okla. Interchangeable anterior tooth. No. 1,258,413; Mar. 5; v. 248; p. 136.
Humphries, Ralph, Vancouver, British Columbia, Canada. Fly-wheel. No. 1,254,694; Jan. 29; v. 246; p. 1053.
Humphries, William L., Patricroft, near Manchester, assignor of one-quarter to E. M. Pemberton, one-quarter to J. W. Hinchcliffe, and one-quarter to T. Byrom, Manchester, England. Carbon-holder of electric-arc lamps. No. 1,278,661; Sept. 10; v. 254; p. 385.
Hund, Henry E., and O. A. Pegau, assignors to Buggs Manufacturing Company, Detroit, Mich. Vehicle-top. No. 1,281,574; Oct. 15; v. 255; p. 459.
Hundley, George K., Covington, Ky. Fare-box. No. 1,278,933; Sept. 17; v. 254; p. 489.
Hundley, Harold H., Panther, W. Va. Straight-edge attachment. No. 1,267,665; May 28; v. 250; p. 860.

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Hundley, James, Middleport, Ohio. Charging device for furnaces. No. 1,280,037; Sept. 24; v. 254; p. 818.
Hundley, Nannie L. (See Sprouse, James L., assignor.)
Huneke, John, Melrose Park, assignor to Cox Multi-Mailer Company, Chicago, Ill. Stencil-feeding mechanism. No. 1,281,014; Oct. 8; v. 255; p. 273.
Hungerford, Henry H., Chicago, Ill., assignor to National Biscuit Company, Jersey City, N. J. Loaf-pressing machine. No. 1,256,695; Feb. 19; v. 247; p. 539.
Hungerford, Ira, Milroy, Ind. Animal-restraining device. No. 1,259,402; Mar. 12; v. 248; p. 459.
Hungerford, Oliver T., Belleville, N. J. Fiber-producing machine. No. 1,258,336; Mar. 5; v. 248; p. 112.
Hungerford, Oliver T., Belleville, N. J. Concrete building-block. No. 1,275,432; Aug. 13; v. 253; p. 331.
Hungerford, Warren H. (See Peters and Hungerford.)
Hunker, Martin L., assignor to Whitaker-Glessner Company, Wheeling, W. Va. Eaves-trough-forming machine. No. 1,261,735; Apr. 2; v. 249; p. 209.
Hunn, Frank E., Lake Nebagamon, Wis. Adjustable foot for ladders. No. 1,280,741; Oct. 8; v. 255; p. 199.
Hunn, Howard G., Chicago, Ill. Chair-iron. No. 1,277,726; Sept. 3; v. 254; p. 110.
Hunold, Ernest, Providence, R. I. Heel-plate for ice-skates. No. 1,256,564; Feb. 19; v. 247; p. 501.
Hunold, Ernest, Providence, R. I. Convertible soap-holder. No. 1,275,433; Aug. 13; v. 253; p. 331.
Hunster, Charles A., Tacoma, Wash. Clothes-hanger. No. 1,285,191; Nov. 19; v. 256; p. 520.
Hunt, Alfred T., Brooklyn, N. Y. Process of and apparatus for cutting diamonds. No. 1,284,109; Nov. 5; v. 256; p. 178.
Hunt, Alice N., and F. W. Anderson, Washington, D. C. Sleeping and lounging accoutrement. No. 1,253,039; Jan. 8; v. 246; p. 498.
Hunt, Andrew D., and S. L. Cole, Plainfield, N. J. Sanitary cuspidor. No. 1,280,480; Oct. 1; v. 255; p. 101.
Hunt, Arthur J., Altoona, Pa. Trundle toy. No. 1,276,769; Aug. 27; v. 253; p. 770.
Hunt Brothers Company. (See Staley, Homer C., assignor.)
Hunt, Calvert R., Osceola, Mo. Machine for preparing road paving and surfacing material. No. 1,278,662; Sept. 10; v. 254; p. 385.
Hunt, Calvert R., Osceola, Mo. Making surfacing material for roads and the like. No. 1,278,663; Sept. 10; v. 254; p. 385.
Hunt, Charles, New York, N. Y. Detaching-hook. No. 1,251,531; Jan. 1; v. 246; p. 24.
Hunt, Charles, New York, N. Y. Detaching-gear. No. 1,252,116; Jan. 1; v. 246; p. 198.
Hunt, Charles T., assignor to Universal Nut Lock Company, Los Angeles, Cal. Nut-lock. No. 1,263,770; Apr. 23; v. 249; p. 858.
Hunt, Clarence W., Fort Wayne, Ind. Dish-washing machine. No. 1,259,743; Mar. 19; v. 248; p. 586.
Hunt, Edward J., West Orange, N. J. Camera-shutter control. No. 1,254,503; Jan. 22; v. 246; p. 968.
Hunt, Edward P., Buffalo, N. Y. Puzzle or game apparatus. No. 1,266,271; May 14; v. 250; p. 416.
Hunt, Edwin J., Oldbury, and W. T. Gidden, Warley, assignors to Chance & Hunt, Limited, Oldbury, England. Process for the electrolysis and treatment of sulfate liquors. (Reissue.) No. 14,436; Feb. 26; v. 247; p. 944.
Hunt, Edwin J., Oldbury, and W. T. Gidden, Warley, assignors to Chance and Hunt, Limited, Oldbury, England. Electrolysis of sulfate of cadmium solutions. No. 1,264,802; Apr. 30; v. 249; p. 1176.
Hunt, Eugene S., Richmond, Ind. Snow-plow. No. 1,257,608; Feb. 26; v. 247; p. 842.
Hunt, George H., Monroe Center, Ill. Automobile storm-awning. No. 1,272,958; July 16; v. 252; p. 680.
Hunt-Helm-Ferris & Company. (See Ferris, Henry L., assignor.)
Hunt, Helm, Ferris & Company. (See Ferris, Howard J., assignor.)
Hunt, Henry, and O. S. Price, Greentown, Ind. Oil and gasolene generator and burner. No. 1,261,234; Apr. 2; v. 249; p. 67.
Hunt, Henry J., assignor to S. I. Shane, Chicago, Ill. Vacuum vapor-heating system. No. 1,257,354; Feb. 26; v. 247; p. 767.
Hunt, John, Dumont, Colo. Fish-stop. No. 1,261,936; Apr. 9; v. 249; p. 298.
Hunt, John H., Victor, Colo. Mortuary and ambulance basket. No. 1,264,652; Apr. 30; v. 249; p. 1137.
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,259,744; Mar. 19; v. 248; p. 586.
Hunt, John H., assignor to Packard Motor Car Company, Detroit, Mich. Lamp. No. 1,276,924; Aug. 27; v. 253; p. 810.
Hunt, Margarita C., Washington, D. C., assignor to Navy League of the United States. Bag. No. 1,284,350; Nov. 12; v. 256; p. 269.
Hunt, Ormond E., assignor to Packard Motor Car Company, Detroit, Mich. Shifter mechanism. No. 1,259,990; Mar. 19; v. 248; p. 660.
Hunt, Ormond E., assignor to Packard Motor Car Company, Detroit, Mich. Starting apparatus. No. 1,278,151; Sept. 10; v. 253; p. 248.
Hunt, Ormond E., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,279,699; Sept. 24; v. 254; p. 722.
Hunt, Otto H., Walla Walla, Wash. Signal device for motor-vehicles. No. 1,279,114; Sept. 17; v. 254; p. 536.
Hunt, Ozello R., Chicago, Ill. Spring structure. No. 1,260,672; Mar. 26; v. 248; p. 891.
Hunt, Ozello R., Chicago, Ill. Article comprising clip-connected relatively movable elements. No. 1,262,196; Apr. 9; v. 249; p. 370.
Hunt, Ozello R., assignor of one-fourth to C. W. Snell and one-fourth to F. E. Brown, Chicago, Ill. Article, comprising clip-connected relatively movable elements. No. 1,283,194; Oct. 29; v. 255; p. 966.
Hunt, Paul, Brookline, Mass. Humidifier for gasolene-engines. No. 1,274,418; Aug. 6; v. 253; p. 21.
Hunt, Scott F., Detroit, Mich. Engine-speed governor. No. 1,285,192; Nov. 19; v. 256; p. 520.
Hunt, William A., West Lebanon, assignor, by mesne assignments, to F. R. Pence, Pence, Ind. Rack. No. 1,259,403; Mar. 12; v. 248; p. 459.
Hunt, William A., West Lebanon, assignor, by mesne assignments, to F. N. Pence, Pence, Ind. Wagon-rack. No. 1,285,193; Nov. 19; v. 256; p. 520.
Hunt, William C., Toronto, Ontario, Canada. Pendant-fixture. No. 1,264,397; Apr. 30; v. 249; p. 1065.
Hunt, William E., assignor to Ottumwa Box Car Loader Co., Ottumwa, Iowa. Car-unloader. No. 1,266,474; May 14; v. 250; p. 470.
Hunt, William E., assignor to Ottumwa Box Car Loader Co., Ottumwa, Iowa. Car-loader. No. 1,266,475; May 14; v. 250; p. 470.
Hunt, William F., New York, N. Y. Unloading, storing, and reloading of material. No. 1,254,022; Jan. 22; v. 246; p. 831.
Hunt, Wilson P., Moline, Ill., assignor to B. L. Schmidt, Davenport, Iowa. Grinding-machine. No. 1,281,015; Oct. 8; v. 255; p. 274.
Hunter, Albert, Spokane, Wash. Power-driven hammer. No. 1,251,667; Jan. 1; v. 246; p. 68.
Hunter, Albert, Spokane, Wash. Log-splitting machine. No. 1,283,195; Oct. 29; v. 255; p. 967.
Hunter, Andrew R., Welbeck, near Worksop, England. Crutch. No. 1,278,664; Sept. 10; v. 254; p. 385.
Hunter, Charles W., assignor to The Baldwin Company, Cincinnati, Ohio. Clamping device. No. 1,285,569; Nov. 19; v. 256; p. 614.
Hunter, Cody B., Micanopy, Fla. Wrench. No. 1,263,250; Apr. 16; v. 249; p. 695.
Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Filing-cabinet. No. 1,289,180; Dec. 31; v. 257; p. 853.
Hunter Dry Kiln Company, The. (See Hunter, Harry, assignor.)
Hunter, George C., Cleveland, Ohio. Machine for sharpening saws. No. 1,272,339; July 9; v. 252; p. 479.
Hunter, George W., *et al.* (See Hunter, James B., assignor.)
Hunter, Harry, assignor to The Hunter Dry Kiln Company, Indianapolis, Ind. Dry-kiln. No. 1,254,142; Jan. 22; v. 246; p. 866.
Hunter, Henry G., Montreal, Quebec, Canada. Building. No. 1,282,583; Oct. 22; v. 255; p. 772.
Hunter, Ira, assignor of one-half to H. N. Rankin, Carlisle, Ky. Hand-stamp. No. 1,259,868; Mar. 19; v. 248; p. 623.
Hunter, James B., assignor of one-fifth to G. W. Hunter, one-fifth to J. G. Collison, one-fifth to F. W. Krehbiel, and one-fifth to G. R. Eastman, Dayton, Ohio. Feed-water heater. No. 1,261,393; Apr. 2; v. 249; p. 114.
Hunter, Kenneth H., Great Bend, Pa. Composition of matter for softening leather. No. 1,257,355; Feb. 26; v. 247; p. 767.
Hunter, Lewis W., Irvington, N. J. Card-retainer for card-cases. No. 1,255,751; Feb. 5; v. 247; p. 185.
Hunter, Melmoth W., Washington, D. C. Attachment to shoes for preventing wear upon heels of socks. No. 1,282,584; Oct. 22; v. 255; p. 772.
Hunter, Paul C., New York, N. Y. Safety-pin. No. 1,281,779; Oct. 15; v. 255; p. 513.
Hunter, Peter C., Brooklyn, N. Y. Marine toilet. No. 1,278,665; Sept. 10; v. 254; p. 386.
Hunter Pressed Steel Company. (See Deardorff, Curtis W., assignor.)
Hunter, William F., Blaine, Kans. Wire-fastener for posts. No. 1,268,466; June 4; v. 251; p. 114.
Hunter, William R., Chicago, Ill. Spark-plug. No. 1,288,898; Dec. 24; v. 257; p. 760.
Huntington, Alfred R., assignor of one-third to R. G. Manifold and one-third to C. O. Poole, Riverside, Cal. Electric heater. No. 1,287,323; Dec. 10; v. 257; p. 316.
Hurd, Charles C. (See Goodwin and Hurd.)
Huntington, F. G. (See Gilborne, Seth S., assignor.)
Huntley, Charles W. (See Morgan and Huntley.)
Huntoon, Charles F., Chicago, Ill. Truck-bolster. No. 1,269,817; June 18; v. 251; p. 540.
Huntoon, William C., Providence, R. I. Pneumatic-tire valve. No. 1,275,033; Aug. 6; v. 253; p. 196.
Huntress, George L., Jr., Winchester, and C. Elbye, East Boston, Mass. Water-level gage. No. 1,275,927; Aug. 13. v. 253; p. 468.

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Hunzicker, Walter W., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley catcher and retriever. No. 1,277,421; Sept. 3; v. 254; p. 26.
Hupp Motor Car Corporation. (See Laporte and Ornberg, assignors.)
Hupp Motor Car Corporation. (See Ornberg, Ivan, assignor.)
Hupp Motor Car Corporation. (See Watts, Frank E., assignor.)
Huppertz, Henry A., Cincinnati, Ohio. Support for fishing-rods. No. 1,275,928; Aug. 13; v. 253; p. 468.
Hurd, Benjamin W., assignor of one-third to G. E. Mesecar, Sierra Madre, Cal. Fuel-indicator for internal-combustion engines. No. 1,268,718; June 4; v. 251; p. 183.
Hurd, Chauncey M., San Jose, Cal. Transporting device. No. 1,276,067; Aug. 20; v. 253; p. 539.
Hurd, Enos A., Woodward, Okla. Skirt-marker. No. 1,252,805; Jan. 8; v. 246; p. 427.
Hurd, G. H. (See Woolsey, John J., assignor.)
Hurd, Hubbard F., assignor to Cluett, Peabody & Co. Inc., Troy, N. Y. Fold-collar. No. 1,260,544; Mar. 26; v. 248; p. 852.
Hurd, Hubbard F., assignor to Cluett, Peabody & Co. Inc., Troy, N. Y. Fold-collar. No. 1,267,770; May 28; v. 250; p. 890.
Hurd, Hubbard F., assignor to Cluett, Peabody & Co., Troy, N. Y. Soft fold-collar. No. 1,280,742; Oct. 8; v. 255; p. 200.
Hurd, Hubbard F., and S. T. Wright, assignors to Cluett, Peabody & Company, Inc., Troy, N. Y. Collar. No. 1,287,324; Dec. 10; v. 257; p. 316.
Hurff, Lucien W., Galesburg, Ill. Animal-oiler. No. 1,289,458; Dec. 31; v. 257; p. 923.
Hurford, Ebenezer B., New York, N. Y. Theatrical apparatus. No. 1,266,476; May 14; v. 250; p. 470.
Hurlbert, William G., *et al.* (See Gorton, John C., assignor.)
Hurlbrink, Ernst, Berlin-Friedenau, Germany. Two-stroke-cycle internal-combustion engine. No. 1,273,229; July 23; v. 252; p. 779.
Hurlbrink, Ernst, Berlin-Friedenau, assignor to Martini & Hüneke Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Apparatus for indicating the level of liquids under pressure. No. 1,256,904; Feb. 19; v. 247; p. 601.
Hurrelbrink, Frank, Stonington, Ill. Ensilage-packer. No. 1,255,752; Feb. 5; v. 247; p. 185.
Hurlbut, Clayton E., Preston, Ontario, Canada. Expansion shoe-last. No. 1,280,615; Oct. 1; v. 255; p. 139.
Hurlbut, Frank A., Kansas City, Mo. Water-back construction for furnaces. No. 1,269,083; June 11; v. 251; p. 304.
Hurlbut, Herrick S. (See Tabor, Edward P., assignor.)
Hurley, Albert B., assignor of one-half to L. W. Hurley, Seaford, Del. Combined hose-clamp and support. No. 1,274,717; Aug. 6; v. 253; p. 108.
Hurley, Frank. (See Witherell, Wilbur F., assignor.)
Hurley, Luther W. (See Hurley, Albert B., assignor.)
Hurley Machine Company. (See Fisher, Alva J., assignor.)
Hurley, Thomas. (See Jaques and Hurley.)
Hurley, William M., Rockland, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Pull-on device for shoes. No. 1,278,351; Sept. 10; v. 254; p. 302.
Hurn, Claude, Centralia, Wash. Music-leaf turner. No. 1,288,899; Dec. 24; v. 257; p. 760.
Hurst, George H., Jr., Sumter, S. C. Blood-drainer for embalming. No. 1,266,477; May 14; v. 250; p. 471.
Hurst, George S. (See Williams and Hurst.)
Hurst, Samuel, Werneth, Oldham, England. Flat brushing or cleaning arrangements for carding-engines and such like. No. 1,272,045; July 9; v. 252; p. 396.
Hurst, Willis T., Pittsburgh, and C. L. Kenney, Dormont, assignors to Pittsburgh Coal Washer Company, Pittsburgh, Pa. Ladle-tilting apparatus. No. 1,255,313; Feb. 5; v. 247; p. 56.
Hurst, Woodford G., Oxford, Kans. Brake. No. 1,274,885; Aug. 6; v. 253; p. 155.
Hurst, Woodford G., assignor of one-half to S. R. Payne, Oxford, Kans. Planter-plate adjuster. No. 1,263,771; Apr. 23; v. 249; p. 858.
Hurt, George F., assignor to Pratt Engineering & Machine Company, Atlanta, Ga. Sulfur-burning. No. 1,289,783; Dec. 31; v. 257; p. 1002.
Hurter, Henry, assignor to Fulton Iron Works Company, St. Louis, Mo. Crushing-mill. No. 1,280,038; Sept. 24; v. 254; p. 818.
Hurtig, David E., and F. L. Haggart, Delphos, Kans. Attachment for headers and header-binders. No. 1,259,991; Mar. 19; v. 248; p. 660.
Husband, Francis, and A. E. Woodhouse, London, England. Electrically-heated soldering bolt or bit. No. 1,260,263; Mar. 19; v. 248; p. 735.
Huseby, Albert A., Chicago, Ill. Sound-conveyer for talking-machines. No. 1,261,541; Apr. 2; v. 249; p. 156.
Huseby, Albert A., Chicago, Ill. Used-needle receiver for talking-machines. No. 1,267,077; May 21; v. 250; p. 669.
Huseby, Albert A., Chicago, Ill. Automatic starting and stopping device for talking-machines. No. 1,289,784; Dec. 31; v. 257; p. 1002.
Husel, Etho, Cooperstown, N. D. Guard-rail. No. 1,285,194; Nov. 19; v. 256; p. 520.
Husler, John, Jr., Saugus, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding-machine. No. 1,263,418; Apr. 23; v. 249; p. 763.
Hussey, Edward N., Vineland, N. J. Saw-clamp. No. 1,254,597; Jan. 22; v. 246; p. 996.
Hussey, John A., De Kalb, Ill. Pianissimo device for pianos. No. 1,289,449; Dec. 31; v. 257; p. 921.
Hussey, John L., Martinez, Cal. Extracting paraffin from oils. No. 1,277,935; Sept. 3; v. 254; p. 166.
Hussey, John M., Wichita, Kans. Process of recovering substances from fresh, decomposed, or partially decomposed eggs. No. 1,277,727; Sept. 3; v. 254; p. 110.
Hussey, Patrick L., Cleveland, Ohio. Shiftable steering-wheel. No. 1,259,100; Mar. 12; v. 248; p. 373.
Hussey, Thomas O., Brooklyn, assignor of one-half to The National City Bank, New York, N. Y. Desk. No. 1,269,084; June 11; v. 251; p. 305.
Hüssy, Paul, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Therapeutically-valuable compounds of the quinin group. No. 1,261,235; Apr. 2; v. 249; p. 68.
Hüssy, Paul, and W. Föhrenbach, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Compounds derived from diallylbarbituric acid and alkaloids of the morphin series and a process of making same. No. 1,255,423; Feb. 5; v. 247; p. 90.
Hüssy, Paul, and M. Hartmann, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Mercury compounds of the acridin series and making same. No. 1,259,517; Mar. 19; v. 248; p. 522.
Husted, Allan S., Chicago, Ill. Internal-combustion engine. No. 1,270,295; June 25; v. 251; p. 692.
Husted, Clifford M., Jersey City, N. J., assignor to Standard Oil Company. Process for treating fullers' earth and similar materials. No. 1,256,233; Feb. 12; v. 247; p. 368.
Huston, Daisy D., Deepwater, Mo. Educational apparatus. No. 1,269,713; June 18; v. 251; p. 510.
Huston, Marcus D., assignor of one-half to C. G. Steidle, Hemlock, Ind. Automatic mail-crane. No. 1,255,753; Feb. 5; v. 247; p. 185.
Huston, Marlow W., Leadville, Colo. Automobile-signal. No. 1,288,900; Dec. 24; v. 257; p. 760.
Huszár, John, Philadelphia, Pa. Wad-cutter. No. 1,260,264; Mar. 19; v. 248; p. 736.
Hutaff, W. J. (See Hewett, John E., assignor.)
Hutchings, Charles E. (See Ruttan and Hutchings.)
Hutchings, Charles E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic view-finder. No. 1,282,839; Oct. 29; v. 255; p. 870.
Hutchings, James, Chicago, Ill. Amalgamator. No. 1,276,656; Aug. 20; v. 253; p. 703.
Hutchings, William S. (See Goddard and Hutchings.)
Hutchins, Arthur W., Edgewood, R. I. Drying-machine. No. 1,259,101; Mar. 12; v. 248; p. 373.
Hutchins Car Roofing Company. (See Hawksworth, David W., assignor.)
Hutchins Car Roofing Company. (See Hawksworth and Whyte, assignors.)
Hutchins Car Roofing Co. (See Whyte, Frederick M., assignor.)
Hutchins, Constantine, *et al.*, trustees. (See Callan, John G., assignor.)
Hutchins, Elmer N., *et al.*, administrators. (See Orcutt, Edward L.)
Hutchins, Frank E., *et al.* (See Rosentreter, Albert J., assignor.)
Hutchins, George F., and H. Le Doux, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving double-pile fabrics. No. 1,265,084; May 7; v. 250; p. 60.
Hutchins, Otis, assignor to The Carborundum Company, Niagara Falls, N. Y. Aluminous composition and preparing the same. No. 1,257,356; Feb. 26; v. 247; p. 767.
Hutchins, Otis, assignor to The Carborundum Company, Niagara Falls, N. Y. Producing silicon-carbid articles. No. 1,266,478; May 14; v. 250; p. 471.
Hutchins, Otis, assignor to The Carborundum Company, Niagara Falls, N. Y. Production of silicon tetrachlorid. No. 1,271,713; July 9; v. 252; p. 302.
Hutchinson, Alfred, Cleveland, Ohio. Necktie-supporting device. No. 1,258,572; Mar. 5; v. 248; p. 183.
Hutchinson, Charles W., Milwaukee, Wis. Tennis-racket. No. 1,252,576; Jan. 8; v. 246; p. 363.
Hutchinson, David M. (See McKernan, Joseph M., assignor.)
Hutchinson, Francis G. (See Hutchinson, Merrill F. and F. G.)
Hutchinson, Job, Astoria, N. Y. Variable-transmission mechanism. No. 1,259,102; Mar. 12; v. 248; p. 374.
Hutchinson, Job, Astoria, N. Y. Changeable indicator. No. 1,285,715; Nov. 26; v. 256; p. 690.
Hutchinson, Job, Brooklyn, N. Y. Changeable indicator. No. 1,285,716; Nov. 26; v. 256; p. 691.
Hutchinson, Mackintosh, Toronto, Ontario, Canada. Woodworking-machine. No. 1,283,196; Oct. 29; v. 255; p. 967.
Hutchinson, Merrill F. and F. G., Clearwater, Kans. Hay and bundle loader. No. 1,268,122; June 4; v. 251; p. 16.

Alphabetical list of patentees—Continued.

Hutchinson, Morton C., Woodbury, N. J. Boiler-retarder machine. No. 1,263,896; Apr. 23; v. 249; p. 894.
Hutchinson, Morton C., Woodbury, N. J., assignor to Southwark Foundry & Machine Co., Philadelphia, Pa. Angle-planing machine. No. 1,281,965; Oct. 15; v. 255; p. 563.
Hutchinson, Warner S., Terre Haute, Ind. Visible liquid-measure. No. 1,280,481; Oct. 1; v. 255; p. 102.
Hutchinson, Warren B., Newark, N. J. Machine for filling match-boxes. No. 1,266,809; May 21; v. 250; p. 595.
Hutchinson, Wilfred. (See Embree, Herbert, assignor.) (Reissue.)
Hutchinson, William H., Howard Lake, Minn. Air-compressor. No. 1,280,229; Oct. 1; v. 255; p. 32.
Hutchison, Alfred W., and H. C. Warne, Chicago, Ill. Mail bundle-tie. No. 1,252,577; Jan. 8; v. 246; p. 363.
Hutchison, James, and J. Breitfeld, Newport, Ky. Egg breaker and separator. No. 1,254,326; Jan. 22; v. 246; p. 918.
Hutchison, Maurice F., Herndon, Va. Automatic draft-regulator and return-trap. No. 1,261,030; Apr. 2; v. 249; p. 12.
Hutchison, Miller R., West Orange, N. J. Stapling device. (Reissue.) No. 14,507; Aug. 20; v. 253; p. 715.
Hutchison, Miller R., assignor to Edison Storage Battery Company, West Orange, N. J. Filling device or valve for storage batteries or other receptacles. No. 1,275,261; Aug. 13; v. 253; p. 284.
Hutchison, Miller R., and C. W. Norton, assignors to Edison Storage Battery Company, West Orange, N. J. Storage battery. No. 1,283,779; Nov. 5; v. 256; p. 89.
Hutchison, Samuel P. (See Duck, Daniel F., assignor.)
Hutchison, Walter A. (See Yoggerst and Hutchison.)
Huth, Clarence J., North Branch, N. Y. Window attachment. No. 1,264,936; May 7; v. 250; p. 17.
Hutka, John, Youngstown, Ohio. Safety fire-alarm box. No. 1,288,901; Dec. 24; v. 257; p. 760.
Hutsell, Roy E., *et al.* (See Hutsell, Thomas A., assignor.)
Hutsell, Thomas A., assignor of one-fourth to G. S. Hardin, one-fourth to S. W. Hoag, and one-fourth to R. E. Hutsell, Spokane, Wash. Internal-combustion engine. No. 1,269,937; June 18; v. 251; p. 572.
Hutson, G. C., *et al.* (See Harris, Richard G., assignor.)
Hutt, Philipp, Forestville, Conn. Toy. No. 1,289,452; Dec. 31; v. 257; p. 922.
Huttger, Edward P., Philadelphia, Pa. Cigar bunching and forming machine. No. 1,263,673; Apr. 23; v. 249; p. 833.
Huttger, Edward P., Philadelphia, Pa. Cigar-manufacturing machine. No. 1,289,785; Dec. 31; v. 257; p. 1003.
Hutton, Clyde S., Conyngham, Pa. Fly-swatter. No. 1,277,216; Aug. 27; v. 253; p. 889.
Hutton, Edgar, Annapolis, Md. Caster. No. 1,259,103; Mar. 12; v. 248; p. 374.
Hutton, Edward S., Lapel, Ind. Glass-mold. No. 1,253,246; Jan. 15; v. 246; p. 587.
Hutton, Ernest, Wayland, Ky. Blasting-gun. No. 1,252,117; Jan. 1; v. 246; p. 198.
Hutton, Ernest, Wayland, Ky. Blasting-gun. No. 1,252,118; Jan. 1; v. 246; p. 199.
Hutton, Ernest, Wayland, Ky. Firing-terminal of blasting-guns. No. 1,252,119; Jan. 1; v. 246; p. 199.
Hutton, Ernest H., New York, N. Y. Advertising and demonstrating device. No. 1,262,673; Apr. 16; v. 249; p. 533.
Hutton, Frank O., Sacramento, Cal., assignor to Libby, McNiel & Libby, Chicago, Ill. Washing and blanching machine. No. 1,275,560; Aug. 13; v. 253; p. 366.
Hutton, Louis P., Orlando, Fla. Chimney-cap. No. 1,271,166; July 2; v. 252; p. 116.
Hutzelman, John, Warner Springs, Cal. Shade and curtain supporter. No. 1,278,934; Sept. 17; v. 254; p. 489.
Hutzelman, John, and I. Beresford, Warner Springs, Cal.; said Beresford assignor to said Hutzelman. Funnel. No. 1,266,019; May 14; v. 250; p. 346.
Huwiler, Anton, Basel, and H. Maggi, Zurich, Switzerland. Pneumatic starter for engines. No. 1,287,325; Dec. 10; v. 257; p. 316.
Huxley, Maurice F., Hendon, London, England. Safety-belt for aviators and others. No. 1,275,034; Aug. 6; v. 253; p. 196.
Huykman, Fred, Union, N. J. Baby-carriage sleigh. No. 1,288,007; Dec. 17; v. 257; p. 517.
Hveem, John J., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Compound spring friction-gear. No. 1,282,840; Oct. 29; v. 255; p. 870.
Hveem, Martin, Bayles, Cal. Combination hydraulic transmission clutch and brake. No. 1,256,696; Feb. 19; v. 247; p. 539.
Hvid, Rasmus M., assignor to R. M. Hvid Company, Chicago, Ill. Liquid-fuel feed. No. 1,283,197; Oct. 29; v. 255; p. 967.
Hvid, Rasmus M., assignor to R. M. Hvid Company, Chicago, Ill. Compression-release. No. 1,283,780; Nov. 5; v. 256; p. 89.
Hvid, Rasmus M., assignor to R. M. Hvid Company, Chicago, Ill. Governor control. No. 1,283,781; Nov. 5; v. 256; p. 89.
Hy-Watt Battery Company, The. (See Sangers, John H., assignor.)
Hy-Watt Battery Company, The. (See Smith, Ralston F., assignor.)
Hyatt, Albert R., Olds, Iowa. Couch. No. 1,270,737; June 25; v. 251; p. 812.
Hyatt, John W., Orange, N. J. Juice-extracting machine. No. 1,268,247; June 4; v. 251; p. 50.
Hyatt, John W., Newark, N. J. Spring-winding machine. No. 1,289,453; Dec. 31; v. 257; p. 922.
Hyatt, John W., Newark, N. J. Elastic bookbinding. No. 1,289,454; Dec. 31; v. 257; p. 922.
Hyatt, Leon J., Pueblo, Colo. Traffic-signal for motor-vehicles. No. 1,287,326; Dec. 10; v. 257; p. 316.
Hyatt Roller Bearing Division, United Motors Corporation. (See Lockwood, Charles S., assignor.)
Hyatt, William P., and W. C. Stringer, Sacramento, Cal. Retaining-clamp for electric conduits. No. 1,288,902; Dec. 24; v. 257; p. 761.
Hyde, Edward B., Bloomfield, Nebr. Cultivator. No. 1,262,800; Apr. 16; v. 249; p. 569.
Hyde, Elbert L., *et al.* (See Ray, Rudolph W., assignor.)
Hyde, Henry W., North Cohasset, Mass. Carbureter fuel-controlling device. No. 1,259,518; Mar. 19; v. 248; p. 523.
Hyde, Reed W. (See Cameron, Cullen and Hyde.)
Hyder, Charles N., Springfield, Mass. Embroidery-frame. No. 1,275,929; Aug. 13; v. 253; p. 468.
Hydraulic Oil Systems Corporation. (See Farr, Frederick G., assignor.)
Hydraulic Pressed Steel Company, The. (See Davidson, Harry O., assignor.)
Hydraulic Pressed Steel Co., The. (See Foster, James H., assignor.)
Hydro Ventilator Company, The. (See Anderson, William M., assignor.)
Hydrocarbon Converter Company. (See Benham, Elijah B., assignor.)
Hydrometric Company. (See Binckley, George S., assignor.)
Hygienic Baking Corporation. (See Larraburu, John, assignor.)
Hyle, Jacob A., St. Louis, Mo., and J. W. Herman, Philadelphia, Pa., assignors of one-fourth to T. F. von Dorn, New York, N. Y., one-fourth to J. M. Ames, Arkansas City, Kans., one-fourth to C. H. Nelson, St. Louis, Mo., and one-fourth to said Hyle. Railway-joint. No. 1,257,708; Feb. 26; v. 247; p. 871.
Hylton, John A., assignor of one-half to W. E. White, Hatcher, W. Va. Clothes-drier. No. 1,267,226; May 21; v. 250; p. 712.
Hymans, Frederick. (See Lindquist and Hymans.)
Hynes, Lee P., assignor to Railway Utility Company, Chicago, Ill. Relay. No. 1,282,426; Oct. 22; v. 255; p. 729.
Hynes, Lee P., assignor to Railway Utility Company, Chicago, Ill. Ventilator. No. 1,283,521; Nov. 5; v. 256; p. 22.
I. B. Kleinert Rubber Co. (See Basch, David, assignor.)
I. B. Kleinert Rubber Company. (See Guinzburg, Victor, assignor.)
I. H. Dexter Company. (See Dexter, Irven H., assignor.)
Iaculli, Peter, Boston, Mass. Means for attaching heels. No. 1,279,871; Sept. 24; v. 254; p. 772.
Iamonaco, Angelo M., Rochester, N. Y. Steam-cooker. No. 1,272,046; July 9; v. 252; p. 396.
Ibach, Charles W., Tacoma, Wash. Automatic locomotive-tank-valve release. No. 1,270,760; June 25; v. 251; p. 819.
Ibanez, Manuel C., New York, N. Y. Map-index. No. 1,276,657; Aug. 20; v. 253; p. 703.
Ibaraki, Tamejiro, South Bethlehem, Pa. Carpenter's marking-line. No. 1,271,470; July 2; v. 252; p. 199.
Ice, Herbert H., Augusta, Kans. Pumping power. No. 1,288,008; Dec. 17; v. 257; p. 517.
Ichihara, Hidetaro, Seattle, Wash. Shoe-fastener. No. 1,260,265; Mar. 19; v. 248; p. 736.
Icke, Henry A., Victoria, British Columbia, Canada. Marine masonry construction. No. 1,279,548; Sept. 24; v. 254; p. 677.
Ickes, Peter C., Chanute, Kans. Knockdown tank. No. 1,289,469; Dec. 31; v. 257; p. 926.
Icy-Hot Bottle Company, The. (See Altenberg, George P., assignor.)
Ide, Arthur W. (See Whitney and Ide.)
Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Governor for automatic dials. No. 1,276,367; Aug. 20; v. 253; p. 622.
Ide, Harry L. (See Maurer, Henry E., Jr., assignor.)
Ide, Harry L., *et al.* (See Maurer, Henry E., Jr., assignor.)
Ide, Harry L., assignor of one-half to R. W. Ide, Springfield, Ill. Focusing-lens and diaphragm structure. No. 1,262,347; Apr. 9; v. 249; p. 411.
Ide, R. W., *et al.* (See Maurer, Henry E., Jr., assignor.)
Ide, Roy W. (See Ide, Harry L., assignor.)
Ideal Aerator Company. (See Williams, Charles L., assignor.)
Ideal Collapsible Rim Company, The. (See Dressel, Warren E., assignor.)
Ideal Heat & Draft Regulator Co. (See Wolf, Gustav, assignor.)

Ideal Lamp Manufacturing Company. (See Sellner, Herbert W., assignor.)
Ideal Roller Company. (See Wolever, Franklin H., assignor.)
Ideal Specialties Manufacturing Corporation. (See Oppenheim, Leo, assignor.)
Ideal Well Casing Company. (See Beedham, Albert, assignor.)
Idone, Ralph C., Cleveland, Ohio. Hat-pin. No. 1,261,816; Apr. 9; v. 249; p. 266.
Iglesias, Manuel S., Vera Cruz, Mexico. Liquid-heater. No. 1,277,422; Sept. 3; v. 254; p. 26.
Igo, Charles W., Colorado Springs, Colo. Safety valve-stem. No. 1,259,745; Mar. 19; v. 248; p. 586.
Ihlder, John D., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Motor-control system. No. 1,288,418; Dec. 17; v. 257; p. 615.
Ihnken, William, Bloomfield, N. J. Tire-chain clamp. No. 1,288,009; Dec. 17; v. 257; p. 517.
Ikeda, Jimmie T., Minneapolis, Minn. Combination-lock. No. 1,263,062; Apr. 16; v. 249; p. 644.
Ikeda, Yuuyemon, Gardena, Cal. Swimming appliance. No. 1,252,697; Jan. 8; v. 246; p. 397.
Ikemori, Tetsutaro, San Francisco, Cal. Can-opener. No. 1,288,419; Dec. 17; v. 257; p. 615.
Iker, Ida N., Clayton, N. Mex. Broom-holder. No. 1,285,195; Nov. 19; v. 256; p. 521.
Iles, Charles A., Marion, Ohio. Fluid-motor. No. 1,282,841; Oct. 29; v. 255; p. 871.
Ilett, Harry J., La Grange, Ill. Fastening device. No. 1,278,666; Sept 10; v. 254; p 386.
Ilex Optical Company. (See Klein, Rudolph, assignor.)
Ilex Optical Company. (See Klein and Brueck, assignors.)
Ilg, Robert A., Chicago, Ill. Starting-box. No. 1,282,842; Oct. 29; v. 255; p. 871.
Ilieff, Ilion, Washington, D. C. Resilient wheel. No. 1,272,807; July 16; v. 252; p. 638.
Ilieff, Ilion, Washington, D. C. Hoisting-engine control. No. 1,288,597; Dec. 24; v. 257; p. 687.
Iligan, Carl. (See Iligan, Otto E. and C.)
Iligan, Otto E., New York, and C. Iligan, Corona, N. Y. Flying-machine. No. 1,264,937; May 7; v. 250; p. 18.
Iljinsky, Michael, assignor to R. Wedekind & Co. m. b. H., Uerdingen-on-the-Rhine, Germany. Vat dyestuffs and their formation. No. 1,261,394; Apr. 2; v. 249; p. 115.
Illing, Otto R. (See Whalen and Illing.)
Illingworth, Sam, Dallas, Tex. Automobile-signal. No. 1,282,694; Oct. 22; v. 255; p. 802.
Illinois Machine Recorder Co. *et al.* (See Cooney, Peter A., assignor.)
Illinois Publishing and Printing Company. (See Lamphere, Charles S., assignor.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Illinois Tool Works. (See Olson and Richer, assignors.)
Illinois Tool Works. (See Reinlie, William F., assignor.)
Illinois Watch Case Co. (See Johnson, John E., assignor.)
Illinois Watch Company. (See De Long, Charles E., assignor.)
Illinois Watch Case Company. (See Hathaway, Thomas F., assignor.)
Illinois Watch Case Company. (See Lotka, John, assignor.)
Illo, Frank, Dallas, Tex. Sound-producing machine. No. 1,278,152; Sept. 10; v. 254; p. 248.
Illston, Bergen F. (See Underwood and Illston.)
Imbery, Arthur. (See Alexander, Vint, and Imbery.)
Imblum, Leo, La Junta, Colo. Combined manual and power controlling mechanism. No. 1,258,337; Mar. 5; v. 248; p. 112.
Imbriani, Ralph, Brooklyn, assignor of one-half to N. Cypher, New York, N. Y. Shoe-rack. No. 1,273,494; July 23; v. 252; p. 849.
Imhoff, Andy M. (See Howard and Lawson, assignors.)
Imhoff, Henry A., Chillicothe, B. F. Cooke and W. A. Rhulman, Hamden, Ohio. Combined gas-feed and carbureter. No. 1,254,598; Jan. 22; v. 246; p. 996.
Imhoff, John H., Chazy, N. Y., assignor, by mesne assignments, to Johnson Automobile Lock Co., Chicago, Ill. Gear-shift and ignition lock. No. 1,272,449; July 16; v. 252; p. 535.
Imhoff, John H., assignor, by mesne assignments, to Johnson Automobile Lock Co., Chicago, Ill. Gear-lock. No. 1,273,372; July 23; v. 252; p. 816.
Imm, Charles F., Detroit, Mich. Folding bed. No. 1,264,301; Apr. 30; v. 249; p. 1039.
Imperial Brass Manufacturing Company, The. (See Woods, Joseph M., assignor.)
Imperial Electrical Co. (See Hiatt, Enos R., assignor.)
Import Sales Company. (See Kahn, Walter D., assignor.)
Import Sales Company, (See Rosenfeld, Francis M., assignor.)
Import Sales Company. (See Rosenfeld and Shaw, assignors.)
Improved Paper Machinery Company. (See Haug, Anton J., assignor.)
Imus, Luther E., Atolia, Cal. Lock-nut. No. 1,265,335; May 7; v. 250; p. 126.
Indahl, Mauritz C. (See Bancroft and Indahl.)
Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic composing-machine. No. 1,256,801; Feb. 19; v. 247; p. 569.
Independent Button Fastener Machine Company. (See Sneierson, Samuel L., assignor.)
Independent Button Fastener Machine Company. (See Stenman, Axel C., assignor.)
Independent Filter Press Co., The. (See Hagstrom, Joel E., assignor.)
India Rubber Company, The. (See Gibbons, Willis A., assignor.)
India Rubber Company, The. (See Weida, Harry, assignor.)
Indiana Manufacturing Company, The. (See Carter, John V., assignor.)
Indiana Manufacturing Company, The. (See MacGregor, Wallace F., assignor.)
Indiana Manufacturing Company, The. (See Wadleigh and Garrison, assignors.)
Indispensable Manufacturing Co. (See Johnson, Carl V., assignor.)
Individual Drinking Cup Company. (See Luellen, Lawrence W., assignor.)
Industrial Chemical Company. (See Statham, Noel, assignor.)
Industrial Controller Company. (See Van Valkenburg, Hermon L., assignor.)
Industrial Equipment Company. (See White, John W., Jr., asssignor.)
Industrial Poured Concrete House Co. (See Bachman, Robert A., assignor.)
Inescort, Elanie, *et al.* (See Cobb, Bayard G., assignor.)
Infield, George W., *et al.* (See Boswell, George G. F., assignor.)
Ingalls, Howard D. (See Ingalls, Joseph B., assignor.)
Ingalls, Joseph B., assignor to H. D. Ingalls, Chicago, Ill. Finger-ring gage. No. 1,277,075; Aug. 27; v. 253; p. 851.
Ingebrigtsen, Ralph L., Missoula, Mont. Ruling-pen attachment. No. 1,262,801; Apr. 16; v. 249; p. 569.
Ingells, James, Muskegon, Mich. Direction-indicator. No. 1,253,040; Jan. 8; v. 246; p. 498.
Ingersoll, Fred T. (See Duff, Edward E., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
Ingersoll-Rand Company. (See Banner, Otto, assignor.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Christmas, Adolph F., assignor.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingersoll-Rand Company. (See Jones and Treiber, assignors.)
Ingersoll-Rand Company. (See Peters, Arthur E., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingersoll-Rand Company. (See Taylor, Albert H., assignor.)
Ingersoll-Rand Company. (See Thomas and Blackwell, assignors.)
Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
Ingham, William A., Los Angeles, Cal. Roasting ores. No. 1,283,782; Nov. 5; v. 256; p. 90.
Inghram, Howard T., Chicago, Ill. Holding implement. No. 1,256,565; Feb. 19; v. 247; p. 501.
Ingle, Arthur H., Rochester, N. Y. Axle-lathe. No. 1,288,903; Dec. 24; v. 257; p. 761.
Inglefield, Charles L., Midland, Pa. Watt-hour meter. No. 1,276,925; Aug. 27; v. 253; p. 810.
Ingleman, William F, Jasonville, Ind. Shoe. No. 1,283,783; Nov. 5; v. 256; p. 90.
Ingles, Edwin F. (See Von Boden and Ingles.)
Inglesby, Albert E., Brooklyn, N. Y. Cigar-holder. No. 1,281,164; Oct. 8; v. 255; p. 316.
Inglese, Albert, San Francisco, Cal. Geometric wood-carver. No. 1,274,270; July 30; v. 252; p. 1101.
Ingleton, James W., Astoria, Oreg. Dubbing-machine. No. 1,259,404; Mar. 12; v. 248; p. 459.
Ingold, Paul, Basel, Switzerland. Artificial leg. No. 1,281,165; Oct. 8; v. 255; p. 317.
Ingoldsby Automatic Car Company, The. (See Ingoldsby, Frank S., assignor.)
Ingoldsby Automatic Car Company, The. (See Ingoldsby and Gibbard, assignors.)
Ingoldsby, Frank S., West Bloomfield township, Oakland county, Mich., assignor to The Ingoldsby Automatic Car Company, Cleveland, Ohio. Dump-car. No. 1,256,323; Feb. 12; v. 247; p. 394.
Ingoldsby, Frank S., West Bloomfield township, Oakland county, Mich., assignor to The Ingoldsby Automatic Car Company, Cleveland, Ohio. Dump-car-door-raising mechanism. No. 1,275,930; Aug. 13; v. 253; p. 460.
Ingoldsby, Frank S., Pine Lake, and H. T. Gibbard, Highland Park, Mich., assignors to The Ingoldsby Automatic Car Company, Cleveland, Ohio. Dump-car. No. 1,286,593; Dec. 3; v. 257; p. 100.
Ingraham, Floyd L., Philadelphia, Pa., assignor, by mesne assignments, to Railway Journal Packing Company, Inc. Packing for journal-boxes. No. 1,279,700; Sept. 24; v. 254; p. 722.
Ingram, Alfred, Brooklyn, N. Y. Receptacle-closure. No. 1,265,451; May 7; v. 250; p. 160.

Alphabetical list of patentees—Continued.

Ingram Clock Co. (See Ingram, Herbert C., assignor.)
Ingram, Edward H., Springfield, Mass. Gun-barrel machine. No. 1,279,347; Sept. 17; v. 254; p. 600.
Ingram, Elihu, Detroit, Mich. Collar-fastener. No. 1,274,553; Aug. 6; v. 253; p. 61.
Ingram, George E., Roman, Mont. Fuel-gage. No. 1,265,336; May 7; v. 250; p. 126.
Ingram, Herbert C., assignor to The Ingram Clock Co., Oklahoma, Okla. Timing device. No. 1,263,063; Apr. 16; v. 249; p. 644.
Inlaid Company, The. (See Butler, David H., assignor.)
Inland Machine Works. (See Frank, Harry S., assignor.)
Inman, Lewis, Millville, Mass. Hand-weeder. No. 1,288,904; Dec. 24; v. 257; p. 761.
Inman Manufacturing Company. (See Joslin, Frank M., assignor.)
Inman, Orion D. W., Beloit, Wis. Sanitary closure for telephone-mouthpieces. No. 1,285,196; Nov. 19; v. 256; p. 521.
Inman, Walter A. (See Boyle and Inman.)
Innes, Frank R., Detroit, Mich. Mechanism for integrating power-current values. No. 1,256,234; Feb. 12; v. 247; p. 369.
Innes, Harry C., Cincinnati, Ohio. Wood paving-block and pavement. No. 1,268,123; June 4; v. 251; p. 16.
Innes, Harry C., Cincinnati, Ohio. Road, paving, flooring, or like structures. No. 1,277,936; Sept. 3; v. 254; p. 166.
Innes, Harry C., Cincinnati, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Joint-strip-laying device and method. No. 1,255,611; Feb. 5; v. 247; p. 144.
Inshaw, George R. (See Inshaw, John G. and G. R.)
Inshaw, John G. and G. R., near Gartcosh, North Britain. Apparatus for use in making weldless tubes from hollow blooms, billets, and the like. No. 1,263,251; Apr. 16; v. 249; p. 696.
Insley Manufacturing Company. (See Insley and Rasmussen, assignors.)
Insley, William H., and A. C. Rasmussen, assignors to Insley Manufacturing Company, Indianapolis, Ind. Concrete-chuting plant. No. 1,285,717; Nov. 26; v. 256; p. 691.
Internal Combustion Steam Engine Co. (See Mulligan, Paul C., assignor.)
International Banding Machine Company. (See Malocsay, Francis X., assignor.)
International Burr Corporation. (See Aikin, William P., assignor.)
International Canning Machinery Co. (See Phelps, Paul, assignor.)
International Casement Company. (See Ellison, Edward H., assignor.)
International Cigar Machinery Company. (See Anderson, Gustav, assignor.)
International Cigar Machinery Company. (See Hansen, Victor E., assignor.)
International Clay Machinery Co., The. (See McElroy, Roy H., assignor.)
International Coal Products Corporation. (See Smith, Charles H., assignor.)
International Conveyor Corporation. (See Stuart, Francis L., assignor.)
International Cork Company. (See Alberti, Caritj, and La Femina, assignors.)
International Cork Company. (See Alberti, Emilio, assignor.)
International Cork Company. (See La Femina, Gaetano, assignor.)
International Cork Company. (See Rasmusssen and Alberti, assignors.)
International Corset Company. (See Gardner, Marshall B., assignor.)
International Crude Oil Storage Company. (See Bowles, William M., assignor.)
International Curtis Marine Turbine Company. (See Newton, Earle R., assignor.)
International Filler Corporation. (See Shelor, Frederick L., assignor.)
International Harness Machinery Company, The. (See Gnoeth, Emil, assignor.)
International Harvester Company. (See Benjamin, Bert R., assignor.)
International Harvester Company. (See Burgess, Edward W., assignor.)
International Harvester Company. (See Dennis, Samuel K., assignor.)
International Harvester Company of New Jersey. (See Barton, Clarence H., assignor.)
International Harvester Company of New Jersey. (See Benjamin, Bert R., assignor.)
International Harvester Company of New Jersey. (See Burgess, Edward W., assignor.)
International Harvester Company of New Jersey. (See Grieven, Albert, assignor.)
International Harvester Company of New Jersey. (See Hagadone, Clinton A., assignor.)
International Harvester Company of New Jersey. (See Hitchcock, Rex B., assignor.)
International Harvester Company of New Jersey. (See Holland-Letz, Lud, assignor.)
International Harvester Company of New Jersey. (See Lohmann, Carl H., assignor.)
International Harvester Company of New Jersey. (See McIntire, Richard E., assignor.)
International Harvester Company of New Jersey. (See Mowry, Edward, assignor.)
International Harvester Company of New Jersey. (See Pearson, Charles, assignor.)
International Harvester Company of New Jersey. (See Raney, Clemma R., assignor.)
International Harvester Company of New Jersey. (See Raney and Benjamin, assignors.)
International Harvester Company of New Jersey. (See Rice, George L., assignor.)
International Harvester Company of New Jersey. (See Ryther, Frank A., assignor.)
International Harvester Company of New Jersey. (See Sharp, Charles S., assignor.)
International Harvester Company of New Jersey. (See Sharp, James A., assignor.)
International Harvester Company of New Jersey. (See Sturrock, John, assignor.)
International Harvester Company of New Jersey. (See Willis, George W., assignor.)
International Harvester Corporation. (See Baseman, Ernest, assignor.)
International Harvester Corporation. (See Ford, Ralph L., assignor.)
International Harvester Corporation. (See Johnston, Edward A., assignor.)
International Harvester Corporation. (See Smith, William H. F., assignor.)
International Harvester Corporation. (Wild, Edward F., assignor.)
International High Speed Steel Company. (See Dunn, William T., assignor.)
International Marine Planer. (See Broward, Edward C., assignor.)
International Money Machine Company. (See Brockman, Robert T., assignor.)
International Money Machine Company. (See Mann, Miles H., assignor.)
International Money Machine Company. (See Overlin, William S., assignor.)
International Money Machine Company. (See Sorum and Brockman, assignors.)
International Motor Company. (See Hewitt and Leipert, assignors.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Motor Company. (See Masury and Herreshoff, assignors.)
International Motor Company. (See Herreshoff, Alexander G., assignor.)
International Motor Company. (See Leipert, August H., assignor.)
International Paper Company. (See Lombard, Nathaniel, assignor.)
International Paper Company. (See White, Ambrose H., assignor.)
International Paper Company. (See Witham, George S., Jr., assignor.)
International Patent Investment Company, The. (See Brown, George F., assignor.)
International Patent Licensing Corporation. (See Peters, William A., assignor.)
International Pavement Company. (See Upham, Preston, assignor.)
International Precipitation Company. (See Anderson, Evald, assignor.)
International Precipitation Company. (See Moon, Freeman S., assignor.)
International Precipitation Company. (See Nestell, Raymond J., assignor.)
International Precipitation Company. (See Schmidt, Walter A., assignor.)
International Precipitation Company. (See Schmidt and Roberts, assignors.)
International Precipitation Company. (See Welch, Harry V., assignor.)
International Printing Company. (See Henderson, George H., assignor.)
International Printing Co. of Indiana. (See Hess, Michael, assignor.)
International Register Co., The. (See Woodward, Arthur H., assignor.)
International Register Company, The. (See Kirchhoff, William G., assignor.)
International Rubber Company, The. (See Gates, Charles C., assignor.)
International Signal Company, The. (See Webb, Jean F., Jr., assignor.)
International Supply Co. (See La Point, Frank L., assignor.)
International Time Recording Company. (See Larrabee, Clinton E., assignor.)
International Time Recording Company of New York. (See Bryce, James W., assignor.)
International Time Recording Company of New York. (See Bush, Le Grand C., assignor.)
International Time Recording Company of New York. (See Goss and Bryce, assignors.)
International Time Recording Company of New York. (See Knistrom, August, assignor.)

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International Time Recording Company of New York. (See Larrabee, Clinton E., assignor.)
Interstate Electric Novelty Company. (See Janovsky, Arnost, assignor.)
Intertype Corporation. (See Armstrong, Henry A., assignor.)
Intertype Corporation. (See Johns, Thomas W., assignor.)
Inventors Novelty Manufacturing Company, The. (See Braen, Henry, assignor.)
Inventors Products Company. (See Tabrah, Joseph, assignor.)
Inwood, Mary C., administratrix. (See Inwood, Richard G.)
Inwood, Richard G., deceased, South Bend, Ind.; M. C. Inwood, administratrix. Box and making the same. No. 1,252,120; Jan. 1; v. 246; p. 199.
Inwood, Richard G., deceased, South Bend, Ind.; M. C. Inwood, administratrix, assignor of one-half to D. P. Murphy, New York, N. Y. Box. No. 1,288,598; Dec. 24; v. 257; p. 687.
Iowa Gate Company. (See Brady, Edward J., assignor.)
Ippolito, Cesare, *et al.* (See Bertolini and Cappelletti, assignors.)
Iredale, Thomas E., *et al.* (See Calkins, Almon B., assignor.)
Irelan, Alfred E., Sharon Hill, Pa., assignor to Simmons Manufacturing Company, Kenosha, Wis. Mattress-frame. No. 1,270,829; July 2; v. 252; p. 21.
Ireland, A. Bertsell and F. L., Norwich, N. Y. Cutting and folding machine. No. 1,273,495; July 23; v. 252; p. 849.
Ireland, C. Frank. (See Bradley, Richard C., assignor.)
Ireland, Edwin G., Steveston, British Columbia, Canada. Vegetable slicing and shredding machine. No. 1,255,013; Jan. 29; v. 246; p. 1146.
Ireland, Frank L. (See Ireland, A. Bertsell and F. L.)
Ireland, Harvey, North Emporia, Va. Sheet-metal shock-binder. No. 1,277,076; Aug. 27; v. 253; p. 851.
Ireland, Harvey, North Emporia, Va. Wire shock-binder. No. 1,277,077; Aug. 27; v. 253; p. 852.
Ireland, Morris B., New York, N. Y. Ignition means for combustion-engines. No. 1,258,117; Mar. 5; v. 248; p. 49.
Ireland, Ward S., St. Louis, Mo. Autographic register. No. 1,264,302; Apr. 30; v. 249; p. 1039.
Ireland, Ward S., assignor to National Shorthand Machine Company, St. Louis, Mo. Type-writing machine. No. 1,278,472; Sept. 10; v. 254; p. 333.
Ireland, Ward S., assignor to National Shorthand Machine Company, St. Louis, Mo. Type-writing machine. No. 1,278,473; Sept. 10; v. 254; p. 333.
Ireland, Ward S., assignor to National Shorthand Machine Company, St. Louis, Mo. Shorthand-machine. No. 1,278,474; Sept. 10; v. 254; p. 333.
Ireland, Ward S., assignor to National Shorthand Machine Company, St. Louis, Mo. Type-writing machine. No. 1,278,475; Sept. 10; v. 254; p. 333.
Ireland, Ward S., assignor to National Shorthand Machine Company, St. Louis, Mo. Shorthand-machine. No. 1,280,743; Oct. 8; v. 255; p. 200.
Ireland, Ward S., assignor to National Shorthand Machine Company, St. Louis, Mo. Shorthand-machine. No. 1,283,198; Oct. 29; v. 255; p. 967.
Ireland, Ward S., St. Louis, Mo., and W. E. Lippert, Cincinnati, Ohio, assignors to National Shorthand Machine Company, St. Louis, Mo. Type-writing machine. No. 1,275,434; Aug. 13; v. 253; p. 331.
Irey, William S., Apalit, Pampanga, Philippine Islands. Change-speed gearing. No. 1,276,368; Aug. 20; v. 253; p. 623.
Irey, William S., San Fernando, Pampanga, Philippine Islands. Change-speed gearing. No. 1,276,369; Aug. 20; v. 253; p. 623.
Irgens, Paul H., Tyssedal, Norway. Rotating combustion-engine. No. 1,285,197; Nov. 19; v. 256; p. 521.
Iriye, Mazumi, Los Angeles, Cal. Wind-shield cleaner. No. 1,286,594; Dec. 3; v. 257; p. 100.
Iron City Sanitary Manufacturing Company. (See Danver, James H., assignor.)
Irrgang, William F., assignor to George P. Clark Company, Windsor Locks, Conn. Lifting-truck. No. 1,253,178; Jan. 8; v. 246; p. 538.
Irrgang, William F., assignor to George P. Clark Company, Windsor Locks, Conn. Lifting and lowering apparatus. No. 1,253,179; Jan. 8; v. 246; p. 539.
Irvin, Henry B. (See Miller and Irvin.)
Irvine, Allan A. (See Blankenship, Richard, assignor.)
Irvine, John J., Pittsburgh, Pa. Manhole-bridge. No. 1,255,424; Feb. 5; v. 247; p. 90.
Irvine, John M., Williams Bay, Wis. Wave-motor and pumping system. No. 1,285,198; Nov. 19; v. 256; p. 521.
Irvine, Malcolm M., Glasgow, Scotland. Electrode as used for welding purposes. No. 1,261,395; Apr. 2; v. 249; p. 115.
Irving Iron Works Co. (See Berson, Nathan, assignor.)
Irving, James A., assignor to The Breechloader Pipe Company, Inc., New York, N. Y. Smoking-pipe. No. 1,280,039; Sept. 24; v. 254; p. 818.
Irving-Pitt Manufacturing Company. (See Pitt, William P., assignor.)
Irwin Auger Bit Company, The. (See McPherson, Elmer T., assignor.)
Irwin, Earle S., assignor to Steel Furniture Co., Grand Rapids, Mich. Insulating-finish for metal. No. 1,257,357; Feb. 26; v. 247; p. 767.
Irwin, Frederick W., New York, N. Y. Water-power apparatus. No. 1,283,199; Oct. 29; v. 255; p. 968.
Irwin, George T., Toronto, Ontario, Canada. Lamp-support. No. 1,262,802; Apr. 16; v. 249; p. 569.
Irwin, Herbert G., Spur, Tex. Vacuum-energized make-and-break spark-plug. No. 1,268,719; June 4; v. 251; p. 183.
Irwin, Herbert G., Spur, Tex. Device for cleaning electrodes of make-and-break spark-plugs. No. 1,275,035; Aug. 6; v. 253; p. 197.
Irwin, Herbert G., Spur, Tex. Vacuum-operated make-and-break spark-plug. No. 1,285,199; Nov. 19; v. 256; p. 522.
Irwin, Payson, Stamford, Conn. Vacuum-container. No. 1,281,966; Oct. 15; v. 255; p. 563.
Irwin, Payson, Stamford, Conn. Device for manufacturing vacuum-containers. No. 1,284,194; Nov. 5; v. 256; p. 200.
Irwin, Samuel D., Floydada, and S. E. Johnson, Jr., Spur, Tex. Cotton-bur separator. No. 1,276,370; Aug. 20; v. 253; p. 623.
Irwin, William C., assignor of one-half to W. C. Smith, Rochester, N. Y. Projectile. No. 1,281,967; Oct. 15; v. 255; p. 564.
Irwin, William J., Wilkinsburg, Pa. Nozzle control for turbines. No. 1,254,599; Jan. 22; v. 246; p. 996.
Isaac, William H., Philadelphia, Pa. Shelf-bracket. No. 1,288,010; Dec. 17; v. 257; p. 517.
Isaacs, John D., New York, and C. R. Harding, Brooklyn, N. Y. Railway-switch mechanism. No. 1,274,271; July 30; v. 252; p. 1102.
Isaacs, Josiah, Birmingham, England. Figure toy. No. 1,276,224; Aug. 20; v. 253; p. 582.
Isaacs, Moses, New York, N. Y. Cloth-laying machine. No. 1,265,452; May 7; v. 250; p. 160.
Isaacs, William M., Cleveland, Ohio. Combined collar button and buttoner. No. 1,275,931; Aug. 13; v. 253; p. 469.
Isaacson, Fred A., Topeka, Kans. Locomotive-truck. No. 1,272,450; July 16; v. 252; p. 535.
Isbell, Dell, Mace, Idaho. Adjustable stop. No. 1,264,803; Apr. 30; v. 249; p. 1176.
Isbell, John A. (See Wood and Isbell.)
Isbills, William L., Bayonne, N. J. Endless flexible-picture holder and carrier device for projector-lanterns. No. 1,258,905; Mar. 12; v. 248; p. 317.
Isbills, William L., Bayonne, N. J. Picture-carrier for use in connection with projector-lanterns. No. 1,260,673; Mar. 26; v. 248; p. 891.
Isco Chemical Company. (See Baillio, Gervais, assignor.)
Ise, Edward A., Grosse Pointe, Mich. Bookkeeping device. No. 1,281,380; Oct. 15; v. 255; p. 408.
Isenor, Laurie, assignor of one-half to S. McPhee, Dutch Settlement, Nova Scotia, Canada. Wrench. No. 1,280,482; Oct. 1; v. 255; p. 102.
Iseri, Robert K., Sacramento, Cal. Set of bookkeeping-records. No. 1,271,167; July 2; v. 252; p. 116.
Isert, Arthur, assignor to Pacific Box Factory, San Francisco, Cal. Box-trimming machine. No. 1,265,337; May 7; v. 250; p. 127.
Isgett, Stephen E., Gilbert, La. Furnace-door for brick-kilns. No. 1,269,450; June 11; v. 251; p. 405.
Isham, Robert M. (See Handy and Isham.)
Isherwood, Joseph W., and J. W. Stewart, London, England. Construction of tank-vessels. No. 1,252,008; Jan. 1; v. 246; p. 167.
Ishida, Ryutaro, Los Angeles, Cal. Military game. No. 1,265,085; May 7; v. 250; p. 60.
Isidor, Joseph S., Newark, N. J. Locking mechanism for bag-frames. No. 1,282,843; Oct. 29; v. 255; p. 871.
Isko Company, The. (See Higley, Harvey V., assignor.)
Isko Company, The. (See McCuen, Charles L., assignor.)
Isko Company, The. (See Tibbetts, Milton, assignor.)
Isko Company, The. (See Wolf, Fred W., assignor.)
Iskols, Anatol D., Schenectady, N. Y. Hydraulic thrust-bearing. No. 1,268,575; June 4; v. 251; p. 144.
Isnard, Maxence, Grenoble, France. Lathe. No. 1,265,785; May 14; v. 250; p. 280.
Isom, David A., Boise, Idaho. Automobile-lock. No. 1,288,905; Dec. 24; v. 257; p. 761.
Isom, Edward W., assignor to Sinclair Refining Company, Chicago, Ill. Cracking hydrocarbons. No. 1,285,200; Nov. 19; v. 256; p. 522.
Isom, Walter L., Crows Landing, Cal. Grain-reclaimer. No. 1,272,665; July 16; v. 252; p. 597.
Isom, Walter L., Crows Landing, Cal. Mechanical hay-shocker. No. 1,272,666; July 16; v. 252; p. 597.
Ittner, George W., St. Louis, Mo. Loading and unloading mechanism for motor-trucks. No. 1,289,786; Dec. 31; v. 257; p. 1003.
Ittner, Martin H., Jersey City, N. J. Hydrogenating oily material containing unsaturated bodies. No. 1,271,575; July 9; v. 252; p. 263.
Ittner, Martin H., Jersey City, N. J. Hydrogenation of unsaturated bodies. No. 1,271,576; July 9; v. 252; p. 264.

Iuchi, Tahei, Tokushima, Japan. Spin-scale. No. 1,256,566; Feb. 19; v. 247; p. 501.
Ivatts, Ernest A., assignor to Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe, Paris, France. Recording and reproducing phonograph. No. 1,269,607; June 18; v. 251; p. 480.
Iverson, Barney, Arnegard, N. D. Feed-bucket. No. 1,275,695; Aug. 13; v. 253; p. 403.
Iverson Piano Player Company. (See Peterson, Claus E., assignor.)
Ives, Charles A., Brooklyn, N. Y. Wrench device. No. 1,281,575; Oct. 15; v. 255; p. 459.
Ives, Frederic E., Philadelphia, Pa. Color photography. No. 1,261,542; Apr. 2; v. 249; p. 157.
Ives, Frederic E., Philadelphia, Pa. Color photography. No. 1,268,847; June 11; v. 251; p. 239.
Ives, Frederic E., Philadelphia, Pa. Color photography. No. 1,278,667; Sept. 10; v. 254; p. 386.
Ives, Frederic E., Philadelphia, Pa. Color photograph or film and method of producing same. No. 1,278,668; Sept. 10; v. 254; p. 387.
Ives, Frederic E., Philadelphia, Pa. Photographic camera. No. 1,287,327; Dec. 10; v. 257; p. 316.
Ives, Frederic E., Woodcliff-on-Hudson, N. J. Motion-picture apparatus. No. 1,262,954; Apr. 16; v. 249; p. 612.
Ives, George W., Milwaukie, Oreg. Shaft-jack. No. 1,274,554; Aug. 6; v. 253; p. 61.
Ives, Herbert E., Philadelphia, Pa., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for and method of testing visual acuity. No. 1,270,830; July 2; v. 252; p. 21.
Ives, Jesse E., Norfolk, Va. Toggle trimming mechanism. No. 1,281,381; Oct. 15; v. 255; p. 409.
Iveson, Albert E., Fall River, Mass. Attachment for fountain-brushes. No. 1,253,978; Jan. 15; v. 246; p. 798.
Ivory Garter Company. (See Butts, Daniel G., assignor.)
Ivory, James W., Philadelphia, Pa. Envelop-opener and paper-knife. No. 1,259,405; Mar. 12; v. 248; p. 459.
Ivory, James W., Philadelphia, Pa. Torpedo-guard for ships, boats, or vessels. No. 1,263,064; Apr. 16; v. 249; p. 644.
Ivory, James W., Philadelphia, Pa. Dental multiple-jaw cervix-clamp. No. 1,265,664; May 7; v. 250; p. 214.
Iwagami, Echi R., Chicago, Ill. Photo-camera. No. 1,273,373; July 23; v. 252; p. 817.
Iwata, Yoshito, Buffalo, N. Y. Combined chair, table, and fire-escape. No. 1,265,203; May 7; v. 250; p. 92.
Iyesaka, Shohei, Seattle, Wash. Computing-machine. No. 1,289,787; Dec. 31; v. 257; p. 1003.
Izard, Henry, Portland, Oreg. Oil-gas generator. No. 1,263,772; Apr. 23; v. 249; p. 858.
Izenstark, Charles. (See Haggerty, Frank, assignor.)
Izzo, Francesco, Toronto, Ontario, Canada. Nut-lock. No. 1,288,599; Dec. 24; v. 257; p. 688.
J. Geo. Leyner Engineering Works Company, The. (See Ditson, Jesse, assignor.)
J. Henry Koening Company, The. (See Von Wahlde and Stiens, assignors.)
J. Spaulding & Sons Co. (See Abbott, William G., Jr., assignor.)
J. Stone & Company. (See Darker, Alfred H., assignor.)
J. Stone & Company. (See Rohman, Harry D., assignor.)
J. & A. Jensen Og Dahl. (See Schaanning, Peder C., assignor.)
J. B. Carbureter Corporation. (See Abell, Rollin, assignor.)
J. B. Williams Company, The. (See Williams, Philip K., assignor.)
J. B. Williams Company. (See Williams and Hurst, assignors.)
J. C. Rhodes & Co. (See Vincent, Herbert M., assignor.)
J. D. Fate Company, The. (See Carter, Floyd B., assignor.)
J. E. Hanger, Inc. (See Forster, Adam, assignor.)
J. E. Mergott Company, The. (See Fuller, Franz A., assignor.)
J. F. Sturdy's Sons Co. (See Burgess, Frederick G., assignor.)
J. F. Sturdy's Sons Co. (See Eklund, Axel G., assignor.)
J. G. Brill Company, The. (See Kling and Dennis, assignors.)
J. G. Brill Company, The. (See Kohler, George B., assignor.)
J. G. Brill Company, The. (See Smith, Warren M., assignor.)
J. G. Cherry Company. (See Chadima, Frank, assignor.) (Reissue.)
J. G. Rider Pen Co. (See Rider, Jay G., assignor.)
J. G. Wilson Corporation, The. (See Norton, John R., assignor.)
J. G. Wilson Corporation. (See Sutton, Woodruff, assignor.)
J. H. Day Company, The. (See Allison, Daniel K., assignor.)
J. H. Sager Company. (See Sager, Clinton M., assignor.)
J. H. Sager Company. (See Sager, James H., assignor.)
J. H. White Manufacturing Company. (See Limbach, Curtis A., assignor.)
J. I. Case Threshing Machine Company. (See Bell, Robert D., assignor.)
J. I. Case Threshing Machine Company. (See Birkett, Edward J., assignor.)
J. I. Case Threshing Machine Company. (See Davies, David P., assignor.)
J. I. Case Threshing Machine Company. (See Dremel, Albert J., assignor.)
J. I. Case Threshing Machine Company. (See Fellows, Hugh W., assignor.)
J. I. Case Threshing Machine Company. (See Winckler, Aage E., assignor.)
J. I. Case Threshing Machine Company. (See Zachow, William, assignor.)
J. K. Osborn Manufacturing Company. (See Grimm, Theodore E., assignor.)
J. L. Sommer Manufacturing Co. (See Harding, Thomas, assignor.)
J. L. Sommer Manufacturing Co. (See Sommer, John L., assignor.)
J. M. Fisher Company. (See Chilson, Lewis S., assignor.)
J. P. Eustis Mfg. Company. (See Eustus, John P., assignor.)
J. P. Gordon Company, The. (See Brock and Allison, assignors.)
J. P. Seeburg Piano Company. (See Wiggen, Peder, assignor.)
J. R. Palmenberg Sons. (See Palmenberg, Emil E., assignor.)
J. S. Young & Company. (See Warkup, Herbert, assignor.)
J. T. Slocomb Co. (See Slocomb, John T., assignor.)
J. W. Cruikshank Engineering Company. (See Cruikshank, James W., assignor.)
J. W. Moore Machine Company, The. (See Currier, Arthur L., assignor.)
Jabelonsky, Carl H., Spokane, Wash. Corner reinforcement and protector. No. 1,273,612; July 23; v. 252; p. 882.
Jablonowski, Theodore, Jersey City, N. J. Boring and drilling device. No. 1,286,644; Dec. 3; v. 257; p. 112.
Jabs, Edward, Elmwood Park, Ill. Printing-frame. No. 1,258,118; Mar. 5; v. 248; p. 49.
Jachimczak, Stanislaw, Gary, Ind. Domestic appliance. No. 1,252,807; Jan. 8; v. 246; p. 428.
Jack, Charles P. M., New York, N. Y. Tank-barge. No. 1,284,689; Nov. 12; v. 256; p. 353.
Jackman, Charles W. and M. M., Waterloo, Ind. Rotary pump. No. 1,268,248; June 4; v. 251; p. 50.
Jackman, George C., Spokane, Wash. Vehicle-seat. No. 1,261,396; Apr. 2; v. 249; p. 115.
Jackman, Miles M. (See Jackman, Charles W. and M. M.)
Jackson, Benjamin B., Chicago, Ill. Motor-starter. No. 1,289,788; Dec. 31; v. 257; p. 1004.
Jackson, Burnice V., Birmingham, Ala. Car-replacer. No. 1,270,161; June 18; v. 251; p. 630.
Jackson, Carl J., Superior, Wis. Door construction. No. 1,251,779; Jan. 1; v. 246; p. 101.
Jackson, Carrie I., Pepin, Wis. Wire-knot. No. 1,259,869; Mar. 19; v. 248; p. 623.
Jackson, Carrie I., Pepin, Wis. Corn-planter. No. 1,269,451; June 11; v. 251; p. 405.
Jackson, Charles N., New York, N. Y. Combination ledger and statement posting form. No. 1,262,197; Apr. 9; v. 249; p. 370.
Jackson, Clarence W., assignor of fifty-five one-hundredths to D. F. Mains and twenty-two and one-half one-hundredths to A. D. Rieder, Valier, Mont. Driving-gearing for tractors. No. 1,255,314; Feb. 5; v. 247; p. 57.
Jackson Compressor Company, The. (See Jackson, Henry O., assignor.)
Jackson, Elmer L. (See Miller and Jackson.)
Jackson, Engolf A. (See Grant and Jackson.)
Jackson Fence Company. (See Mills, Anson C., assignor.)
Jackson, Frederick E., Chorlton-cum-Hardy, England. Respirator-helmet. No. 1,267,666; May 28; v. 250; p. 860.
Jackson, George. (See Clarke and Jackson.)
Jackson, George F., Mount Pleasant, Tex. Railway-frog. No. 1,274,050; July 30; v. 252; p. 1039.
Jackson, George W., assignor to The George W. Jackson New Marking Company, Belleville, Ill. Mold. No. 1,261,543; Apr. 2; v. 249; p. 157.
Jackson, Harley D., West Duluth, Minn. Tire-holder. No. 1,277,593; Sept. 3; v. 254; p. 72.
Jackson, Henry, Philadelphia, Pa. Automatic fan. No. 1,276,225; Aug. 20; v. 253; p. 583.
Jackson, Henry O., assignor to The Jackson Compressor Company, Denver, Colo. Check-valve. No. 1,268,720; June 4; v. 251; p. 184.
Jackson, Joseph H., Clanton, assignor of one-third to F. L. Blackman, Anniston, Ala. Range-finder. No. 1,261,236; Apr. 2; v. 249; p. 68.
Jackson, Lawrence S. (See Girvan, Charles S., assignor.)
Jackson, Leonard D., assignor of one-fourth to W. Campbell, Alexandria, Va. Anti-aircraft projectile. No. 1,274,419; Aug. 6; v. 253; p. 21.
Jackson, Lewis, Simpson, Kans. Agricultural implement. No. 1,261,397; Apr. 2; v. 249; p. 115.
Jackson, Louis L., assignor of one-half to O. C. Horney, New York, N. Y. Preparing alums from clay or other similar natural compounds of alumina. No. 1,254,229; Jan. 22; v. 246; p. 890.

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Jackson, Louis L., assignor of one-half to O. C. Horney, New York, N. Y. Decomposing silicates of magnesium. No. 1,254,230; Jan. 22; v. 246; p. 890.
Jackson, Louis L., assignor of one-half to O. C. Horney, New York, N. Y. Fertilizer composition. No. 1,289,789; Dec. 31; v. 257; p. 1004.
Jackson, Louis P., Schenectady, N. Y. Sound-reproducing machine. No. 1,277,594; Sept. 3; v. 254; p. 72.
Jackson, Maxey. (See Gronvold and Jackson.)
Jackson, Nellie C., Chicago, Ill. Collapsible receptacle. No. 1,286,009; Nov. 26; v. 256; p. 764.
Jackson, Nelson, Neepawa, Manitoba, Canada. Sheaf-loader. No. 1,273,065; July 16; v. 252; p. 708.
Jackson, Oscar, Danville, Ill. Propped ladder. No. 1,284,690; Nov. 12; v. 256; p. 353.
Jackson, Patrick T., Jr., Cambridge, assignor to Paper Products Machine Company, Boston, Mass. Reinforced paper fabric. No. 1,255,818; Feb. 5; v. 247; p. 203.
Jackson, Patrick T., Jr., Cambridge, assignor to Paper Products Machine Company, Boston, Mass. Reinforced paper strip for box-corners and other purposes. No. 1,278,935; Sept. 17; v. 254; p. 490.
Jackson, Philip A., Atlanta, Ga. Manifolding-register. No. 1,275,262; Aug. 13; v. 253; p. 284.
Jackson, Ralph G., Chester, assignor to The Congoleum Company, Philadelphia, Pa. Floor-covering. No. 1,255,095; Jan. 29; v. 246; p. 1169.
Jackson, Ralph G., Chester, assignor to The Congoleum Company, Philadelphia, Pa. Wrapping for floor-coverings. No. 1,272,047; July 9; v. 252; p. 397.
Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Wire-covering machine. No. 1,258,008; Mar. 5; v. 248; p. 17.
Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coil-wedge for dynamo-electric machines. No. 1,260,674; Mar. 26; v. 248; p. 891.
Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Static protective apparatus. No. 1,270,831; July 2; v. 252; p. 22.
Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Suspension device. No. 1,286,010; Nov. 26; v. 256; p. 765.
Jackson, Richard, Jr., Canton, Ohio. Shoulder-pad and the like. No. 1,270,031; June 18; v. 251; p. 596.
Jackson, Richard T., Easton, Pa. Sight for firearms. No. 1,260,545; Mar. 26; v. 248; p. 852.
Jackson, Robert R., South Kensington, London, England. Manually-operated inflating-pump. No. 1,254,231; Jan. 22; v. 246; p. 890.
Jackson, S. D. L., *et al.* (See Cook, Claude H., assignor.)
Jackson, Samuel B., Quincy, Ill. Feeding mechanism for metal strips. No. 1,283,522; Nov. 5; v. 256; p. 22.
Jackson, Samuel B., Atlantic, assignor to Boston Fastener Company, Boston, Mass. Fastener-attaching machine. No. 1,268,355; June 4; v. 251; p. 81.
Jackson, Simeon S., assignor to The Stafford Company, Readville, Boston, Mass. Weft-replenishing loom. No. 1,276,534; Aug. 20; v. 253; p. 669.
Jackson, Simeon S., assignor to The Stafford Company, Boston, Mass. Filling-feeler for looms. No. 1,284,691; Nov. 12; v. 256; p. 353.
Jackson, Thomas T. (See Farnworth and Jackson.)
Jackson, Wilber. (See Kennedy, Charles W., assignor.)
Jackson, William S. (See Hawley and Jackson.)
Jackson, Wm. J., *et al.* (See Cameron, Duncan, assignor.)
Jacob, Charles S., Elizabeth, N. J. Signaling device. No. 1,282,585; Oct. 22; v. 255; p. 772.
Jacob Harsh Company. (See Anderson, Martin E., assignor.)
Jacob, Thomas H., Wausau, Wis. Means for connecting and steering a series of self-propelled vehicles. No. 1,261,237; Apr. 2; v. 249; p. 68.
Jacob, Thomas H., Wausau, Wis. Candy-pulling hook. No. 1,261,238; Apr. 2; v. 249; p. 69.
Jacob, Thomas H., Wausau, Wis. Circulating device for automobile-cooling systems. No. 1,267,416; May 28; v. 250; p. 791.
Jacob, Thomas H., Wausau, Wis. Supplemental axle for automobiles. No. 1,278,669; Sept. 10; v. 254; p. 387.
Jacob, Thomas H., Wausau, Wis. Machine for working in engine-bearings. No. 1,281,382; Oct. 15; v. 255; p. 409.
Jacob, Thomas H., Wausau, Wis. Means for connecting the controlling and driving mechanisms of a series of automobiles. No. 1,288,600; Dec. 24; v. 257; p. 688.
Jacobs, Albert E., Philadelphia, Pa. Goggles. No. 1,286,645; Dec. 3; v. 257; p. 113.
Jacobs, Alonzo, Kansas City, Mo., assignor to Jacobs Gum Company. Vending-machine. No. 1,252,121; Jan. 1; v. 246; p. 199.
Jacobs, Arthur E., Cleveland, Ohio. Three-coin-register bank. No. 1,269,608; June 18; v. 251; p. 480.
Jacobs, Arthur I. (See Kinyon and Jacobs.)
Jacobs, Emanuel, Detroit, Mich. Razor-strop. No. 1,288,011; Dec. 17; v. 257; p. 518.
Jacobs, Ernest H., Schenectady, N. Y., assignor to General Electric Company. Relay. No. 1,259,406; Mar. 12; v. 248; p. 459.
Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Choke-coil mounting. No. 1,274,555; Aug. 6; v. 253; p. 61.
Jacobs, George, Detroit, Mich. Mixing device. No. 1,275,036; Aug. 6; v. 253; p. 197.
Jacobs, George S., *et al.* (See Snyder, Theodore J., assignor.)
Jacobs, George S., Pontiac, Mich., assignor to The Geneva Tractor Company, Geneva, Ohio. Attachment for automobiles. No. 1,265,086; May 7; v. 250; p. 60.
Jacobs Gum Company. (See Jacobs, Alonzo, assignor.)
Jacobs, Hannah and H., Brooklyn, N. Y. Hair drying and waving apparatus. No. 1,260,266; Mar. 19; v. 248; p. 736.
Jacobs, Hannah and H., Brooklyn, N. Y. Hair drying and waving apparatus. No. 1,260,267; Mar. 19; v. 248; p. 736.
Jacobs, Hannah and H., Brooklyn, N. Y. Hair drying and waving apparatus. No. 1,260,268; Mar. 19; v. 248; p. 737.
Jacobs, Hannah and H., New York, N. Y. Hair-waving apparatus. No. 1,268,848; June 11; v. 251; p. 239.
Jacobs, Harry. (See Jacobs, Hannah and H.)
Jacobs, Harry M., Schenectady, N. Y., assignor, by mesne assignments, to Union Switch and Signal Company. Slow-acting sectionalizing device. No. 1,272,446; July 16; v. 252; p. 534.
Jacobs, Harry M., Schenectady, N. Y., assignor, by mesne assignments, to Union Switch and Signal Company. System for the transmission and distribution of electrical energy. No. 1,272,447; July 16; v. 252; p. 535.
Jacobs, Henry W. (See Levy and Jacobs.)
Jacobs, Isidor M., Kansas City, and W. Cramer, assignors, by mesne assignments, to Truck, Tractor and Manufacturing Company, St. Louis, Mo. Mechanical movement and power-transformer. No. 1,273,613; July 23; v. 252; p. 882.
Jacobs, Isidor M., Kansas City, and W. Cramer, assignors, by mesne assignments, to Truck, Tractor and Manufacturing Company, St. Louis, Mo. Support for gasolene-tanks in motor-vehicles. No. 1,273,614; July 23; v. 252; p. 882.
Jacobs, Isidor M., Kansas City, and W. Cramer, assignors, by mesne assignments, to Truck, Tractor and Manufacturing Company, St. Louis, Mo. Adjustable brake-rigging for motor-vehicles. No. 1,273,615; July 23; v. 252; p. 882.
Jacobs, Isidor M., Kansas City, and W. Cramer, assignors, by mesne assignments, to Truck, Tractor and Manufacturing Company, St. Louis, Mo. Adjustable hood for motor-vehicles. No. 1,273,616; July 23; v. 252; p. 882.
Jacobs, Isidor M., Kansas City, and W. Cramer, assignors to Truck, Tractor and Manufacturing Company, St. Louis, Mo. Dashboard-anchor for motor-vehicles. No. 1,273,617; July 23; v. 252; p. 883.
Jacobs, Isidor M., Kansas City, and W. Cramer, St. Louis, Mo., assignors, by mesne assignments, to Truck, Tractor and Manufacturing Company, St. Louis, Mo. Support for brake-rigging in motor-vehicles. No. 1,275,932; Aug. 13; v. 253; p. 469.
Jacobs, John J., New York, N. Y. Elastic link. No. 1,280,744; Oct. 8; v. 255; p. 200.
Jacobs, John J., New York, N. Y. Coupling. No. 1,284,692; Nov. 12; v. 256; p. 353.
Jacobs, Joseph, New York, N. Y., assignor to The Live Leather Belt Company. Body-belt. No. 1,282,586; Oct. 22; v. 255; p. 772.
Jacobs, Joseph, New York, N. Y., assignor to The Live Leather Belt Company. Making an elastic body-belting web. No. 1,288,601; Dec. 24; v. 257; p. 688.
Jacobs, Joseph H., Denver, Colo. Assay-balance. No. 1,258,009; Mar. 5; v. 248; p. 18.
Jacobs, Joseph H., Denver, Colo. Precision-balance. No. 1,281,968; Oct. 15; v. 255; p. 564.
Jacobs, Joseph H., Denver, Colo. Means for locking stovepipes in chimney-holes. No. 1,281,969; Oct. 15; v. 255; p. 564.
Jacobs, Julian S., and J. Raymond, Jr., assignors to John T. Slack Corporation, Springfield, Vt. Device for feeding rags and the like. No. 1,258,222; Mar. 5; v. 248; p. 79.
Jacobs, Louis, Chicago, Ill. Sleeping-bag. No. 1,267,551; May 28; v. 250; p. 828.
Jacobs, Louis, San Francisco, Cal. Combined hanger and musical instrument. No. 1,286,595; Dec. 3; v. 257; p. 101.
Jacobs, Mathew J., Clear Water, Minn. Ditching-machine. No. 1,259,746; Mar. 19; v. 248; p. 587.
Jacobs, Morris, Middletown, N. Y. Lock-nut. No. 1,277,423; Sept. 3; v. 254; p. 26.
Jacobs, Paul S., Atlantic Mine, and G. W. Hogben, Houghton, Mich. Vehicle-wheel. No. 1,264,398; Apr. 30; v. 249; p. 1066.
Jacobs, Sydney G., Moseley, Birmingham, England. Construction of the bodies of motor road vehicles. No. 1,264,804; Apr. 30; v. 249; p. 1176.
Jacobs, Theodore, Moorefon, N. D. Sickle-grinder. No. 1,253,829; Jan. 15; v. 246; p. 757.
Jacobs, Thora B., Kenneth, Minn. Paper-hanger appliance. No. 1,289,181; Dec. 31; v. 257; p. 853.

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Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,119; Sept. 24; v. 254; p. 839.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,120; Sept. 24; v. 254; p. 840.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. feller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,121; Sept. 24; v. 254; p. 840.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,122; Sept. 24; v. 254; p. 840.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,123; Sept. 24; v. 254; p. 840.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,124; Sept. 24; v. 254; p. 840.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,125; Sept. 24; v. 254; p. 840.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,126; Sept. 24; v. 254; p. 840.
Jacobs, Walter A., Mount Vernon, W. H. Brown, M. Heidelberger, and L. Pearce, assignors to The Rockefeller Institute for Medical Research, New York, N. Y. Arsenical compound. No. 1,280,127; Sept. 24; v. 254; p. 841.
Jacobs, William F., Ottawa Lake, Mich. Work-supporting horse. No. 1,256,235; Feb. 12; v. 247; p. 369.
Jacobs, William H., Augusta, Kans. Automatic oil-saver. No. 1,281,576; Oct. 15; v. 255; p. 459.
Jacobsen, Ernest, Melbourne, Victoria, Australia. File for correspondence, &c. No. 1,273,862; July 30; v. 252; p. 986.
Jacobsen, Jacob, assignor of one-third to W. Samuels and one-third to B. W. Henning, San Francisco, Cal. Rotary pump. No. 1,270,522; June 25; v. 251; p. 756.
Jacobsen, Jacob, assignor of one-fourth to W. Samuels, one-fourth to F. S. Myers, and one-fourth to J. P. McDonnell, San Francisco, Cal. Vacuum feeding device. No. 1,289,790; Dec. 31; v. 257; p. 1004.
Jacobsen, Jens H. H., Herloev, Denmark. Manufacturing radio-active mineral-water salts. No. 1,253,830; Jan. 15; v. 246; p. 758.
Jacobsen, Kai A. (See Moskoris and Jacobsen.)
Jacobsen, L. A. (See Royal and Thomas, assignors.)
Jacobsen, Lew. (See Troy and Jacobsen.)
Jacobsen, Oystein (See Doble and Jacobsen.)
Jacobsen, Richard S., assignor to Jacobsen & Schraeder, Incorporated, Chicago, Ill. Means for operating reciprocating conveyers or screens. No. 1,289,791; Dec. 31; v. 257; p. 1004.
Jacobsen & Schraeder. (See Jacobsen, Richard S., assignor.)
Jacobson, Allan F., New York, N. Y. Device for controlling the speed of trains. No. 1,288,602; Dec. 24; v. 257; p. 688.
Jacobson, Arthur G., and A. J. Brown, Chicago, Ill. Permutation-padlock. No. 1,274,051; July 30; v. 252; p. 1039.
Jacobson, August, Albina, assignor of one-third to H. V. Nurmi, Virginia, Minn. Airship-propeller. No. 1,274,886; Aug. 6; v. 253; p. 155.
Jacobson, Carl I., and A. L. Fowler, Los Angeles, Cal. Pressure connection and gage. No. 1,268,467; June 4; v. 251; p. 114.
Jacobson, Chas., *et al.* (See McDade, Alfred F., assignor.)
Jacobson, Edward B., Pittsfield, assignor to Hendee Manufacturing Company, Springfield, Mass. Regulator for electrical charging systems. No. 1,260,675; Mar. 26; v. 248; p. 891.
Jacobson, Edward B., Pittsfield, assignor to Hendee Manufacturing Company, Springfield, Mass. Generating system and generator therefor. No. 1,261,239; Apr. 2; v. 249; p. 69.
Jacobson, Edward B., assignor to Hendee Manufacturing Company, Springfield, Mass. Magneto-generator. No. 1,262,198; Apr. 9; v. 249; p. 371.
Jacobson, Edward B., Pittsfield, assignor to Hendee Manufacturing Company, Springfield, Mass. Induction-coil. No. 1,268,468; June 4; v. 251; p. 114.
Jacobson, Harry. (See English and Flock, assignors.)
Jacobucci, Raphael, assignor of one-half to H. Polisner, Fall River, Mass. Card-printing press. No. 1,279,701; Sept. 24; v. 254; p. 722.
Jacobus, David S., Jersey City, assignor to Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,252,444; Jan. 8; v. 246; p. 323.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler economizer and method of operating the same. No. 1,255,170; Feb. 5; v. 247; p. 16.
Jacobus, David S., Jersey City, assignor to The Babcock and Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,267,078; May 21; v. 250; p. 670.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,272,667; July 16; v. 252; p. 597.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace-wall structure. No. 1,275,037; Aug. 6; v. 253; p. 197.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,280,745; Oct. 8; v. 255; p. 200.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method of and apparatus for operating steam-boiler economizers. No. 1,281,016; Oct. 8; v. 255; p. 274.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Setting and operating safety-valves. No. 1,281,017; Oct. 8; v. 255; p. 274.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler economizer plant. No. 1,289,182; Dec. 31; v. 257; p. 853.
Jacobus, David S., Jersey City, N. J., and H. C. Heaton, Chicago, Ill., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Operating steam-boiler economizers. No. 1,285,201; Nov. 19; v. 256; p. 522.
Jacoby, Benjamin. (See King, Johnson, and Jacoby.)
Jacoby, Benjamin. (See King, Jacoby, and Roush.)
Jacoby, Benjamin. (See King, Jacoby, Roush, and Holmes.)
Jacoby, Charles N. (See Richardson and Jacoby.)
Jacoby, Frederick, North Bergen, N. J. Boat-releasing device. No. 1,264,805; Apr. 30; v. 249; p. 1176.
Jacoby, Leo D., assignor to Sanispoon Company, Boston, Mass. Machine for cutting and forming spoons from sheet material. No. 1,258,414; Mar. 5; v. 248; p. 136.
Jacoby, Richard, Berlin, Germany, assignor to General Electric Company. Leading-in conductor. No. 1,265,665; May 7; v. 250; p. 214.
Jacoby, William, assignor to Automatic Tool Supply Company, Sioux Falls, S. D. Magazine tack-hammer. No. 1,262,803; Apr. 16; v. 249; p. 570.
Jacqmain, Octave. (See Waterloo and Jacqmain.)
Jacquelin, Emile, *et al.* (See Chassaing, Eugène, assignor.)
Jacques, George W., Bridgeport, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. No. 1,261,544; Apr. 2; v. 249; p. 157.
Jacucis, Janas, East Chicago, Ind. Heater. No. 1,278,670; Sept. 10; v. 254; p. 387.
Jaeckel, Charles, Warmsprings, Mont. Shoe-vise. No. 1,276,068; Aug. 20; v. 253; p. 539.
Jaeger, Arthur. (See Foerster, Oscar, assignor.)
Jaeger, Charles. (See Berko, Emile, assignor.)
Jaeger, Christian, M. J. Roth, and C. H. Boeker, New York, N. Y. Imitation article. No. 1,276,658; Aug. 20; v. 253; p. 703.
Jaeger, Friedeman R., Oak Park, Ill. Mechanical movement. No. 1,252,698; Jan. 8; v. 246; p. 397.
Jaeger, Gebhard, Columbus, Ohio. Loader for concrete-mixers. No. 1,262,052; Apr. 9; v. 249; p. 329.
Jaeger, Herman J., Weehawken, N. J. Metallic-filament lamp filled with nitrogen. No. 1,256,568; Feb. 19; v. 247; p. 501.
Jaeger, Herman J., Weehawken, N. J. Metallic-filament lamp and making it. No. 1,265,204; May 7; v. 250; p. 93.
Jaeger, Herman J., Weehawken, assignor to H. J. Jaeger Company, Hoboken, N. J. Incandescent lamp with concentrated metallic filament. No. 1,256,567; Feb. 19; v. 247; p. 501.
Jaeger, Herman J., assignor to H. J. Jaeger Company, Weehawken, N. J. Metallic-filament lamp. No. 1,286,596; Dec. 3; v. 257; p. 101.
Jaeger, Jonathan K., Fenwood, Saskatchewan, Canada. Engine. No. 1,271,471; July 2; v. 252; p. 200.
Jaeger, Otto, Elkins Park, Pa., assignor to H. S. Kelsey, Boston, Mass. Coin-controlled mechanism. No. 1,257,869; Feb. 26; v. 247; p. 918.
Jaeger, Otto, Elkins Park, Pa., assignor to H. S. Kelsey, Boston, Mass. Coin-receiving device. No. 1,257,870; Feb. 26; v. 247; p. 919.
Jaeger, Otto, Elkins Park, Pa., assignor to H. S. Kelsey, Boston, Mass. Dispensing device. No. 1,268,249; June 4; v. 251; p. 50.
Jaeger, Otto, Elkins Park, Pa., assignor to H. S. Kelsey, Boston, Mass. Disk-dispensing device. No. 1,268,250; June 4; v. 251; p. 51.
Jaeger, William H., Trenton, N. J. Piston-ring for internal-combustion engines. No. 1,263,897; Apr. 23; v. 249; p. 894.
Jaeger, William H., Trenton, N. J. Hedge-trimmer. No. 1,285,203; Nov. 19; v. 256; p. 523.

Jaenecke, Wilhelm F., assignor to Allan Herschell Company, Inc., North Tonawanda, N. Y. Hanger for carousels or merry-go-rounds and the like. No. 1,259,992; Mar. 19; v. 248; p. 661.
Jaffe, Edward I., New York, N. Y. Releasable self-fastening button. No. 1,277,595; Sept. 3; v. 254; p. 72.
Jafferian, Kinias M., New York, N. Y. Doll. No. 1,287,328; Dec. 10; v. 257; p. 317.
Jagemann, Frederick J., and J. F. Bazata, New York, N. Y. Combined necktie-former and stick-pin lock. No. 1,254,504; Jan. 22; v. 246; p. 969.
Jagenberg, Emil, Dusseldorf, Germany. Machine for packing cigarettes. No. 1,258,775; Mar. 12; v. 248; p. 279.
Jagenburg, Robert W., New York, N. Y., assignor to Asbestos Slate Roofing Manufacturing Company. Machine for making artificial-stone shingles, &c. No. 1,281,577; Oct. 15; v. 255; p. 459.
Jagerspacher, Carl. (See Engi and Jagerspacher.)
Jagielo, Antoni, Cleveland, Ohio. Wire-cutting scissors. No. 1,284,351; Nov. 12; v. 256; p. 269.
Jagielo, Antoni, Cleveland, Ohio. Steering device for automobiles. No. 1,284,693; Nov. 12; v. 256; p. 353.
Jagielski, Barney, St. Cloud, Minn. Pipe-wrench. No. 1,264,077; Apr. 23; v. 249; p. 943.
Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nürnberg, Germany. Gas-reservoir. No. 1,275,696; Aug. 13; v. 253; p. 403.
Jahn, Berthold, New Britain, Conn., assignor to Public Service Cup Company, Brooklyn, N. Y. Dispensing device. No. 1,272,668; July 16; v. 252; p. 598.
Jahn, Carl R., Schlebusch, near Cologne, assignor to Sprengstoff A.-G. Carbonit, Hamburg, Germany. Explosive substance. No. 1,253,691; Jan. 15; v. 246; p. 718.
Jahn & Ollier Engraving Company. (See Jones, Burgoyne, assignor.)
Jahna, Emil R., Macon, Ga., assignor to J. H. Woolling, Indianapolis, Ind. Concrete-roofing-tile machine or mold. No. 1,269,818; June 18; v. 251; p. 540.
Jahnke, Charles B. (See Hobart and Jahnke.)
Jahren, Helmer N., Gull Lake, Saskatchewan, Canada. Speed-governor. No. 1,264,806; Apr. 30; v. 249; p. 1177.
Jakab, Mike, assignor of one-fourth to A. Gorej and one-fourth to J. Juhasz, Woodland, Me. Milk-receptacle. No. 1,267,552; May 28; v. 250; p. 828.
Jakobson, Max, New York, N. Y. Bomb-shield for ships, buildings, and other structures. No. 1,271,472; July 2; v. 252; p. 200.
Jakobsson, Herman, Philadelphia, Pa. Limber. No. 1,251,890; Jan. 1; v. 246; p. 134.
Jakopets, Gyuro E. B., Chicago, Ill. Permutation-padlock. No. 1,259,519; Mar. 19; v. 248; p. 523.
Jaksch, John B., Milwaukee, Wis. Fire-escape. No. 1,251,780; Jan. 1; v. 246; p. 101.
Jakubec, Louis, Salem, Oreg. Can-opener. No. 1,280,746; Oct. 8; v. 255; p. 201.
Jakubik, Jan, Windber, Pa. Ship-protector. No. 1,266,020; May 14; v. 250; p. 346.
Jam Perfecto Bottle Cap Co. (See Januchowsky and Gutmann, assignors.)
Jambor, John E., Milwaukee, Wis. Lamp-tray. No. 1,261,937; Apr. 9; v. 249; p. 298.
James, Andrew, Stamford, Conn. Portable desk. No. 1,269,452; June 11; v. 251; p. 405.
James, Charles C., *et al.* (See Graf, Emil, assignor.)
James, Charley, Corydon, Iowa. Barrel-stand. No. 1,253,493; Jan. 15; v. 246; p. 660.
James, E. G., *et al.* (See Waite, Charles A., assignor.)
James, Edward. (See Cummins, Charles F., assignor.)
James Elliott L., Lowndesboro, Ala. Street-car-door-locking device. No. 1,264,187; Apr. 30; v. 249; p. 1006
James F. Molloy Co., The. (See Molloy, Leon M., assignor.)
James, Frances L., Wausaukee, Wis. Combined corset-cover and brassière. No. 1,254,043; Jan. 22; v. 246; p. 837.
James, George A., San Francisco, Cal. Thermostatic device. No. 1,253,041; Jan. 8; v. 246; p. 499.
James H. Boye Manufacturing Company. (See Boye, James H., assignor.)
James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupter. No. 1,258,010; Mar. 5; v. 248; p. 18.
James, Henry V., Radlett, England. Paper-web-control device for reel-fed rotary printing-machines. No. 1,263,419; Apr. 23; v. 249; p. 763.
James, Henry V., Radlett, England. Paper-web-control device for reel-fed rotary printing-machines. No. 1,286,331; Dec. 3; v. 257; p. 36.
James Howden & Company. (See Hume, James H., assignor.)
James, Iver, Oakland, Cal. Bridge-timber conveyer. No. 1,262,586; Apr. 9; v. 249; p. 479.
James, John, Fort Atkinson, Wis. Stall equipment. No. 1,253,494; Jan. 15; v. 246; p. 661.
James, Joseph C., Antioch, Ill. Display-stand. No. 1,279,702; Sept. 24; v. 254; p. 722.
James Lees and Sons Company. (See Halford, John H., assignor.)
James Manufacturing Company. (See Kammer, Edgar W., assignor.)
James Manufacturing Company. (See Olson, John, assignor.)
James Manufacturing Company. (See Olson, John B., assignor.)
James Manufacturing Company. (See Shodron, John G., assignor.)
James N. Mayhew Company. (See Mayhew, James N., assignor.)
James, Perry C., Macomb, assignor to G. G. Bayne, Bushnell, Ill. Latch. No. 1,251,781; Jan. 1; v. 246; p. 102.
James R. Kendrick Company. (See Kendrick, Arthur B., assignor.)
James, Robert J., Seattle, Wash. Spectacles. No. 1,275,933; Aug. 13; v. 253; p. 469.
James, Rutherford B., Ellsworth, Ill. Animal-trap. No. 1,258,011; Mar. 5; v. 248; p. 18.
James, William, Birkenhead, England. Carbureter. No. 1,283,784; Nov. 5; v. 256; p. 90.
James, William A., Bishopville, S. C. Coupling. No. 1,253,831; Jan. 15; v. 246; p. 758.
James, William A., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Surface-indicator. No. 1,279,703; Sept. 24; v. 254; p. 722.
James, William E. (See Rains, Robert S., assignor.)
James, William E., Scotts Mills, Oreg. Saw guide and support. No. 1,283,785; Nov. 5; v. 256; p. 90.
Jameson, Clarence W. (See Thompson and Jameson.)
Jameson, John B. (See Hughes, Tyre C., assignor.)
Jameson, William, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for testing rubber. No. 1,282,085; Oct. 22; v. 255; p. 636.
Jameson, William A., Niagara Falls, N. Y., assignor to Wm. A. Rogers, Limited, Toronto, Ontario, Canada. Mirror and casing therefor. No. 1,264,938; May 7; v. 250; p. 18.
Jamestown Car Parts Manufacturing Company. (See Anderson, Clyde M., assignor.)
Jamieson, Frank T., Cleveland, Ohio. Waterproof burial-case. No. 1,277,596; Sept. 3; v. 254; p. 72.
Jaminet, Auguste, San Francisco, and H. Gregoire, Burlingame, Cal. Molding-machine. No. 1,258,338; Mar. 5; v. 248; p. 113.
Jander, Henry, Brooklyn, N. Y. Portable truck for feeding trays to ovens. No. 1,272,048; July 9; v. 252; p. 397.
Jandos, Pauline, Chicago, Ill. Medical instrument. No. 1,273,066; July 16; v. 252; p. 709.
Jandron, Alphonse, Marquette, Mich. Automobile-signal. No. 1,273,230; July 23; v. 252; p. 779.
Jandron, Wilfred J., St. Paul, Minn. Dispensing-cabinet. No. 1,289,792; Dec. 31; v. 257; p. 1005.
Jandus Arc Lamp & Electric Company, The. (See Denman-Jones, Adrian, assignors.)
Janes, Ralph R., Brooklyn, N. Y., assignor to Standard Knitting Mills Company. Making knitted undergarments. No. 1,284,899; Nov. 12; v. 256; p. 407.
Janesville Barb Wire Co. (See Henning, John F., assignor.)
Janesville Machine Company, The. (See Krotz, Alvaro S., assignor.)
Janesville Products Company. (See Benson, Andrew, assignor.)
Janette, John T., Chicago, Ill. Centrifugal switch. No. 1,278,936; Sept. 17; v. 254; p. 490.
Janisch, Maximillian P., Milwaukee, Wis., assignor to D. W. Jones, Waupun, Wis. Vulcanizer. No. 1,280,230; Oct. 1; v. 255; p. 32.
Janisch, Maximillian P., assignor, by mesne assignments, to Wisconsin Paper Products Company, Milwaukee, Wis. Paper-bottle-bottom-spinning machine. No. 1,283,786; Nov. 5; v. 256; p. 90.
Janiszewski, Waclaw, assignor of one-half to J. Romanowski, Cudahy, Wis. Boiler. No. 1,255,014; Jan. 29; v. 246; p. 1147.
Jann, John H., Chicago, Ill. Turret-feed control. No. 1,254,232; Jan. 22; v. 246; p. 891.
Jann, Louis C., Buffalo, N. Y. Water-trap. No. 1,261,129; Apr. 2; v. 249; p. 39.
Janney, Frank G., Jr. (See Mitchell and Janney.)
Janney, Millard F., and J. B. Hackley, Purcellville, Va. Railway-tie. No. 1,256,236; Feb. 12; v. 247; p. 369.
Janney, Reynolds, New York, N. Y., assignor to The Waterbury Tool Company. Driving mechanism. No. 1,254,695; Jan. 29; v. 246; p. 1053.
Janney, Reynolds, New York, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Hydraulic pump. No. 1,287,026; Dec. 10; v. 257; p. 241.
Janney, Thomas A., Garfield, and C. M. Nokes, Salt Lake City, Utah. Concentrating ores. No. 1,281,018; Oct. 8; v. 255; p. 275.
Janney, William H., Hurley, N. Mex. Mill for grinding ores and other materials. No. 1,261,398; Apr. 2; v. 249; p. 116.
Janousek, Joseph E. (See Krum and Janousek.)
Janovsky, Arnost, assignor to Interstate Electric Novelty Company, Brooklyn, N. Y. Pocket flash-light. No. 1,263,674; Apr. 23; v. 249; p. 833.
Janovsky, Arnost, assignor to Interstate Electric Novelty Company, Brooklyn, N. Y. Trench flash-light. No. 1,272,808; July 16; v. 252; p. 638.

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Janse, Leendert, Apeldoorn, Netherlands. Side bearing for railway-vehicles. No. 1,257,358; Feb. 26; v. 247; p. 767.
Jansen, Edward W., assignor to Atlantic Welding Company, New York, N. Y. Welded rail-joint. No. 1,259,407; Mar. 12; v. 248; p. 460.
Jansen, Edward W., New York, N. Y., and J. Wattmann, Treptow, near Berlin, Germany, assignors to Atlantic Welding Corporation, New York, N. Y. Rail-joint. No. 1,266,597; May 21; v. 250; p. 535.
Jansen, Erik J., Bellaire, Ohio. Mirroscope. No. 1,258,339; Mar. 5; v. 248; p. 113.
Jansen, Ernest D. (See Farmer and Jansen.)
Jansen, Herman, Schiedam, Netherlands. Stationery. No. 1,275,934; Aug. 13; v. 253; p. 469.
Jansky, Frank W. (See Farney and Jansky.)
Janson, John, Lawrence, Mass. Drier for coated paper. No. 1,287,027; Dec. 10; v. 257; p. 241.
Janson, John G. (See Staaff and Janson.)
Janson, Theodore E., Cortland, N. Y. Gearing device. No. 1,253,979; Jan. 15; v. 246; p. 798.
Janssen, Niels B., Kansas City, Mo. Conveying and cleaning table. No. 1,253,495; Jan. 15; v. 246; p. 661.
Jantz, Carrie L., Wyoming, Ohio. Clothes wringer and mangle. No. 1,260,904; Mar. 26; v. 248; p. 954.
Jantz, Gustave H., Wyoming, Ohio. Clothes wringer, mangle, or other roller-machine. No. 1,260,905; Mar. 26; v. 248; p. 954.
Jantzen, Fritz W., Fergus Falls, Minn. Sled-runner for wheeled vehicles. No. 1,286,330; Dec. 3; v. 257; p. 36.
Januchowsky, John, St. Louis, Mo. Bottle-cap. No. 1,257,710; Feb. 26; v. 247; p. 872.
Januchowsky, John, and H. Albert, St. Louis, Mo. Mechanism for applying bottle-caps. No. 1,257,709; Feb. 26; v. 247; p. 872.
Januchowsky, John, St. Louis, Mo., and F. Gutmann, Brooklyn, assignors to Jam Perfecto Bottle Cap Co., New York, N. Y. Packaging food and products. No. 1,281,578; Oct. 15; v. 255; p. 460.
Japhet, Charles A., Seneca, Kans. Oil-burner. No. 1,262,502; Apr. 9; v. 249; p. 455.
Japs, Bernard W. (See Fox, William H., assignor.)
Jaques, Fernando O., Sr., Providence, assignor to The Central Tool Company, Auburn, R. I. Micrometer-caliper thimble. No. 1,252,009; Jan. 1; v. 246; p. 167.
Jaques, John, and T. Hurley, Detroit, Mich. Pipe-hanger insert. No. 1,285,202; Nov. 19; v. 256; p. 522.
Jaquette, Frank D., Pasadena, Cal. Dining-table. No. 1,257,871; Feb. 26; v. 247; p. 919.
Jarecki, Frank J., Grand Rapids, Mich. Tube-forming machine. No. 1,288,603; Dec. 24; v. 257; p. 689.
Jarmin, James B., Spokane, Wash., assignor of one-half to J. S. Beall, Portland, Oreg. Telephone attachment. No. 1,260,979; Mar. 26; v. 248; p. 974.
Jarmuth, Adolph J., Seattle, Wash., assignor to E. S. Bennett, New York, N. Y. Gold-saving apparatus. No. 1,271,714; July 9; v. 252; p. 302.
Jarnowski, Pete, Lorain, Ohio. Railway-tie. No. 1,286,011; Nov. 26; v. 256; p. 765.
Jarrett, Jordan, assignor of one-half to J. E. Graves, Ripley, Tenn. Rake. No. 1,260,906; Mar. 26; v. 248; p. 954.
Jartti, Mieli R., Glencoe, Wyo. Sled attachment for automobiles. No. 1,267,871; May 28; v. 250; p. 919.
Jarusz, Leon, Milwaukee, Wis. Floor-cleaner. No. 1,252,806; Jan. 8; v. 246; p. 427.
Jarvik, Jacob, New York, N. Y. Lambrequin. No. 1,272,959; July 16; v. 252; p. 680.
Järviö, William, West Quincy, Mass. Automatic chalk-line holder. No. 1,272,270; July 9; v. 252; p. 459.
Jarvis, Edward A. (See Xiques and Jarvis.)
Jarvis, Frank, Kings Park, N. Y. Emergency-tire. No. 1,265,666; May 7; v. 250; p. 215.
Jarvis, Frank, Oakes, N. D. Lumber-guide. No. 1,281,383; Oct. 15; v. 255; p. 409.
Jarvis, Harold, Toronto, Ontario, Canada. Thermostatic controller for gas water-heaters. No. 1,286,012; Nov. 26; v. 256; p. 765.
Jarvis, Lena E., San Francisco, Cal. Mounting for oil-burners. No. 1,280,747; Oct. 8; v. 255; p. 207.
Jasinski, Peter, Watertown, N. Y. Combination-garment No. 1,284,352; Nov. 12; v. 256; p. 269.
Jasper, Joseph H., Detroit, Mich. Bolt-lock. No. 1,261,130; Apr. 2; v. 249; p. 40.
Jasper, Ossed W., assignor of one-sixth to W. M. Jones and one-sixth to M. A. Karshner, Columbus, Ohio. Submarine signal and escape-buoy. No. 1,283,523; Nov. 5; v. 256; p. 23.
Jaubert, George F., Paris, France. Electrolytic apparatus. No. 1,255,096; Jan. 29; v. 246; p. 1169.
Jauréguy, Edward, Tela, Honduras. Folding canopy. No. 1,264,078; Apr. 23; v. 249; p. 943.
Jawors, Stanley. (See Grzesinski and Jawors.)
Jay, Edward G., Jr., Philadelphia, Pa., assignor to Warren
Jay, Edward G., Jr., Philadelphia, Pa., assignor to Warren Webster & Company. Method of setting meters and means therefor. No. 1,271,901; July 9; v. 252; p. 353.
Jay, Edward G., Jr., Philadelphia, Pa., assignor to Warren Webster and Company. Chart-drum for recording apparatus. No. 1,272,960; July 16; v. 252; p. 680.
Jay, Harry B., Chicago, Ill. Drum-snare. No. 1,265,917; May 14; v. 250; p. 318.
Jay, Webb, Chicago, Ill. Liquid-supply gage. No. 1,251,668; Jan. 1; v. 246; p. 68.
Jay, Webb, Chicago, Ill. Vacuum liquid-feed device for internal-combustion engines. No. 1,264,939; May 7; v. 250; p. 18.
Jay, Webb, Chicago, Ill. Vacuum feed device for elevating liquid. No. 1,268,780; June 4; v. 251; p. 201.
Jay, Webb, Chicago, Ill. Sight-feed and dirt-screen for vacuum feed devices. No. 1,270,162; June 18; v. 251; p. 631.
Jay, Webb, Chicago, Ill. Vacuum fuel-feed system. No. 1,278,115; Sept. 17; v. 254; p. 536.
Jay, Webb, Chicago, Ill. Vacuum fuel-feed system. No. 1,279,116; Sept. 17; v. 254; p. 536.
Jay, Webb, Chicago, Ill. Vacuum fuel-feed device for aerial-vessel engines. No. 1,283,524; Nov. 5; v. 256; p. 23.
Jay, Webb, Chicago, Ill. Vacuum fuel-feed device. No. 1,288,420; Dec. 17; v. 257; p. 615.
Jaycox, Thomas W., Denver, Colo. Collapsible dam. No. 1,257,240; Feb. 19; v. 247; p. 698.
Jeaffreson, Horace C., London, England. Locking device for bags and the like. No. 1,262,053; Apr. 9; v. 249; p. 329.
Jean, Charles W., New York, N. Y. Copying-machine. No. 1,281,780; Oct. 15; v. 255; p. 514.
Jean, Charles W., New York, N. Y. Producing press-copies. No. 1,281,781; Oct. 15; v. 255; p. 514.
Jean, Charles W., New York, N. Y. Copying-machine. No. 1,281,782; Oct. 15; v. 255; p. 514.
Jean, William T. (See Anderson, Newton M., assignor.)
Jeanmaire, Louise, Rockford, Ill. Indelible ink. No. 1,289,793; Dec. 31; v. 257; p. 1005.
Jeannetaud, Joseph, Dubuque, Iowa. Electric clothes-presser. No. 1,271,577; July 9; v. 252; p. 264.
Jeannin, Harry W., Warren, Ohio. Electric motor. No. 1,286,013; Nov. 26; v. 256; p. 765.
Jeavons, William R., Cleveland, Ohio. Apparatus for cooking. No. 1,271,168; July 2; v. 252; p. 117.
Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Oil-burner. No. 1,258,415; Mar. 5; v. 248; p. 136.
Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Oil-stove. No. 1,258,416; Mar. 5; v. 248; p. 137.
Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Oil-stove. No. 1,259,628; Mar. 19; v. 248; p. 553.
Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Oil-stove. (Reissue.) No. 14,477; May 28; v. 250; p. 975.
Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Oil-stove. No. 1,271,169; July 2; v. 252; p. 117.
Jecklin, Conradin, Lowell, Wis. Orchard-ladder. No. 1,259,239; Mar. 12; v. 248; p. 410.
Jedel, Aaron, New York, N. Y. Combined rack-filling and carton-loading machine. No. 1,258,012; Mar. 5; v. 248; p. 18.
Jedel, Aaron, New York, N. Y. Pyrotechnic article and making same. No. 1,265,205; May 7; v. 250; p. 93.
Jefferies, Ebenezer A. W., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,255,015; Jan. 29; v. 246; p. 1147.
Jefferies, Ebenezer A., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,284,694; Nov. 12; v. 256; p. 354.
Jefferies, Ebenezer A. W., Worcester, Mass., assignor to Jefferies-Norton Corporation. Refrigeration. No. 1,264,807; Apr. 30; v. 249; p. 1177.
Jefferies, Ebenezer A. W., assignor to Jefferies-Norton Corporation, Worcester, Mass. Engine for low-temperature expansion. No. 1,264,871; Apr. 30; v. 249; p. 1195.
Jefferies, Fredrick L., Riverside, Ill., assignor to Corn Products Refining Company. Centrifugal separator. No. 1,256,697; Feb. 19; v. 247; p. 539.
Jefferies, Frederick L., and W. Spain, Riverside, Ill., assignors to Corn Products Refining Company. Apparatus for drying bottles. No. 1,272,346; July 9; v. 252; p. 481.
Jefferies-Norton Corporation. (See Jefferies, Ebenezer A. W., assignor.)
Jefferies-Norton Corporation. (See Norton, Fred E., assignor.)
Jefferies, Samuel L., Gaffney, S. C. Dental mixing-slab. No. 1,278,153; Sept. 10; v. 254; p. 248.
Jeffers, Clarence E., assignor to H. Marmon, Indianapolis, Ind. Clutch. No. 1,285,718; Nov. 26; v. 256; p. 691.
Jeffers, Jesse, assignor to The Whitin Machine Works, Whitinsville, Mass. Quiller. No. 1,272,669; July 16; v. 252; p. 598.
Jefferson, Carl S., *et al.*, executors. (See Pearson, Walter B.)
Jefferson, Eugene D., Boston, Mass. Vomiting-keir. No. 1,278,154; Sept. 10; v. 254; p. 248.
Jefferson, Eugene D., Boston, Mass. Boiling-machine. No. 1,278,155; Sept. 10; v. 254; p. 249.
Jefferson, Harry H. K. (See Peebles and Jefferson.)
Jeffery, Burton, Fairbank, Ontario, Canada. Artificial hand-grip. No. 1,263,675; Apr. 23; v. 249; p. 833.
Jeffery, Joseph A., Detroit, Mich. Spark-plug. No. 1,259,240; Mar. 12; v. 248; p. 410.
Jeffrey, George, Irvine, Cal. Furrow-filler and cultivator. No. 1,254,600; Jan. 22; v. 246; p. 997.

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Jeffrey Manufacturing Company, The. (See Berkey, Harvey C., assignor.)
Jeffrey Manufacturing Company, The. (See Coseo, Frederick C., assignor.)
Jeffrey Manufacturing Company, The. (See Dunlop, Robert R., assignor.)
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jeffrey Manufacturing Company, The. (See Liggett, William K., assignor.)
Jeffrey Manufacturing Company, The. (See Waxborn, Carl J. E., assignor.)
Jeffries, Isaac B., Llanelly, Wales. Air-tube for pneumatic tires. No. 1,285,719; Nov. 26; v. 256; p. 692.
Jeffries, William O., Boston, assignor of one-half to A. F. Viano, Somerville, Mass. Tire. No. 1,269,938; June 18; v. 251; p. 572.
Jeffs, Lewis A., Salt Lake City, Utah. Making alloys of phosphorus. No. 1,268,849; June 11; v. 251; p. 239.
Jelalian, Martin, Cranston, R. I. Hydrotriplane for army purposes. No. 1,263,676; Apr. 23; v. 249; p. 834.
Jelalian, Martin, Cranston, R. I. Device for walking upon the surface of the water. No. 1,264,523; Apr. 30; v. 249; p. 1100.
Jelenc, John, Port Washington, assignor of one-half to M. Jelenc, Milwaukee, Wis. Collapsible cabinet. No. 1,276,072; Aug. 20; v. 253; p. 540.
Jelenc, Martin. (See Jelenc, John, assignor.)
Jelinek, John, Plainville, Kans. Mower. No. 1,264,079; Apr. 23; v. 249; p. 944.
Jelliffe, Alfred, Minneapolis, Minn. Device for displaying dress goods. No. 1,264,653; Apr. 30; v. 249; p. 1137.
Jellinek, Charles, and D. Stern, New York, N. Y. Chair. No. 1,271,170; July 2; v. 252; p. 118.
Jellum, Martin, Clay Center, Kans. Music-leaf turner. No. 1,255,612; Feb. 5; v. 247; p. 145.
Jencick, Stephen, assignor to G. A. Schanze, Minneapolis, Minn. Coupling device. No. 1,263,252; Apr. 16; v. 249; p. 696.
Jencick, Stephen, Cleveland, Ohio., assignor to G. A. Schanze. Flexible shaft and universal coupling therefor. No. 1,283,787; Nov. 5; v. 256; p. 91.
Jenckes Knitting Machine Company. (See Beavers, Robert S., assignor.)
Jenckes Knitting Machine Company. (See Miller, Max C., assignor.)
Jendro, Martin, Casselton, N. D. Tug-buckle. No. 1,284,695; Nov. 12; v. 256; p. 354.
Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Cutting and welding torch. No. 1,274,052; July 30; v. 252; p. 1040.
Jenkins, Alexander F., Baltimore, Md. Cutting and welding torch. No. 1,274,053; July 30; v. 252; p. 1040.
Jenkins, Asa M. (See Lafferty, Robert C., assignor.)
Jenkins, Charles D., assignor to Peat Coal Limited, Boston, Mass. Machine for extracting liquids from various materials. No. 1,265,206; May 7; v. 250; p. 93.
Jenkins, Charles F., assignor to The Graphoscope Company, Washington, D. C. Lens-holder. No. 1,258,621; Mar. 5; v. 248; p. 197.
Jenkins, Charles F., assignor to The Graphoscope Company, Washington, D. C. Motion-picture machine. No. 1,281,970; Oct. 15; v. 255; p. 564.
Jenkins, Charles W., Ellerson, assignor of one-half to L. B. Hancock, Richmond, Va. Instrument-supporting device. No. 1,276,073; Aug. 20; v. 253; p. 541.
Jenkins, Elder D., Newfane, N. Y. Brake. No. 1,283,788; Nov. 5; v. 256; p. 91.
Jenkins, Elmer E., Minneapolis, Minn. Table having folding-seat attachment. No. 1,288,604; Dec. 24; v. 257; p. 689.
Jenkins, George F., La Grange, Ill. Door opening and closing mechanism. No. 1,254,696; Jan. 29; v. 246; p. 1053.
Jenkins, George W., St. Louis, Mo. Agricultural implement. No. 1,273,496; July 23; v. 252; p. 850.
Jenkins, Harry L., Vancouver, British Columbia, Canada, assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Truck. No. 1,258,776; Mar. 12; v. 248; p. 279.
Jenkins, Henry A., Fayetteville, N. C. Fin for vessels. No. 1,271,036; July 2; v. 252; p. 81.
Jenkins, Howard L. (See Dorey and Jenkins.)
Jenkins, John S., Lima, Ohio. Glass cover and receptacle. No. 1,260,546; Mar. 26; v. 248; p. 852.
Jenkins, John T. (See Briggs and Jenkins.)
Jenkins, Leonard E., Bayfield, Colo. Measuring device for gasolene-pumps. No. 1,286,646; Dec. 3; v. 257; p. 113.
Jenkins, Peter. (See Smend and Jenkins.)
Jenkins, Samuel H., assignor of one-fourth to L. P. Barnes, Chattanooga, Tenn. Vehicle-wheel. No. 1,275,435; Aug. 13; v. 253; p. 332.
Jenkins, Samuel M., Louisville, Ky. Templet. No. 1,254,912; Jan. 29; v. 246; p. 1120.
Jenkins, Walter, Madison township, Riley county, Kans. Pump antifreezing attachment. No. 1,259,520; Mar. 19; v. 248; p. 523.
Jenks, Barton P., assignor to Gorham Manufacturing Company, Providence, R. I. Serving-dish. No. 1,265,338; May 7; v. 250; p. 127.
Jennings, Aaron E., Owensboro, Ky. Tire-armor. No. 1,255,754; Feb. 5; v. 247; p. 186.
Jennings, Alfred E., Farmingdale, N. J. Postage-stamp tongs. No. 1,287,329; Dec. 10; v. 257; p. 317.
Jennings, Archer B., Meriden, Conn. Tool-chest. No. 1,268,124; June 4; v. 251; p. 16.
Jennings, Chester S., assignor to The Lamson Company, Boston, Mass. Conveying apparatus for newspapers and the like. No. 1,285,720; Nov. 26; v. 256; p. 692.
Jennings, David J., Cleveland, Ohio. Mandrel for forming paper receptacles. No. 1,273,497; July 23; v. 252; p. 850.
Jennings, David J., Cleveland, Ohio. Automatic machine for the manufacture of paper receptacles. No. 1,276,535; Aug. 20; v. 253; p. 669.
Jennings, Emerson P., Jr., Lehighton, Pa. Collating device. No. 1,253,247; Jan. 15; v. 246; p. 587.
Jennings, Emerson P., Jr., Lehighton, Pa. Platen-gripper. No. 1,253,248; Jan. 15; v. 246; p. 587.
Jennings, Emerson P., Jr., Lehighton, Pa. Ruling device for printing-presses. No. 1,279,872; Sept. 24; v. 254; p. 772.
Jennings, Emerson P., Jr., Lehighton, Pa. Operating device for impression throw-offs. No. 1,279,873; Sept. 24; v. 254; p. 772.
Jennings, George S., Jennings, Fla. Lemon-squeezer. No. 1,264,080; Apr. 23; v. 249; p. 944.
Jennings, Jesse M., Des Moines, Iowa. Gun for destroying wire entanglements. No. 1,275,561; Aug. 13; v. 253; p. 366.
Jennings, Ode D. (See Ford, Shelley W., assignor.)
Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Revolving fan. No. 1,261,131; Apr. 2; v. 249; p. 40.
Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Revolving fan. No. 1,270,832; July 2; v. 252; p. 22.
Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Revolving fan. No. 1,270,833; July 2; v. 252; p. 22.
Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Induction-motor. No. 1,280,040; Sept. 24; v. 254; p. 818.
Jennings, Robert G., Elmira, N. Y. Union-suit with abdominal band. No. 1,262,503; Apr. 9; v. 249; p. 455.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Woven carrier. No. 1,251,891; Jan. 1; v. 246; p. 134.
Jennings, Victor H., Worcester, Mass., assignor, by mesne assignments, to Universal Patents Company, Woonsocket, R. I. Woven carrier. No. 1,252,268; Jan. 1; v. 246; p. 239.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Machine-gun belt and other like carrier. No. 1,257,241; Feb. 19; v. 247; p. 699.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Woven carrier. No. 1,273,790; July 23; v. 252; p. 927.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Woven carrier. No. 1,275,436; Aug. 13; v. 253; p. 322.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Pocketed carrier. No. 1,282,695; Oct. 22; v. 255; p. 802.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Machine-gun belt and the like. No. 1,283,412; Oct. 29; v. 255; p. 1024.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Carrier for wire-cutters or other tools. No. 1,286,597; Dec. 3; v. 257; p. 101.
Jennings, Victor H., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Pocketed carrier. No. 1,287,330; Dec. 10; v. 257; p. 317.
Jennings, William, *et al.* (See Allen, Benjamin T., assignor.)
Jennings, William. (See Montgomery, James E., assignor.)
Jennison, Jesse, and G. H. Higgins, Cortland, N. Y. Sheet-metal bow. No. 1,251,532; Jan. 1; v. 246; p. 25.
Jennison, Jesse, and G. H. Higgins, Cortland, N. Y. Manufacturing tops and bows for same. No. 1,272,451; July 16; v. 252; p. 536.
Jennison-Wright Company, The. (See Carver, George G., assignor.)
Jensen, Aage, Phillips, Wis. Wrench. No. 1,264,808; Apr. 30; v. 249; p. 1177.
Jensen, Aage, Phillips, Wis. Match-box. No. 1,282,696; Oct. 22; v. 255; p. 803.
Jensen, Aage, Phillips, Wis. Tobacco-pipe. No. 1,288,012; Dec. 17; v. 257; p. 518.
Jensen, Aage, Long Island City, N. Y. Sterilizing method. No. 1,276,659; Aug. 20; v. 253; p. 703.
Jensen, Albert T., Norma, N. D. Greasing device. No. 1,255,016; Jan. 29; v. 246; p. 1147.
Jensen, Alexander V., Devils Slide, Utah. Cement-packing machine. No. 1,259,993; Mar. 19; v. 248; p. 661.
Jensen, Alvin L., and B. S. Hoxie, Spring Green, Wis. Rim-breaker. No. 1,263,420; Apr. 23; v. 249; p. 763.
Jensen, Andrew B., *et al.* (See Pratt, Elmer C., assignor.)
Jensen, Arthur. (See Custer, Eugene I., assignor.)

Jensen, Christian, Battle Creek, Iowa. Hose-clamp. No. 1,285,204; Nov. 19; v. 256; p. 523.
Jensen, Clarence S., Vienna, S. D. Liquid-gage. No. 1,268,356; June 4; v. 251; p. 81.
Jensen, Elmer C., *et al.* (See Wassell, Clifford R., assignor.)
Jensen, Engebret, Wheatfield, Ind. Removable metal tire for vehicle-wheels. No. 1,281,166; Oct. 8; v. 255; p. 317.
Jensen, Frederick Y., Ephraim, Utah. Flour-sifter. No. 1,279,874; Sept. 24; v. 254; p. 773.
Jensen, George C. (See Drew, William F., assignor.)
Jensen, George C., Oakland, Cal. Lock mechanism for motor-vehicles. No. 1,251,782; Jan. 1; v. 246; p. 102.
Jensen, George C., Oakland, Cal. Locking device for levers. No. 1,253,384; Jan. 15; v. 246; p. 629.
Jensen, George C., Oakland, Cal. Engine-locking device. No. 1,262,199; Apr. 9; v. 249; p. 371.
Jensen, George C., Oakland, Cal. Lever-locking mechanism. No. 1,262,200; Apr. 9; v. 249; p. 371.
Jensen, George C., Oakland, Cal. Mechanism for locking levers. No. 1,262,201; Apr. 9; v. 249; p. 371.
Jensen, George C., Oakland, Cal. Apparatus for locking levers. No. 1,262,202; Apr. 9; v. 249; p. 372.
Jensen, George C., Oakland, Cal. Locking mechanism for levers. No. 1,262,203; Apr. 9; v. 249; p. 372.
Jensen, George C., Oakland, Cal. Lock device for gear-shift levers. No. 1,262,348; Apr. 9; v. 249; p. 411.
Jensen, George C., Oakland, Cal. Gear-shift-lever lock mechanism. No. 1,262,349; Apr. 9; v. 249; p. 412.
Jensen, George C., Oakland, Cal. Lock-controlled lever-locking mechanism. No. 1,265,667; May 7; v. 250; p. 215.
Jensen, George C., Oakland, Cal. Lever-mounting. No. 1,267,079; May 21; v. 250; p. 670.
Jensen, George C., Oakland, Cal. Locking unit for levers. No. 1,270,834; July 2; v. 252; p. 22.
Jensen, George C., Oakland, Cal. Lever-locking unit. No. 1,271,902; July 9; v. 252; p. 353.
Jensen, George C., Oakland, Cal. Lever structure and lock for same. No. 1,271,903; July 9; v. 252; p. 354.
Jensen, George C., Oakland, Cal. Lever-locking construction. No. 1,275,038; Aug. 6; v. 253; p. 197.
Jensen, George C., Oakland, Cal. Locking construction for levers. No. 1,275,039; Aug. 6; v. 253; p. 198.
Jensen, George C., Oakland, Cal. Shift-device lock mechanism. No. 1,276,926; Aug. 27; v. 253; p. 810.
Jensen, George C., Oakland, Cal. Locking apparatus for levers. No. 1,277,597; Sept. 3; v. 254; p. 73.
Jensen, George C., Oakland, Cal. Safety locking attachment for automobiles. No. 1,288,605; Dec. 24; v. 257; p. 689.
Jensen, George C., Oakland, Cal. Longitudinally-movable locking and interlocking bolt. No. 1,288,606; Dec. 24; v. 257; p. 690.
Jensen, George C., Oakland, Cal. Automatically-operated locking mechanism for gear-shifting devices. No. 1,288,906; Dec. 24; v. 257; p. 761.
Jensen, Gunnar, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Stroboscopic device. No. 1,251,669; Jan. 1; v. 246; p. 69.
Jensen, Hans, assignor to The Jensen-Salsbery Laboratories, Inc., Kansas City, Mo. Dilator. No. 1,268,576; June 4; v. 251; p. 144.
Jensen, Ingeborg M., Chicago, Ill. Crochet-needle and holder. No. 1,289,470; Dec. 31; v. 257; p. 926.
Jensen, James L. (See Nazer and Jensen.)
Jensen, Jens O., New York, N. Y. Process of and apparatus for preparing crude oil for distillation. No. 1,268,721; June 4; v. 251; p. 184.
Jensen, Lawrence H., St. Charles, Ill. Differential pump. No. 1,268,850; June 11; v. 251; p. 240.
Jensen, Peter L. (See Pridham and Jensen.)
Jensen-Salsbery Laboratories, The. (See Jensen, Hans, assignor.)
Jensen, Torbjorn C., Highwood, Conn. Outlet-valve for stationary tubs. No. 1,288,013; Dec. 17; v. 257; p. 518.
Jensen, Vernon W., Council Bluffs, Iowa. Dust-hood for vehicle-tops. No. 1,266,598; May 21; v. 250; p. 535.
Jensen, Victor G., Chicago, Ill. Fuse. No. 1,266,479; May 14; v. 250; p. 471.
Jenssen, Andreas, assignor to A/S Vestlandske Blikktrykkeri Og Mekaniske Verksted, Stavanger, Norway. Means for opening tins or the like. No. 1,261,240; Apr. 2; v. 249; p. 69.
Jenssen, Gunnar D., New York, N. Y. Means for making sulfite acid liquor and the like. No. 1,251,533; Jan. 1; v. 246; p. 25.
Jenssen, Sigvald T., Philadelphia, Pa. Card-holder. No. 1,274,887; Aug. 6; v. 253; p. 156.
Jentz, William E., Platteville, Wis. Hay-rack. No. 1,257,872; Feb. 26; v. 247; p. 919.
Jentzer, Henry, St. Louis, Mo. Column-form. No. 1,272,961; July 16; v. 252; p. 681.
Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,255,535; Feb. 5; v. 247; p. 123.
Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Dynamo-electric machine. No. 1,262,587; Apr. 9; v. 249; p. 480.
Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Emergency lighting system. No. 1,269,712; June 18; v. 251; p. 509.
Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Ignition system. No. 1,277,078; Aug. 27; v. 253; p. 852.
Jepson, John W., Buffalo, N. Y., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,260,386; Mar. 26; v. 248; p. 806.
Jepson, John W., Buffalo, N. Y., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,268,469; June 4; v. 251; p. 115.
Jepson, John W., Buffalo, N. Y., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,287,331; Dec. 10; v. 257; p. 317.
Jepson, John W., New York, N. Y., assignor to Gould Coupler Company. Electrical system and apparatus therefor. No. 1,261,817; Apr. 9; v. 249; p. 267.
Jergins, Andrew T., Los Angeles, Cal. Hydraulic oil-well washer. No. 1,276,536; Aug. 20; v. 253; p. 670.
Jerige, Carl, Phoenix, N. Y. Surface-gage. No. 1,289,794; Dec. 31; v. 257; p. 1005.
Jernberg, George H., Bayonne, N. J. Oil-engine igniter. No. 1,280,748; Oct. 8; v. 255; p. 201.
Jerram, Arthur E., Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Needle for lacing shoe-uppers. No. 1,289,183; Dec. 31; v. 257; p. 854.
Jerram, Arthur E., and J. Gouldbourn, Leicester, England, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. No. 1,264,188; Apr. 30; v. 249; p. 1007.
Jerram, Arthur E., and J. Gouldbourn, Leicester, England, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Leveling-machine. No. 1,275,562; Aug. 13; v. 253; p. 366.
Jerram, Arthur E. and F. B. Keall, Leicester, England, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Tacking mechanism. No. 1,268,357; June 4; v. 251; p. 82.
Jersemann, Max, Brooklyn, N. Y. Fluid or semifluid dispensing device for table use. No. 1,270,835; July 2; v. 252; p. 23.
Jersey City Printing Company. (See Drach, George B., assignor.)
Jeske, Charles A. and C. P., assignors to The Auto-Speed Recorder Company, Chicago, Ill. Recording device. No. 1,275,263; Aug. 13; v. 253; p. 284.
Jeske, Clarence P. (See Jeske, Charles A. and C. P.)
Jeske, Samuel A., Jamestown, N. D. Grain-separator. No. 1,269,085; June 11; v. 251; p. 305.
Jessen, Eliza, Redlands, Cal. Wrench. No. 1,260,676; Mar. 26; v. 248; p. 892.
Jessop, Earl P., Brooklyn, N. Y. Automatic stop for railway-trains. No. 1,253,042; Jan. 8; v. 246; p. 499.
Jessup, Samuel N., Turlock, Cal. Replanting-hoe. No. 1,263,677; Apr. 23; v. 249; p. 834.
Jester, Marvin H., Denver, Colo. Clip for securing plaster-boards to metal studding in hollow-partition construction. No. 1,258,906; Mar. 12; v. 248; p. 317.
Jesurun, Edward, Palo Alto, and R. Lyttle, Los Angeles, Cal. Universal direction-control headlights. No. 1,270,163; June 18; v. 251; p. 631.
Jetmund, Charls S., Dows, Iowa. Brush-holder attachment for buckets. No. 1,286,014; Nov. 26; v. 256; p. 766.
Jeune, Aubrey E., Toronto, Ontario, Canada. Electric-fixture canopy. No. 1,270,296; June 25; v. 251; p. 693.
Jewelers Supply Company, The. (See Farnham, Frank E., assignor.)
Jewell, Abbie A., administratrix. (See Jewell, Chester C.)
Jewell, Chester C., deceased; A. Jewell, administratrix, assignor of one-half to J. W. Wilson, Spooner, Wis. Friction transmission. No. 1,279,117; Sept. 17; v. 254; p. 536.
Jewell, Frank J., assignor to Betson Plastic Fire Brick Co., Rome, N. Y. Forming baffle-walls for boilers. No. 1,288,014; Dec. 17; v. 257; p. 518.
Jewell, Frank J., assignor to Betson Plastic Fire Brick Co., Rome, N. Y. Constructing fire-brick arches. No. 1,288,015; Dec. 17; v. 257; p. 518.
Jewell, Samuel, Negaunee, Mich. Safety cross-head for mine-hoists. No. 1,252,122; Jan. 1; v. 246; p. 199.
Jewett, Dwight C., Kalamazoo, Mich. Heating-stove. No. 1,280,749; Oct. 8; v. 255; p. 201.
Jewett, Edwin C., *et al.* (See Haga, Mandius B., assignor.)
Jewett, James F., *et al.* (See Lindberg, Charles A., assignor.)
Jewett, John H., *et al.* (See Haga, Mandius B., assignor.)
Jewett, Murrit M., Corning, N. Y. Immersing device for coating-machines. No. 1,287,332; Dec. 10; v. 257; p. 318.
Jezowski, Blazej, New York Mills, N. Y. Belt-shifter. No. 1,260,677; Mar. 26; v. 248; p. 892.
Jezowski, Blazej, Midland, Mich. Soldier's protector. No. 1,287,695; Dec. 17; v. 257; p. 438.
Jiffy-All Corporation. (See Weinstein, Jacob, assignor.)
Jiffy Water Heater Company. (See Hudler, Charles L., assignor.)

Jillson, Lee E., Hartford, and E. Williams, New Haven, Conn. Boiler-tube cleaner. No. 1,275,437; Aug. 13; v. 253; p. 332.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Ratchet operating mechanism for drills. No. 1,255,315; Feb. 5; v. 247; p. 57.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Close-corner drill. No. 1,255,316; Feb. 5; v. 247; p. 57.
Jira, Frederick, San Francisco, Cal. Automatic guard and circuit-breaker. No. 1,253,832; Jan. 15; v. 246; p. 758.
Jirouch, Bohumil L., assignor to White Sewing Machine Company, Cleveland, Ohio. Needle-clamp for sewing-machines. No. 1,268,012; May 28; v. 250; p. 958.
Joachim, Julius, Berlin, assignor to Mortelwerk Joliet G. m. b. H., Waidmannslust, bei Hermsdorf, Germany. Manuafacture of mortar. No. 1,259,241; Mar. 12; v. 248; p. 411.
Jobes, A. Campbell. (See Tarr, William A., assignor.)
Jobke, August F., Detroit, Mich. Easel. No. 1,288,607; Dec. 24; v. 257; p. 690.
Jobski, Otto H., administrator. (See Bryant, Richard S.)
Jobski, Otto H., *et al.*, administrator. (See Bryant, Richard S.)
Jochen, E. J. (See Nossagk, Friedrich, assignor.)
Joeck, Thomas D., Asbury Park, N. J. Automatic signaling device. No. 1,256,134; Feb. 12; v. 247; p. 337.
Johannesen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Transformer. No. 1,266,480; May 14; v. 250; p. 471.
Johannesen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Stationary induction apparatus. No. 1,282,086; Oct. 22; v. 255; p. 636.
Johannesmeyer, Charles G., Glendale, Ohio. Planer-feed. No. 1,284,353; Nov. 12; v. 256; p. 270.
Johannessen, Johan E., Brooklyn, and O. A. Waage, New York, N. Y. Marlinespike. No. 1,274,272; July 30; v. 252; p. 1102.
Johannessen, Johan E., Brooklyn, and O. A. Waage, New York, N. Y., assignors of one-third to D. W. Flint, Providence, R. I. Nut-lock. No. 1,258,777; Mar. 12; v. 248; p. 279.
Johannessen, Johan E., Brooklyn, and O. A. Waage, New York, N. Y., assignors of one-third to D. W. Flint, Providence, R. I. Mine-cable-cutting mechanism. No. 1,263,898; Apr. 23; v. 249; p. 894.
Johannessen, Johan E., Brooklyn, and O. A. Waage, New York, N. Y., assignors of one-third to D. W. Flint, Providence, R. I. Formation of a ship's hull. No. 1,263,899; Apr. 23; v. 249; p. 894.
Johannessen, Johan E., assignor of one-sixth to J. A. Sether, one-sixth to O. C. Hoff, and one-sixth to C. J. Christiansen, Brooklyn, N. Y. Anchor. No. 1,258,119; Mar. 5; v. 248; p. 50.
Johannessen, Johan E., Brooklyn, and O. A. Waage, New York, N. Y., assignors of one-third to D. W. Flint, Providence, R. I., one-ninth to J. A. Sether, one-ninth to O. C. Hoff, and one-ninth to C. J. Christiansen, Brooklyn, N. Y. Mechanism for the operation of submarine armament. No. 1,270,164; June 18; v. 251; p. 631.
Johannessen, Johan E., assignor of one-fifth to J. A. Sether, one-fifth to O. C. Hoff, one-fifth to C. J. Christiansen, Brooklyn, and one-fifth to O. A. Waage, New York, N. Y. Marlinespike. No. 1,272,962; July 16; v. 252; p. 681.
Johansen, Andreas, Copenhagen, Denmark. Knife-sharpener. No. 1,259,408; Mar. 12; v. 248; p. 460.
Johansen, Thorvald C., Grand Island, Nebr. Scaffold. No. 1,273,231; July 23; v. 252; p. 779.
Johanson, Emil, Minneapolis, Minn. Button-stripper. No. 1,275,438; Aug. 13; v. 253; p. 332.
Johanson, Emil G., Chicago, Ill. Lens-screen. No. 1,255,755; Feb. 5; v. 247; p. 186.
Johanson, Emil G., Chicago, Ill. Reflector. No. 1,260,387; Mar. 26; v. 248; p. 806.
Johanson, Emil G., Chicago, Ill. Glass-molding apparatus. No. 1,261,939; Apr. 9; v. 249; p. 299.
Johanson, Emil G., Chicago, Ill. Light-rays refractor. No. 1,263,065; Apr. 16; v. 249; p. 645.
Johanson, Emil G., Chicago, Ill. Press. No. 1,269,186; June 11; v. 251; p. 332.
Johanson, Emil G., Chicago, Ill. Translucent glass. No. 1,274,054; July 30; v. 252; p. 1040.
Johanson, Emil G., Chicago, Ill. Aeroplane. No. 1,284,696; Nov. 12; v. 256; p. 354.
Johanson, Emil G., Chicago, Ill., assignor to The Norling Rotary Engine Company, Pierre, S. D. Rotary internal-combustion engine. No. 1,261,938; Apr. 9; v. 249; p. 299.
Johanson, Emil G., Rockford, Ill. Irreversible gearing. No. 1,270,950; July 2; v. 252; p. 56.
Johanson, Magnus H., assignor, by mesne assignments, to Todd Protectograph Company, Rochester, N. Y. Checkwriter. No. 1,289,184; Dec. 31; v. 257; p. 854.
Johansson, Allan F., Gottenborg, Sweden. Cooking-stove for open boats or the like purposes. No. 1,277,316; Aug. 27; v. 253; p. 913.
Johansson, Carl A., Christiania, Norway. Stabilization of aircraft. No. 1,274,888; Aug. 6; v. 253; p. 156.
Johansson, Carl E., assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Snap-gage and the like. No. 1,262,204; Apr. 9; v. 249; p. 372.
Johansson, Edvin A., Trollhättan, Sweden, assignor to Société Anonyme Metallurgique Procedes De Laval, Brussels, Belgium. Extracting zinc from its ores. No. 1,256,802; Feb. 19; v. 247; p. 570.
Johansson, Fredrik A., Hedemora, Sweden. Tool-holder. No. 1,280,750; Oct. 8; v. 255; p. 202.
Johansson, Johan P., Fauna, Enköping, Sweden. Adjustable support for electric lamps. No. 1,254,697; Jan. 29; v. 246; p. 1054.
Johansson, John, Helsingfors, and C. G. Tigerstedt, Elimä. Finland, Russia. Sawing logs. No. 1,252,445; Jan. 8; v. 246; p. 323.
Johansson, Klas H., Nässjö, Sweden. Automatic locking device for movable members of friction-clutch couplings. No. 1,284,900; Nov. 12; v. 256; p. 407.
John A. Roebling's Sons Company. (See Roebling, Charles G., assignor.)
John A. Roebling's Sons Company. (See Sunderland, Charles C., assignor.)
John, Adam, Haverhill, Mass. Spring-wheel. No. 1,254,505; Jan. 22; v. 246; p. 969.
John C. Nichols Harness Mfg. Company. (See Nichols, John C., assignor.)
John Chatillon & Sons. (See Chatillon, Ralph F., assignor.)
John Crossley & Sons. (See Horsfield, Harrison, assignor.)
John Douglas Company, The. (See McNeil, Daniel W., assignor.)
John Douglas Company, The. (See McNeil, John, assignor.)
John E. Hand & Sons Co. (See Hand, John L. H., assignor.)
John F. Byers Machine Company, The. (See Beckwith, Henry C., assignor.)
John Ford Starter Company, The. (See Eidson, Davis, and Crouse, assignors.) (Reissue.)
John H. Wiemers, Inc. (See Joyce, Martin W., assignor.)
John I. Thornycroft & Co. (See Barford, Valentine G., assignor.)
John Kitchen, Jr., Company. (See Weir, Robert J. A., assignor.)
John Kroder & Henry Reubel Company, The. (See Kroder, John, assignor.)
John O. Heinze Company, The. (See Heinze, John O., assignor.)
John O. Heinze Company, The. (See Slager and Anderton, assignors.)
John T. Lewis & Bros. Company. (See Eckfeldt, Frederick W., assignor.)
John T. Slack Corporation. (See Jacobs and Raymond, assignors.)
John Thomson Press Company. (See Thomson, John, assignor.)
John Wanamaker Philadelphia, Inc. (See Rehfuss, Martin O., assignor.)
John Wanamaker Philadelphia. (See Tily and Rehfus, assignors.)
Johns, Frederick J., *et al.* (See Smith, Ulysses S., assignor.)
Johns, Horace, Mainesburg, Pa. Hook-knife. No. 1,263,253; Apr. 16; v. 249; p. 696.
Johns, Luther. (See Boelio, Louis N., assignor.)
Johns-Pratt Company, The. (See Cole, Robert C., assignor.)
Johns-Pratt Company, The. (See Sachs, Joseph, assignor.)
Johns, Thomas W., assignor to Intertype Corporation, Brooklyn, N. Y. Keyboard-lock for typographical machines. No. 1,257,242; Feb. 19; v. 247; p. 699.
Johns, Thomas W., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Slug-casting machine. No. 1,277,598; Sept. 3; v. 254; p. 73.
Johns, Vernon H., Wauconda, Ill. Try-square. No. 1,286,332; Dec. 3; v. 257; p. 36.
Johnsdorf, Alfred C. R., Seattle, Wash. Padlock. No. 1,253,249; Jan. 15; v. 246; p. 588.
Johnsen, Bjornulf, Brooklyn, assignor to Hanlon & Goodman Co., New York, N. Y. Brush-holder. No. 1,284,697; Nov. 12; v. 256; p. 355.
Johnsen, Jeremias, North Bay, Ontario, Canada. Rotary brush. No. 1,261,818; Apr. 9; v. 249; p. 267.
Johnsen, John F., Craig, Mo. Guiding means for sleds. No. 1,276,927; Aug. 27; v. 253; p. 811.
Johnson, Aben E. (See Barnes, Edward M., assignor.)
Johnson, Adam E., Hoboken, N. J., assignor to Mark Cross Company, New York, N. Y. Card-table. No. 1,277,079; Aug. 27; v. 253; p. 852.
Johnson, Adolph, Coronado, Cal. Combined hose-rack and valve. No. 1,252,699; Jan. 8; v. 246; p. 398.
Johnson, Agnar, Albert Lea, Minn. Mechanical toy. No. 1,281,384; Oct. 15; v. 255; p. 409.
Johnson, Albert E., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Machine for making insoles. No. 1,252,348; Jan. 1; v. 246; p. 260.
Johnson, Albert E., Sanborn, N. Y. Device for breaking hens from setting. No. 1,258,684; Mar. 12; v. 248; p. 253.

Johnson, Albert H., Le Mars, Iowa. Carpet-beater. No. 1,287,028; Dec. 10; v. 257; p. 241.
Johnson, Albert L., Hamburg, N. Y. Means for roughening bars. No. 1,270,836; July 2; v. 252; p. 23.
Johnson, Albert W., Josco, Minn. Lock for sliding doors. No. 1,256,021; Feb. 12; v. 247; p. 303.
Johnson, Alex J., Nicolet Island, Minneapolis, Minn. Cutter-head. No. 1,268,722; June 4; v. 251; p. 184.
Johnson, Alfred, Detroit, Mich. Overshoe. No. 1,276,928; Aug. 27; v. 253; p. 811.
Johnson, Alfred, A. C. Swanson, and A. H. Utterberg, Chicago, Ill. Pneumatic action. No. 1,274,055; July 30; v. 252; p. 1040.
Johnson, Alfred C., Detroit, Mich. Tractor. No. 1,253,833; Jan. 15; v. 246; p. 758.
Johnson, Alfred E., Denver, Colo. Cartridge-fuse. No. 1,266,599; May 21; v. 250; p. 535.
Johnson, Alfred L., Boardman, Wis. Quack-grass destroyer. No. 1,280,231; Oct. 1; v. 255; p. 32.
Johnson, Alfred L., Boardman, Wis. Toothed roller for earthworking-tools. No. 1,288,608; Dec. 24; v. 257; p. 690.
Johnson, Allan W., Colton, Cal., assignor to American Steel Window Company, Chicago, Ill. Joint for metal sashes and forming the same. No. 1,272,809; July 16; v. 252; p. 638.
Johnson, Amos E., assignor of one-third to E. G. Van Alen and one-third to S. D. Burk, Northumberland, Pa. Lubricating apparatus. No. 1,266,272; May 14; v. 250; p. 416.
Johnson, Andrew W., Kansas City, Mo. Safety-blade holder. No. 1,258,778; Mar. 12; v. 248; p. 280.
Johnson, Arthur, Burton, Ohio. Saw-filing gage. No. 1,270,032; June 18; v. 251; p. 597.
Johnson, Arthur, Remsen, Iowa. Wire-stretching device. No. 1,277,317; Aug. 27; v. 253; p. 914.
Johnson, Arthur A., assignor to Underwood Typewriter Company, New York, N. Y. Manifolding. No.1,273,863; July 30; v. 252; p. 986.
Johnson, Arthur A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,278,156; Sept. 10; v. 254; p. 249.
Johnson, Arthur A., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,281,783; Oct. 15; v. 255; p. 514.
Johnson, Arthur A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,282,844; Oct. 29; v. 255; p. 872.
Johnson, Arthur A., Lyndhurst, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,284,354; Nov. 12; v. 256; p. 270.
Johnson, Arthur W. (See Carson, Frank W., assignor.)
Johnson, Arthur W., assignor of one-fifth to J. G. Erickson and one-fifth to G. F. Johnson, Minneapolis, Minn. Water-motor. No. 1,270,951; July 2; v. 252; p. 56.
Johnson, August, Souris, N. D. Draft-equalizer. No. 1,287,029; Dec. 10; v. 257; p. 242.
Johnson, August G., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Mechanism for making wire fences. No. 1,273,374; July 23; v. 252; p. 817.
Johnson, Austin C., assignor to Production Meter Company, Chicago, Ill. Indicating and recording mechanism. No. 1,283,789; Nov. 5; v. 256; p. 91.
Johnson Automatic Sealer Co. (See Johnson, Harry L., assignor.)
Johnson Automobile Lock Co. (See Imhoff, John H., assignor.)
Johnson, Axel, Oakland, Cal. Cooker. No. 1,275,040; Aug. 6; v. 253; p. 198.
Johnson, Axel, Chicago, Ill. Stretcher. No. 1,281,385; Oct. 15; v. 255; p. 410.
Johnson, Axel, Waukegan, Ill. Door-butt. No. 1,288,907; Dec. 24; v. 257; p. 762.
Johnson, Axel T. (See Leonard and Johnson.)
Johnson, Axel T., Chicago, Ill. Tube-rolling device. No. 1,257,609; Feb. 26; v. 247; p. 842.
Johnson, Axel T., Chicago, Ill. Mechanical movement. No. 1,286,015; Nov. 26; v. 256; p. 766.
Johnson, Billie, Temple, Tex. Cotton-picker. No. 1,252,578; Jan. 8; v. 246; p. 363.
Johnson, Bradley S., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging. No. 1,278,352; Sept. 10; v. 254; p. 302.
Johnson, C. O., *et al.* (See Bonney, Bick R., assignor.)
Johnson, Carl. (See Myers, Melvin A., assignor.)
Johnson, Carl A., Chicago, Ill. Animal-releasing device. No. 1,284,355; Nov. 12; v. 256; p. 270.
Johnson, Carl E., St. Paul, Minn. Water-jacketed valve-cap and spark-plug. No. 1,253,043; Jan. 8; v. 246; p. 499.
Johnson, Carl F., assignor to Johnson Service Company, Milwaukee, Wis. Automatic control device. No. 1,272,810; July 16; v. 252; p. 639.
Johnson, Carl O., Jefferson, Wis. Metal-working tool. No. 1,259,747; Mar. 19; v. 248; p. 587.
Johnson, Carl V., assignor to Indispensable Manufacturing Co., Goldfield, Nev. Winding device for drop-lights. No. 1,254,698; Jan. 29; v. 246; p. 1054.
Johnson, Charles A., Unionville, Conn. Belt-fastener. No. 1,282,845; Oct. 29; v. 255; p. 872.
Johnson, Charles B., assignor to Van Vlaanderen Machine Company, Paterson, N. J. Machine for treating fabrics. No. 1,280,232; Oct. 1; v. 255; p. 33.
Johnson, Charles C., Newburgh, N. Y. Water-level alarm for drip-pans. No. 1,283,200; Oct. 29; v. 255; p. 968.
Johnson, Charles D. and P. C., Halifax, Nova Scotia, Canada. Engine-piston. No. 1,252,269; Jan. 1; v. 246; p. 239.
Johnson, Charles E., Hobart, Tasmania, Australia. Apparatus for the production of pressure gas-vapor. No. 1,261,940; Apr. 9; v. 249; p. 299.
Johnson, Charles H., Newton, Mass. Coaster. No. 1,274,889; Aug. 6; v. 253; p. 156.
Johnson, Charles J., assignor to The Johnson Gas Appliance Company, Cedar Rapids, Iowa. Gas-burner. No. 1,281,971; Oct. 15; v. 255; p. 564.
Johnson, Charles L., San Jose, Cal. Device for teething infants. No. 1,268,470; June 4; v. 251; p. 115.
Johnson, Charles L., assignor of one-half to N. B. Johnson, Morrisville, Pa. Window-sash bower. No. 1,253,180; Jan. 8; v. 246; p. 539.
Johnson, Charles S. (See King, Johnson, and Jacoby.)
Johnson, Charles S., Marcy, N. Y. Knife-clip. No. 1,268,251; June 4; v. 251; p. 51.
Johnson, Charles T. (See Zollar and Johnson.)
Johnson, Charles W. (See Johnson, John O., O. H., and C. W.)
Johnson, Charli A. (See Connell and Johnson.)
Johnson, Chester F., Detroit, Mich. Drawing-board. No. 1,272,049; July 9; v. 252; p. 397.
Johnson, Chester F., assignor to Cadillac Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,260,388; Mar. 26; v. 248; p. 806.
Johnson, Chester N., Chicago, Ill. Insulating device. No. 1,288,016; Dec. 17; v. 257; p. 518.
Johnson, Clarence V., Yates Center, Kans. Wind-shield attachment. No. 1,270,165; June 18; v. 251; p. 632.
Johnson, Claus, Phillips, Wis. Operating means for saw-carriages. No. 1,278,157; Sept. 10; v. 254; p. 249.
Johnson Coin Counting Machine Company. (See Johnson, Jay M., assignor.)
Johnson, Cornelius E., assignor to The Proudfit Loose Leaf Company, Grand Rapids, Mich. Loose-leaf device. No. 1,272,963; July 16; v. 252; p. 681.
Johnson, Cortes, San Bernardino, Cal. Combined washing-machine and wringer. No. 1,261,545; Apr. 2; v. 249; p. 157.
Johnson, Daniel W., Saginaw, West Side, Mich. Winding device for tatting-shuttles. No. 1,259,629; Mar. 19; v. 248; p. 554.
Johnson, Eddie E., Toledo, Ohio. Vacuum street-cleaning machine. No. 1,252,905; Jan. 8; v. 246; p. 455.
Johnson, Edward E., St. Paul, Minn. Electric-horn switch. No. 1,254,405; Jan. 22; v. 246; p. 941.
Johnson, Edward E., St. Paul, Minn. Device for applying metal ribbon to perforated pipe. No. 1,272,452; July 16; v. 252; p. 536.
Johnson, Edward E., St. Paul, Minn. Reinforcing wire-formed tubular well-screens. No. 1,287,031; Dec. 10; v. 257; p. 242.
Johnson, Edward E., St. Paul, Minn. Paper-box-forming machine. No. 1,287,032; Dec. 10; v. 257; p. 242.
Johnson, Ellery, Brooklyn, N. Y. Type-writer rest. No. 1,264,654; Apr. 30; v. 249; p. 1138.
Johnson, Elmer, Washington, D. C. Powder-dusting machine. No. 1,282,697; Oct. 22; v. 255; p. 803.
Johnson, Elmer, Washington, D. C. Fire-extinguisher spray-nozzle. No. 1,286,333; Dec. 3; v. 257; p. 36.
Johnson, Elmer H., North Bennington, Vt. Puzzle. No. 1,283,201; Oct. 29; v. 255; p. 968.
Johnson, Elmo, and W. E. Bybee, Quincy, Ill. Direction-indicator for motor-vehicles. No. 1,252,700; Jan. 8; v. 246; p. 398.
Johnson, Eric, assignor to Deere and Company, Moline, Ill. Sand-box for wheels. No. 1,254,327; Jan. 22; v. 246; p. 918.
Johnson, Ernest A., Woodhaven, and W. Snodgrass, Brooklyn, N. Y. Method of and apparatus for treating hydrocarbon oils. No. 1,283,202; Oct. 29; v. 255; p. 968.
Johnson, Ernest S., Webster City, Iowa. Stock-watering device. No. 1,287,696; Dec. 17; v. 257; p. 438.
Johnson, Ernest S., assignor of one-half to W. E. Rood, Webster City, Iowa. Stock-watering device. No. 1,287,033; Dec. 10; v. 257; p. 243.
Johnson, Ernest S., Webster City, and J. L. Rhea, Council Bluffs, Iowa. Automatic type-writer actuator. No. 1,281,252; Oct. 8; v. 255; p. 340.
Johnson, Ewald E., St Charles, Ill. Insulator and bracket. No. 1,284,110; Nov. 5; v 256; p. 178.
Johnson, Frances O., Paducah, Ky. Playing-cards. No. 1,273,864; July 30; v. 252; p. 987.
Johnson, Francis E., Altoona, Pa. Riveting-hammer. No. 1,277,080; Aug. 27; v. 253; p. 852.
Johnson, Francis T., Chicago, Ill. Ironing-machine. No. 1,270,297; June 25; v. 251; p. 693.
Johnson, Frank, assignor to Cadillac Motor Car Company, Detroit, Mich. Speed-changing mechanism. No. 1,265,668; May 7; v. 250; p. 215.

Johnson, Frank, and B. M. Applebee, Brooklyn, N. Y. Folding game-table. No. 1,266,125; May 14; v. 250; p. 376.

Johnson, Frank A., University Place, Nebr. Automatic eraser for type-writers. No. 1,266,481; May 14; v. 250; p. 472.

Johnson, Frank P., Danville, Pa. Tire-fastening device. No. 1,262,504; Apr. 9; v. 249; p. 455.

Johnson, Frederic I., assignor to Johnson Pneu-metal Tire Company, Fitchburg, Mass. Metallic tire for vehicles. No. 1,263,558; Apr. 23; v. 249; p. 802.

Johnson, Frederic I., assignor to Johnson Pneu-metal Tire Company, Fitchburg, Mass. Resilient tire for vehicles. No. 1,278,671; Sept. 10; v. 254; p. 387.

Johnson, Frederic I., assignor to Johnson Pneu-Metal Tire Company, Fitchburg, Mass. Resilient wheel-tire. No. 1,282,427; Oct. 22; v. 255; p. 729.

Johnson, Frederic I., assignor to Johnson Pneu-Metal Tire Company, Fitchburg, Mass. Resilient tire for vehicles. No. 1,282,428; Oct. 22; v. 255; p. 730.

Johnson, Frederic I., assignor to Johnson Pneu-metal Tire Company, Fitchburg, Mass. Wheel-tire. No. 1,286,334; Dec. 3; v. 257; p. 37.

Johnson, Frederic I., assignor to Johnson Pneu-metal Tire Company, Fitchburg, Mass. Vehicle-tire. No. 1,287,034; Dec. 10; v. 257; p. 243.

Johnson, Frederic I., assignor to Johnson Pneu-metal Tire Company, Fitchburg, Mass. Resilient tire for vehicles. No. 1,287,035; Dec. 10; v. 257; p. 243.

Johnson, Frederic I., assignor to Johnson Pneu-metal Tire Company, Fitchburg, Mass. Resilient tire. No. 1,287,036; Dec. 10; v. 257; p. 243.

Johnson, Frederic I., assignor to Johnson Pneu-metal Tire Company, Fitchburg, Mass. Tire for vehicle-wheels. No. 1,288,421; Dec. 17; v. 257; p. 616.

Johnson, Frederick, Warba, Minn. Railway-car brake. No. 1,269,086; June 11; v. 251; p. 305.

Johnson, Fredrick, Minneapolis, Minn. Bed. No. 1,284,356; Nov. 12; v. 256; p. 270.

Johnson, Frederick G. L., Chelsea, London, England, assignor to Palmer-Perchlorate Powder Company of Canada Limited, Montreal, Canada. Explosive. No. 1,276,537; Aug. 20; v. 253; p. 670.

Johnson, Frederick H., South Pasadena, Cal. System and means of control. No. 1,258,013; Mar. 5; v. 248; p. 19.

Johnson, Frederick M. G., Montreal, Quebec, Canada. Separating nitro compounds from liquids. No. 1,271,578; July 9; v. 252; p. 264.

Johnson Gas Appliance Company. (See Johnson, Charles J., assignor.)

Johnson, Geo. F., *et al.* (See Johnson, Arthur M., assignor.)

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car friction-gear. No. 1,244,172; Feb. 5; v. 247; p. 17.

Johnson, George A., Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Friction-gear. No. 1,255,171; Feb. 5; v. 247; p. 17.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-rigging. No. 1,258,907; Mar. 12; v. 248; p. 317.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Stop-casting. No. 1,259,994; Mar. 19; v. 248; p. 661.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging. No. 1,273,865; July 30; v. 252; p. 987.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing for cars. No. 1,273,866; July 30; v. 252; p. 987.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Gravity-roller side bearing. No. 1,273,867; July 30; v. 252; p. 988.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller side bearing. No. 1,273,868; July 30; v. 252; p. 988.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,278,353; Sept. 10; v. 254; p. 303.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing for railway-cars. No. 1,281,386; Oct. 15; v. 255; p. 410.

Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke for railway draft-rigging. No. 1,286,598; Dec. 3; v. 257; p. 101.

Johnson, George T. (See Larsen and Johnson.)

Johnson, George T., Melrose, assignor to The George T. Johnson Company, Boston, Mass. Paper-dispensing device. No. 1,251,892; Jan. 1; v. 246; p. 134.

Johnson, George T., Melrose, assignor to The George T. Johnson Company, Boston, Mass. Dispensing apparatus for roll material. No. 1,286,599; Dec. 3; v. 257; p. 101.

Johnson, George W., Sardis, Miss. Boll-weevil exterminator. No. 1,284,698; Nov. 12; v. 256; p. 355.

Johnson, Gustave A., Irvington, N. J. Coupling device for electric-wire conduits, &c. No. 1,275,439; Aug. 13; v. 253; p. 333.

Johnson, Gustave T., assignor to P. B. Yates Machine Company, Beloit, Wis. Saw-guard. No. 1,271,473; July 2; v. 252; p. 200.

Johnson, Gustave T., assignor to P. B. Yates Machine Company, Beloit, Wis. Saw structure. No. 1,278,814; Sept. 10; v. 254; p. 426.

Johnson, Gustave T., assignor to P. B. Yates Machine Company, Beloit, Wis. Abrasive machine. No. 1,288,908; Dec. 24; v. 257; p. 762.

Johnson, H. T., *et al.* (See Paulsen, Thomas R., assignor.)

Johnson, Hans P., Racine, Wis. Harrow. No. 1,255,425; Feb. 5; v. 247; p. 90.

Johnson, Hans P., Racine, Wis. Rim-expander. No. 1,278,672; Sept. 10; v. 254; p. 388.

Johnson, Harry E. (See Sigler, Charles B., assignor.)

Johnson, Harry L., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Wrapping and sealing machine. No. 1,266,686; May 21; v. 250; p. 561.

Johnson, Harry L., assignor to Johnson Automatic Sealer Company, Limited, Battle Creek, Mich. Wrapping-machine. No. 1,270,416; June 25; v. 251; p. 726.

Johnson, Harry O., Calhan, Colo. Air-pump. No. 1,275,440; Aug. 13; v. 253; p. 333.

Johnson, Henning K., Minneapolis, Minn. Nail-extractor and hammer. No. 1,261,399; Apr. 2; v. 249; p. 116.

Johnson, Henry, Detroit, Mich. Jack. No. 1,289,795; Dec. 31; v. 257; p. 1005.

Johnson, Henry B., *et al.* (See Hitt, Reed R., assignor.)

Johnson, Henry T. (See Bittlestone and Johnson.)

Johnson, Henry T. (See Cook, Johnson and Foot.)

Johnson, Homer H., *et al.*, executors. (See Hall, Charles M.)

Johnson, Horace G., assignor of one-half to H. S. Cooper, Kenosha, Wis. Bifurcated undergarment. No. 1,281,019; Oct. 8; v. 255; p. 275.

Johnson, Hugh, Reidsville, N. C. Cultivator attachment. No. 1,289,796; Dec. 31; v. 257; p. 1006.

Johnson, Iver, Vancouver, British Columbia, Canada. Wheel. No. 1,276,371; Aug. 20; v. 253; p. 623.

Johnson, Iver R. (See Schuster and Johnson.)

Johnson, Jacob T., Atlanta, Ga. Combination-hammer. No. 1,286,335; Dec. 3; v. 257; p. 37.

Johnson, James P., Cleveland, Ohio. Automatic speed-changing attachment for gear-cutting machines. No. 1,254,233; Jan. 22; v. 246; p. 891.

Johnson, Jay M., Chicago, Ill. Ticket-canceling and coin-fare box. No. 1,253,980; Jan. 15; v. 246; p. 798.

Johnson, Jay M., Chicago, Ill. Driving mechanism. No. 1,276,074; Aug. 20; v. 253; p. 541.

Johnson, Jay M., Chicago, Ill., assignor to Johnson Coin Counting Machine Company. Coin inspection and counting machine. No. 1,251,534; Jan. 1; v. 246; p. 26.

Johnson, Jay M., Chicago, assignor to W. P. Butler, Berwyn, Ill. Ticket and coin fare box. No. 1,268,723; June 4; v. 251; p. 185.

Johnson, Jay M., Chicago, assignor to W. P. Butler, Berwin, Ill. Ticket mutilating, canceling, and counting device. No. 1,270,837; July 2; v. 252; p. 23.

Johnson, Jeremiah P., and G. W. Mason, Detroit, Mich. Door-latch. No. 1,262,054; Apr. 9; v. 249; p. 329.

Johnson, Jerome C., *et al.* (See Nixson, Edwin J., assignor.)

Johnson, John, Honolulu, Hawaii. Resilient wheel. No. 1,269,187; June 11; v. 251; p. 332.

Johnson, John A. (See Myers, Melvin A., assignor.)

Johnson, John A., Meriden, assignor to The Bassick Co., Bridgeport, Conn. Leg-mount. No. 1,278,476; Sept. 10; v. 254; p. 334.

Johnson, John B., Edmonton, Alberta, Canada. Laundry-cabinet. No. 1,277,599; Sept. 3; v. 254; p. 73.

Johnson, John D., Spokane, Wash. Differential mechanism. No. 1,259,521; Mar. 19; v. 248; p. 523.

Johnson, John D., Seattle, Wash. Differential mechanism. No. 1,279,118; Sept. 17; v. 254; p. 536.

Johnson, John D., Spokane, assignor to Johnson Power Transmission Company, Seattle, Wash. Power-transmitting apparatus. No. 1,262,350; Apr. 9; v. 249; p. 412.

Johnson, John D. A., Muskegon, Mich. Washing-machine. No. 1,252,808; Jan. 8; v. 246; p. 428.

Johnson, John D. A., Muskegon, Mich. Dolly for washing-machines. No. 1,264,940; May 7; v. 250; p. 18.

Johnson, John E., assignor to The O. and J. Machine Company, Worcester, Mass. Label applying and gripping mechanism. No. 1,253,250; Jan. 15; v. 246; p. 588.

Johnson, John E., assignor to C. Fischer, Brooklyn, N. Y. Speedometer. No. 1,256,022; Feb. 12; v. 247; p. 303.

Johnson, John E., assignor of one-half to E. S. Burns, Beaver Falls, Pa. Vacant-seat detector for theaters. No. 1,257,873; Feb. 26; v. 247; p. 919.

Johnson, John E., assignor to Illinois Watch Case Co., Elgin, Ill. Watchcase. No. 1,277,937; Sept. 3; v. 254; p. 166.

Johnson, John E., and C. H. Oslund, assignors to The O. & J. Machine Company, Worcester, Mass. Labeling-machine. No. 1,272,670; July 16; v. 252; p. 598.

Johnson, John H., Omaha, Nebr. Building-screed. No. 1,259,020; Mar. 12; v. 248; p. 351.

Johnson, John L., Seattle, Wash. Camera. No. 1,266,810; May 21; v. 250; p. 595.

Alphabetical list of patentees—Continued.

Johnson, John L., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Time-element device. No. 1,288,017; Dec. 17; v. 257; p. 519.
Johnson, John O., Viborg, S. D. Harrow attachment. No. 1,284,901; Nov. 12; v. 256; p. 407.
Johnson, John O., O. H., and C. W., New Hampton, Iowa. Tamping-machine for concrete blocks. No. 1,277,081; Aug. 27; v. 253; p. 853.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Work-support. No. 1,254,044; Jan. 22; v. 246; p. 837.
Johnson, John W., Bessemer, assignor of one-half to J. A. O'Neill, Ironwood, Mich. Bundle-carrier for grain-binders. No. 1,283,203; Oct. 29; v. 255; p. 969.
Johnson & Johnson. (See Johnson, Robert W., assignor.)
Johnson, Joseph E., assignor to Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Breaker-arm for igniters. No. 1,266,811; May 21; v. 250; p. 596.
Johnson, Joseph E., Jr., Hartsdale, N. Y. Producing ferrosilicon in blast-furnaces. (Reissue.) No. 14,547; Nov. 12; v. 256; p. 422.
Johnson, Joseph M., Reading, assignor of one-half to S. S. Johnson, Harrisburg, Pa. Indicator. No. 1,268,125; June 4; v. 251; p. 16.
Johnson, Joseph O., Coalinga, Cal. Pad for horse-collars. No. 1,266,812; May 21; v. 250; p. 596.
Johnson, Junior. (See Phinous, James M., assignor.)
Johnson, Kenneth S., Jersey City, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-substation circuit. No. 1,263,421; Apr. 23; v. 249; p. 763.
Johnson, Kenneth S., Jersey City, N. J., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,280,751; Oct. 8; v. 255; p. 202.
Johnson, Leonard V., and O. H. Benson, St. Michaels, Md. Machine for making cake containers. No. 1,288,018; Dec. 17; v. 257; p. 519.
Johnson, Lewis, Willmar, Minn. Sanitary toothpick-holder. No. 1,262,055; Apr. 9; v. 249; p. 329.
Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,256,698; Feb. 19; v. 247; p. 540.
Johnson, Lewis H., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company. Telephone system. No. 1,271,171; July 2; v. 252; p. 118.
Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,280,752; Oct. 8; v. 255; p. 202.
Johnson, Lincoln V., and F. J. Fisher, San Francisco, Cal. Container-stopper. No. 1,260,389; Mar. 26; v. 248; p. 807.
Johnson, Lloyd, Uhrichsville, Ohio. Vehicle-spring. No. 1,286,016; Nov. 26; v. 256; p. 766.
Johnson, Lloyd S., Dayton, Ohio. Self-heating soldering-iron. No. 1,260,200; Mar. 19; v. 248; p. 717.
Johnson, Lorenzo K., Portland, Pa. Spring-calk drive-shoe. No. 1,282,846; Oct. 29; v. 255; p. 872.
Johnson, Louis J., Terre Haute, Ind. Motor-driven bicycle. No. 1,257,711; Feb. 26; v. 247; p. 872.
Johnson, Louis J., Terre Haute, Ind. Sprocket. No. 1,257,712; Feb. 26; v. 247; p. 873.
Johnson, Manfred J., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Electrical measuring instrument. No. 1,288,019; Dec. 17; v. 257; p. 519.
Johnson, Martha V., Richland, Mo. Ordnance. No. 1,289,185; Dec. 31; v. 257; p. 854.
Johnson, Mason L. (See Body, Johnson, Kilgore, and Blevins.)
Johnson, Nathan C. (See Chapman and Johnson.)
Johnson, Nels C., Racine, Wis. Garbage-incinerator. No. 1,257,359; Feb. 26; v. 247; p. 767.
Johnson, Newton B. (See Johnson, Charles L., assignor.)
Johnson, Nils P., Crookston, Minn. Wheel-harrow. No. 1,263,422; Apr. 23; v. 249; p. 764.
Johnson, Nils P., Crookston, Minn. Harrow-tooth cleaner. No. 1,263,423; Apr. 23; v. 249; p. 764.
Johnson, Ola S., St. Paul, Minn. Pipe-joint. No. 1,264,655; Apr. 30; v. 249; p. 1138.
Johnson, Olof F., Granite Falls, Minn. Silo-scaffold. No. 1,284,699; Nov. 12; v. 256; p. 355.
Johnson, Oscar, New York, N. Y., assignor to Auto Pneumatic Action Company. Pedal and panel operating mechanism. No. 1,252,446; Jan. 8; v. 246; p. 324.
Johnson, Oscar A., Napoleon, N. C. Wrench. No. 1,269,188; June 11; v. 251; p. 333.
Johnson, Oscar H., assignor to The Mine & Smelter Supply Company, Denver, Colo. Rotary drum-feeder. No. 1,284,700; Nov. 12; v. 256; p. 355.
Johnson, Oscar W., *et al.* (See Campbell, Donald K., assignor.)
Johnson, Otto H. (See Johnson, John O., O. H., and C. W.)
Johnson, Paul E., Abercombie, N. D. Safety attachment for breastpins and the like. No. 1,281,387; Oct. 15; v. 255; p. 410.
Johnson, Peter B., Norfolk, Nebr. Hay-rake. No. 1,263,321; Apr. 16; v. 249; p. 714.
Johnson, Peter C. (See Johnson, Charles D. and P. C.)
Johnson, Peter E. (See Kelly and Johnson.)
Johnson, Peter G., Astoria, Oreg. Boat-chock. No. 1,287,333; Dec. 10; v. 257; p. 318.
Johnson Pneu-metal Tire Company. (See Johnson, Frederic I., assignor.)
Johnson Power Transmission Company. (See Johnson, John D., assignor.)
Johnson, Ransom E., assignor to J. Hardie and T. McCall, Los Angeles, Cal. Wrench. No. 1,281,020; Oct. 8; v. 255; p. 275.
Johnson, Richard, Proctor, Vt. Film-holding spool. No. 1,268,724; June 4; v. 251; p. 185.
Johnson, Richard, Lake Benton, Minn. Gage-stake for check-row wires. No. 1,279,348; Sept. 17; v. 254; p. 601.
Johnson, Richard J., Lake Benton, Minn. Smoke-consumer. No. 1,278,937; Sept. 17; v. 254; p. 490.
Johnson, Richard J., Lake Benton, Minn. Smoke-washer. No. 1,289,797; Dec. 31; v. 257; p. 1006.
Johnson, Robert, Floresville, Tex. Tie-tamping device. No. 1,285,205; Nov. 19; v. 256; p. 523.
Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. First-aid packet. No. 1,268,064; May 28; v. 250; p. 972.
Johnson, Roland J., Woodworth, N. D. Baby-jumper. No. 1,261,400; Apr. 2; v. 249; p. 116.
Johnson, Rufus L., O. R. Goolsby, and J. N. Phillips, Edinburg, Miss. Baling-press. No. 1,263,322; Apr. 16; v. 249; p. 714.
Johnson, Samuel M., assignor to Johnson's Convertible Boats and Rafts Limited, Cardiff, Wales. Convertible raft and the like. No. 1,274,273; July 30; v. 252; p. 1102.
Johnson, Samuel M., assignor to Johnson's Convertible Boats and Rafts Limited, Cardiff, Wales. Ship's life or emergency boat. No. 1,280,483; Oct. 1; v. 255; p. 102.
Johnson, Samuel S. (See Johnson, Joseph M., assignor.)
Johnson, Sarah, executrix. (See Johnson, Sinclair J.)
Johnson Service Company. (See Fortier, Charles L., assignor.)
Johnson Service Company. (See Hofstad, Nels, assignor.)
Johnson Service Company. (See Johnson, Carl F., assignor.)
Johnson, Sinclair J., deceased; S. Johnson, executrix, assignor of one-half to W. C. Shultz, Montclair, N. J. Rotary pump. No. 1,276,372; Aug. 20; v. 253; p. 624.
Johnson, Solomon F. (See Ayres and Johnson.)
Johnson, Stephen E., Jr. (See Irwin and Johnson.)
Johnson, Stephen S., South Orange, N. J. Matting device. No. 1,277,318; Aug. 27; v. 253; p. 914.
Johnson, Swan G., Los Angeles, Cal. Time-operated light-switch. No. 1,277,082; Aug. 27; v. 253; p. 853.
Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Rear windage-sight for firearms. No. 1,257,713; Feb. 26; v. 247; p. 873.
Johnson, Thomas C., and F. F. Knous, assignors to Winchester Repeating Arms Co., New Haven, Conn. Combined peep-sight and open sight for firearms. No. 1,260,907; Mar. 26; v. 248; p. 953.
Johnson, Todd J., Redlands, Cal. Wrench. No. 1,279,349; Sept. 17; v. 254; p. 601.
Johnson, Tomlinson F., Jr., Atlanta, Ga. Boltless guy-clamp. No. 1,266,126; May 14; v. 250; p. 377.
Johnson, Victor S. (See Davis and Johnson.)
Johnson, Walter C., Colemans Hatch, England. Fencing. No. 1,269,819; June 18; v. 251; p. 540.
Johnson, Walter C., Smith Mills, Pa. Chain-fastener. No. 1,278,477; Sept. 10; v. 254; p. 334.
Johnson, Walter S., Seattle, Wash. Packing-case. No. 1,260,390; Mar. 26; v. 248; p. 807.
Johnson, Warren, New Orleans, La. Pavement. No. 1,253,600; Jan. 15; v. 246; p. 690.
Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, St. Louis, Mo. Mine-car-running-gear assembly. No. 1,256,135; Feb. 12; v. 247; p. 338.
Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, St. Louis, Mo. Mine-car wheel and means for attaching same. No. 1,256,136; Feb. 12; v. 247; p. 338.
Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, St. Louis, Mo. Mine-car wheel with hub-cap. No. 1,256,137; Feb. 12; v. 247; p. 338.
Johnson, Wilfred G., Elyria, assignor to W. B. D. Alexander, Cleveland, Ohio. Brake mechanism for motorcycles and the like. No. 1,265,786; May 14; v. 250; p. 280.
Johnson, William, Sioux City, Iowa. Device for moistening hot air from furnaces. No. 1,265,207; May 7; v. 250; p. 93.
Johnson, William B., Atlanta, Ga. Making bread. No. 1,264,809; Apr. 30; v. 249; p. 1178.
Johnson, William C., McKeesport, Pa. Flange-lubricating device. No. 1,276,538; Aug. 20; v. 253; p. 670.
Johnson, William D., and B. Friedhoffer, Los Angeles, Cal. Bottle measuring-cap. No. 1,285,206; Nov. 19; v. 256; p. 523.
Johnson, William G., Baltimore, Md. Comb. No. 1,286,600; Dec. 3; v. 257; p. 102.
Johnson, William H. (See Hamilton and Johnson.)
Johnson, William H., Pine Bluff, Ark. Cooking-fork. No. 1,265,087; May 7; v. 250; p. 61.
Johnson, William H., San Francisco, Cal. Tractor. No. 1,276,929; Aug. 27; v. 253; p. 811.

Johnson, William H., Terre Haute, Ind. Tributary-feeder control. No. 1,281,579; Oct. 15; v. 255; p. 460.
Johnson, William H., Terre Haute, Ind. Feeder-governor. No. 1,281,580; Oct. 15; v. 255; p. 460.
Johnson, William H., Terre Haute, Ind. Tributary-feeder control. No. 1,281,581; Oct. 15; v. 255; p. 461.
Johnson, William M., Momence, Ill. Shears-support. No. 1,262,506; Apr. 9; v. 249; p. 456.
Johnson, William S., Waco, Tex. Mechanical starter. No. 1,252,579; Jan. 8; v. 246; p. 364.
Johnson, Woolsey M., Hartford, Conn. Cadmium-evolving process. No. 1,271,172; July 2; v. 252; p. 119.
Johnson's Convertible Boats and Rafts Limited. (See Johnson, Samuel M., assignor.)
Johnston, Allen, assignor to Johnston Pressed Gear Company, Ottumwa, Iowa. Lawn-mower. No. 1,255,885; Feb. 12; v. 247; p. 264.
Johnston, Arthur C., assignor to Link-Belt Company, Chicago, Ill. Coal pile. No. 1,256,569; Feb. 19; v. 247; p. 502.
Johnston, Benjamin F., and W. B. Mowbray, Ogden, Utah. Tire. No. 1,259,748; Mar. 19; v. 248; p. 588.
Johnston, Clarence S., Glendive, Mont. Demountable rim. No. 1,265,787; May 14; v. 250; p. 280.
Johnston, Clarence S., Glendive, Mont. Sectional wheel-rim. No. 1,273,274; July 30; v. 252; p. 1102.
Johnston, Cyrus E., Wilkie, Saskatchewan, Canada. Generator. No. 1,259,104; Mar. 12; v. 248; p. 374.
Johnston, David G., Clayworks, Iowa. Grain-elevator structure. No. 1,259,021; Mar. 12; v. 248; p. 351.
Johnston, Edgar S., Munson Station, Pa. Bed-spring. No. 1,285,721; Nov. 26; v. 256; p. 692.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Corporation. Engine. No. 1,254,699; Jan. 29; v. 246; p. 1054.
Johnston, Edward A., Chicago, Ill., assignor, by mesne assignments, to International Harvester Corporation. Fuel-feed mechanism for internal-combustion engines. No. 1,257,243; Feb. 19; v. 247; p. 699.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Corporation. Steering device for traction-engines. No. 1,269,609; June 18; v. 251; p. 481.
Johnston, Forrest H., Toledo, Ohio. Music-leaf turner. No. 1,253,181; Jan. 8; v. 246; p. 539.
Johnston, Harry, Chicago, Ill. Valve mechanism for internal-combustion engines. No. 1,287,037; Dec. 10; v. 257; p. 243.
Johnston, Henry B., Handsworth, Birmingham, England. Pedal driving-gear for cycles and the like. No. 1,268,851; June 11; v. 251; p. 240.
Johnston, Herbert L. (See Rataiczak and Johnston.)
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Meat-chopper and the like. No. 1,264,081; Apr. 23; v. 249; p. 944.
Johnston, James J., and H. McCauley, Shaw, W. Va. Rail-chair. No. 1,259,870; Mar. 19; v. 248; p. 623.
Johnston, James S., Utica, N. Y. Drying-machine. No. 1,256,570; Feb. 19; v. 247; p. 502.
Johnston, James S., Utica, N. Y. Long-range torpedo. No. 1,272,964; July 16; v. 252; p. 682.
Johnston, John, London, England. Rotary compressor and exhauster. No. 1,281,972; Oct. 15; v. 255; p. 565.
Johnston, John, assignor of one-half to T. Everett, Jr., Annawan, Ill. Combination staple-puller and wire-splicer. No. 1,278,673; Sept. 10; v. 254; p. 388.
Johnston, John W., Rochester, N. Y. Display-card holder. No. 1,260,201; Mar. 19; v. 248; p. 717.
Johnston, Lewis E., Sullivan, Mo. Automobile spark-plug. No. 1,280,113; Sept. 24; v. 254; p. 838.
Johnston, Mary J., Chicago, Ill. Skirt-gage. No. 1,255,426; Feb. 5; v. 247; p. 91.
Johnston Pressed Gear Company. (See Johnston, Allen, assignor.)
Johnston, Renord C., Buffalo Gap, Tex. Trousers-stretcher. No. 1,265,669; May 7; v. 250; p. 216.
Johnston, Roscoe C., St. Louis Park, assignor of one-half to E. Nelson, Minneapolis, Minn. Making phonograph-needles. No. 1,266,949; May 21; v. 250; p. 634.
Johnston, Samuel H., Deltaville, Va. Fish-trap. No. 1,262,507; Apr. 9; v. 249; p. 456.
Johnston, Stephen G., Barboursville, W. Va. Kiln. No. 1,253,182; Jan. 8; v. 246; p. 540.
Johnston, William, Dayton, Ohio. Fountain shaving-brush. No. 1,268,976; June 11; v. 251; p. 275.
Johnston, William A., A. W. Browne, Prince Bay, N. Y., and F. L. Wallace, assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Anesthetic-administering apparatus. No. 1,279,549; Sept. 24; v. 254; p. 677.
Johnston, William E., Phoenix, Ala. Lug-strap support. No. 1,288,609; Dec. 24; v. 257; p. 690.
Johnston, William L., Lansing, Mich. Car-unloading machine. No. 1,266,273; May 14; v. 250; p. 417.
Johnston, William R., Eagle Rock, Cal. Attachment for automobile-radiators. No. 1,275,441; Aug. 13; v. 253; p. 333.
Johnston, William R., Ellwood City, Pa. Puzzle. No. 1,285,207; Nov. 19; v. 256; p. 524.
Johnstone, Francis W., Fort Smith, Ark. Engine. No. 1,280,484; Oct. 1; v. 255; p. 102.
Johnstone, Samuel, St. Catharines, Ontario, Canada. Automobile cushion-wheel. No. 1,258,573; Mar. 5; v. 248; p. 183.
Joice, John K., Chicago, Ill. Wall and floor panels. No. 1,277,319; Aug. 27; v. 253; p. 914.
Joite, William, Cleveland, Ohio. Combustible compound. No. 1,285,208; Nov. 19; v. 256; p. 524.
Jokela, Vale, Brantwood, Wis. Nut and bolt lock. No. 1,283,204; Oct. 29; v. 255; p. 969.
Joline, Benjamin F., Tottenville, assignor to The Joline Corporation, New York, N. Y. Printing-machine. No. 1,262,205; Apr. 9; v. 249; p. 373.
Joline Corporation, The. (See Joline, Benjamin F., assignor.)
Jolliff, Ralph R., Mishawaka, Ind. Air-coupling. No. 1,289,798; Dec. 31; v. 257; p. 1006.
Jonas, Frank. (See Grothkopf, Victor H. H., assignor.)
Jone, Hugo, Brooklyn, N. Y. Testing milk. No. 1,273,375; July 23; v. 252; p. 817.
Jones, Albert E., Flume, Hungary. Mechanism for the control of the propellers of automobile torpedoes. No. 1,256,502; Feb. 12; v. 247; p. 447.
Jones, Albert L., assignor to Jones Bros. Overall Co., Dubuque, Iowa. Sleeping-garment. No. 1,283,205; Oct. 29; v. 255; p. 969.
Jones, Alfred, and H. A. Webster, assignors to Armstrong Cork Company, Lancaster, Pa. Printing-block-control mechanism. No. 1,263,900; Apr. 23; v. 249; p. 895.
Jones, Alice M., and Z. Glimm, New York, N. Y. Abdominal band and hose-supporter. No. 1,262,804; Apr. 16; v. 249; p. 570.
Jones, Allan H., and C. H. MacNichols, assignors of one-half to said Jones and one-half to F. L. Wildes, Oakland, Cal. Cutting and welding torch. No. 1,262,351; Apr. 9; v. 249; p. 413.
Jones, Alva D., Philadelphia, Pa. Sound-box for talking-machines. No. 1,275,936; Aug. 13; v. 253; p. 470.
Jones, Alva D., deceased, assignor of forty one-hundredths to F. Lyster, Philadelphia, Pa.; J. W. Cammack, administrator. Talking-machine record. No. 1,288,610; Dec. 24; v. 257; p. 691.
Jones, Archibald, Langeloth, Pa., assignor to Metallurgical Company of America, New York, N. Y. Zinc retort-furnace. No. 1,282,847; Oct. 29; v. 255; p. 873.
Jones, Arthur, Coventry, England. Mechanical instrument for dividing and spacing lines or dimensions and transferring scales from drawings. No. 1,258,574; Mar. 5; v. 248; p. 183.
Jones, Arthur B., Cambridge, Mass. Protective shield for automobile mechanics. No. 1,254,808; Jan. 29; v. 246; p. 1088.
Jones, Arthur E., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sectional cabinet. No. 1,285,209; Nov. 19; v. 256; p. 524.
Jones, Arthur E., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sheet-metal desk construction. No. 1,287,038; Dec. 10; v. 257; p. 244.
Jones, Arthur P. (See Jones, Herbert and A. P.)
Jones, Bassett. (See Wilson, Sutton, and Jones.)
Jones, Benjamin, Saginaw, Mich. Household account-book. No. 1,284,902; Nov. 12; v. 256; p. 408.
Jones Bros. Overall Co. (See Jones, Albert L., assignor.)
Jones, Burgoyne, Hinsdale, Ill., assignor to Jahn & Ollier Engraving Company. Preparing etched or engraved plates. No. 1,276,226; Aug. 20; v. 253; p. 583.
Jones, Butler M., Detroit, Mich. Post-hole-digging machine. No. 1,271,904; July 9; v. 252; p. 354.
Jones, Cable B., Whitewood, S. D. Wire-gate fastener and tightener. No. 1,268,471; June 4; v. 251; p. 115.
Jones, Calvin D., Muskegon, Mich. Chair. No. 1,270,738; June 25; v. 251; p. 812.
Jones, Charles, Webster City, Iowa. Automobile power-jack. No. 1,258,779; Mar. 12; v. 248; p. 280.
Jones, Charles A. (See Berryman, Grover C., assignor.)
Jones, Charles E., Chicago, Ill. Gravity-clamp for light-reflecting bowls. No. 1,274,890; Aug. 6; v. 253; p. 157.
Jones, Charles H., Galva, Ill. Road-machine. No. 1,264,656; Apr. 30; v. 249; p. 1138.
Jones, Charles M., North Yakima, Wash. Tire-carrier. No. 1,267,227; May 21; v. 250; p. 712.
Jones, Charles M., North Yakima, Wash. Tire-carrier. No. 1,267,228; May 21; v. 250; p. 712.
Jones, Charles R., Rossville, Ga. Strainer attachment for drinking vessels. No. 1,267,417; May 28; v. 250; p. 791.
Jones, Chesney L., Oakland, N. J. Soap tablet. No. 1,268,126; June 4; v. 251; p. 17.
Jones, Clayton M., Jamestown, N. Y. Radiator. No. 1,255,173; Feb. 5; v. 247; p. 17.
Jones, Clayton M., Jamestown, N. Y. Radiator. No. 1,280,041; Sept. 24; v. 254; p. 819.
Jones, Columbus, Washington, Kans. Revolving hay-rack. No. 1,261,241; Apr. 2; v. 249; p. 70.
Jones, Curran B., Evansville, Ind. Coupling. No. 1,255,756; Feb. 5; v. 247; p. 186.
Jones, David C., Wyoming, assignor to The Lunkenheimer Company, Cincinnati, Ohio. Reversible lever for steam-whistles and the like. No. 1,260,775; Mar. 26; v. 248; p. 920.
Jones, David F., Cleveland, Ohio. Universal joint or coupling. No. 1,287,030; Dec. 10; v. 257; p. 242.
Jones, David W. (See Janisch, Maximillian P., assignor.)
Jones, David W., Los Angeles, Cal. Method of and apparatus for pumping fluids. No. 1,276,373; Aug. 20; v. 253; p. 624.

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Jones, David W., Chicago, Ill., and W. J. Miller, assignors of one-third to J. F. Stone, Columbus, Ohio. Rotary valve for internal-combustion motors. No. 1,261,941; Apr. 9; v. 249; p. 300.
Jones & Davis. (See Starr, George H., assignor.)
Jones, E. A. (See Weiland, George W., assignor.)
Jones, Eber A., Rosedale, Kans. Garden implement. No. 1,279,704; Sept. 24; v. 254; p. 723.
Jones, Edward A., Pittsfield, Mass., and R. J. Marx, London, England. Refining-engine. No. 1,272,453; July 16; v. 252; p. 536.
Jones, Edward F., Indianapolis, Ind., Carbon-removing-solution holder. No. 1,266,950; May 21; v. 250; p. 634.
Jones, Edward S., assignor of one-twentieth to J. H. Jones and one-fourth to L. G. Adams, Mobile, Ala. Submarine-detector. No. 1,272,811; July 16; v. 252; p. 639.
Jones, Edward S., assignor of one-half to N. T. Jones, Mobile, Ala. Dirigible parachute. No. 1,278,158; Sept. 10; v. 254; p. 249.
Jones, Edward S., assignor of one-twentieth to J. H. Jones, Mobile, Ala. Grenade and bomb throwing device. No. 1,278,159; Sept. 10; v. 254; p. 250.
Jones, Edward T., New Orleans, La. Telephone-bracket. No. 1,288,611; Dec. 24; v. 257; p. 691.
Jones, Edwin, Cleveland, Ohio. Release-clevis for car-couplings. No. 1,274,057; July 30; v. 252; p. 1041.
Jones, Edwin W. (See Reavell and Jones.)
Jones, Ella H., trustee. (See Wyckoff, Joseph E., assignor.)
Jones, Elmer M., assignor to Jones Signal System Company, Atlanta, Ga. Signal system for electric cars. No. 1,253,385; Jan. 15; v. 246; p. 630.
Jones, Elmer W. (See Cable and Jones.)
Jones, Emerald E., Chicago, Ill. Saw-guard. No. 1,255,886; Feb. 12; v. 247; p. 264.
Jones, Ernest H., Canonbury, London, England. Metal electrode used in electric-arc deposition of metals. No. 1,265,453; May 7; v. 250; p. 160.
Jones, Eugene A., Los Angeles, Cal., assignor to Jones Holding Syndicate, Seattle, Wash. Pneumatic tire. No. 1,285,722; Nov. 26; v. 256; p. 692.
Jones, Evan. (See Bailey, Lloyd, and Jones.)
Jones, Ewing, Brookings, Oreg. Concrete tie. No. 1,285,723; Nov. 26; v. 256; p. 693.
Jones, Francis M., Oakland, Cal. Bicycle-hanger. No. 1,251,783; Jan. 1; v. 246; p. 102.
Jones, Frank C., Toledo, Iowa. Means for removing and replacing wrist-pin bushings. No. 1,280,233; Oct. 1; v. 255; p. 33.
Jones, Fred A., Lakewood, Ohio. Furnace-lining material and producing same. No. 1,251,535; Jan. 1; v. 246; p. 26.
Jones, Fred E., assignor to J. F. Donnelly, Brockton, Mass. Boot and shoe. No. 1,266,535; May 14; v. 250; p. 488.
Jones, Fred E., assignor of one-half to H. J. Lupien, Brockton, Mass. Welt-insole. No. 1,279,705; Sept. 24; v. 254; p. 723.
Jones, George B., assignor to The Globe Stove & Range Co., Kokomo, Ind. Stove-door and particularly oven-door for stoves. No. 1,260,776; Mar. 26; v. 248; p. 921.
Jones, George F., Fairfield, Ill. Hose-clamp. No. 1,282,848; Oct. 29; v. 255; p. 873.
Jones, George M., Galt, Cal. Insect-trapping screen. No. 1,254,234; Jan. 22; v. 246; p. 891.
Jones, George W., Chicago, Ill. Internal-combustion engine. No. 1,257,360; Feb. 26; v. 247; p. 768.
Jones, Guerdon O., Bouton, Iowa. Tire-pressure valve and signal. No. 1,270,952; July 2; v. 252; p. 56.
Jones, Harry A., Vancouver, British Columbia, Canada. Detachable button. No. 1,259,871; Mar. 19; v. 248; p. 624.
Jones, Harry C., Larchmont, N. Y. Automatic shutter device. No. 1,268,577; June 4; v. 251; p. 144.
Jones, Henry, Oregon City, Oreg. Steel-tape cleaner. No. 1,265,339; May 7; v. 250; p. 127.
Jones, Henry P. (See Gabel and Jones, assignors.)
Jones, Herbert and A. P., Swansea, Wales. Hat-shape retainer. No. 1,268,977; June 11; v. 251; p. 275.
Jones, Herbert S., Bethlehem, Pa. Electrified satchel. No. 1,288,909; Dec. 24; v. 257; p. 762.
Jones Holding Syndicate. (See Jones, Eugene A., assignor.)
Jones, Howard B., Evanston, Ill. Indicator for liquid-tanks. No. 1,261,819; Apr. 9; v. 249; p. 267.
Jones, Howard F., Warrenton, N. C. Oil-gage. No. 1,275,935; Aug. 13; v. 253; p. 470.
Jones, Howard S. (See Henning and Jones.)
Jones, Hugh F., J. E. Lane, and E. M. Lillie, Ray, Ariz. Pneumatic hammer. No. 1,259,409; Mar. 12; v. 248; p. 460.
Jones, Hugh J., assignor to Banner Specialty Manufacturing Company, Denver, Colo. Razor-stropping machine. No. 1,283,790; Nov. 5; v. 256; p. 92.
Jones, J. Moores. (See Driver, Charles H., assignor.)
Jones, J. Moores. (See Wardman, Hallock, assignor.)
Jones, James. (See Slack, Irvin, assignor.)
Jones, James A. (See Starkey, Homer C., assignor.)
Jones, James A., Anderson, Ind. Apparatus for cleaning erasers. No. 1,279,350; Sept. 17; v. 254; p. 601.
Jones, James E. (See Newdick, Norton A., assignor.)
Jones, James R., assignor to Art Metal Construction Company, Inc., Jamestown, N. Y. Leveling-base for furniture. No. 1,255,427; Feb. 5; v. 247; p. 91.
Jones, Jasper, Newark, Ohio. Receptacle. No. 1,258,223; Mar. 5; v. 248; p. 79.
Jones, Jesse E., Senath, Mo. Grassing-shovel. No. 1,281,167; Oct. 8; v. 255; p. 317.
Jones, John B., Brookville, Pa. Gage. No. 1,286,647; Dec. 3; v. 257; p. 113.
Jones, John D., Walla Walla, Wash. Threshing-machine. No. 1,254,506; Jan. 22; v. 246; p. 969.
Jones, John D., Walla Walla, Wash. Harvesting and threshing machine. No. 1,281,582; Oct. 15; v. 255; p. 461.
Jones, John D., Walla Walla, assignor of one-half to H. C. Baker, Walla Walla county, Wash. Harvesting and threshing machine. No. 1,253,601; Jan. 15; v. 246; p. 690.
Jones, John D., assignor to The Self-Oiling Wheel & Bearing Co., Walla Walla, Wash. Hub-attaching device. No. 1,274,167; July 30; v. 252; p. 1072.
Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film cartridge. No. 1,255,017; Jan. 29; v. 246; p. 1148.
Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film cartridge. No. 1,272,454; July 16; v. 252; p. 536.
Jones, John H., *et al.* (See Jones, Edward S., assignor.)
Jones, John H., Oakland City, Ind. Device for automatically diluting charges for internal-combustion engines with moistened air. No. 1,275,563; Aug. 13; v. 253; p. 367.
Jones, John M. (See Baughn, Samuel C., assignor.)
Jones, John T. (See Longyear and Jones.)
Jones, John T., assignor to T. J. Howells, Pittsburgh, Pa. Metallurgical process. No. 1,288,422; Dec. 17; v. 257; p. 616.
Jones, John T., assignor to T. J. Howells, Pittsburgh, Pa. Producing ferromanganese. No. 1,289,799; Dec. 31; v. 257; p. 1006.
Jones, John T., Marquette, Mich., assignor to New Metals-Process Company, Chicago, Ill. Ore-reducing furnace and process. No. 1,289,800; Dec. 31; v. 257; p. 1006.
Jones, Joseph, New Orleans, La. Combined garbage-can and trap. No. 1,276,770; Aug. 27; v. 253; p. 770.
Jones, Joseph W., Joliet, Ill. Rotary gas-engine. No. 1,282,429; Oct. 22; v. 255; p. 730.
Jones, Joseph W., assignor to Jones Motorola, Inc., New York, N. Y. Winding device for spring-motors. No. 1,257,286; Feb. 19; v. 247; p. 713.
Jones, Joseph W., Pelham, assignor to Jones Motrola Inc., New York, N. Y. Winding device for spring-motors. No. 1,268,358; June 4; v. 251; p. 82.
Jones, Joseph W., and W. F. Treiber, Corning, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J. Governing mechanism for compressor-engines. No. 1,278,160; Sept. 10; v. 254; p. 250.
Jones, Josiah A., Hartford, Conn. Caster. No. 1,286,336; Dec. 3; v. 257; p. 37.
Jones, Laurence D., Schenectady, N. Y., assignor to General Electric Company. Rotary converter. No. 1,263,424; Apr. 23; v. 249; p. 764.
Jones, Laurence E., Liberty, Mo. Automobile signal device. No. 1,282,430; Oct. 22; v. 255; p. 730.
Jones, Lawrence. (See Miller, Samuel C., assignor.)
Jones, Le Roy F., Waiakoa, Hawaii. Detachable bow-support for shoes. No. 1,273,376; July 23; v. 252; p. 817.
Jones, Leslie B., Newport, Wash. Stump-puller. No. 1,253,183; Jan. 8; v. 246; p. 540.
Jones, Levander D., assignor of three-fifteenths to H. D. Deacon and eight-fifteenths to Z. E. Marvin, Dallas, Tex. Treating cotton-stalks. No. 1,257,080; Feb. 19; v. 247; p. 652.
Jones, Levis O., Cleveland, Ohio. Water-closet-flushing mechanism. No. 1,281,583; Oct. 15; v. 255; p. 462.
Jones, Llewellyn T. (See Williams and Jones.)
Jones, Lloyd, Las Animas, Colo. Aeroplane. No. 1,287,697; Dec. 17; v. 257; p. 438.
Jones, Lloyd, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Universal coupling. No. 1,271,905; July 9; v. 252; p. 354.
Jones, Louis S., Crittenden, Ark. Saw-gage. No. 1,281,168; Oct. 8; v. 255; p. 317.
Jones, Luther P., Russellville, assignor of one-half to C. Womble, Franklin county, Ala. Swinging cradle. No. 1,270,417; June 25; v. 251; p. 726.
Jones, Lyman D., Bridgeport, Conn. Vehicle-spring. No. 1,270,953; July 2; v. 252; p. 57.
Jones, Lyman M., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Hay-loader. No. 1,262,674; Apr. 16; v. 249; p. 533.
Jones, Martin A., McGregor, Tex. Cotton-chopper. No. 1,258,340; Mar. 5; v. 248; p. 113.
Jones, Martin A., McGregor, Tex. Cotton-chopper. No. 1,274,718; Aug. 6; v. 253; p. 108.
Jones, Maxwell M., Chicago, Ill. Bath-cabinet heater. No. 1,258,685; Mar. 12; v. 248; p. 253.
Jones, Meredith, Scranton, Pa. Game or puzzle. No. 1,289,471; Dec. 31; v. 257; p. 926.
Jones Motrola, Inc. (See Jones, Joseph W., assignor.)
Jones, Nicholas T. (See Jones, Edward S., assignor.)

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Jones, Owen H., assignor to F. M. Pomeroy, Hartford, Conn. Ball-cock. No. 1,252,701; Jan. 8; v. 246; p. 398.
Jones, Paul, and R. C. Miller, Toledo, Ohio. Railway ditching-machine. No. 1,265,088; May 7; v. 250; p. 61.
Jones, Paul A., Irrigon, Oreg. Umbrella. No. 1,254,601; Jan. 22; v. 246; p. 997.
Jones, Pearl N., Pittsburgh, and J. W. Welsh, Oakmont, Pa. Control of electric motors and apparatus therefor. No. 1,264,941; May 7; v. 250; p. 19.
Jones, Philip, Santa Maria, Cal. Process and apparatus for the separation of oils and gases. No. 1,255,018; Jan. 29; v. 246; p. 1148.
Jones, Philip, Santa Maria, Cal. Condensing apparatus. No. 1,264,399; Apr. 30; v. 249; p. 1066.
Jones, Richard E., Troy, Ala. Watch-holder. No. 1,264,082; Apr. 23; v. 249; p. 944.
Jones, Richard I., Topeka, Kans. Sewerage system. No. 1,261,401; Apr. 2; v. 249; p. 117.
Jones, Robert W., Wilkes-Barre, Pa. Winding and rewinding machine. No. 1,274,891; Aug. 6; v. 253; p. 157.
Jones, Roger B., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,272,455; July 16; v. 252; p. 536.
Jones, Russell G., Joliet, assignor to Cruiser Motor Car Company, Chicago, Ill. Automobile. No. 1,289,801; Dec. 31; v. 257; p. 1006.
Jones Signal System Company. (See Jones, Elmer M., assignor.)
Jones, Thomas F., Maywood, Ill. Talking-machine sound-box. No. 1,258,341; Mar. 5; v. 248; p. 114.
Jones, Thomas L., Williamsburg, Iowa. Horse-canopy. No. 1,289,802; Dec. 31; v. 257; p. 1007.
Jones, Wade H., River Rouge, Mich. Angle-iron-welding block. No. 1,259,522; Mar. 19; v. 248; p. 524.
Jones, Walter, Daylight, Tenn. Sanitary pillow. No. 1,270,298; June 25; v. 251; p. 693.
Jones, Walter, Stourbridge, England. Apparatus for the purification of sewage and analogous liquids. No. 1,282,587; Oct. 22; v. 255; p. 772.
Jones, Walter, Stourbridge, England. Purification of sewage and analogous liquids. No. 1,286,017; Nov. 26; v. 256; p. 766.
Jones, Walter A. (See De Vaughn, Harry E., assignor.)
Jones, Walter E., Lima, Ohio. Engine-platform. No. 1,254,236; Jan. 22; v. 246; p. 892.
Jones, Wesley C., assignor of one-half to R. W. Wood, Portland, Oreg. Tatting-shuttle winder. No. 1,260,678; Mar. 26; v. 248; p. 892.
Jones, Whitfield E., Jr., assignor to Pittsburgh Can Company, Sharpsburg, Pa. Can. No. 1,276,660; Aug. 20; v. 253; p. 703.
Jones, William A. (See Paulett, Jones and Hughes.)
Jones, William A. (See Samuel and Jones.)
Jones, William B., Utica, N. Y. Combined easel and drafting-table. No. 1,286,018; Nov. 26; v. 256; p. 766.
Jones, William D., Brooklyn, assignor to Universal Stamping Machine Company, New York, N. Y. Mail-marking machine. No. 1,288,020; Dec. 17; v. 257; p. 519.
Jones, William M., *et al.* (See Jasper, Ossed W., assignor.)
Jones, William R., Double Bay, near Sydney, New South Wales, Australia. Quick-repair device for holes in metallic hollow ware. No. 1,285,210; Nov. 19; v. 256; p. 524.
Jones, William T. (See Andres and Jones.)
Jones, William T. (See Fisher, Fred M., assignor.)
Jones, Wirt J., Phoenix, Ariz. Adjustable necktie. No. 1,267,553; May 28; v. 250; p. 828.
Jons, Detlef, Jr., Spangle, Wash. Conveyer. No. 1,274,556; Aug. 6; v. 253; p. 62.
Jonson, John G., Seattle, Wash. Film-controlled indicator for moving-picture apparatus. No. 1,272,671; July 16; v. 252; p. 599.
Joos, Edward, St. Louis, Mo. Toy. No. 1,278,674; Sept. 10; v. 254; p. 388.
Joosten, Jean, and P. A. Perrin, Lille, France. Rotary engine. No. 1,262,206; Apr. 9; v. 249; p. 373.
Jordan, Alcan C., and W. R. Beal, Arkansas City, Kans. Oil-burner. No. 1,268,359; June 4; v. 251; p. 82.
Jordan, Alfred E., Brooklyn, N. Y. Boiler. No. 1,260,679; Mar. 26; v. 248; p. 892.
Jordan Carburetor Company. (See Jordan, George D., assignor.)
Jordan, Charles J. (See Smith, Emery H., assignor.)
Jordan, Edward, Oak Park, and J. F. Reinert, South Elgin, Ill., assignors of one-third to E. J. Roche. Automatic hot-box alarm for journal-boxes of railway-cars. No. 1,270,954; July 2; v. 252; p. 57.
Jordan, George D., Basic, Va., assignor to Jordan Carburetor Company, Wilmington, Del. Manifold for explosive-engines. No. 1,277,424; Sept. 3; v. 254; p. 26.
Jordan, Joseph M., Jr., Atlantic City, N. J. Camera attachment. No. 1,257,874; Feb. 26; v. 247; p. 920.
Jordan, Julius S., Lodge, S. C. Separator for grits and meal. No. 1,260,680; Mar. 26; v. 248; p. 893.
Jordan, Madison, Clarke county, Miss. Scalding-tank. No. 1,252,580; Jan. 8; v. 246; p. 364.
Jordan, Robert E., Chicago, Ill. Hog-dehairing structure. No. 1,270,239; June 18; v. 251; p. 650.
Jordan, Rowland C., Winnipeg, Manitoba, Canada. Clothes-clip. No. 1,285,724; Nov. 26; v. 256; p. 693.
Jordan, Thomas N., Jr., Mobile, Ala. Adjustable-tension saw-gage. No. 1,258,575; Mar. 5; v. 248; p. 183.
Jordan, Walter L. (See Boeck and Jordan.)
Jordan, William P. (See Davis, Stephen J., assignor.)
Joret, Léon J., assignor to Société H. Arquembourg Joret & Cie., Paris, France. Carbureter. No. 1,259,105; Mar. 12; v. 248; p. 375.
Jorgensen, Julius J., and W. G. Latimer, Detroit, Mich., assignors to Coinometer Company, Wilmington, Del. Coin-sorting and counting machine. No. 1,279,351; Sept. 17; v. 254; p. 601.
Jorgensen, Lars R., South Berkeley, Cal. Dam construction. No. 1,282,087; Oct. 22; v. 255; p. 637.
Jorgensen, Olav E., Copenhagen, Denmark. Internal-combustion engine. No. 1,289,454; June 11; v. 251; p. 406.
Jorgenson, Peter, Chicago, Ill. Rotary engine. No. 1,259,749; Mar. 19; v. 248; p. 588.
Joseph A. Vogel Co. (See Kirby, Howard M., assignor.)
Joseph Benn & Sons. (See Lister, Henry R., assignor.)
Joseph, Chester V. (See Pearne and Joseph.)
Joseph D. Bell Company. (See Bell, Joseph D., assignor.) (Reissue.)
Joseph H. Meyer Bros. (See Ganzinotti, Paul B., assignor.)
Joseph, Irwin S., Rahway, N. J. Recovering the ingredients from waste roofing, &c. No. 1,253,386; Jan. 15; v. 246; p. 630.
Joseph Lay Company, The. (See Lay and Baker, assignors.)
Joseph N. Smith & Company. (See Chamberlin, Clarence P., assignor.)
Joseph Ross & Co. (See Moffat, William L., assignor.)
Joseph, Simon, assignor to Brown Brothers, Ltd., London, England. Lubricator for valve-stems. No. 1,263,901; Apr. 23; v. 249; p. 895.
Josephson, Adalbert, New York, N. Y. Display-card. No. 1,273,377; July 23; v. 252; p. 818.
Josephson, Henry, Cleveland, Ohio. Brake mechanism for automobiles or motor-vehicles. No. 1,270,838; July 2; v. 252; p. 24.
Josephson, Walter S., assignor to S. G. Reilly, New York, N. Y. Anti-back-firing economizer. No. 1,282,431; Oct. 22; v. 255; p. 731.
Josler, Angelo, assignor of one-half to F. P. Smith, Chicago, Ill. Window-guard. No. 1,279,747; Sept. 24; v. 254; p. 734.
Joslin, Frank M., assignor to Inman Manufacturing Company, Inc., Amsterdam, N. Y. Gearing. No. 1,251,784; Jan. 1; v. 246; p. 103.
Josling, Harold W. E., assignor to "Perfecta" Boiler Circulator Limited, Westminster, London, England. Means for promoting circulation of the fluid in steam-generators. No. 1,278,478; Sept. 10; v. 254; p. 334.
Josling, Harold W. E., assignor to Marine Appliances Limited, Westminster, London, England. Means for promoting the circulation of water in steam-boilers. No. 1,281,973; Oct. 15; v. 255; p. 565.
Joslyn, Ida L., Terre Haute, Ind. Tire armor or protector. No. 1,258,780; Mar. 12; v. 248; p. 280.
Jost, Benedict, Scenic, S. D. Automobile-extractor. No. 1,263,425; Apr. 23; v. 249; p. 765.
Jouffret, Henri V. J., Paris, France. Controlling means. No. 1,264,083; Apr. 23; v. 249; p. 945.
Joungster, William, Hawthorne, N. J. Manufacturing a butter substitute. No. 1,261,820; Apr. 9; v. 249; p. 267.
Jourdan, Emil H., and W. M. Young, Newark, N. J. Window-screen supporter. No. 1,263,066; Apr. 16; v. 249; p. 645.
Journeay, Joseph G., San Francisco, Cal. Match-dispensing machine. No. 1,261,402; Apr. 2; v. 249; p. 117.
Joy, Charles W. (See Elmore and Joy.)
Joy, Francis B., and C. H. Vogel, assignors to Detroit Heating and Lighting Company, Detroit, Mich. Bunsen burner. No. 1,276,075; Aug. 20; v. 253; p. 541.
Joy, Fred. (See Holmes, George A., assignor.)
Joy, Fred. (See McCormack, George A., assignor.)
Joy, Joseph F., Belle Vernon, Pa. Coal-winning device. No. 1,273,869; July 30; v. 252; p. 988.
Joy, Robert, San Francisco, Cal. Fire and gas defense system. No. 1,277,728; Sept. 3; v. 254; p. 110.
Joyce, Martin W., assignor to John H. Wiemers, Inc., New York, N. Y. Cloth-reel. No. 1,272,672; July 16; v. 252; p. 599.
Joyce, Patrick H., Rushville, Ind. Check-valve. No. 1,275,697; Aug. 13; v. 253; p. 404.
Joyner, Lanson B., St. Cloud, Minn. Internal-combustion engine. No. 1,275,264; Aug. 13; v. 253; p. 285.
Joyner, Olthus L. (See Savage, Luther M., assignor.)
Joyner, Thomas J., St. Cloud, Minn. Ditching-machine. No. 1,261,031; Apr. 2; v. 249; p. 12.
Joyner, William H., East Barnstadt, Ky. Spring-tire. No. 1,277,938; Sept. 3; v. 254; p. 166.
Judd, Charles W., assignor to G. C. Bixby, Lowell, Mass. Lever-press. No. 1,270,620; June 25; v. 251; p. 783.
Judelshon, Oscar I., Brooklyn, N. Y. Strip-winding machine. No. 1,267,080; May 21; v. 250; p. 670.
Judelshon, Oscar I., Brooklyn, N. Y. Protector for transmitting mechanism. No. 1,285,725; Nov. 26; v. 256; p. 693.

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Judkins, Edward S., East Providence, R. I. Carrier for braiding-machines. No. 1,258,781; Mar. 12; v. 248; p. 280.
Judson, Howard W., Long Beach, and H. A. Lowman, Wilmington, assignors of one-half to Sea Products Company, Long Beach, Cal. Harvesting and reduction apparatus for sea-kelp. No. 1,259,456; Mar. 12; v. 248; p. 473.
Judson, Howard W., Long Beach, and H. A. Lowman, Wilmington, assignors of one-half to Sea Products Company, Long Beach, Cal. Kelp-incinerator. No. 1,259,457; Mar. 12; v. 248; p. 474.
Judson L. Thomson Mfg. Co. (See Havener, Arthur R., assignor.)
Judy, Andrew W., assignor of one-third to G. M. Burnett and one-third to D. A. Lee, Centerville, Iowa. Car-wheel. No. 1,266,813; May 21; v. 250; p. 596.
Juengst, Charles A., Croton Falls, N. Y., assignor to American Assembling Machine Company. Variable-speed conveyer. No. 1,271,903; July 9; v. 252; p. 355.
Juengst, Charles A., Croton Falls, N. Y., assignor to American Assembling Machine Company. Delivery mechanism. No. 1,275,988; Aug. 13; v. 253; p. 486.
Juengst, Charles A., Croton Falls, N. Y., assignor to American Assembling Machine Company. Delivery mechanism. No. 1,277,217; Aug. 27; v. 253; p. 889.
Juengst, Charles A., Croton Falls, N. Y., assignor, by mesne assignments, to American Assembling Machine Company. Adhesive-applying device. No. 1,277,939; Sept. 3; v. 254; p. 167.
Juengst, Charles A., Croton Falls, N. Y., assignor to American Assembling Machine Company. Grooving device. No. 1,280,753; Oct. 8; v. 255; p. 203.
Juhasz, John, *et al.* (See Jakab, Mike, assignor.)
Juhl, Fred H. L., Stuttgart, Ark. Scissors attachment. No. 1,251,893; Jan. 1; v. 246; p. 135.
Juhl, Nis A., Chicago, Ill. Weather-strip. No. 1,254,237; Jan. 22; v. 246; p. 892.
Julian-Beggs Signal Company. (See Julian, Hovey, and Clark, assignors.)
Julian, Gideon, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-trimming machine. No. 1,275,564; Aug. 13; v. 253; p. 367.
Julian, Marsena R., Cincinnati, Ohio, M. H. Hovey, Madison, Wis., and T. E. Clark, Detroit, Mich., assignors to Julian-Beggs Signal Company, Terre Haute, Ind. Block-signal system. No. 1,267,771; May 28; v. 250; p. 890.
Julien, Cyprien E. P., and R. Marguerat, Paris, France. Hydraulic lifting device. No. 1,273,618; July 23; v. 252; p. 883.
Julihn, Louis G., Washington, D. C., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and adding machine. No. 1,275,937; Aug. 13; v. 253; p. 470.
Julius, George A., Sydney, New South Wales, Australia. Race-totalizator. No. 1,273,067; July 16; v. 252; p. 709.
Julius, George A., Sydney, New South Wales, Australia. Totalizator. No. 1,280,754; Oct. 8; v. 255; p. 203.
Julius, George A., Sydney, and F. A. Wilkinson, Sans Souci, near Sydney, New South Wales, Australia. Manually-controlled machine for printing and issuing differentiated tickets and recording the issue thereof. No. 1,288,910; Dec. 24; v. 257; p. 762.
Julius Kayser & Co. (See Decker and Scott, assignors.)
Julius King Optical Company. (See King, Frederick W., assignor.)
Julius King Optical Company. (See King, Walter G., assignor.)
Julius Pintsch Aktiengesellschaft. (See Grob, Hugo, assignor.)
Jump, Edwin R., Newton, Mass. Waterproofed material and method of waterproofing. No. 1,256,324; Feb. 12; v. 247; p. 395.
Junek, Frank, Jr., Cable, Wis. Automatic funnel. No. 1,275,565; Aug. 13; v. 253; p. 367.
Jung, Oscar H., Milwaukee, Wis. Cartridge-fuse. No. 1,287,039; Dec. 10; v. 257; p. 244.
Jung, Oscar H., assignor to Arrow Fuse & Mfg. Co., Milwaukee, Wis. Cartridge-fuse. No. 1,275,442; Aug. 13; v. 253; p. 334.
Jungemann, John H., Wolsey, S. D.. Gate-latch. No. 1,264,084; Apr. 23; v. 249; p. 945.
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. No. 1,253,834; Jan. 15; v. 246; p. 758.
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company, Elastic-fluid turbine. No. 1,267,229; May 21; v. 250; p. 713.
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. No. 1,266,872; May 28; v. 250; p. 920.
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Thrust-bearing. No. 1,284,701; Nov. 12; v. 256; p. 356.
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Bearing. No. 1,284,702; Nov. 12; v. 256; p. 356.
Junghans, Arthur, Schramberg, Germany. Weight-operated mechanical time-fuse. No. 1,266,687; May 21; v. 250; p. 562.
Jungjohann, Henry, Davenport, Iowa. Tire-pressure gage. No. 1,261,546; Apr. 2; v. 249; p. 158.
Jungk, Herbert G. (See Siegfried and Jungk.)
Junk, Beecher W., Columbus, Ohio. Milk and cream separator. No. 1,261,403; Apr. 2; v. 249; p. 117.
Junker, Ludwig, Sheffield, Ala. Rivet-gage. No. 1,287,040; Dec. 10; v. 257; p. 245.
Junod, André, New York, N. Y. Attachment for talking-machines. No. 1,259,242; Mar. 12; v. 248; p. 411.
Juntunen, Jacob, Perth, N. D. Coupling No. 1,252,349; Jan. 1; v. 246; p. 261.
Jurdan, James A., Los Angeles, Cal. Saw. No. 1,262,955; Apr. 16; v. 249; p. 612.
Jurgensen, August P., assignor to Eureka Projector Device Co. Inc., New York, N. Y. Optical apparatus. No. 1,273,068; July 16; v. 252; p. 710.
Jurgenson, Louis F., Grand Rapids, Mich. Paper-making machine. No. 1,267,667; May 28; v. 250; p. 860.
Jurkowski, Felix, Chicago, Ill. Macaroni-cooker. No. 1,258,224; Mar. 5; v. 248; p. 80.
Jury, Alfred E., New York, N. Y., assignor to Rubber Regenerating Company. Indicator. No. 1,271,907; July 9; v. 252; p. 355.
Jury, Alfred E., New York, N. Y., assignor to Rubber Regenerating Company. Testing-machine. No. 1,271,908; July 9; v. 252; p. 355.
Jury, Alfred E., New York, N. Y., assignor to National India Rubber Company. Bleaching. No. 1,289,803; Dec. 31; v. 257; p. 1007.
Jury, Wilson U., Shamokin, Pa. Composition of matter for building and structural purposes. No. 1,279,119; Sept. 17; v. 254; p. 537.
Juselius, Erland, Brooklyn, N. Y. Lock. No. 1,275,938; Aug. 13; v. 253; p. 471.
Just, John H., Syracuse, N. Y. Indicator. No. 1,251,670; Jan. 1; v. 246; p. 69.
Justen, Joseph J., Milwaukee, Wis. Air-valve for hoists. No. 1,258,342; Mar. 5; v. 248; p. 114.
Justice, Charles G., assignor of one-half to C. T. Kilgore, Wise, Va. Railway-switch-operating device. No. 1,263,254; Apr. 16; v. 249; p. 696.
Justice, J. F., *et al.* (See Smith, Robert H., assignor.)
Justrite Manufacturing Company. (See Hansen, Augie L., assignor.)
Juten, John A., Gilbert, Minn. Collapsible cot. No. 1,276,539; Aug. 20; v. 253; p. 670.
Jutte, Max E., *et al.* (See Blackwell, Henry F., assignor.)
Juttner, August, Sullivan, Wis. Animal-releasing device. No. 1,252,581; Jan. 8; v. 246; p. 364.
K.-D. Carburetor Company, The (See Kingston, Frank L., assignor.)
K. E. Olson & Son. (See Gentzel, Nils, assignor.)
K. F. & C. Tire & Rubber Corporation. (See Krusemark, Funkhouser, and Carpenter, assignors.)
K. F. & C. Tire & Rubber Corporation. (See Van Ness and Krusemark, assignors.)
K. W. Ignition Company, The. (See Karkau, Albert G., assignor.)
K-W. Ignition Company, The. (See Storrie, William, assignor.)
K. W. Ignition Company, The. (See Williams, Joseph A., assignor.)
K'Burg, Howard E., Cleveland Heights Village, Ohio, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,259,630; Mar. 19; v. 248; p. 554.
Ka Dell, Harold W., Edgeley, N. D. Storage battery. No. 1,276,771; Aug. 27; v. 253; p. 770.
Kaalalii, Mitchell, Honolulu, Hawaii. Combination book-case, chair, and cot. No. 1,286,648; Dec. 3; v. 257; p. 113.
Kabo Corset Co. (See Haderlein, Grace A., assignor.)
Kabo Corset Co. (See Orewiler, Benjamin F., assignor.)
Kabo Corset Co. (See Keller, Herman A., assignor.)
Kačer, Filip. (See Wolff and Kačer.)
Kachur, Frank, Lorain, Ohio. Explosive bomb. No. 1,277,940; Sept. 3; v. 254; p. 167.
Kaddeland, Christen R., Shelton, Conn., assignor, by mesne assignments, to Premier Printing Machinery Co., Boston, Mass. Dual adjusting mechanism for ink-fountains, &c. No. 1,273,498; July 23; v. 252; p. 850.
Kadel, Byers W., Roanoke county, Va. Railway-car. No. 1,255,174; Feb. 5; v. 247; p. 17.
Kadel, Byers W., Roanoke county, Va. Push-pole pocket for railway-cars. No. 1,263,426; Apr. 23; v. 249; p. 765.
Kadel, Byers W., Roanoke county, Va. Railway-car. No 1,263,427; Apr. 23; v. 249; p. 765.
Kadel, Byers W., Roanoke county, Va. Railway-car. No. 1,268,726; June 4; v. 251; p. 186.
Kadel, Byers W., Roanoke county, and J. A. Pilcher, Roanoke, Va. Railway-car. No. 1,268,725; June 4; v. 251; p. 185.
Kading & Kading. (See Maresch, August J., assignor.)
Kadish, Halbert L. (See Kadish, Victor H., assignor.)
Kadish, Victor H., assignor of one-half to H. L. Kadish, Milwaukee, Wis. Recovering fertilizing material from tannery waste liquids. No. 1,269,189; June 11; v. 251; p. 333.
Kadow, August, assignor to The Westlake Machine Company, Toledo, Ohio. Glass-forming machine. No. 1,251,671; Jan. 1; v. 246; p. 69.

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Kadow, August, assignor to The Westlake Machine Company, Toledo, Ohio. Air-controlling mechanism for glass-blowing machines. No. 1,255,317; Feb. 5; vol. 247; p. 57.
Kadow, August, assignor to The Westlake Machine Company, Toledo, Ohio. Machine for making pressed glassware. No. 1,264,085; Apr. 23; v. 249; p. 945.
Kaeding, Fred A., Somers, Mont. Air-check valve. No. 1,281,974; Oct. 15; v. 255; p. 565.
Kaehler, Paul, Berlin, Germany. Telegraphic apparatus. No. 1,273,499; July 23; v. 252; p. 851.
Kaelin, Charles G., Buffalo, N. Y. Vise. No. 1,288,[illegible], Dec. 24; v. 257; p. 691.
Kaempf, Fred E., Gladstone, Mich. Condiment-holder. No. 1,270,418; June 25; v. 251; p. 726.
Kaempf, Fred E., Rockford, Ill. Condiment-holder. No. 1,279,706; Sept. 24; v. 254; p. 723.
Kaempf, Ludwig W., assignor to J. G. Berschert, Aurora, Ill. Flag-holder. No. 1,263,323; Apr. 16; v. 249; p. 714.
Kaeter, Henry, Cincinnati, Ohio. Cylinder-grinder. No. 1,263,559; Apr. 23; v. 249; p. 802.
Kafader, James O., Fort Bidwell, Cal. Fish-screen. No. 1,254,602; Jan. 22; v. 246; p. 997.
Kafader, James O., Fort Bidwell, Cal. Hydraulic motor. No. 1,257,875; Feb. 26; v. 247; p. 920.
Kafafian, Krikor, and G. Esmarian, Paterson, N. J. Vehicle-wheel. No. 1,268,252; June 4; v. 251; p. 51.
Kafer, George W., Trenton, N. J. Insertible joint. No. 1,288,613; Dec. 24; v. 257; p. 691.
Kahl, Herbert F., Markesan, Wis. Clothes-pin. No. 1,260,202; Mar. 19; v. 248; p. 717.
Kahler, Paul F., Chicago, Ill. Photograph-printing frame. No. 1,264,524; Apr. 30; v. 249; p. 1101.
Kahler, Peter, Star City, Ind. Track-transporting jack. No. 1,286,337; Dec. 3; v. 257; p. 37.
Kahn, Anna G., Centerville, Md. Coal-car cover. No. 1,258,576; Mar. 5; v. 248; p. 184.
Kahn, Edward C., Milwaukee, Wis. Liquid-fuel burner. No. 1,254,507; Jan. 22; v. 246; p. 969.
Kahn, Edward C., Milwaukee, Wis. Liquid-fuel burner. No. 1,265,208; May 7; v. 250; p. 94.
Kahn, Edward C., Milwaukee, Wis. Liquid-fuel-burner head. No. 1,265,209; May 7; v. 250; p. 94.
Kahn, Edward C., Milwaukee, Wis. Fluid-fuel burner. No. 1,265,210; May 7; v. 250; p. 94.
Kahn, Edward C., Milwaukee, Wis. Liquid-fuel burner. No. 1,269,190; June 11; v. 251; p. 333.
Kahn, Edward C., Milwaukee, Wis. Liquid-fuel burner. No. 1,269,191; June 11; v. 251; p. 333.
Kahn, Edward C., Milwaukee, Wis. Liquid-fuel burner. No. 1,269,192; June 11; v. 251; p. 334.
Kahn, Isaac T., assignor to The Republic Structural Iron Works Company, Cleveland, Ohio. Concrete-insert. No. 1,280,485; Oct. 1; v. 255; p. 103.
Kahn, Julius, Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Screed. No. 1,262,056; Apr. 9; v. 249; p. 330.
Kahn, Julius, Youngstown, Ohio. Reinforced-concrete building construction. No. 1,285,211; Nov. 19; v. 256; p. 525.
Kahn, Lawrence L., San Francisco, Cal. Means for preserving food. No. 1,256,495; Feb. 12; v. 247; p. 444.
Kahn, Walter D., assignor to Import Sales Company, New York, N. Y. Portable electric light. No. 1,264,525; Apr. 30; v. 249; p. 1101.
Kahne, Michael, New York, N. Y. Stiffening device for soft collars. No. 1,266,274; May 14; v. 250; p. 417.
Kahrs, Henry J. (See Bodri, Christian, assignor.)
Kaier, Edward J., Mahanoy City, Pa. Tank-valve. No. 1,265,670; May 7; v. 250; p. 216.
Kaiser, Adolph C. C., Buffalo, N. Y. Can-vise. No. 1,259,750; Mar. 19; v. 248; p. 588.
Kaiser, August J., and F. C. Peters, assignors to Drew Carrier Company, Waterloo, Wis. Stall-guard. No. 1,252,447; Jan. 8; v. 246; p. 324.
Kaiser, Conrad F., *et al.* (See De Soto, Fred J., assignor.)
Kaiser, Conrad F. (See De Soto, Fredrick J., assignor.)
Kaiser, Edward C., Homewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dash-pot. No. 1,280,755; Oct. 8; v. 255; p. 203.
Kaiser, Gus M., and C. Adler, New York, N. Y. Chair. No. 1,286,338; Dec. 3; v. 257; p. 38.
Kaiser, Henry, Detroit, Mich. Shoe. No. 1,253,496; Jan. 15; v. 246; p. 661.
Kaiser, John A., Detroit, Mich. Detachable rubber heel. No. 1,270,523; June 25; v. 251; p. 756.
Kaiser, Peter, assignor to 103 Degree Incubator Company, Crown Point, Ind. Incubator. No. 1,264,526; Apr. 30; v. 249; p. 1101.
Kaisling, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Switch device. No. 1,257,287; Feb. 19; v. 247; p. 713.
Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. No. 1,258,686; Mar. 12; v. 248; p. 254.
Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. No. 1,262,352; Apr. 9; v. 249; p. 413.
Kaisling, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Signaling-horn. No. 1,267,418; May 28; v. 250; p. 791.
Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Signaling device. No. 1,289,804; Dec. 31; v. 257; p. 1007.
Kaita, Kisel K., Lahaina Main, Hawaii. Sugar-refining apparatus. No. 1,267,419; May 28; v. 250; p. 791.
Kaizumi, Masutaro, Seattle, Wash. Rat-trap. No. 1,257,244; Feb. 19; v. 247; p. 700.
Kaizumi, Masutaro, Seattle, Wash. Shoe. No. 1,277,941; Sept. 3; v. 254; p. 167.
Kakaska, Henry W., Mandan, N. D. Spark-plug intensifier. No. 1,271,037; July 2; v. 252; p. 81.
Kalamazoo Carton Company. (See Sutherland, Louis W., assignor.)
Kalamazoo Corset Company. (See Beardsley, Robert F., assignor.)
Kalamazoo Corset Company. (See Bowman, Charles F., assignor.)
Kalamazoo Loose Leaf Binder Co. (See Rice, Samuel H., assignor.)
Kalamazoo Loose Leaf Binder Co. (See Wigginton, George P., assignor.)
Kalamazoo Stove Company. (See De Lano, Charles B., assignor.)
Kalbach, Samuel E., Reading, Pa. Portable electric hoist. No. 1,277,219; Aug. 27; v. 253; p. 889.
Kalck, Fred R. (See Thereault, Adrien J., assignor.)
Kalfurst, Reinhold, Clementon Heights, N. J. Separable non-slipping attachment for shoes. No. 1,284,703; Nov. 12; v. 256; p. 356.
Kalfus, Sadie E., Berkeley, Cal. Reversible cuff. No. 1,259,872; Mar. 19; v. 248; p. 624.
Kalischer, Georg, Mainkur, near Frankfort-on-the-Main, Germany. Anthraquinone derivative and making same. No. 1,285,726; Nov. 26; v. 256; p. 693.
Kalischer, Georg, Mainkur, near Frankfort-on-the-Main, Germany. Vat color and making same. No. 1,285,727; Nov. 26; v. 256; p. 694.
Kaliski, Emile, Monroe, La. Spring-winding device. No. 1,283,791; Nov. 5; v. 256; p. 92.
Kalisz, Stephen, and I. Spiradek, Chicago, Ill. Mop-wringer. No. 1,263,067; Apr. 16; v. 249; p. 645.
Kall, Gustav, Alexandria Bay, N. Y. Safety-stirrup. No. 1,276,540; Aug. 20; v. 253; p. 670.
Kalla, Alexander, New York, N. Y. Sectional-unit partition. No. 1,264,303; Apr. 30; v. 249; p. 1039.
Kalla, Alexander, New York, N. Y. Sectional-unit partition. No. 1,285,728; Nov. 26; v. 256; p. 694.
Kalle and Company Aktiengesellschaft. (See Schmidt, Maximilian P., assignor.)
Kallenberger, George A., Newark, N. J. Humidor. No. 1,254,603; Jan. 22; v. 246; p. 997.
Kalman, Paul J., St. Paul, Minn. Reinforcing-bar. No. 1,278,079; Sept. 3; v. 254; p. 203.
Kalmanowitz, Jacob, Brooklyn, N. Y. Adjustable window-screen. No. 1,272,271; July 9; v. 252; p. 459.
Kalmus, Comstock & Wescott. (See Comstock, Daniel F., assignor.)
Kalmus, Comstock & Westcott Inc. (See Comstock and Conklin, assignors.)
Kalmus, Comstock & Wescott. (See Willat and Wescott, assignors.)
Kaltenbach, Charles E., Cranford, N. J. Textile fabric. No. 1,270,955; July 2; v. 252; p. 57.
Kaltenbach, Max, Paris, France. Manufacture of sulfurous anhydrid. No. 1,260,681; Mar. 26; v. 248; p. 893.
Kalvin, Louis, New York, N. Y. Eye mechanism for dolls. No. 1,275,698; Aug. 13; v. 253; p. 404.
Kaman, Max, assignor to M. Kaman, Rochester, N. Y. Radiator. No. 1,265,340; May 7; v. 250; p. 127.
Kaman, Minnie. (See Kaman, Max, assignor.)
Kamenstein, Myer. (See Paroly, Isidor, assignor.)
Kamin, Albert A., Chicago, Ill. Knockdown house. No. 1,263,068; Apr. 16; v. 249; p. 645.
Kaminsky, Bennett, Indianapolis, Ind. Drinking-fountain. No. 1,253,251; Jan. 15; v. 246; p. 588.
Kamm, Oliver. (See Adams and Kamm.)
Kammer, Edgar W., assignor to James Manufacturing Company, Fort Atkinson, Wis. Manger-guard for calves and other animals. No. 1,276,541; Aug. 20; v. 253; p. 671.
Kammerdiener, John H., Chicago, Ill. Roselle-pitting machine. No. 1,260,203; Mar. 19; v. 248; p. 718.
Kammerer, George, Taft, Cal. Tool for cutting and removing pipe from wells. No. 1,277,600; Sept. 3; v. 254; p. 74.
Kammerhoff, Henrich H. M., Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Galvanic battery. No. 1,255,536; Feb. 5; v. 247; p. 123.
Kammerhoff, Heinrich H. M., Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Current-supplying apparatus. No. 1,266,814; May 21; v. 250; p. 596.
Kamowski, Stephen, Nanticoke, Pa. Motion-picture apparatus. No. 1,258,226; Mar. 5; v. 248; p. 80.
Kampff, Albert R., New York, N. Y. Thawing device for hydrants. No. 1,253,692; Jan. 15; v. 246; p. 718.
Kamphefner, Thomas, Waldron, Mo. Twine-box top. No. 1,272,456; July 16; v. 252; p. 537.
Kamrass, Harris, New York, N. Y. Air-cushion. No. 1,266,482; May 14; v. 250; p. 472.
Kamrass, Harris, New York, N. Y. Seat-attaching device. No. 1,276,661; Aug. 20; v. 253; p. 704.

Kanall, John M., Port Angeles, assignor of one-third to Kerr & McCord and one-third to M. Earles, Seattle, Wash. Saw. No. 1,254,328; Jan. 22; v. 246; p. 919.
Kanawha Manufacturing Company. (See Davis, Madison T., Jr., assignor.)
Kandler, Edmund, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic-test-lens tray. No. 1,274,557; Aug. 6; v. 253; p. 62.
Kandler, Edmund, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic-test-lens tray. No. 1,285,212; Nov. 19; v. 256; p. 525.
Kandler, Edmund, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic-test-lens tray. No. 1,286,339; Dec. 3; v. 257; p. 38.
Kandler, Edmund, and P. Sachse, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Semi-automatic tray-support. No. 1,272,457; July 16; v. 252; p. 537.
Kane, Catherine J., Arlington, N. J. Curtain-rod for beds. No. 1,270,524; June 25; v. 251; p. 756.
Kane, Edmund J., Chicago, Ill., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis. Electric igniter. No. 1,280,105; Sept. 24; v. 254; p. 836.
Kane, John, and F. J. Couch, Rochester, N. Y., assignors to American Laundry Machinery Co., Cincinnati, Ohio. Treadle mechanism. No. 1,252,582; Jan. 8; v. 246; p. 364.
Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Constructing buildings. No. 1,253,387; Jan. 15; v. 246; p. 630.
Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Roof construction. No. 1,260,391; Mar. 26; v. 248; p. 807.
Kane, Thomas H., Youngstown, Ohio., assignor to Trussed Concrete Steel Company, Detroit, Mich. Hinge for continuous sashes. No. 1,269,939; June 18; v. 251; p. 572.
Kann, William L., trustee. (See Fenchelle, Hugh E., assignor.)
Kann, William L., Pittsburgh, Pa. Apparatus for grinding and smoothing glass. No. 1,269,455; June 11; v. 251; p. 406.
Kannenberg, Baldwin H., River Forest, Ill., assignor to American Can Company, New York, N. Y. Delivery mechanism. No. 1,264,527; Apr. 30; v. 249; p. 1102.
Kanner, Samuel, Bronx, assignor to The Royal Stropper Co., Inc., New York, N. Y. Razor-blade-sharpening machine. No. 1,271,715; July 9; v. 252; p. 303.
Kanner, Samuel, assignor to The Royal Stropper Co., New York, N. Y. Machine for sharpening razor-blades. No. 1,282,849; Oct. 29; v. 255; p. 873.
Kanolt, Clarence W., Washington, D. C. Photographic method and apparatus. No. 1,260,682; Mar. 26; v. 248; p. 894.
Kansas City Folding and Marking Machine Co. (See Barr, John H., assignor.)
Kansas City Gasolene Company, The. (See Wellman, Frank E., assignor.)
Kansas City Hay Press Company, The. (See Sooy, Norman H., assignor.)
Kansaka, Kiyataro, Pasadena, Cal. Vehicle-top. No. 1,253,835; Jan. 15; v. 246; p. 759.
Kanst, Edwin A., Chicago, Ill. Tree-irrigator. No. 1,280,486; Oct. 1; v. 255; p. 103.
Kanta, Joseph. (See Hlavaty, Rudolf F., assignor.)
Kaolin Products Corporation. (See Charlton, Harry W., assignor.)
Kaolin Products Corporation. (See Meadows, Thomas C., assignor.)
Kapadia, Shaporji A., South Kensington, London, England. Process and apparatus for preserving fruits, vegetables, grain, and other organic substances. No. 1,259,410; Mar. 12; v. 248; p. 460.
Kapelman, Felix G., New York, N. Y. Guard for baby-chairs. No. 1,253,044; Jan. 8; v. 246; p. 500.
Kaplan, Ezra, assignor to National Art Novelty Company, Chicago, Ill. Easel-support. No. 1,258,120; Mar. 5; v. 248; p. 50.
Kaplan, Morduch L., Brooklyn, N. Y. Preparing manganese peroxid. No. 1,287,041; Dec. 10; v. 257; p. 245.
Kaplan, Nathan, New York, N. Y. Lavatory-tray and water-mixer. No. 1,259,873; Mar. 19; v. 248; p. 624.
Kaplan, Nathan, New York, N. Y. Cot-bed. No 1,280,042; Sept. 24; v. 254; p. 819.
Kaplan, Nathan, New York, N. Y. Garment-supporter. No. 1,284,704; Nov. 12; v. 256; p. 356.
Kapp, Gisbert, Birmingham, England. Phase-advancer for dynamo-electric machines. No. 1,258,577; Mar. 5; v. 248; p. 184.
Kappel, Charles, Chicago, Ill. Air-draft motor. No. 1,284,705; Nov. 12; v. 256; p. 357.
Karatsu, Tokumitsu, Los Angeles, Cal. Combination percussion-hammer. No. 1,267,554; May 28; v. 250; p. 828.
Karatsu, Tokumitsu, Los Angeles, Cal. Esthesiometer. No. 1,269,820; June 18; v. 251; p. 540.
Karcher, Arthur A., Chicago, Ill., assignor, by mesne assignments, to Upton Machine Company, St. Joseph, Mich. Pop-gun. No. 1,262,956; Apr. 16; v. 249; p. 613.
Kardell, Henry W., St. Louis, Mo., assignor to Kardell Tractor & Truck Company. Traction-plow. No. 1,270,525; June 25; v. 251; p. 756.
Kardell Tractor & Truck Company. (See Kardell, Henry W., assignor.)
Kardos, Michael, Charlottenburg, and P. Nawiasky, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Bluish-green vat dyes and making them. No. 1,253,252; Jan. 15; v. 246; p. 589.
Karhan, August and C. F., assignors of one-third to M. Pilnacek, New York, N. Y. Carcass-splitting machine. No. 1,271,909; July 9; v. 252; p. 356.
Karhan, Charles F. (See Karhan, August and C. F.)
Karkau, Albert G., assignor to The K. W. Ignition Company, Cleveland, Ohio. Impulse-starter. No. 1,264,086; Apr. 23; v. 249; p. 945.
Karl, Gustave, Peoria, Ill. Tire-protector. No. 1,257,361; Feb. 26; v. 247; p. 768.
Karle, John D., Roselle Park, N. J. Detachable handle. No. 1,271,716; July 9; v. 252; p. 303.
Karle, John D., Roselle Park., N. J., assignor to The Singer Manufacturing Company. Lock. No. 1,283,525; Nov. 5; v. 256; p. 23.
Karle, William A. (See Gifford, Cyrus P., assignor.)
Karmen, Bernard H., New York, N. Y. Powder-puff. No. 1,270,739; June 25; v. 251; p. 812.
Karn, Harry W., Pittsburgh, Pa. Artificial limb. No. 1,258,908; Mar. 12; v. 248; p. 317.
Karns, John P., Boulder, Colo. Heading-machine. No. 1,271,321; July 2; v. 252; p. 160.
Karp, Jacob, Brooklyn, N. Y. Water-heater. No. 1,281,388; Oct. 15; v. 255; p. 410.
Karp, Morris, assignor to Passaic Metal Ware Company, Passaic, N. J. Container. No. 1,261,032; Apr. 2; v. 249; p. 12.
Karpel, Joseph A., New York, N. Y. Electric sign-flasher. No. 1,283,206; Oct. 29; v. 255; p. 969.
Karpen, Martin S., and C. Hultgren, assignors to S. Karpen & Bros., Chicago, Ill. Sofa-bed, &c. No. 1,261,547; Apr. 2; v. 249; p. 158.
Karpen, Solomon, and C. Hultgren, assignors to S. Karpen & Bros., Chicago, Ill. Couch-bed or sofa-bed. No. 1,256,325; Feb. 12; v. 247; p. 395.
Karpen, Solomon, assignor to S. Karpen & Bros., Chicago, Ill. Sofa-bed and davenport-bed. No. 1,257,005; Feb. 19; v. 247; p. 631.
Karppinen, Karl, Brisbane, Queensland, assignor of one-half to T. Garrett and P. J. Ure, Brisbane, Australia. Automatic protective device. No. 1,268,014; May 28; v. 250; p. 958.
Karpy, Frank, Cleveland, Ohio. Horseshoe. No. 1,277,219; Aug. 27; v. 253; p. 889.
Karr, Charles D., Holland, Mich. Bed-spring. No. 1,257,610; Feb. 26; v. 247; p. 843.
Karr, Sidney L., Galt, Cal. Cheese-cover. No. 1,254,406; Jan. 22; v. 246; p. 941.
Karshner, Malcom A. *et al.* (See Jasper, Ossed W., assignor.)
Karstedt, George H. (See Hagen and Karstedt.)
Kartzmark, Otto, Jersey City, N. J. Match-safe. No. 1,272,965; July 16; v. 252; p. 682.
Kaser, Harry L., Canton, Ohio. Auxiliary signal. No. 1,262,805; Apr. 16; v. 249; p. 570.
Kashian, Minas H., Amesbury, Mass. Convertible automobile-top. No. 1,274,275; July 30; v. 252; p. 1103.
Kaslaitis, Anthoni, New Haven, Conn. Fuel-igniter. No. 1,274,276; July 30; v. 252; p. 1103.
Kasper, Walter F., assignor to Fairmont Gas Engine & Railway Motor Car Co., Fairmont, Minn. Attachment for binders. No. 1,275,699; Aug. 13; v. 253; p. 404.
Kasprzycki, Stanley, South Holland, Ill., assignor of one-fourth to B. Stankiewicz and one-fourth to A. Wantor, Adena, Ohio. Automobile-wheel. No. 1,266,600; May 21; v. 250; p. 536.
Kass, Peter, Chicago, Ill. Metal step. No. 1,256,905; Feb. 19; v. 247; p. 601.
Kasser, Joseph B. and M., San Francisco, Cal. Life-preserver. No. 1,259,106; Mar. 12; v. 248; p. 375.
Kasser, Morris. (See Kasser, Joseph B. and M.)
Kasser, Morris, San Francisco, Cal. Preserving eggs. No. 1,264,657; Apr. 30; v. 249; p. 1139.
Kassler, Adolph, New York, N. Y. Punching-machine. No. 1,261,033; Apr. 2; v. 249; p. 13.
Kassner, John C., Manitowoc, Wis. Arm-sling. No. 1,266,688; May 21; v. 250; p. 562.
Kast, Edward R., Baltimore, Md., assignor to Kast Insetting and Gathering Machine Company. Signature-gatherer. No. 1,287,334; Dec. 10; v. 257; p. 318.
Kast Insetting and Gathering Machine Company. (See Kast, Edward R., assignor.)
Kaszewski, John A., Chicago, Ill. Milk-bottle-locking device. No. 1,289,805; Dec. 31; v. 257; p. 1008.
Katayana, Hideo, Ashigara Shimo-Gun, Japan. Searchlight reflector. No. 1,282,432; Oct. 22; v. 255; p. 731.
Kattler, Frederick. (See Ewig and Kattler.)
Katzberg, Herman, Prosser, Nebr. Five-horse evener. No. 1,271,910; July 9; v. 252; p. 356.
Katzenberger, Oscar, Chicago, Ill. Bottle-holder. No. 1,288,911; Dec. 24; v. 257; p. 763.
Katzenstein, Aaron, Shreveport, La. Attachment for wind-shields. No. 1,277,083; Aug. 27; v. 253; p. 853.
Katzinger, Sidney C., assignor to Edward Katzinger Co., Chicago, Ill. Dough-cutter. No. 1,253,836; Jan. 15; v. 246; p. 759.

Katzke, Albert, assignor of one-half to B. M. Fisch, Milwaukie, Oreg. Emery-cloth file. No. 1,277,601; Sept. 3; v. 254; p. 74.
Katzprowsky, Samuel, Berkeley, Cal. Treating dried fruit. No. 1,253,045; Jan. 8; v. 246; p. 500.
Kauert, Rudolph, San Diego, Cal. Attachment for umbrellas. No. 1,255,757; Feb. 5; v. 247; p. 186.
Kauffman, Paul C., assignor to Max Kuner Company, Seattle, Wash. Binnacle for marine vessels. No. 1,258,014; Mar. 5; v. 248; p. 19.
Kauffman, Samuel. (See Westerhouse, Lewis, assignor.)
Kaufhold, Bernard, and J. A. Ess, Kimball, Minn. Beet harvester and topping machine. No. 1,257,081; Feb. 19; v. 247; p. 652.
Kaufman, Adam W., Milwaukee, Wis. Utensil-handle. No. 1,263,428; Apr. 23; v. 249; p. 765.
Kaufman, Adolph C., *et al.* (See Smith, Ulysses S., assignor.)
Kaufman, Alfonse, New York, N. Y., assignor, by mesne assignments, to Air Reduction Company, Incorporated. Sodium-cyanid briquet. No. 1,262,057; Apr. 9; v. 249; p. 330.
Kaufman, August F., Wheeling, W. Va. Cord-fastening hook. No. 1,281,584; Oct. 15; v. 255; p. 462.
Kaufman, Frank, assignor of two-thirds to P. N. Engel, Chicago, Ill. Frame of paper or the like. No. 1,262,508; Apr. 9; v. 249; p. 456.
Kaufman, Frank J., Columbus, Ohio., assignor to National Binding Machine Company. Work-holder for the sealing of cartons. No. 1,269,821; June 18; v. 251; p. 541.
Kaufman, Joseph S., Baltimore, Md., assignor to Alliance Production Corporation. Automatic camera-trip. No. 1,260,908; Mar. 26; v. 248; p. 955.
Kaufman, Sydney L., Kittanning, Pa. Type-bar action. No. 1,267,873; May 28; v. 250; p. 920.
Kaufmann, Carl H., Santa Ana, Cal. Belt-guard. No. 1,271,717; July 9; v. 252; p. 304.
Kaufmann, Emil, New York, N. Y. Spring-puttee. No. 1,276,662; Aug. 20; v. 253; p. 704.
Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle-frame. No. 1,277,733; Sept. 3; v. 254; p. 112.
Kaufmann, Waller L., Santa Ana, Cal. Automatic spotlight bracket. No. 1,263,560; Apr. 23; v. 249; p. 802.
Kaufmann, William P. (See Akers and Kaufmann.)
Kaupert, George, Chicago, Ill. Method of filling in hollow cavities in tiles. No. 1,256,803; Feb. 19; v. 247; p. 570.
Kaupert, George, Chicago, Ill. Load-indicator. No. 1,281,389; Oct. 15; v. 255; p. 410.
Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Disk harrow. No. 1,270,299; June 25; v. 251; p. 693.
Kavanagh, Edward H., *et al.* (See Scott, Jacob R., assignor.)
Kavanagh, George L., Montreal, Quebec, Canada. Tire. No. 1,266,127; May 14; v. 250; p. 377.
Kavanagh, George L., Montreal, Quebec, Canada. Process of and apparatus for making vehicle-tires. No. 1,271,579; July 9; v. 252; p. 264.
Kavanaugh, J. F. (See Shaw, Robert S., assignor.)
Kavgas, Nicklaus, New York, and W. K. Zweeres, Brooklyn, N. Y. Butter-dispensing apparatus. No. 1,253,602; Jan. 15; v. 246; p. 691.
Kawakita, Yoshinao, Kamoto-gun, Kumamoto-ken, assignor of one-third to I. Senoo, Okubo-Machi, and one-third to E. Kono, Ushigome-ku, Japan. Electrotherapeutic apparatus. No. 1,278,675; Sept. 10; v. 254; p. 389.
Kawasaki, Goro, Chicago, Ill. Automobile-fender. No. 1,259,523; Mar. 19; v. 248; p. 524.
Kay, Charles H., Los Angeles, and C. F. Hartung, Alhambra, Cal. Spring-clip for storage batteries. No. 1,275,939; Aug. 13; v. 253; p. 471.
Kayanen Company, The. (See Novine, Carl E., assignor.)
Kaye, John A., Saulte Ste. Marie, Ontario, Canada. Mining-drill. No. 1,277,220; Aug. 27; v. 253; p. 889.
Kaye, John A., Sault Ste. Marie, West Ontario, Canada. Parcel-tie clip. No. 1,282,698; Oct. 22; v. 255; p. 803.
Kaye, John A., Sault Ste. Marie, West Ontario, Canada. Berry-picker. No. 1,283,526; Nov. 5; v. 256; p. 23.
Kaye, Samuel, Columbus, Miss. Bottle-filling head. No. 1,260,392; Mar. 26; v. 248; p. 808.
Kaye, Samuel, Columbus, Miss. Feeding means for bottle-capping machines. No. 1,280,487; Oct. 1; v. 255; p. 103.
Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Six-wheel truck. No. 1,288,423; Dec. 17; v. 257; p. 616.
Kaylor, John M., Pendleton, Oreg. Projectile. No. 1,277,942; Sept. 3; v. 254; p. 167.
Kaylor, William, assignor of one-half to H. Drost and one-half to J. A. Echlin, Muskogee, Okla. Brake-applying means. No. 1,288,424; Dec. 17; v. 257; p. 616.
Kayser, Mary L., Tyler, Tex. Bottle-holder. No. 1,286,649; Dec. 3; v. 257; p. 114.
Kazenmaier, August, and E. Bauer, assignors to Firm of R. Bosch, Stuttgart, Germany. Starting apparatus for internal-combustion engines. No. 1,275,940; Aug. 13; v. 253; p. 472.
Kazenmaier, August, and E. Bauer, assignors to Firm of R. Bosch, Stuttgart, Germany. Starting apparatus for internal-combustion engines. No. 1,275,941; Aug. 13; v. 253; p. 472.
Kazmann, Boris, Battle Creek, Mich., assignor to Kellogg Laboratories, Incorporated. Producing alcohol from burnt or roasted starch-bearing materials, &c. No. 1,267,081; May 21; v. 250; p. 671.
Keagle, Fred W., Davis, Ill. Piston-pin bearing. No. 1,281,784; Oct. 15; v. 255; p. 515.
Keagy, Charles O., Altoona, Pa., and J. R. Carmer, Wilmington, Del. Collapsible stake-pocket. No. 1,287,335; Dec. 10; v. 257; p. 318.
Keagy, Clinton D., New Castle, Pa. Disinfecting device. No. 1,253,603; Jan. 15; v. 246; p. 691.
Keahey, Thomas J., *et al.* (See Collings, Herbert L., assignor.)
Keall, Frank B. (See Jerram and Keall.)
Keall, Frank B., Leicester, England. Submarine and other navigable vessel. No. 1,277,943; Sept. 3; v. 254; p. 168.
Keall, Frank B., A. Harrington, and R. W. C. Bassett, Leicester, England, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Combined edge setting and indenting device. No. 1,276,027; Aug. 20; v. 253; p. 527.
Kean, Helen A., and W. Arnold, Hartford, Conn. Convertible bed. No. 1,259,022; Mar. 12; v. 248; p. 351.
Keane, John J., assignor of one-fourth to S. Lazarus and one-fourth to M. C. H. Arendes, St. Louis, Mo. Hose-coupling. No. 1,283,207; Oct. 29; v. 255; p. 970.
Kearney, William J., Des Moines, Iowa. Pliers. No. 1,271,911; July 9; v. 252; p. 356.
Kearns, William, Detroit, Mich., assignor to Morgan & Wright. Reliner and making the same. No. 1,258,121; Mar. 5; v. 248; p. 50.
Kearns, William, Detroit, Mich., assignor to Morgan & Wright. Machine for treating rubber. No. 1,277,729; Sept. 3; v. 254; p. 111.
Kearsley, William K., Jr., Newark, N. J., assignor to General Electric Company. Electric heating device. No. 1,256,571; Feb. 19; v. 247; p. 502.
Keary, John P. (See Margetts, George R., assignor.)
Keast, Ernest, Negaunee, Mich. Excavating-machine. No. 1,260,683; Mar. 26; v. 248; p. 894.
Keating, Henry E. (See Law and Manton, assignors.)
Keating, John B., Oakland, Cal. Line-shaft lubricator. No. 1,253,837; Jan. 15; v. 246; p. 759.
Keating, John B., Oakland, and R. Schorr, San Francisco, assignors to Byron Jackson Iron Works, West Berkeley, Cal. Frame for rotary machinery. No. 1,263,561; Apr. 23; v. 249; p. 802.
Keating, Robert M., Springfield, Mass. Chair. No. 1,263,324; Apr. 16; v. 249; p. 714.
Keating, Robert M., Springfield, Mass. Table or chair foot. No. 1,289,473; Dec. 31; v. 257; p. 927.
Keating, Thomas J., Portland, Oreg. Belt-purse. No. 1,289,186; Dec. 31; v. 257; p. 854.
Keating, Thomas P., *et al.* (See Leehey, Timothy J., assignor.)
Keator, Edward O., Cincinnati, Ohio. Bolt-socket for concrete structures. No. 1,264,189; Apr. 30; v. 249; p. 1007.
Keator, Edward O., Marion, Ind. Rod, rope, and cable clip. No. 1,283,792; Nov. 5; v. 256; p. 92.
Keator, Edward O., Marion, Ind. Rod-clip. No. 1,283,793; Nov. 5; v. 256; p. 92.
Keator, Edward O., Dayton, Ohio. Rope and cable thimble. No. 1,288,021; Dec. 17; v. 257; p. 520.
Keckler, Charles W., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone system. No. 1,251,536; Jan. 1; v. 246; p. 26.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,255,180; Feb. 5; v. 247; p. 19.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,257,362; Feb. 26; v. 247; p. 768.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,257,363; Feb. 26; v. 247; p. 769.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,258,782; Mar. 12; v. 248; p. 281.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,258,783; Mar. 12; v. 248; p. 281.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,263,069; Apr. 16; v. 249; p. 646.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,263,429; Apr. 23; v. 249; p. 766.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,271,322; July 2; v. 252; p. 160.

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Keckler, Charles W., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Service-observing circuit for telephone-lines. No. 1,272,673; July 16; v. 252; p. 599.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,276,772; Aug. 27; v. 253; p. 770.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,279,875; Sept. 24; v. 254; p. 773.
Keckritz, Anton R., Union, Oreg. Spring-governor hitch for plows. No. 1,273,069; July 16; v. 252; p. 710.
Kee, Robert J., Toronto, Ontario, Canada. Life-saving device and appliance. No. 1,281,975; Oct. 15; v. 255; p. 565.
Keech, John E., York, Pa. Piston-ring plier. No. 1,264,304; Apr. 30; v. 249; p. 1039.
Keefer, Samuel H., deceased, Plainfield; Niles-Bement-Pond Company, assignee, Jersey City, N. J. System of motor control. (Reissue.) No. 14,539; Oct. 22; v. 255; p. 809.
Keefer, Samuel H., deceased, Plainfield; Niles-Bement-Pond Company, assignee, Jersey City, N. J. Planer and system of motor control therefor. (Reissue.) No. 14,540; Oct. 22; v. 255; p. 810.
Keefer, Thomas A., assignor, by mesne assignments, to The Dayton Adding Machine and Time Lock Co., Dayton, Ohio. Recording device. No. 1,273,114; July 16; v. 252; p. 721.
Keeler Brass Company. (See Yeo and Wiesman, assignors.)
Keeley, Harry J., Los Angeles, Cal., assignor to Non-Electric Fan Co. Spring-motor. No. 1,258,687; Mar. 12; v. 248; p. 254.
Keeley, Michael E., Chadwicks, N. Y. Swift-brace for reels. No. 1,264,942; May 7; v. 250; p. 19.
Keely, William, Grayburg, Tex. Bending-machine. No. 1,283,794; Nov. 5; v. 256; p. 93.
Keemer, Charles H., Buffalo, N. Y. Safety car-brake. No. 1,267,555; May 28; v. 250; p. 829.
Keen, Eliot, Brooklyn, assignor to W. P. Dunham, New York, N. Y. Apparatus for producing animated drawings. No. 1,260,393; Mar. 26; v. 248; p. 808.
Keen, Jesse C., Whitewood, Va. Tool for watchmakers. No. 1,285,729; Nov. 26; v. 256; p. 695.
Keen, Lewis C., and J. M. Klevan, Philadelphia, Pa. Phonograph-needle. No. 1,270,526; June 25; v. 251; p. 757.
Keenan, James C. and M. H., Toronto, Ontario, Canada. Line-wire connector. No. 1,276,228; Aug. 20; v. 253; p. 583.
Keenan, John A., Crete, Nebr. Starting mechanism for internal-combustion engines. No. 1,262,509; Apr. 9; v. 249; p. 456.
Keenan, Michael H. (See Keenan, James C. and M. H.)
Keenan, Thomas, Brooklyn, N. Y. Automatic feed-water regulator. No. 1,277,602; Sept. 3; v. 254; p. 75.
Keenan, Walter F., Jr., assignor to Power Specialty Company, New York, N. Y. Superheater for marine boilers. No. 1,282,850; Oct. 29; v. 255; p. 873.
Keenan, Walter F., Jr., New York, N. Y., and D. D. Thomas, Baltimore, Md., assignors to Power Specialty Company, New York, N. Y. Superheater for marine boilers. No. 1,282,851; Oct. 29; v. 255; p. 874.
Keene, Alvin D., Schenectady, N. Y., assignor to General Electric Company. Electric-furnace-control apparatus. No. 1,255,613; Feb. 5; v. 247; p. 145.
Keene, Edward S., Agricultural College, N. D. Lettering-pen. No. 1,271,580; July 9; v. 252; p. 264.
Keene, William J., assignor to Chicago Spring Butt Company, Chicago, Ill. Spring-hinge. No. 1,282,588; Oct. 22; v. 255; p. 773.
Kees, Frederick. (See Colburn, Seremus M., assignor.
Kees, Frederick, assignor of one-half to S. M. Colburn, Minneapolis, Minn. Door. No. 1,252,448; Jan. 8; v. 246; p. 324.
Kees, Frederick D., assignor to F. D. Kees Manufacturing Company, Beatrice, Nebr. Calf-weaner. No. 1,268,253; June 4; v. 251; p. 51.
Keesey, John A., Brooklyn, N. Y. Signaling apparatus. No. 1,262,207; Apr. 9; v. 249; p. 373.
Keesey, John A., Brooklyn, N. Y., and A. Shedlock, Cannondale, Conn.; said Shedlock assignor to said Keesey. Signaling apparatus. No. 1,263,678; Apr. 23; v. 249; p. 834.
Keesey, John A., Brooklyn, N. Y., and A. Shedlock, Cannondale, Conn.; said Shedlock assignor to said Keesey. Signaling apparatus. No. 1,280,488; Oct. 1; v. 255; p. 103.
Keesler, Clyde C., assignor to Watson Wagon Company, Canastota, N. Y. Fifth-wheel construction. No. 1,288,425; Dec. 17; v. 257; p. 616.
Keet, Clarence T. (See Parker and Keet.)
Keeton, Ernest E., Lytle, Colo. Antiskidding device for wheel-tires. No. 1,280,489; Oct. 1; v. 255; p. 104.
Keffio, Albert F., assignor to Automatic Button Co., Muscatine, Iowa. Machine for counting buttons. No. 1,266,483; May 14; v. 250; p. 472.
Kehl, Albert E., Toronto, Ontario, Canada. Machine and hand-tap. No. 1,256,138; Feb. 12; v. 247; p. 339.
Kehlmann, Leopold, New York, N. Y. Cigarette-making machine. No. 1,274,168; July 30; v. 252; p. 1072.
Kehoe, Charles S., *et al.*, executors. (See Barratt, William T., assignor.)
Kehoe, John, Seattle, Wash. Forcing the growth of vegetation. No. 1,278,676; Sept. 10; v. 254; p 389.
Kehoe, Thomas J., assignor to The Willys-Overland Company, Toledo, Ohio. Motor-vehicle-door holder. No. 1,275,700; Aug. 13; v. 253; p. 404.
Kehoe, Thomas J., assignor to The Willys-Overland Company, Toledo, Ohio. Motor-vehicle hood. No. 1,282,233; Oct. 22; v. 255; p. 677.
Keidel, George A., Norwood, Ohio. Automatic underfeeder. No. 1,263,430; April 23; v. 249; p. 766.
Keil, Daniel, Sleepy Eye, Minn. Chain-fastener. No. 1,275,265; Aug. 13; v. 253; p. 285.
Keil, John L., Plainview, Nebr. Saw-filing machine. No. 1,264,528; Apr. 30; v. 249; p. 1102.
Keil, Lewis E., assignor to St. Louis Car Company, St. Louis, Mo. Journal-box. No. 1,254,604; Jan. 22; v. 246; p. 998.
Keim, Hubert I., Steelton, Pa. Brick. No. 1,281,976; Oct. 15; v. 255; p. 566.
Keim, Ivan H., Mount Holly, N. J. Resilient vehicle-tire. No. 1,267,230; May 21; v. 250; p. 713.
Keim, Lewis S., Bakersfield, Cal. Curtain-stretcher. No. 1,286,340; Dec. 3; v. 257; p. 38.
Keiner, Henry A., Richmond Hill, and P. Nussbaum, Brooklyn, N. Y., assignors to Keiner-Williams Stamping Company. Safety or blow-off valve. No. 1,269,940; June 18; v. 251; p. 572.
Keiner-Williams Stamping Company. (See Keiner and Nussbaum, assignors.)
Keiper, Frank, *et al.* (See Sears, George H., assignor.)
Keiper, Frank. (See Van Orden, George R., assignor.)
Keiper, Frank, Rochester, assignor of one-half to G. R. Van Orden, Morton, N. Y. Insect-catcher. No. 1,263,562; Apr. 23; v. 249; p. 803.
Keiper, Frank, Rochester, assignor of one-half to G. R. Van Orden, Morton, N. Y. Insect-catcher. No. 1,268,127; June 4; v. 251; p. 17.
Keiper, Henry B. (See Gandee, James, assignor.)
Keiper, Henry B., Lancaster, Pa. Internal-combustion engine. No. 1,263,563; Apr. 23; v. 249; p. 803.
Keiper, Henry B., Lancaster, Pa. End-thrust bearing. No. 1,269,087; June 11; v. 251; p. 306.
Keiser, James W., Faulkton, S. D. Mortise-block puzzle. No. 1,261,242; Apr. 2; v. 249; p. 70.
Keiser, Jan, The Hague, Netherlands. Roller-blind pulley. No. 1,278,801; Sept. 10; v. 254; p. 422.
Keister, Archibald J., Grinnell, assignor of one-half to E. S. Erdice, Keota, Iowa. Artificial bait. No. 1,272,812; July 16; v. 252; p. 639.
Keister, John A., *et al.* (See Baker, William F., assignor.)
Keister, John A., St. Louis, Mo. Valve. No. 1,289,474; Dec. 31; v. 257; p. 927.
Keith, Alexander E., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Automatic party-line telephone-exchange system. No. 1,269,453; June 11; v. 251; p. 405.
Keith, Alexander E., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Telephone exchange system. No. 1,283,413; Oct. 29; v. 255; p. 1024.
Keith, Alexander E., Hinsdale, assignor to Automatic Electric Company, Chicago, Ill. Impulse-transmitter. No. 1,279,352; Sept. 17; v. 254; p. 602.
Keith, Alexander E., Hinsdale, J. Erickson, and C. J. Erickson, Chicago, Ill., assignors to The Strowger Automatic Telephone Exchange. Automatic telephone-exchange. No. 1,286,180; Nov. 26; v. 256; p. 805.
Keith, Fred A., South Poland, Me. Stretcher. No. 1,277,084; Aug. 27; v. 253; p. 853.
Keith, Frederick R., Randolph, Mass. Insole. No. 1,272,966; July 16; v. 252; p. 682.
Keith, George, Sheridan, Ill. Tire-pump. No. 1,265,211; May 7; v. 250; p. 94.
Keith, George W. (See Tuttle and Keith.)
Keith, Gilbert L. (See Christopher, Keith, Allsteadt, Einsel, and Pelander.)
Keith, Irving L. (See Brittain, George E., assignor.)
Keith, Irving L. (See Smith, William F., assignor.)
Keith, John E., assignor to The Novelty Cutlery Company, Canton, Ohio. Churn. No. 1,271,581; July 9; v. 252; p. 265.
Keith, Walter, Stephenville, Tex. Peanut-harvester. No. 1,262,353; Apr. 9; v. 249; p. 414.
Keith, Wayne V. (See Bryant, Horace C., assignor.)
Keithley, Herbert R. (See Oehm and Keithley.)
Keithley, Herbert R., Michigan City, Ind., assignor to Haskell & Baker Car Co. Inc. Draft-arm for railway-cars. No. 1,258,784; Mar. 12; v. 248; p. 281.
Keithley, Herbert R., assignor to A. R. Couden, trustee, Michigan City, Ind. Dump-car. No. 1,271,474; July 2; v. 252; p. 200.
Keithley, Herbert R., Michigan City, Ind., assignor to Haskell & Barker Car Co. Draft-arm for railway-cars. No. 1,282,852; Oct. 29; v. 255; p. 874.
Keithly, James M., Midvale, Idaho. Water-operated motor. No. 1,260,204; Mar. 19; v. 248; p. 718.
Keizer, Fred E., Los Angeles, Cal. Safety attachment for locks. No. 1,277,221; Aug. 27; v. 253; p. 890.
Kelecom, Paul E., Paris, France. Cotter-pin. No. 1,280,756; Oct. 8; v. 255; p. 204.

Kelin, Albert W., Pittsburgh, Pa. Stopper-extractor. No. 1,260,394; Mar. 26; v. 248; p. 808.
Kell, Lester L., St. Louis, Mo. Cord-adjuster. No. 1,272,272; July 9; v. 252; p. 459.
Kell, Lester L., St. Louis, Mo. Swing. No. 1,272,273; July 9; v. 252; p. 459.
Kellar, George E., Los Angeles, Cal., assignor to Kellar-Thomason Company. Pipe-mold. No. 1,278,479; Sept. 10; v. 254; p. 334.
Kellar, James E., Sistersville, W. Va. Combination wall-rack. No. 1,254,508; Jan. 22; v. 246; p. 970.
Kellar-Thomason Company. (See Kellar, George E., assignor.)
Kellar-Thomason Company. (See Thomason, Elmer O., assignor.)
Kelle, Arthur C., Hyde Park, assignor to S. B. Condit, Jr., Brookline, Mass. Straight-line motion. No. 1,282,853; Oct. 29; v. 255; p. 874.
Kelleher, Edmond T. (See Gerke, Braisted, and Kelleher.)
Kelleher, Thomas E., Batavia, assignor to T. W. Snow Construction Company, Chicago, Ill. Stand-pipe. No. 1,280,757; Oct. 8; v. 255; p. 204.
Keller, Andreas R., Melrose Park, Ill. Strainer apparatus. No. 1,272,458; July 16; v. 252; p. 537.
Keller, Audree P., Toledo, Ohio. Filet-crocheting. No. 1,266,951; May 21; v. 250; p. 634.
Keller, Augustus H., Philadelphia, Pa. Vehicle-tire. No. 1,285,730; Nov. 26; v. 256; p. 695.
Keller, Charles G., Poughkeepsie, N. Y. Wrench. No. 1,265,341; May 7; v. 250; p. 128.
Keller, Clarence D., assignor of one-half to R. W. Haserot, Los Angeles, Cal. Wind-shield. No. 1,284,357; Nov. 12; v. 256; p. 271.
Keller, Daniel J., and F. A. Waters, Malden, Mo.; said Waters assignor of one-sixth to said Keller. Gear-shifting mechanism for motor-vehicles. No. 1,276,076; Aug. 20; v. 253; p. 541.
Keller, Daniel W., Hartshorne, Okla. Water-wheel for fishways. No. 1,276,374; Aug. 20; v. 253; p. 625.
Keller, Edwin, Zurich, Switzerland. Lettering-guide. No. 1,285,213; Nov. 19; v. 256; p. 525.
Keller, George M., Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City. Closure. No. 1,276,077; Aug. 20; v. 253; p. 542.
Keller, Gustav, assignor to F. Mintz, Vienna, Austria. Machine for extracting threads from fabrics. No. 1,279,876; Sept. 24; v. 254; p. 774.
Keller, Hans, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing hydrogen. No. 1,286,650; Dec. 3; v. 257; p. 114.
Keller, Henry G., Owasco, Ind. Hog-catching tool. No. 1,272,050; July 9; v. 252; p. 398.
Keller, Herman A., assignor to Kabo Corset Co., Chicago, Ill. Making soft-top corset-stays. No. 1,260,395; Mar. 26; v. 248; p. 809.
Keller, Herman A., assignor to Kabo Corset Co., Chicago, Ill. Button-mounting for garment-supporters. No. 1,272,674; July 16; v. 252; p. 600.
Keller, Herman A., assignor to Kabo Corset Company, Chicago, Ill. Stud member for garter-clasps. No. 1,287,588; Dec. 10; v. 257; p. 380.
Keller, John, Houston, Tex. Sash-lock. No. 1,275,443; Aug. 13; v. 253; p. 334.
Keller, John A., New York, N. Y. Tooth-brush holder. No. 1,262,520; Apr. 9; v. 249; p. 459.
Keller, John H., Iowa City, Iowa. Road-machine. No. 1,253,184; Jan. 8; v. 246; p. 540.
Keller, Leo P. (See Kremer, Alfred, assignor.)
Keller Mechanical Engraving Company. (See Warman, William A., assignor.)
Keller, Thomas H., Lancaster, Pa. Pan cleaning and greasing machine. No. 1,289,475; Dec. 31; v. 257; p. 927.
Kelley, Alexander, assignor to Climax Machine Co., Wilmington, Del. Match-carrier. No. 1,266,952; May 21; v. 250; p. 634.
Kelley, Alexander, assignor to Climax Machine Co., Wilmington, Del. Delivery mechanism for match-machines. No. 1,266,953; May 21; v. 250; p. 635.
Kelley, Benjamin F., Tulsa, Okla., assignor of one-fourth to L. McCollum, one-fourth to D. D. Myers, Tulsa, Okla., and one-fourth to W. K. Hughes, St. Louis, Mo. Rotary grief-collar. No. 1,281,977; Oct. 15; v. 255; p. 566.
Kelley, Charles H., Pittsburgh, Pa. Grease-cup. No. 1,274,558; Aug. 6; v. 253; p. 62.
Kelley, Donald W., Oneida, N. Y. Producing bearing-apertures in trap-springs. No. 1,272,051; July 9; v. 252; p. 398.
Kelley, Edward F., Stratford, assignor to The Raybestos Company, Bridgeport, Conn. Expansion-brake. No. 1,285,214; Nov. 19; v. 256; p. 526.
Kelley, Elbridge G. *et al.* (See Donnelly, Edward F., assignor.)
Kelley, Elias H., New York, N. Y. Feeding mechanism for vending-machines. No. 1,265,788; May 14; v. 250; p. 281.
Kelley, Elias H., New York, N. Y. Vending-machine. No. 1,266,021; May 14; v. 250; p. 346.
Kelley, Elmer J., Algona, Iowa. Repair-stand. No. 1,283,795; Nov. 5; v. 256; p. 93.
Kelley, Eugene L., McKinley, Me. Fish-trough. (Reissue.) No. 14,447; Mar. 26; v. 248; p. 981.
Kelley, George H., Aberdeen, S. D. Storm-window opener. No. 1,255,019; Jan. 29; v. 246; p. 1148.
Kelley, George L., Germantown, and A. H. Miller, Ambler, assignors to the Midvale Steel Company, Philadelphia, Pa. High-speed-cutting-tool alloy. No. 1,258,227; Mar. 5; v. 248; p. 80.
Kelley, Harry, Wilmington, Del. Feed-box for match-making machines. No. 1,266,815; May 21; v. 250; p. 597.
Kelley, Irvin M., Laconia, N. H. Photographic film. No. 1,286,341; Dec. 3; v. 257; p. 38.
Kelley, James T., West Rush, N. Y. Oil-stove attachment. No. 1,268,013; May 28; v. 250; p. 958.
Kelley, Joseph H., West Lake, La. Hose-coupling. No. 1,284,358; Nov. 12; v. 256; p. 271.
Kelley, Margaret, Los Angeles, Cal. Folding-machine for flat work. No. 1,285,731; Nov. 26; v. 256; p. 695.
Kelley, Martin V., trustee. (See Riley, Francis B., assignor.)
Kelley, Matthew, Sault Ste. Marie, Mich. Rail-joint. No. 1,279,707; Sept. 24; v. 254; p. 723.
Kelley, Milo, and E. R. Stevenson, Oakland, Oreg. Power-transmitting mechanism. No. 1,254,809; Jan. 29; v. 246; p. 1088.
Kelley, Ralph F., *et al.* (See Donnelly, Edward F., assignor.)
Kelley, Robert, Bowie, Tex. Drive-belt. No. 1,266,275; May 14; v. 250; p. 417.
Kelley, Sidney E., Westfield, Mass. Game apparatus. No. 1,269,941; June 18; v. 251; p. 573.
Kelley, William V. (See Stevens, Burt D., assignor.)
Kelley, William V. D. (See Raleigh and Kelley.)
Kelley, William V. D., Brooklyn, N. Y., assignor to Prizma, Inc. Coloring photographic images. No. 1,259,411; Mar. 12; v. 248; p. 460.
Kelley, William V. D., Brooklyn, N. Y., assignor to Prizma, Incorporated. Color photography. No. 1,278,161; Sept. 10; v. 254; p. 250.
Kelley, William V. D., Brooklyn, N. Y., assignor to Prizma, Incorporated. Subtractive and additive color photography. No. 1,278,162; Sept. 10; v. 254; p. 251.
Kelling, William B., Salt Lake City, Utah. Humidifier. No. 1,281,390; Oct. 15; v. 255; p. 411.
Kellington, George H., and W. A. Prescott, Decatur, Ill. Water-carbonator. No. 1,280,490; Oct. 1; v. 255; p. 104.
Kellner, Gustav A. H. (See Patterson and Kellner.)
Kellner, Gustav A. H. (See Saegmuller and Kellner.)
Kellner, Gustav A. H., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Holder for trial-lens sets. No. 1,258,417; Mar. 5; v. 248; p. 137.
Kellner, Gustav A. H., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic test-lens set. No. 1,265,671; May 7; v. 250; p. 216.
Kellner, Henry F., Silver Lake, Kans. Silt-accumulator. No. 1,281,021; Oct. 8; v. 255; p. 275.
Kellner, Henry F., Silver Lake, Kans. Jetty construction. No. 1,281,022; Oct. 8; v. 255; p. 276.
Kellogg, Charles A. (See Klingel, Edward L., assignor.)
Kellogg, George W., assignor to Kellogg Manufacturing Company, Rochester, N. Y. Fluid-pump. (Reissue.) No. 14,490; July 2; v. 252; p. 217.
Kellogg, George W., Rochester, N. Y., assignor to Kellogg Manufacturing Company, Rochester, N. Y. Tubing for air-pumps. No. 1,284,359; Nov. 12; v. 256; p. 272.
Kellogg, John B., Orange, N. J. Vacuum-cleaner. No. 1,255,175; Feb. 5; v. 247; p. 18.
Kellogg, John B., Orange, N. J. Wall-receptacle for vacuum cleaning apparatus. No. 1,255,176; Feb. 5; v. 247; p. 18.
Kellogg, John H., Battle Creek, Mich. Electrotherapeutic and exercising apparatus. No. 1,263,431; Apr. 23; v. 249; p. 767.
Kellogg, John H., Battle Creek, Mich. Electrotherapeutical chair. No. 1,279,120; Sept. 17; v. 254; p. 537.
Kellogg Laboratories. (See Kazmann, Boris, assignor.)
Kellogg, Lewis M., Los Angeles, Cal. Mercury-amalgamator. No. 1,278,163; Sept. 10; v. 254; p. 251.
Kellogg, Lillian C., Norwalk, Ohio. Toy. No. 1,284,360; Nov. 12; v. 256; p. 272.
Kellogg Manufacturing Company. (See Kellogg, George W., assignor.) (Reissue.)
Kellogg, Milton M., Elkader, Iowa. Fastening device for wagon end-gates. No. 1,280,491; Oct. 1; v. 255; p. 105.
Kellogg Products. (See Schwarcman, Alexander, assignor.)
Kellogg, Robert E., Madison, Wis. Tractor. No. 1,288,022; Dec. 17; v. 257; p 520.
Kellogg, Shiverick. (See Morris, Willis G., assignor.)
Kellogg Switchboard and Supply Company. (See Carter, Alva J., assignor.)
Kellogg Switchboard & Supply Company. (See Currier, Hiram D., assignor.)
Kellogg Switchboard & Supply Company. (See Currier and Stazak, assignors.)
Kellogg Switchboard & Supply Company. (See Currier, Utter, and Stazak, assignors.)
Kellogg Switchboard & Supply Company. (See Dunbar, Francis W., assignor.)
Kellogg Switchboard & Supply Company. (See Dyson, Alfred H., assignor.)
Kellogg Switchboard and Supply Company. (See Erickson, Lawrence, assignor.)
Kellogg Switchboard and Supply Company. (See Ide, Harry H., assignor.)

Kellogg Switchboard & Supply Company. (See Kaisling, William, assignor.)
Kellogg Switchboard and Supply Company. (See Paterson, Samuel, assignor.)
Kellogg Switchboard & Supply Company. (See Reid, William, assignor.)
Kellogg Switchboard and Supply Company. (See Schoenwolf, Fred, assignor.)
Kellogg Switchboard & Supply Company. (See Smith, Charles H., assignor.)
Kellogg Switchboard & Supply Company. (See Stroud, Harold D., assignor.)
Kellogg Switchboard & Supply Company. (See Tune, Thomas J., assignor.)
Kellogg Switchboard & Supply Company. (See Utter, Richard I., assignor.)
Kellogg Switchboard and Supply Company. (See Webster, Harry G., assignor.)
Kellogg Switchboard & Supply Company. (See Winston, Charles S., assignor.)
Kellogg Toasted Corn Flake Company. (See Lorenzen, Frederick G., assignor.)
Kellogg, William L., *et al.* (See Alquist, Sven P., assignor.)
Kellow, Moses, Penrhyndeudraeth, Wales. Power-driven rock-drill. No. 1,281,391; Oct. 15; v. 255; p. 411.
Kellow, Moses, Penrhyndeudraeth, Wales. Power-driven rock-drill. No. 1,281,785; Oct. 15; v. 255; p. 515.
Kellow, Moses, Penrhyndeudraeth, Wales. Bearing for power-driven rock-drills. No. 1,281,786; Oct. 15; v. 255; p. 515.
Kellow, Moses, Penrhyndeudraeth, Wales. Valve for use in the control of power-driven rock-drills. No. 1,281,787; Oct. 15; v. 255; p. 515.
Kellow, Warren G., Los Angeles, Cal. Doll. No. 1,289,806; Dec. 31; v. 257; p. 1008.
Kellum, Alonzo D., Newbern, N. C. Log-dog. No. 1,252,583; Jan. 8; v. 246; p. 365.
Kellum, Orlando E., Los Angeles, Cal. Continuous phonograph, kinetograph, or the like. No. 1,268,472; June 4; v. 251; p. 115.
Kellum, Orlando E., and A. H. Sweetland, assignors to National Street and Station Indicator Company, Los Angeles, Cal. Indicator-reversing means. No. 1,253,388; Jan. 15; v. 246; p. 631.
Kelly Axe Manufacturing Company, The. (See Kelly, William C., assignor.)
Kelly, Bernerd W., Somerset, Ky. Crude-oil burner. No. 1,284,361; Nov. 12; v. 256; p. 272.
Kelly, Charles. (See Wallace, Samuel T., assignor.)
Kelly, Daniel J., Chicago, Ill. Toy. No. 1,260,205; Mar. 19; v. 248; p. 718.
Kelly, Edwin W. (See Snook and Kelly.)
Kelly, Edwin W., Philadelphia, Pa. Anticathode. No. 1,254,700; Jan. 29; v. 246; p. 1054.
Kelly, Edwin W., Philadelphia, Pa., assignor, by mesne assignments, to Victor Electric Corporation, Chicago, Ill. Method of and apparatus for controlling the resistance of X-ray tubes. No. 1,285,215; Nov. 19; v. 256; p. 526.
Kelly, George B., Jamaica Plain, Mass., assignor to The Aeolian Company. Musical instrument. No. 1,277,944; Sept. 3; v. 254; p. 168.
Kelly, George F., and P. E. Johnson, San Francisco, Cal. Window-lock. No. 1,279,353; Sept. 17; v. 254; p. 602.
Kelly, Grover C., Buffalo, N. Y. Knockdown table and the like. No. 1,269,193; June 11; v. 251; p. 334.
Kelly, Henry D., Kansas City, Mo. Faucet. No. 1,252,702; Jan. 8; v. 246; p. 398.
Kelly, Henry D., Kansas City, Mo. Faucet. No. 1,282,234; Oct. 22; v. 255; p. 678.
Kelly, Henry D., Kansas City, Mo. Self-closing steam-valve. No. 1,282,589; Oct. 22; v. 255; p. 773.
Kelly, Henry D., Kansas City, Mo. Coffee-urn. No. 1,285,732; Nov. 26; v. 256; p. 695.
Kelly, Hugh A., Stratford, N. H. Repair-link. No. 1,254,143; Jan. 22; v. 246; p. 867.
Kelly, Ida, Waco, Tex. Pneumatic pillow. No. 1,262,510; Apr. 9; v. 249; p. 457.
Kelly, James F., Morgan Park, Minn. Automatic conveyer-stop. No. 1,259,524; Mar. 19; v. 248; p. 525.
Kelly, John, Chicago, Ill. Water-closet. No. 1,285,216; Nov. 19; v. 256; p. 526.
Kelly, John B., San Francisco, Cal. Bearing. No. 1,262,208; Apr. 9; v. 249; p. 374.
Kelly, John F., Pittsfield, Mass. Magnet-grouping device for electrical musical instruments. No. 1,256,804; Feb. 19; v. 247; p. 570.
Kelly, John F., Pittsfield, Mass. Expression-controlling means for electrically-operated musical instruments. No. 1,281,392; Oct. 15; v. 255; p. 411.
Kelly, Lawrence, St. Paul, Minn. Hay-spreader for barns. No. 1,283,796; Nov. 5; v. 256; p. 93.
Kelly, Leo I., Detroit, Mich. Generating plant. No. 1,283,797; Nov. 5; v. 256; p. 93.
Kelly, Marcus L., Garfield, Ark. Felly. No. 1,271,038; July 2; v. 252; p. 81.
Kelly, Martin P., Scranton, Pa. Disinfectant-holder. No. 1,269,088; June 11; v. 251; p. 306.
Kelly, Michael J., Ocean View, Cal. Pipe-coupling. No. 1,254,238; Jan. 22; v. 246; p. 892.
Kelly, Patrick J., assignor to P. Becker & Company, Chicago, Ill. Trunk. No. 1,255,318; Feb. 5; v. 247; p. 58.
Kelly, Pierce J., Salt Lake City, Utah. Sheep-branding device. No. 1,281,978; Oct. 15; v. 255; p. 566.
Kelly, Ralph S. (See Talley, Edward F., assignor.)
Kelly, Sherman L., Toledo, Ohio. Electric heating element. No. 1,253,253; Jan. 15; v. 246; p. 589.
Kelly-Springfield Tire Company. (See Hulse, Edison G., assignor.)
Kelly, Thomas C., Cincinnati, Ohio. Drying-machine. No. 1,261,132; Apr. 2; v. 249; p. 40.
Kelly, Thomas D., Southend-on-Sea, England. Projection-screen or the like. No. 1,262,511; Apr. 9; v. 249; p. 457.
Kelly, Thomas D., Hove, England. Cementing material. No. 1,262,512; Apr. 9; v. 249; p. 457.
Kelly, Walter E., Detroit, Mich. Hanger-anchor. No. 1,266,128; May 14; v. 250; p. 377.
Kelly, William, Grand Island, Nebr. Well-point. No. 1,256,906; Feb. 19; v. 247; p. 601.
Kelly, William C., assignor to The Kelly Axe Manufacturing Company, Charleston, W. Va. Scythe. No. 1,279,354; Sept. 17; v. 254; p. 602.
Kelly, William G. (See Conrad and Kelly.)
Kelly, William H., Waltham, Mass. Bracelet-watch attachment. No. 1,260,909; Mar. 26; v. 248; p. 955.
Kelly, William H., Sparks, Nev. Attachment for motion-picture-projecting machines. No. 1,273,070; July 16; v. 252; p. 710.
Kelly, William J., Clinton, Iowa. Supporting device. No. 1,257,611; Feb. 26; v. 247; p. 843.
Kelly, William J., Clinton, Iowa. Sofa-bed. No. 1,270,839; July 2; v. 252; p. 24.
Kelly, William J., Clinton, Iowa. Convertible furniture. No. 1,276,227; Aug. 20; v. 253; p. 583.
Kelly, William J., Clinton, Iowa, assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Cushion-seat and mattress. No. 1,270,840; July 2; v. 252; p. 24.
Kelly, William J., Clinton, Iowa, assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Cushion-spring structure. No. 1,270,841; July 2; v. 252; p. 25.
Kelly, William M. (See Force, William C., assignor.)
Kelsey, Harry S. (See Jaeger, Otto, assignor.)
Kelsey, Hextall H., assignor to N. Malcolmson, London, England. Dyeing. No. 1,254,810; Jan. 29; v. 246; p. 1088.
Kelsey, John, assignor to Kelsey Wheel Company, Inc., Detroit, Mich. Interchangeable split tire-holding rim. No. 1,260,397; Mar. 26; v. 248; p. 809.
Kelsey, Stella. (See Myers, Melvin A., assignor.)
Kelsey Wheel Company. (See Booth, William N., assignor.)
Kelsey Wheel Company. (See Kelsey, John, assignor.)
Kelsey Wheel Company. (See Winter, John R., assignor.)
Kelso, Ralph S. (See Moffatt and Kelso.)
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft-rigging. No. 1,279,708; Sept. 24; v 254; p. 724.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,279,709; Sept. 24; v. 254; p. 724.
Kelso, William R., Vinton, Iowa. Automobile-puller. No. 1,286,342; Dec. 3; v. 257; p. 38.
Kelvinator Corporation. (See Heideman, Fred J., assignor.)
Kelvinator Corporation. (See Yates, Charles E., assignor.)
Kemble, Duston, Lisbon, Ohio. Jet-lift for wells. No. 1,258,418; Mar. 5; v. 248; p. 137.
Kemble, Dustin, Lisbon, Ohio. Rolling-chair. No. 1,262,806; Apr. 16; v. 249; p. 570.
Kemler, Charles. (See Vera, Alfonso G. B., assignor.)
Kemmish, Nathan A., Spokane, Wash. Condensation-meter installation. No. 1,264,087; Apr. 23; v. 249; p. 946.
Kemp, Harry T., Pasadena, Cal. Drawer-sliding device. No. 1,288,912; Dec. 24; v. 257; p. 763.
Kemp, Jacob G., assignor of one-half to M. J. Otey, Stillwater, Okla. Check. No. 1,272,340; July 9; v. 252; p. 479.
Kemp, James F., Manila, Philippine Islands. Vehicle-wheel. No. 1,267,082; May 21; v. 250; p. 671.
Kemp, John M., Des Moines, Iowa. Builder's level and guide. No. 1,251,785; Jan. 1; v. 246; p. 103.
Kemp, John M., Des Moines, Iowa. Mold for cement chimney-sections. No. 1,285,217; Nov. 19; v. 256; p. 526.
Kemp, Nelson J., Le Roy, N. Y. Manure-spreader. No. 1,282,854; Oct. 29; v. 255; p. 874.
Kemp, William E., New York, N. Y. Recording instrument for vehicles. No. 1,255,758; Feb. 5; v. 247; p. 187.
Kemper, Charles G., Tower Hill, Ill. Corn-shocker. No. 1,262,957; Apr. 16; v. 249; p. 613.
Kemper, Charles W. (See Kemper, John T. and C. W.)
Kemper, Charles W. and J. T., Oakland, Cal. Clamp. No. 1,271,912; July 9; v. 252; p. 356.
Kemper, Charles W. and J. T., Oakland, Cal. Steering-wheel hand-warmer. No. 1,276,930; Aug. 27; v. 253; p. 811.
Kemper, George E., assignor to Louck & Hill Co., Richmond, Ind. Furniture-clamp. No. 1,280,758; Oct. 8; v. 255; p. 204.
Kemper, John T. (See Kemper, Charles W. and J. T.)

Kemper, John T. and C. W., Oakland, Cal. Adjustable laboratory gas-burner. No. 1,262,354; Apr. 9; v. 249; p. 414.
Kemper, Joseph, Utica, N. Y. Plastic composition for building purposes. No. 1,257,488; Feb. 26; v. 247; p. 806.
Kemper-Thomas Company, The. (See Henderson, Charles F., assignor.)
Kemper, Virgil A. (See Springer, Ernest C., assignor.)
Kempinski, Albin, Corona, N. Y., assignor of one-half to C. Dietrich. Target. No. 1,269,942; June 18; v. 251; p. 573.
Kempler, Philip, Newburgh, N. Y. Ash-sifter. No. 1,270,166; June 18; v. 251; p. 632.
Kempny, Karl, Cleveland, Ohio. Bullet-proof helmet. No. 1,251,537; Jan. 1; v. 246; p. 27.
Kempny, Karol, Cleveland, Ohio. Trap. No. 1,271,323; July 2; v. 252; p. 161.
Kempny, Karl, Cleveland, Ohio. Armored automobile. No. 1,282,235; Oct. 22; v. 255; p. 678.
Kempsmith Manufacturing Co., The. (See Parsons, Fred A., assignor.)
Kempster, Wallace R., Whiteside county, Ill. Tractor. No. 1,275,566; Aug. 13; v. 253; p. 367.
Kempter, Fritz, Stuttgart, assignor to Cannstatter Misch- und Knetmaschinenfabrik, Cannstatter Dampf-Backofenfabrik Werner & Pfleiderer, Cannstatt, Wurttemberg, Germany. Rubber-mixing machine. No. 1,260,684; Mar. 26; v. 248; p. 894.
Kempthorne, Guy R., Rewey, Wis. Plow-lay holder. No. 1,279,877; Sept. 24; v. 254; p. 774.
Kempton, Willard H. (See Wilson, Kempton, and Bastian.)
Kempton, Willard H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Molded commutator-cylinder. No. 1,284,362; Nov. 12; v. 256; p. 272.
Kempton, Willard H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making tubes. No. 1,284,363; Nov. 12; v. 256; p. 272.
Kempton, Willard H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Forming laminated tubes. No. 1,284,706; Nov. 12; v. 256; p. 357.
Kenan, Dan C. (See Fauver and Kenan.)
Kendall, Allen B., Maywood, Ill. Block-signaling system. No. 1,258,622; Mar. 5; v. 248; p. 197.
Kendall, Allen B., Elizabeth, N. J., assignor to Hall Switch & Signal Co. Selector-relay. No. 1,253,194; Jan. 8; v. 246; p. 543.
Kendall, David, assignor to The Alliance Machine Company, Alliance, Ohio. Slab-charger. No. 1,259,023; Mar. 12; v. 248; p. 352.
Kendall, David, assignor to The Alliance Machine Company, Alliance, Ohio. Pickling apparatus. No. 1,259,024; Mar. 12; v. 248; p. 352.
Kendall, David, assignor to The Alliance Machine Company, Alliance, Ohio. Safety device for forging manipulators. No. 1,281,393; Oct. 15; v. 255; p. 412.
Kendall, David, assignor to The Alliance Machine Company, Alliance, Ohio. Crane mechanism. No. 1,287,336; Dec. 10; v. 257; p. 319.
Kendall, David, assignor to The Alliance Machine Company, Alliance, Ohio. Ingot-stripper. No. 1,288,023; Dec. 17; v. 257; p. 520.
Kendall, Donald S. (See Brown and Kendall.)
Kendall, Edward E., Marshalltown, Iowa. Cooler. No. 1,262,807; Apr. 16; v. 249; p. 571.
Kendig, Julian H., Pittsburgh, Pa. Safety appliance for flying-machines. No. 1,270,419; June 25; v. 251; p. 726.
Kendall, Myron A., assignor to Stephens-Adamson Manufacturing Company, Aurora, Ill. Carrier for belt conveyers. No. 1,284,364; Nov. 12; v. 256; p. 272.
Kendall, Myron A., assignor to Stephens-Adamson Manufacturing Company, Aurora, Ill. Pulley. No. 1,286,343; Dec. 3; v. 257; p. 39.
Kendall, William G., Newark, N. J. Lip-rouge mold. No. 1,286,651; Dec. 3; v. 257; p. 114.
Kendig, Harry D. (See Lehman and Kendig.)
Kendig, Julian H., Pittsburgh, Pa. Safety appliance for flying-machines. No. 1,277,945; Sept. 3; v. 254; p. 168.
Kendig, Julian H., Pittsburgh, Pa. Bracket for electrical apparatus. No. 1,288,024; Dec. 17; v. 257; p. 521.
Kendig, Roscoe B., deceased; V. S. Kendig, executrix, Port Chester, N. Y. Car-truck. No. 1,289,807; Dec. 31; v. 257; p. 1008.
Kendig, Virginia S., executrix. (See Kendig, Roscoe B.)
Kendis, Michael B., Sedalia, Mo. Jewelry-display tray and holder. No. 1,278,354; Sept. 10; v. 254; p. 303.
Kendrick, Arthur B., East Orange, N. J., assignor of one-half to James R. Kendrick Company, Philadelphia, Pa. Abdominal belt. No. 1,274,892; Aug. 6; v. 253; p. 157.
Kendrick, Sterling C., Holtville, Cal. Gate-lifting device. No. 1,259,412; Mar. 12; v. 248; p. 461.
Kendricks, W. H. (See Davidson, Benjamin H., assignor.)
Kener, Edward, Jr., assignor to Buffalo Co-operative Stove Co., Buffalo, N. Y. Refuse-incinerator. No. 1,263,432; Apr. 23; v. 249; p. 767.
Keniston, Joseph E., Albany, Cal. Die-head holder. No. 1,264,088; Apr. 23; v. 249; p. 946.
Kenkel, John, Cheyenne, Wyo. Pot and lid lifter. No. 1,277,946; Sept. 3; v. 254; p. 168.
Kenly, George T., *et al.* (See Henderson, Albert H., assignor.)
Kennedy, Charles J., assignor to Northern Novelty Manufacturing Company, Duluth, Minn. Device for cleaning and drying safety-razor blades. No. 1,281,394; Oct. 15; v. 255; p. 412.
Kennedy, Charles W. (See Wright and Kennedy.)
Kennedy, Charles W., Clarence, Mo. Four-wheel drive mechanism. No. 1,270,167; June 18; v. 251; p. 632.
Kennedy, Charles W., Clarence, assignor of one-half to W. Jackson, Macon, Mo. Four-wheel drive mechanism. No. 1,253,606; Jan. 15; v. 246; p. 692.
Kennedy, Cora M. S., executrix. (See Kennedy, Frederick A.)
Kennedy, David, Guelph, Ontario, Canada. Clean-out for closet-bowls. No. 1,287,042; Dec. 10; v. 257; p. 245.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,266,022; May 14; v. 250; p. 346.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,266,023; May 14; v. 250; p. 347.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,268,578; June 4; v. 251; p. 144.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,271,718; July 9; v. 252; p. 304.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,288,913; Dec. 24; v. 257; p. 763.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,288,914; Dec. 24; v. 257; p. 763.
Kennedy, Frederick A., deceased, Danielson, Conn., C. M. S. Kennedy, executrix, assignor to The General Eclipse Company. Inkstand. No. 1,266,484; May 14; v. 250; p. 473.
Kennedy, George C., Waterloo, Iowa. Marble-shooter. No. 1,266,276; May 14; v. 250; p. 417.
Kennedy, George C., Waterloo, Iowa. Means for varying the areal delivery of rose-heads. No. 1,271,719; July 9; v. 252; p. 304.
Keniston, George I. (See Burns and Keniston.)
Kennedy, Guy. (See Herbert, John, assignor.)
Kennedy, Guy L., Los Angeles, Cal., assignor, by mesne assignments, to Auto Betterment Corporation, Newark, N. J. Carbureter. No. 1,260,980; Mar. 26; v. 248; p. 974.
Kennedy, Harry A., Clearfield, Pa. Silicious fire-brick and making the same. No. 1,260,398; Mar. 26; v. 248; p. 809.
Kennedy, Howard S., and C. M. Connolly, assignors, by mesne assignments, to Cluett, Peabody and Co., Inc., Troy, N. Y. Shirt. No. 1,252,449; Jan. 8; v. 246; p. 325.
Kennedy, James M., Hiram, Ga. Stock-yoke. No. 1,280,234; Oct. 1; v. 255; p. 33.
Kennedy, John D., New Kensington, Pa. Knockdown barrel or keg. No. 1,286,019; Nov. 26; v. 256; p. 767.
Kennedy, John D., New Kensington, Pa. Collapsible barrel. No. 1,286,020; Nov. 26; v. 256; p. 767.
Kennedy, John L. (See Gross, Allan J., assignor.)
Kennedy, Joseph A., assignor to Tubular Woven Fabric Company, Pawtucket, R. I. Conduit for electrical conductors. No. 1,253,046; Jan. 8; v. 246; p. 500.
Kennedy, Joseph E., New York, N. Y. Locking and automatic tightening device for conoidal mounts. No. 1,281,395; Oct. 15; v. 255; p. 412.
Kennedy, Joseph E., New York, N. Y. Means for discharging pulverized material from bins, &c. No. 1,288,025; Dec. 17; v. 257; p. 521.
Kennedy, Julian, Pittsburgh, Pa. Rolling-mill. No. 1,261,548; Apr. 2; v. 249; p. 158.
Kennedy, Julian, Pittsburgh, Pa. Table mechanism for rolling-mills. No. 1,261,549; Apr. 2; v. 249; p. 158.
Kennedy, Julian, Pittsburgh, Pa. Rolling-mill table. No. 1,267,874; May 28; v. 250; p. 920.
Kennedy, Julian, Pittsburgh, Pa. Manipulator for rolling-mills. No. 1,268,579; June 4; v. 251; p. 145.
Kennedy, Julian, Pittsburgh, Pa. Rolling-mill. No. 1,277,947; Sept. 3; v. 254; p. 168.
Kennedy, Julian, Pittsburgh, Pa. Gas-drier. No. 1,280,043; Sept. 24; v. 254; p. 819.
Kennedy, Julian, Pittsburgh, Pa. Rolling-mill. No. 1,284,195; Nov. 5; v. 256; p. 200.
Kennedy, Lawrence F., St. Paul, Minn. Gun-stock. No. 1,266,024; May 14; v. 250; p. 347.
Kennedy, Millard B. (See Kennedy, Verne C. and M. B.)
Kennedy, Patrick, Brooklyn, assignor to Consolidated Railway Electric Lighting and Equipment Co., New York, N. Y. Dynamo suspension on car-trucks. No. 1,269,822; June 18; v. 251; p. 541.
Kennedy, Peter B., and E. L. Morrow, Santa Barbara, Cal.; said Morrow assignor to said Kennedy. Combined land and water vehicle. No. 1,289,808; Dec. 31; v. 257; p. 1008.
Kennedy, Richard O., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collar. No. 1,270,168; June 18; v. 251; p. 633.
Kennedy, Richard W., Los Angeles, Cal. Agriculture implement. No. 1,255,428; Feb. 5; v. 247; p. 91.

Kennedy, Rodney G., Cadillac, Mich. Spoon-holder. No. 1,258,015; Mar. 5; v. 248; p. 20.
Kennedy, Thomas B., *et al.* (See Mitchell, Amos, assignor.)
Kennedy, Thomas R., assignor to Co-Operative Foundry Co., Rochester, N. Y. Gas-burner. No. 1,285,733; Nov. 26; v. 256; p. 696.
Kennedy, Verne C. and M. B., Canton, S. D. Apparatus for treating poles. No. 1,259,025; Mar. 12; v. 248; p. 353.
Kennedy, Walter C. (See Reed and Kennedy.)
Kennedy, Walter C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-control system. No. 1,282,855; Oct. 29; v. 255; p. 875.
Kennedy, Walter J., New York, N. Y. Envelop and letter-paper pad. No. 1,269,610; June 18; v. 251; p. 481.
Kennedy, Walter J., New York, N. Y. Game device. No. 1,279,121; Sept. 17; v. 254; p. 537.
Kennedy, William H. (See Griffing, Charles E., assignor.)
Kennedy, William H., and G. E. Bailey, Los Angeles, Cal., assignors to American Safety Explosives Company. Extracting potash and other values from tobacco. No. 1,253,497; Jan. 15; v. 246; p. 661.
Kennedy, William J., Binghamton, N. Y. Ash-sifter. No. 1,289,187; Dec. 31; v. 257; p. 855.
Kenneweg, Albert H., Brooklyn, N. Y. Latch. No. 1,286,344; Dec. 3; v. 257; p. 39.
Kennelly, Edward F., assignor of one-half to W. J. Sheils, Boston, Mass. Concrete ship-hull. No. 1,267,668; May 28; v. 250; p. 860.
Kenner, Duncan, New Orleans, La. Mop. No. 1,279,355; Sept. 17; v. 254; p. 602.
Kennett, William, and E. T. Krebs, Carson City, Nev. Fuel-briquet. No. 1,273,619; July 23; v. 252; p. 883.
Kenney, Carl L. (See Hurst and Kenney.)
Kenney, Nehemiah J. H., London, England, assignor to Cambrian Artificial Limb Company, Cardiff, South Wales. Artificial limb. No. 1,279,356; Sept. 17; v. 254; p. 603.
Kennicott, Cass L., Chicago Heights, Ill., assignor of one-half to The Permutit Company, New York, N. Y. Water-softening apparatus. No. 1,272,052; July 9; v. 252; p. 398.
Kennicott, Cass L., Chicago Heights, Ill., assignor of one-half to The Permutit Company, New York, N. Y. Means for regulating water-softening apparatus. No. 1,272,053; July 9; v. 252; p. 398.
Kennicott, Cass L., Chicago Heights, Ill., assignor of one-half to The Permutit Company, New York, N. Y. Means for regulating the feed of chemicals in water-softening apparatus. No. 1,272,054; July 9; v. 252; p. 399.
Kenniker, Nicholas O., assignor to Durable Box Co., Chicago, Ill. Fastener for boxes. No. 1,288,026; Dec. 17; v. 257; p. 521.
Kennington, William O. (See McDermott and Kennington.)
Kennington, William O., Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind. Circuit-breaker and distributer unit. No. 1,265,918; May 14; v. 250; p. 318.
Kennington, William O., Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind. Distributer-cap for ignition apparatus. No. 1,268,473; June 4; v. 251; p. 116.
Kennington, William O., Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind. Means for controlling electric circuits. No. 1,273,378; July 23; v. 252; p. 818.
Kenny, Luther T., Hawarden, Iowa. Swinging car-door and hanger. No. 1,265,672; May 7; v. 250; p. 217.
Kenny, Luther T., and S. J. Welch, Hawarden, Iowa. Molding-machine. No. 1,258,344; Mar. 5; v. 248; p. 114.
Kenrick, William J., assignor to Dearborn Motor Truck Company, Chicago, Ill. Automobile. No. 1,261,034; Apr. 2; v. 249; p. 13.
Kenrick, William J., assignor to Dearborn Motor Truck Company, Chicago, Ill. Automobile. No. 1,261,035; Apr. 2; v. 249; p. 13.
Kent, Alexander W., Los Angeles, Cal. Sidewalk and roof construction. No. 1,283,208; Oct. 29; v. 255; p. 970.
Kent, Arthur A. (See Appel, Walter D., assignor.)
Kent, Arthur A., Rosemont, Pa. Vehicle-spring. No. 1,288,915; Dec. 24; v. 257; p. 764.
Kent, Arthur A., Rosemont, Pa. Contact device. No. 1,289,036; Dec. 24; v. 257; p. 792.
Kent, Arthur G., Rochester, N. Y. Clothes-drier. No. 1,260,206; Mar. 19; v. 248; p. 719.
Kent, Bennie and Austin, Redrock, Okla., assignors of one-half to G. Nuzum, White Cloud, Kans. Grain-shocker. No. 1,261,404; Apr. 2; v. 249; p. 117.
Kent, Everett E., *et al.* (See Wolfard, Merl R., assignor.)
Kent, Horace L., Brooklyn, N. Y. Rotary crusher. No. 1,255,319; Feb. 5; v. 247; p. 58.
Kent, John F., Birmingham, Ala. Folding camp-stove. No. 1,283,798; Nov. 5; v. 256; p. 94.
Kent-Owens Machine Company, The. (See Ross, Hugh C., assignor.)
Kentucky Stamping Company. (See Terstegge, Albert L., assignor.)
Kenway, Herbert W., Newton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Eyeleting-machine. No. 1,271,720; July 9; v. 252; p. 304.
Kenworthy, Abel, Waterbury, Conn. Strip blocking or winding machine. No. 1,282,236; Oct. 22; v. 255; p. 678.
Kenworthy, Alvin C., Walla Walla, Wash. Internal-combustion engine. No. 1,282,856; Oct. 29; v. 255; p. 875.
Kenyon, James S., Providence, R. I. Heel-nail. No. 1,257,876; Feb. 26; v. 247; p. 920.
Kenyon, Otis A., New York, N. Y. Electric-arc welding. No. 1,265,342; May 7; v. 250; p. 128.
Kenyon, Otis A., New York, N. Y. Welding-tool. No. 1,287,337; Dec. 10; v. 257; p. 319.
Kenzy, Oscar, Chicago, Ill. Garment. No. 1,265,089; May 7; v. 250; p. 61.
Keogh, William P., Brooklyn, N. Y. Vehicle-wheel. No. 1,281,979; Oct. 15; v. 255; p. 566.
Keon, George E., Verplanck, N. Y. Toilet-case. No. 1,255,537; Feb. 5; v. 247; p. 123.
Keough, Frank, Pawtucket, R. I. Machine for opening, sorting, and cleaning wool. No. 1,259,243; Mar. 12; v. 248; p. 411.
Kepler, Irwin F., Akron, Ohio. Steering-gear lock for motor-vehicles. No. 1,253,498; Jan. 15; v. 246; p. 662.
Keplinger, George B., Chicago, Ill. Marking and shading pen. No. 1,254,701; Jan. 29; v. 246; p. 1055.
Kepner, Everet, Kokomo, Ind. Cotter-pin-extracting tool. No. 1,258,016; Mar. 5; v. 248; p. 20.
Kepp, Russell B., Neoga, Ill. Wheel-rim for pneumatic tires. No. 1,259,108; Mar. 12; v. 248; p. 376.
Keppel, Huldena, St. Louis, Mo. Milk-card holder. No. 1,254,407; Jan. 22; v. 246; p. 941.
Keppel, Wilhelm. (See Aron and Keppel.)
Keppler, Frederick L., New York, N. Y. Condensation-gutter for skylights. No. 1,289,188; Dec. 31; v. 257; p. 855.
Kerekes, John. (See Kovacs, Charles, assignor.)
Kerestes, George A., Pittsburgh, Pa. Moving-picture target apparatus. No. 1,281,169; Oct. 8; v. 255; p. 318.
Kerley, Raymond A., Chicago, Ill. Automatic gas shut-off for cylinder-presses. No. 1,267,420; May 28; v. 250; p. 792.
Kermode, Henry, Polson, Mont. Stove. No. 1,280,235; Oct. 1; v. 255; p. 33.
Kern, Bernard, Sandusky, Ohio. Filter attachment for street-sweepers. No. 1,288,027; Dec. 17; v. 257; p. 522.
Kern, Bernard, Sandusky, Ohio. Street-sweeping machine. No. 1,288,028; Dec. 17; v. 257; p. 522.
Kern, Bernard, Sandusky, Ohio. Street-sweeping machine. No. 1,288,029; Dec. 17; v. 257; p. 523.
Kern, Bernard, Sandusky, Ohio. Street-sweeping machine. No. 1,289,809; Dec. 31; v. 257; p. 1009.
Kern, Bernard, Jr., New York, N. Y. Cleaning streets. No. 1,260,547; Mar. 26; v. 248; p. 853.
Kern, Bernard, Jr., Sandusky, Ohio. Dust-collector. No. 1,288,614; Dec. 24; v. 257; p. 692.
Kern, Frank, New York, N. Y. Vehicle-signal. No. 1,279,550; Sept. 24; v. 254; p. 678.
Kern, Jacob S., assignor to Fleetwood Metal Body Company, Fleetwood, Pa. Latch device for folding doors. No. 1,271,582; July 9; v. 252; p. 265.
Kerndl, Louis F., Lansing, Mich. Combined tire-valve and pressure-governor. No. 1,267,231; May 21; v. 250; p. 713.
Kerner Manufacturing Company. (See Dodds, Ethan I., assignor.)
Kerner Manufacturing Company. (See Frauenheim, Joseph A., assignor.)
Kernohan, John A., Saranac Lake, N. Y. Combined cooling and car-heating system. No. 1,282,590; Oct. 22; v. 255; p. 773.
Kerns, Cecil H. (See Shaw, Frank E., assignor.)
Kerns, Evrand H., Weedsport, N. Y. Wire binder. No. 1,261,036; Apr. 2; v. 249; p. 14.
Kerns, Francis A., Carroll, Iowa. Brake. No. 1,256,699; Feb. 19; v. 247; p. 540.
Kerns, James, assignor to W. S. Dewing, Kalamazoo, Mich. Carbureter. No. 1,288,426; Dec. 17; v. 257; p. 617.
Kerosene Motor Appliance Co. (See Smith, John E., assignor.)
Kerr, Andrew, Belfast, Ireland. Railway and like signaling. No. 1,274,719; Aug. 6; v. 253; p. 109.
Kerr, Charles H., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Pot for the manufacture of plate-glass and making same. No. 1,278,164; Sept. 10; v. 254; p. 252.
Kerr, Clara E. (See Chase, Hoyt W., assignor.)
Kerr, George C., assignor of one-half to W. H. Herrmann, Brainerd, Minn. Refrigerator. No. 1,278,165; Sept. 10; v. 254; p. 252.
Kerr & McCord *et al.* (See Kanall, John M., assignor.)
Kerr, Perry W., Seattle, Wash. Non-refillable bottle. No. 1,269,456; June 11; v. 251; p. 407.
Kerr, Robert C., Reading, Mich. Folding chair. No. 1,257,877; Feb. 26; v. 247; p. 921.
Kerr, William. (See Leech and Kerr.)
Kerr, William, Hebron, Ill. Muffler-cut-out valve. No. 1,282,857; Oct. 29; v. 255; p. 875.
Kerr, William, assignor to The Collis Company, Clinton, Iowa. Beading-tool for boiler-tubes and the like. No. 1,283,799; Nov. 5; v. 256; p. 94.
Kerrigan, Charles F., Brooklyn, N. Y. Closure for collapsible tubes. No. 1,282,591; Oct. 22; v. 255; p. 774.
Kersey, Charles E. (See Fronk and Kersey.)
Kershaw, Grindrod. (See Holt and Kershaw.)

Kershaw, Henry, Kearney, N. J. Flagpole-holder. No. 1,285,218; Nov. 19; v. 256; p. 526.
Kershner, Benjamin V., Boston, Mass., assignor to Union Special Machine Company, Chicago, Ill. Looper-thread-controlling mechanism for sewing-machines. No. 1,285,219; Nov. 19; v. 256; p. 527.
Kerst, Edgar B., Providence, R. I., and H. Bogaty, assignors to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Conveyer. No. 1,288,427; Dec. 17; v. 257; p. 617.
Kerstein, Ernest A., Union, N. J., assignor to American Meter Company, New York, N. Y. Check-valve. No. 1,285,220; Nov. 19; v. 256; p. 527.
Kersten, Jacob, Grand Rapids, Mich. Adjustable dress-form. No. 1,287,043; Dec. 10; v. 257; p. 245.
Kerstetter, Clyde T., Boundbrook, N. J. Combined collar and tie. No. 1,259,244; Mar. 12; v. 248; p. 412.
Kesling, Elmer G., Bloomfield, Mo. Print-titling attachment for film-cameras and method of producing titled negatives. No. 1,270,956; July 2; v. 252; p. 57.
Kesling, Elmer G., Bloomfield, Mo. Inscription means for cameras and method of photographing written inscriptions. No. 1,276,542; Aug 20; v. 253; p. 671.
Kessel, Joseph W., Brooklyn, N. Y. Pen-clip. No. 1,285,734; Nov. 26; v. 256; p. 696.
Kesses, Charles, New York, N. Y. Printing-machine. No. 1,271,913; July 9; v. 252; p. 357.
Kesses, Charles, New York, N. Y. Two-in-one motion-picture projector. No. 1,281,253; Oct. 8; v. 255; p. 341.
Kessler, Clara H., New York, N. Y. Skirt-measure. No. 1,281,396; Oct. 15; v. 255; p. 413.
Kessler, Emil, Brooklyn, N. Y. Toy cannon. No. 1,276,078; Aug. 20; v. 253; p. 542.
Kessler, Emil, Brooklyn, N. Y. Sheet-metal toy. No. 1,277,730; Sept. 3; v. 254; p. 111.
Kessler, Emil, Brooklyn, N. Y., assignor to Nonpareil Toy & Novelty Co., Inc., Newark, N. J. Sheet-metal toy No. 1,288,030; Dec. 17; v. 257; p. 523.
Kessler, John A., Houston, Tex. Cuspidor. No. 1,277,948; Sept. 3; v. 254; p. 169.
Kessler, Joseph P. (See Kessler, Cooper, and Kessler.)
Kessler, Peter J., J. W. Cooper, and J. P. Kessler, Toledo, Ohio. Scrub-brush and window-cleaner. No. 1,259,245; Mar. 12; v. 248; p. 412.
Kestenman, Abraham and C. H., Providence, R. I. Lingerie-clasp. No. 1,252,906; Jan. 8; v. 246; p. 456.
Kestenman, Charles H. (See Kestenman, Abraham and C. H.)
Kester, George I. (See Ruttan and Kester.)
Kester, Marcus, Olney, Ill. Velocipede. No. 1,270,169; June 18; v. 251; p. 633.
Kestler, Fred, Birmingham, Ala. Drop-door construction. No. 1,284,111; Nov. 5; v. 256; p. 179.
Kestner, Paul, Lille, France. Steam-boiler. No. 1,270,621; June 25; v. 251; p. 783.
Kestner, Paul, Paris, France. Reciprocating or rotary pump. No. 1,283,800; Nov. 5; v. 256; p. 94.
Ketch, George W., and F. J. Berger, Portland, Oreg. Cabinet combination ironing-board and breakfast-table. No. 1,273,232; July 23; v. 252; p. 780.
Ketcham, Nathaniel. (See McGregor and Ketcham.)
Ketcherside, J. A., administrator. (See Geerekey, Louis W.)
Ketcherside, John T., Cantwell, Mo. Wrench. No. 1,260,910; Mar. 26; v. 248; p. 955.
Ketchum, Jesse B., Hampshire, Ill. Automobile-axle. No. 1,274,559; Aug. 6; v. 253; p. 62.
Kethley, Jacob D., Munday, Tex. Watchmaker's tool No. 1,252,584; Jan. 8; v. 246; p. 365.
Ketler, William H., Camden, N. J. Cooking and heating attachment for gas-jets. No. 1,271,583; July 9; v. 252; p. 265.
Kettelson, Harry C., Milwaukee, Wis. Roofing-cleat. No. 1,273,500; July 23; v. 252; p. 851.
Ketteman, John E., Toledo, Ohio. Push-button switch. No. 1,269,611; June 18; v. 251; p. 482.
Ketterer, Charles A., East St. Louis, Ill. Refrigerator. No. 1,288,031; Dec. 17; v. 257; p. 523.
Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine starting, lighting, and ignition system. No. 1,254,811; Jan. 29; v. 246; p. 1088.
Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system for combustion-engines. No. 1,255,177; Feb. 5; v. 247; p. 19.
Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. No. 1,272,056; July 9; v. 252; p. 399.
Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Electrical storage system. No. 1,284,707; Nov. 12; v. 256; p. 357.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Ignition system. No. 1,253,389; Jan. 15; v. 246; p. 631.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,258,785; Mar. 12; v. 248; p. 282.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. System of selective electrical distribution. No. 1,259,995; Mar. 19; v. 248; p. 661.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. System of selective electrical distribution. No. 1,264,943; May 7; v. 250; p. 19.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Ignition system. No. 1,265,454; May 7; v. 250; p. 160.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Electrical system for engines. No. 1,272,055; July 9; v. 252; p. 399.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Engine starting device. No. 1,273,870; July 30; v. 252; p. 989.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Engine starting system. No. 1,273,871; July 30; v. 252; p. 989.
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Electric machine. No. 1,284,365; Nov. 12; v. 256; p. 273.
Kettler, Martin F., assignor to Downing Pneumatic Wheel Company, Houston, Tex. Resilient wheel. No. 1,278,677; Sept. 10; v. 254; p. 389.
Kettmann, Gerhard, Manning, Iowa. Harrow attachment for planters. No. 1,263,070; Apr. 16; v. 249; p. 646.
Kettner, Louis H., New Rochelle, N. Y. Device for cleaning boilers. No. 1,261,243; Apr. 2; v. 249; p. 70.
Keus, Henry I. (See Van Swaay and Keus.)
Keviczky, Laszlo V., New York, N. Y. Life-preserver suit. No. 1,289,476; Dec. 31; v. 257; p. 928.
Kevil, Blanche, Covington, Ky. Vehicle-fender. No. 1,282,858; Oct. 29; v. 255; p. 876.
Kewanee Implement Company. (See Glidden, Raymond B., assignor.)
Kewaunee Mfg. Co. (See Campbell, Charles G., assignor.)
Kewaunee Mfg. Co. (See Werwath, Oscar, assignor.)
Key, Howard W. (See Seward and Key.)
Key, Lewis R. (See Brantingham and Key.)
Key Safe Company. (See Rauwald, Joseph, assignor.)
Keyes, Frederick G., Boston, Mass. Refrigerating composition. No. 1,267,772; May 28; v. 250; p. 890.
Keyes, Frederick G., Hoboken, N. J., assignor to National Automatic Refrigerator Company. Refrigeration. No. 1,251,538; Jan. 1; v. 246; p. 27.
Keyes, Frederick G., Boston, Mass., assignor to National Automatic Refrigerator Company. Refrigeration. No. 1,258,017; Mar. 5; v. 248; p. 20.
Keyes, Frederick G., Boston, Mass., assignor to National Automatic Refrigerator Company. Refrigerating-machine. No. 1,277,085; Aug. 27; v. 253; p. 854.
Keyes, Frederick G., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Production of metallic tungsten powder. No. 1,270,842; July 2; v. 252; p. 25.
Keyes, Frederick G., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric lamp. No. 1,270,843; July 2; v. 252; p. 25.
Keyes, Frederick G., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Seal for electric apparatus. No. 1,288,916; Dec. 24; v. 257; p. 764.
Keyes, Lyman G., National Military Home, Kans. Locking-bolt-operating device. No. 1,270,740; June 25; v. 251; p. 812.
Keyoke Railway Equipment Company. (See Murray, George C., assignor.)
Keys, Oscar L., Hazard, Ky. Gate. No. 1,257,082; Feb. 19; v. 247; p. 652.
Keys, Walter C., assignor to Cadillac Motor Car Company, Detroit, Mich. Determining movements. No. 1,285,735; Nov. 26; v. 256; p. 696.
Keys, William A., New York, N. Y. Neckwear. No. 1,252,450; Jan. 8; v. 246; p. 325.
Keystone Steel & Wire Company. (See Bailey, Charles F., assignor.)
Keystone Steel & Wire Company. (See Herman, Joseph, assignor.)
Keystone Type Foundry. (See Rendle, Arthur E., assignor.)
Keyt, Marshall H., Chicago, Ill. Semisolidified hydrocarbon liquid and producing and utilizing the same. No. 1,262,808; Apr. 16; v. 249; p. 571.
Keyzer, Joseph N. M., Lynchburg, Va. Street-cleaning machine. No. 1,255,178; Feb. 5; v. 247; p. 19.
Keyzer, Joseph N. M., Lynchburg, Va. Phonograph cut-off. No. 1,263,433; Apr. 23; v. 249; p. 767.
Khoubesserian, Hagop H., Boston, Mass. Automatic train-stopping apparatus. No. 1,268,727; June 4; v. 251; p. 186.
Kibble, A. E., *et al.* (See Gould, Fred L., assignor.)
Kibby, Ernest J., Emporia, Kans. Grocer's display-cabinet. No. 1,255,759; Feb. 5; v. 247; p. 187.
Kibele, Otto B., San Francisco, Cal. Pumping station. No. 1,263,679; Apr. 23; v. 249; p. 834.
Kibitz, Frank X. (See La Hodny and Kibitz.)
Kick, Edward M., Rochester, N. Y. Printing attachment for paper-wrapping holders. No. 1,282,237; Oct. 22; v. 255; p. 678.
Kicklighter, Charles H., Atlanta, Ga. Apparatus for electric welding. No. 1,252,809; Jan. 8; v. 246; p. 428.

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Kicklighter, Charles H., Pasadena, Cal., assignor to Westinghouse Electric & Manufacturing Company. Voltage-regulator. No. 1,252,451; Jan. 8; v. 246; p. 325.
Kida, Hannosuke, Kobe, Japan. Belt. No. 1,263,564; Apr. 23; v. 249; p. 803.
Kidd, Oscar W. (See Leach, George W., assignor.)
Kidd, William G., Dundee, Scotland. Mount for use in photograph-frames. No. 1,261,133; Apr. 2; v. 249; p. 40.
Kidder, Elwin H., Chicago, Ill. Grain-car-door-opening mechanism. No. 1,268,580; June 4; v. 251; p. 145.
Kidder, Frank W., *et al.* (See Van Meter, John N., assignor.)
Kidder, Henry M., *et al.* (See Cobb, Bayard G., assignor.)
Kidder, Rothesay P. (See Amsden and Kidder.)
Kidder, Wellington H., Roosevelt, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Stand or support for loose-leaf books, &c. No. 1,278,678; Sept. 10; v. 254; p. 390.
Kidder, Wellington P., Jamaica Plain, Mass. Carbureter. No. 1,258,787; Mar. 12; v. 248; p. 282.
Kidder, William E., Kalamazoo, Mich. Folding chair. No. 1,254,329; Jan. 22; v. 246; p. 919.
Kideney, William W., assignor to American Electric Company, Chicago, Ill. Phonograph. No. 1,279,357; Sept. 17; v. 254; p. 603.
Kideney, William W., assignor to American Electric Company, Chicago, Ill. Driving mechanism for phonographs. No. 1,285,221; Nov. 19; v. 256; p. 527.
Kidwell, James A., Cleveland, Ohio. Credit-system cabinet. No. 1,281,788; Oct. 15; v. 255; p. 516.
Kieckhefer Box Company. (See Walker, Emery L., assignor.)
Kiefer, Johann, Charlottenburg, Germany, assignor to General Electric Company. Regulator for motor arc-lamps. No. 1,271,475; July 2; v. 252; p. 201.
Kiefer, Johann, Charlottenburg, Germany, assignor to General Electric Company. Device for actuating signals and the like. No. 1,273,620; July 23; v. 252; p. 883.
Kiefer, Karl, Cincinnati, Ohio. Mounting for conveyer-rollers. No. 1,288,828; Dec. 24; v. 257; p. 743.
Kiefer, Karl Z., Newark, N. J. Safety-signal for vehicles. No. 1,263,902; Apr. 23; v. 249; p. 896.
Kiefer, Otto G., Chicago, Ill. Candy-cutting machine. No. 1,289,810; Dec. 31; v. 257; p. 1009.
Kiehler, Frederick, Detroit, assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Vehicle-top bow-holder. No. 1,269,823; June 18; v. 251; p. 541.
Kiehler, Frederick, assignor to Cadillac Motor Car Company, Detroit, Mich. Vehicle-top support. No. 1,271,039; July 2; v. 252; p. 81.
Kielar, Stanislaw, Milwaukee, Wis. Rail joint and fastener. No. 1,257,083; Feb. 19; v. 247; p. 653.
Kielb, Lawrence, Orleans, Minn. Combined comb and brush. No. 1,274,720; Aug. 6; v. 253; p. 109.
Kies, Mathias, Dubuque, Iowa. Lubricating-spring. No. 1,260,911; Mar. 26; v. 248; p. 956.
Kiesel, William F., Jr., Altoona, Pa. Safety-valve. No. 1,262,355; Apr. 9; v. 249; p. 414.
Kiesel, William F., Jr., Altoona, Pa. Railway-car. No. 1,267,421; May 28; v. 250; p. 792.
Kiesel, William F., Jr., Altoona, Pa. Locking device. No. 1,268,852; June 11; v. 251; p. 240.
Kiesel, William F., Jr., Altoona, Pa. Throttle-valve. No. 1,275,041; Aug. 6; v. 253; p. 199.
Kiesele, John A., Maplewood, N. J. Invalid's back-rest or support. No. 1,274,277; July 30; v. 252; p. 1103.
Kiest, William P., Newdale, Idaho. Trace-carrier. No. 1,253,838; Jan. 15; v. 246; p. 760.
Kietlinski, Felix, Milwaukee, Wis. Screw-driver. No. 1,256,139; Feb. 12; v. 247; p. 339.
Kietlinski, Felix, Milwaukee, Wis. Trolley. No. 1,257,245; Feb. 19; v. 247; p. 700.
Kieves, Philip. (See Mallove, Greenberg, and Kieves.)
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop-motion. No. 1,285,222; Nov. 19; v. 256; p. 527.
Kiger, Edrick N., Plummer, Idaho. Gate and gate-fastening. No. 1,256,805; Feb. 19; v. 247; p. 570.
Kihss, Peter, Brooklyn, N. Y. Gasolene-engine attachment. No. 1,271,324; July 2; v. 252; p. 161.
Kilborn, Karl B., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Ring-core. No. 1,275,942; Aug. 13; v. 253; p. 472.
Kilbourn, William D., Pueblo, Colo., assignor to United States Smelting, Refining & Mining Company. Method of and apparatus for subliming and sintering ores. No. 1,278,166; Sept. 10; v. 254; p. 252.
Kilbourne & Jacobs Manufacturing Company, The. (See Burner, Benbow, and Greene, assignors.)
Kilbourne and Jacobs Manufacturing Company. (See Burner, William L., assignor.)
Kilburn, John E., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car-seat support. No. 1,253,047; Jan. 8; v. 246; p. 500.
Kilby Frog & Switch Company. (See Yolton, Robert E., assignor.)
Kile, Andrew J., Harrisonburg, Va. Incubator-regulator. No. 1,276,543; Aug. 20; v. 253; p. 671.
Kiley, Edward J., Chicago, Ill., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve. No. 1,287,698; Dec. 17; v. 257; p. 439.
Kilgore, Charles F. (See Body, Johnson, Kilgore, and Blevins.)
Kilgore, Charles H., Palmersville, Tenn. Automatic brake. No. 1,254,605; Jan. 22; v. 246; p. 998.
Kilgore, Charles T. (See Justice, Charles G., assignor.)
Kilgore, Frederick O., Somerville, assignor to Spray Primer Company, Boston, Mass. Primer. No. 1,265,919; May 14; v. 250; p. 319.
Kilgore, John G., Dayton, Tex. Drill-bit. No. 1,268,474; June 4; v. 251; p. 116.
Kilgore, Joseph D., Homestead, Pa. Toy cannon. No. 1,258,018; Mar. 5; v. 248; p. 21.
Kilgour, Dwight F., Lexington, Mass. Alarm mechanism. No. 1,288,917; Dec. 24; v. 257; p. 764.
Kilgour, Dwight F., Lexington, Mass. Valve for sprinkler systems. No. 1,288,918; Dec. 24; v. 257; p. 765.
Kilkenny, Thomas R., North Providence, assignor, by mesne assignments, to H. N. Pervear Co., Providence, R. I. Clasp. (Reissue.) No. 14,437; Feb. 26; v. 247; p. 945.
Killeen, William P., Washington, D. C. Concrete floor construction. No. 1,264,089; Apr. 23; v. 249; p. 946.
Killen, Edward B., London, England. Wheel. No. 1,257,489; Feb. 26; v. 247; p. 806.
Killen, Edward B., London, England. Vehicle-wheel. No. 1,279,551; Sept. 24; v. 254; p. 678.
Killen, Edward B., London, England. Spring shock-absorbing device. No. 1,280,236; Oct. 1; v. 255; p. 34.
Killen, Edward B., London, England. Wheel. No. 1,281,170; Oct. 8; v. 255; p. 318.
Killgore, Charles N., *et al.* (See Biggers, Lee P., assignor.)
Killgore, Hiram S., Eldon, Mo. Photographic-film holder. No. 1,269,457; June 11; v. 251; p. 407.
Killgore, Lloyd M., Pittsfield, Mass., assignor to General Electric Company. Magnetic shunt. No. 1,257,246; Feb. 19; v. 247; p. 700.
Killian, August F., Palmyra, N. J. Automatic stocking-length-measuring device for knitting-machines. No. 1,289,811; Dec. 31; v. 257; p. 1009.
Killian, Lawrence J. (See Ogden, Joseph P., assignor.)
Killian, Pius F., Owensboro, Ky. Acetylene-gas generator. No. 1,274,893; Aug. 6; v. 253; p. 157.
Killingsworth, Wilber, Columbus, assignor to The Phinney Engineering Company, Chillicothe, Ohio. Mechanism for feeding string-beans, &c. No. 1,276,375; Aug. 20; v. 253; p. 625.
Killingsworth, Wilbur, assignor to The Chillicothe Bean Snipper Company, Chillicothe, Ohio. Machine for snipping beans and other articles. No. 1,256,023; Feb. 12; v. 247; p. 303.
Killion, Oral L., Fairfield, Iowa. Combination square and protractor. No. 1,255,429; Feb. 5; v. 247; p. 91.
Killman, Samuel H. G., Princess Anne, Md. Entrance-gate for theaters, amusement-parks, and the like. No. 1,264,090; Apr. 23; v. 249; p. 947.
Killman, Thomas A., Nashville, Tenn. Reclining swing. No. 1,266,129; May 14; v. 250; p. 377.
Killy, Sever P., Rhame, N. D. Doll-head. No. 1,255,889; Feb. 12; v. 247; p. 265.
Kilmer, Edward J., Corpus Christi, Tex. Switch. No. 1,285,223; Nov. 19; v. 256; p. 528.
Kilmer, Melvin D., Cleveland, Ohio. Wire-bending device. No. 1,261,550; Apr. 2; v. 249; p. 159.
Kilson, George L., Allison, Iowa. Hat-pin guard. No. 1,258,345; Mar. 5; v. 248; p. 114.
Kimack, Peter, St. Louis, Mo. Combined railway-rail and joint. No. 1,269,714; June 18; v. 251; p. 510.
Kimack, Peter, St. Louis, Mo. Combined rail anticreeper, tie plate, and brace. No. 1,269,715; June 18; v. 251; p. 510.
Kimball, Albert G. (See Waterhouse, Harvey M., assignor.)
Kimball, Harry F. (See Hargett and Kimball.)
Kimball, James L., Virginia, Minn. Steel tie. No. 1,271,040; July 2; v. 252; p. 82.
Kimball, John A., Taylorsville, Ill. Supporting-stand. No. 1,261,551; Apr. 2; v. 249; p. 159.
Kimball, John T., assignor to Hayes Manufacturing Company, Detroit, Mich. Embossing-press. No. 1,268,360; June 4; v. 251; p. 83.
Kimball, Perley L., assignor to The Vermont Farm Machine Company, Bellows Falls, Vt. Device for transferring centrifugal separator-disks. No. 1,264,091; Apr. 23; v. 249; p. 947.
Kimball, William H., trustee. (See Sawyer, Howard D., assignor.)
Kimber, John A., Atlanta, Ga. Gold-panner. No. 1,280,766; Oct. 8; v. 255; p. 207.
Kimber, Walter E., London, England. Lifting truck or trolley. No. 1,260,657; Mar. 26; v. 248; p. 886.
Kimber, Walter E., Harlesden, London, England. Apparatus for charging compressed air with atomized liquids. No. 1,273,501; July 23; v. 252; p. 851.
Kimberly, W. C., *et al.* (See Waite, Charles A., assignor.)
Kimble, Clyde B. (See Cowgill and Kimble.)
Kimble Electric Company. (See Nies, John D., assignor.)
Kimble, Howard, Burlington, N. J. Flooring and sheathing clamp. No. 1,283,209; Oct. 29; v. 255; p. 970.
Kimble, Martin, Wayne, N. J. Front drive for motor-driven vehicles. No. 1,253,839; Jan. 15; v. 246; p. 760.
Kimbler, Henry R., Dallas, Tex. Air-regulating attachment. No. 1,266,130; May 14; v. 250; p. 378.

Kimmell, Edward G. (See Green, Edwin J., assignor.)
Kimmons, William H., Pinon, N. Mex. Automobile-railway. No. 1,264,400; Apr. 30; v. 249; p. 1066.
Kimpitsu Seishi Kabushiki Kaisha, Ltd. (See Kuroki, Shingo, assignor.) (Reissue.)
Kincade, John M., Springfield, Mass. Cemetery-car. No. 1,266,601; May 21; v. 250; p. 536.
Kincaid, Horace L., Athens, Ala. Headlight cut-out. No. 1,283,801; Nov. 5; v. 256; p. 94.
Kincaid, John B., Atlanta, Ga. Lock nut and bolt. No. 1,281,171; Oct. 8; v. 255; p. 318.
Kinchin, Joseph W., Birmingham, and W. Tranter, Northfield, near Birmingham, England. Carbureter. No. 1,280,759; Oct. 8; v. 255; p. 204.
Kindel, Charles J., Wilmette, Ill., assignor to Grand Rapids Trust Company, Grand Rapids, Mich. Sofa-bed. No. 1,270,741; June 25; v. 251; p. 813.
Kindel, Charles J., assignor to Grand Rapids Trust Company, Grand Rapids, Mich. Divanette. No. 1,270,742; June 25; v. 251; p. 813.
Kindel, Charles J., assignor to Grand Rapids Trust Company, Grand Rapids, Mich. Settee-bed. No. 1,270,743; June 25; v. 251; p. 814.
Kinder, Arthur H., Dorchester, assignor to L. C. Chase & Company, Boston, Mass. Weather-shield for vehicles. No. 1,284,366; Nov. 12; v. 256; p. 273.
Kinder, Garrett A., assignor to Royal Worcester Corset Company, Worcester, Mass. Sewing-machine. No. 1,259,996; Mar. 19; v. 248; p. 662.
Kinder, John R., Jr., Ladd, Ill. Solder. No. 1,252,010; Jan. 1; v. 246; p. 167.
Kindt, Charles F., Jenkintown, Pa. Transfer for loose-leaf bindings. No. 1,276,931; Aug. 27; v. 253; p. 812.
Kinealy, John H., Ferguson, Mo. Kerosene-burner. No. 1,271,325; July 2; v. 252; p. 161.
Kinealy, John H., Ferguson, Mo. Spray-head. No. 1,272,274; July 9; v. 252; p. 459.
King, Albert H., and B. Conners, Toledo, Ohio. Damp-proof paint. No. 1,277,425; Sept. 3; v. 254; p. 27.
King, Arthur S., New Hampton, Mo. Means for protecting timer-wires. No. 1,281,172; Oct. 8; v. 255; p. 319.
King, Charles B. (See King, Jacoby, Roush, and Holmes.)
King, Charles B., Detroit, Mich. Automobile construction. No. 1,289,472; Dec. 31; v. 257; p. 926.
King, Charles B., F. Renzenberger, Marion, Ohio, and G. Holmes, Danville, Ill., assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating-machine. No. 1,254,702; Jan. 29; v. 246; p. 1055.
King, Charles B., C. S. Johnson, and B. Jacoby, assignors to The Marion Steam Shovel Company, Marion, Ohio. Clutch mechanism. No. 1,256,572; Feb. 19; v. 247; p. 502.
King, Charles B., B. Jacoby, and H. E. Roush, assignors to The Marion Steam Shovel Company, Marion, Ohio. Steering device for revolving shovels and the like. No. 1,267,422; May 28; v. 250; p. 792.
King, Charlie L., Winston-Salem, N. C. Water-heater. No. 1,288,615; Dec. 24; v. 257; p. 692.
King, Clarence W., assignor to The National Grave Vault Co., Galion, Ohio. Fastening device for the closures of burial-vaults. No. 1,276,932; Aug. 27; v. 253; p. 812.
King, Clifford G., Providence, R. I. Brooch. No. 1,255,890; Feb. 12; v. 247; p. 265.
King, Clifford G., Providence, R. I. Bracelet. No. 1,264,810; Apr. 30; v. 249; p. 1178.
King, Clifford G., Providence, R. I. Chain or bracelet. No. 1,271,041; July 2; v. 252; p. 82.
King, Clifford G., Providence, R. I. Lingerie-clasp. No. 1,280,237; Oct. 1; v. 255; p. 34.
King, Clifford G., Providence, R. I. Bracelet. No. 1,284,903; Nov. 12; v. 256; p. 408.
King, Clifford G., Providence, R. I. Bracelet. No. 1,284,904; Nov. 12; v. 256; p. 408.
King, Clifford G., Providence, R. I. Ornamental member for ear-rings. No. 1,289,189; Dec. 31; v. 257; p. 855.
King & Company, O. E. (See Strong, Sutton, assignor.)
King, De Witt, *et al.* (See Harris, Hubert E., assignor.)
King, Edward, and F. Welsh, Granville, Ohio. Pipe-coupling. No. 1,270,300; June 25; v. 251; p. 694.
King, Elijah N., Hargett, Ky. Switch-rail. No. 1,257,878; Feb. 26; v. 247; p. 921.
King, Ernest J. (See Lillard, William W., assignor.)
King, Frank, Fountain, Colo. Antiskidding device. No. 1,285,224; Nov. 19; v. 256; p. 528.
King, Fred B., Albion, Mich. Trimming-rail for cushion-seats and similar structures. No. 1,275,266; Aug. 13; v. 253; p. 286.
King, Fred B., Albion, Mich. Trim-rail for cushion-seats and other upholstery. No. 1,281,173; Oct. 8; v. 255; p. 319.
King, Frederick B., Bridgeport, Conn. Safety-razor. No. 1,287,338; Dec. 10; v. 257; p. 319.
King, Frederick J. A. (See Moore and King.)
King, Frederick W., New York, N. Y., assignor to Julius King Optical Company. Eye-protecting device. No. 1,285,225; Nov. 19; v. 256; p. 528.
King, George A., Maple Falls, Wash. Steering mechanism for vehicles. No. 1,254,144; Jan. 22; v. 246; p. 867.
King, George E., Newton, assignor to The Gamewell Fire Alarm Telegraph Company, Newton Upper Falls, Mass. Automatic winding mechanism. No. 1,258,909; Mar. 12; v. 248; p. 318.
King, George E., Newton, assignor to The Gamewell Fire Alarm Telegraph Company, Newton Upper Falls, Mass. Winding device. No. 1,269,194; June 11; v. 251; p. 334.
King, George H., and G. Roberts, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Making aluminum chlorid. No. 1,268,015; May 28; v. 250; p. 959.
King, George R. (See Parnell, Charles P., assignor.)
King, George W. and C. B., B. Jacoby, H. E. Roush, Marion Ohio, and G. Holmes, Danville, Ill., assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating-machine. No. 1,280,238; Oct. 1; v. 255; p. 34.
King, Guy, *et al.* (See Harris, Hubert E., assignor.)
King & Hamilton Company. (See Gilman, John H., assignor.)
King, Harry C., Baltimore, Md. Time and pay-roll book. No. 1,279,358; Sept. 17; v. 254; p. 603.
King, Harry O., assignor to Phenix Truck Makers Inc., Chicago, Ill. Bearing-spacer for automobile-truck axles. No. 1,265,090; May 7; v. 250; p. 62.
King, Harry O., assignor to Phenix Truck Makers Inc., Chicago, Ill. Jack-shaft-sprocket bearing for automobile-trucks. No. 1,288,032; Dec. 17; v. 257; p. 523.
King, Isabella M., Bonnie Brae, Richmond Hill, England. Portable folding cooking and heating oven. No. 1,262,209; Apr. 9; v. 249; p. 374.
King, Isabella M., Bonnie Brae, Richmond Hill, England. Portable folding cooking and heating oven. No. 1,262,210; Apr. 9; v. 249; p. 374.
King, Ivan, Los Angeles, Cal. Oven. No. 1,256,907; Feb. 19; v. 247; p. 602.
King, James D., Ellensburg, Wash. Automobile-locking device. No. 1,271,173; July 2; v. 252; p. 119.
King, James T., Toronto, Ontario, Canada. Electrolytic apparatus. No. 1,254,045; Jan. 22; v. 246; p. 837.
King, John E., Detroit, Mich. Grinding and packing coffee. No. 1,263,434; Apr. 23; v. 249; p. 768.
King, John E., Grosse Pointe, Mich. Grinding and packing coffee. (Reissue.) No. 14,520; Sept. 10; v. 254; p. 427.
King, John O., Midway, Pa., assignor to The King Leather Tire Company, Inc., Baltimore, Md. Constructing pneumatic-tire shoes. No. 1,262,513; Apr. 9; v. 249; p. 457.
King, Joseph, Mexico, assignor of one-fourth to G. M. Whitney and one-fourth to W. H. Bauder, New Haven, N. Y. Bean-snipping machine. No. 1,253,254; Jan. 15; v. 246; p. 589.
King, Josephine, assignor of one-fourth to A. J. Waffen, Iron River, Mich. Churn. No. 1,268,728; June 4; v. 251; p. 186.
King Leather Tire Company, The. (See King, John O., assignor.)
King Lock Company, The. (See Baird, Edward P., assignor.)
King Lock Company, The. (See Christoph, Emil A., assignor.)
King, Matthew L., Bradley, Ill. Form for masonry structures. No. 1,253,981; Jan. 15; v. 246; p. 798.
King, Ralph W., The Dalles, assignor to Pacific Evaporator Company, Portland, Oreg. Preparing evaporated vegetables. No. 1,259,631; Mar. 19; v. 248; p. 554.
King, Ralph W., The Dalles, assignor to Pacific Evaporator Company, Portland, Oreg. Preparing evaporated vegetables. No. 1,259,632; Mar. 19; v. 248; p. 555.
King, Ralph W., The Dalles, assignor to Pacific Evaporator Company, Portland, Oreg. Preparing evaporated fruit. No. 1,259,633; Mar. 19; v. 248; p. 555.
King, Ralph W., The Dalles, assignor to Pacific Evaporator Company, Portland, Oreg. Preparing evaporated apples. No. 1,259,634; Mar. 19; v. 248; p. 555.
King, Ralph W., The Dalles, Oreg., assignor to Pacific Evaporator Company. Evaporated vegetable product. No. 1,259,635; Mar. 19; v. 248; p. 555.
King, Ralph W., The Dalles, Oreg., assignor to Pacific Evaporator Company. Evaporated apples. No. 1,259,636; Mar. 19; v. 248; p. 555.
King, Ralph W., The Dalles, Oreg., assignor to Pacific Evaporator Company. Evaporated fruits. No. 1,259,637; Mar. 19; v. 248; p. 555.
King, Ralph W., and H. G. Miller, The Dalles, Oreg.; said King assignor to said Miller. Evaporator. No. 1,254,606; Jan. 22; v. 246; p. 999.
King, Robert M., Wauneta, Nebr. Automatic gate. No. 1,274,278; July 30; v. 252; p. 1103.
King, Roy D., assignor to Coin Controlled Lock Company, Chicago, Ill. Coin-controlled lock. No. 1,283,802; Nov. 5; v. 256; p. 95.
King, Rufus, Plainville, assignor to Bugbee and Niles Co., North Attleboro, Mass. Clasp for straps or ribbons. No. 1,272,675; July 16; v. 252; p. 600.
King, Samuel R., Glenbrook, Conn. Light-dimming eye-protector. No. 1,255,430; Feb. 5; v. 247; p. 92.
King, Spurgeon, *et al.* (See Harris, Hubert E., assignor.)
King, Thomas E., Frances, Wash. Fish-hook. No. 1,264,658; Apr. 30; v. 249; p. 1139.
King, Verness, Franklinville, N. Y. Grass-guard for mowers. No. 1,256,700; Feb. 19; v. 247; p. 541.
King, Victor L., West Point, Miss. Refrigerating and hardening cabinet. No. 1,269,716; June 18; v. 251; p. 511.

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King, Walter G., New York, N. Y., assignor to Julius King Optical Company. Eye-protecting goggles. No. 1,285,226; Nov. 19; v. 256; p. 528.
King, Warren C., and R. P. Stevens, East San Pedro, Cal. Can lifter and holder. No. 1,260,685; Mar. 26; v. 248; p. 895.
King, William B., Boston, Mass. Gas-burner. No. 1,253,604; Jan. 15; v. 246; p. 691.
King, William M. (See Wright, Rink, assignor.)
King, Willis R., assignor to The Hanson & Van Winkle Company, Newark, N. J. Mechanical plating-machine. No. 1,254,046; Jan. 22; v. 246; p. 838.
Kinghan, Allen, Hoquiam, Wash. Letter or package tying device. No. 1,277,731; Sept. 3; v. 254; p. 111.
Kinghan, Frederick A., assignor of one-third to W. Black, Renwick, Iowa. Equalizer for sliding doors, drawers, or the like. No. 1,274,279; July 30; v. 252; p. 1104.
Kinghan, Steven A., Renwick, Iowa. Package-tie. No. 1,262,514; Apr. 9; v. 249; p. 458.
Kinghorn, George, Rockyhill, Conn. Pocket door-lock. No. 1,266,689; May 21; v. 250; p. 562.
Kingsbacher, Alvin, and W. W. Macfarren, Pittsburgh, Pa. Shuttle-box for looms. No. 1,275,701; Aug. 13; v. 253; p. 405.
Kingsbery, Albert E., Memphis, Tenn. Auto-fender. No. 1,261,552; Apr. 2; v. 249; p. 159.
Kingsbury, Albert. (See Howarth, Harry A. S., assignor.)
Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,260,548; Mar. 26; v. 248; p. 853.
Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,260,686; Mar. 26; v. 248; p. 895.
Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,270,622; June 25; v. 251; p. 784.
Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,289,048; Dec. 24; v. 257; p. 796.
Kingsbury, Edward J. (See Kingsbury, Harry T. and E. J.)
Kingsbury, Edward J., Keene, N. H. Toy cannon. No. 1,279,122; Sept. 17; v. 254; p. 537.
Kingsbury, Fred A., Boonville, N. Y. Vegetable-slicing machine. No. 1,260,399; Mar. 19; v. 248; p. 809.
Kingsbury Gas-Electric Motor Car Company. (See Kingsbury, John M., assignor.)
Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,255,891; Feb. 12; v. 247; p. 265.
Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,263,071; Apr. 16; v. 249; p. 646.
Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,263,773; Apr. 23; v. 249; p. 858.
Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,265,343; May 7; v. 250; p. 129.
Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,265,344; May 7; v. 250; p. 129.
Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,271,723; July 9; v. 252; p. 305.
Kingsbury, Harry T., Keene, N. H. Toy railway passenger-coach. No. 1,256,326; Feb. 12; v. 247; p. 395.
Kingsbury, Harry T. and E. J., Keene, N. H. Aquatic toy. No. 1,268,016; May 28; v. 250; p. 959.
Kingsbury, Harry T. and E. J., Keene, N. H. Talking-machine. No. 1,269,089; June 11; v. 251; p. 306.
Kingsbury, John M., New York, N. Y. Electromagnetic valve. No. 1,270,170; June 18; v. 251; p. 633.
Kingsbury, John M., assignor to Kingsbury Gas-Electric Motor Car Company, Great Falls, Mont. Electric-vehicle wheel. No. 1,270,420; June 25; v. 251; p. 727.
Kingsbury, John M., assignor to Kingsbury Gas-Electric Motor Company, Great Falls, Mont. Electric-vehicle construction. No. 1,270,421; June 25; v. 251; p. 727.
Kingsbury, John M., assignor to Kingsbury Gas-Electric Motor Car Company, Great Falls, Mont. Electric-vehicle wheel. No. 1,270,527; June 25; v. 251; p. 757.
Kingsley, William, Far Rockaway, N. Y. Hammer. No. 1,262,515; Apr. 9; v. 249; p. 458.
Kingston, Frank L., assignor to The K.-D. Carburetor Company, Cleveland, Ohio. Making sheet-metal balls. No. 1,266,485; May 14; v. 250; p. 473.
Kinnane, Aloysius J., Knoxville, Tenn. Boiler-flue ferrule. No. 1,252,585; Jan. 8; v. 246; p. 365.
Kinnard, Frank M., assignor of one-half to C. L. Sebring, Sebring, Ohio. Stove-room for potteries. No. 1,265,091; May 7; v. 250; p. 62.
Kinnard, Robert M., Trenton, N. J. Toy. No. 1,282,433; Oct. 22; v. 255; p. 731.
Kinnear Manufacturing Company, The. (See Brunst, William M., assignor.)
Kinnear Manufacturing Company, The. (See McCloud, Edward H., assignor.)
Kinnear Manufacturing Company, The. (See Rosenberg, Ralph H., assignor.)
Kinnear, Robert I., Clydebank, Scotland. Gland. No. 1,268,978; June 11; v. 251; p. 275.
Kinney, Charles, assignor of one-third to P. S. Palmer, Spokane, Wash. Power-transmission device. No. 1,257,490; Feb. 26; v. 247; p. 806.
Kinney, Herman B., assignor to Leake Motor Fuel Economy Company, San Francisco, Cal. Attachment for internal-combustion engines. No. 1,258,910; Mar. 12; v. 248; p. 318.
Kinney, Israel, Los Angeles, Cal., assignor to S. D. MacKinnon. Mechanical-movement exerciser. No. 1,283,210; Oct. 29; v. 255; p. 970.
Kinney, John J. (See Troxel, Harvey H., assignor.)
Kinney, Justus R., Allston, Mass. Power-transmission device. No. 1,272,813; July 16; v. 252; p. 639.
Kinney, Justus R., Allston, Mass. Fluid-clutch. No. 1,272,814; July 16; v. 252; p. 640.
Kinney, Otto C., Indianapolis, Ind. Noiseless swing-support. No. 1,285,227; Nov. 19; v. 256; p. 529.
Kinney, William A., Philadelphia, Pa. Burner. No. 1,289,812; Dec. 31; v. 257; p. 1010.
Kinney, William A., and J. F. Straitz, Philadelphia, Pa. Oil-burner. No. 1,277,320; Aug. 27; v. 253; p. 914.
Kinnie, Clarence R., Wolfville, Nova Scotia, Canada. Cooking utensil. No. 1,266,816; May 21; v. 250; p. 597.
Kinnison, Charles S., Birmingham, Mich. Bonding kieselguhr powder and product thereof. No. 1,259,525; Mar. 19; v. 248; p. 525.
Kinnison, Martin L., Haskell, Tex. Casket-support. No. 1,261,244; Apr. 2; v. 249; p. 71.
Kinsel, A. J., *et al.* (See Speasl, George A., assignor.)
Kinsel, George, *et al.* (See Speasl, George A., assignor.)
Kinsella, Paul W. (See Giles and Kinsella.)
Kinsey, Clarence Y., Gladstone, N. J. Clothes-line holder. No. 1,263,680; Apr. 23; v. 249; p. 835.
Kinsler-Bennett Company, The. (See Kinsler, George B., assignor.)
Kinsler, George B., assignor to The Kinsler-Bennett Company, Hartford, Conn. Universal joint. No. 1,263,774; Apr. 23; v. 249; p. 859.
Kinsley, William S., Reading, assignor to The Russell Company, Boston, Mass. Cleaner for fibrous stock. No. 1,256,573; Feb. 19; v. 247; p. 503.
Kinsman, Clarence W., New York, N. Y. Combined driving and braking device for vehicles. No. 1,285,736; Nov. 26; v. 256; p. 696.
Kinsman, Clarence W., New York, N. Y. Adjustable mirror. No. 1,287,699; Dec. 17; v. 257; p. 439.
Kinsman, Frank E., Leominster, Mass. Hulling-machine. No. 1,287,044; Dec. 10; v. 257; p. 245.
Kintz, John, Sublimity, Oreg. Combined grader and drag. No. 1,285,228; Nov. 19; v. 256; p. 529.
Kintzel, Walter A., Warsaw, Ind. Seesaw. No. 1,258,578; Mar. 5; v. 248; p. 184.
Kintzele, Julius H. (See Schuette and Kintzele.)
Kintzing, Reese T., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,283,211; Oct. 29; vol 255; p. 971.
Kinyon, Alonzo G., assignor to Powdered Coal Engineering & Equipment Company, Chicago, Ill. Conveyer for comminuted material. No. 1,258,911; Mar. 12; v. 248; p. 318.
Kinyon, Alonzo G., and A. I. Jacobs, assignors to Powdered Coal Engineering & Equipment Company, Chicago, Ill. Apparatus for mixing finely divided material and air. No. 1,258,912; Mar. 12; v. 248; p. 319.
Kinyoun, Earl L., and A. A. Armour, Dayton, Ohio. Quadruple-laced wire wheel. No. 1,281,789; Oct. 15; v. 255; p. 516.
Kip, Frederic E., Montclair, and E. P. Ford, Morristown, N. J., assignors to The Duratex Company, Newark, N. J. Fabric-coating apparatus. No. 1,280,492; Oct. 1; v. 255; p. 105.
Kipniss, Abraham, and M. P. Neumann, assignors to B. Markowitz, New York, N. Y. Machine for making metal binding for suit cases. No. 1,278,167; Sept. 10; v. 254; p. 252.
Kipper, Herman B., Muskegon, Mich. Purifying crude benzol. No. 1,253,048; Jan. 8; v. 246; p. 500.
Kipper, Herman B., New York, N. Y. Producing chlorin and sulfate of sodium by catalysis. No. 1,255,020; Jan. 29; v. 246; p. 1148.
Kipper, Herman B., Solvay, N. Y. Making a substitute for whiting. No. 1,264,092; Apr. 23; v. 249; p. 947.
Kirby, Edmund B., St. Louis, Mo. Apparatus for subjecting subdivided solid materials to the action of a current of gases. No. 1,281,585; Oct. 15; v. 255; p. 462.
Kirby, Howard M., assignor to Joseph A. Vogel Co. Inc., Wilmington, Del. Flushing mechanism. No. 1,253,982; Jan. 15; v. 246; p. 799.
Kirby, James B., Cleveland, Ohio. Suction-cleaner. No. 1,257,288; Feb. 19; v. 247; p. 714.
Kirby, James B., Cleveland, Ohio. Vacuum cleaning-machine. No. 1,265,789; May 14; v. 250; p. 281.
Kirby, James B., Cleveland, Ohio. Agitating device for vacuum-cleaner nozzles. No. 1,265,790; May 14; v. 250; p. 281.
Kirby, James B., Cleveland, Ohio. Vacuum cleaning-machine. No. 1,265,791; May 14; v. 250; p. 282.
Kirby, James B., Cleveland, Ohio. Washing-machine. No. 1,277,603; Sept. 3; v. 254; p. 75.
Kirby, James B., Cleveland, Ohio. Washing-machine. No. 1,277,604; Sept. 3; v. 254; p. 75.
Kirby, James W., Harlan, Iowa. Automatic stock-watering trough. No. 1,274,894; Aug. 6; v. 253; p. 158.
Kirby John, Jr. (See Eckert and Kirby.)

Kirby, John, Jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Shaft-operating mechanism. No. 1,266,277; May 14; v. 250; p. 418.
Kirby, John, Jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Car-brake mechanism. No. 1,266,278; May 14; v. 250; p. 418.
Kirby, John, Jr., Dayton, and T. Scullin, Cleveland, assignors to The Dayton Manufacturing Company, Dayton, Ohio. Metal sash. No. 1,268,581; June 4; v. 251; p. 145.
Kirchen, John G., and D. B. Bradner, Tonopah, Nev. Extracting precious metals from ores containing alkaline-earth carbonates, &c. No. 1,257,612; Feb. 26; v. 247; p. 843.
Kirchhuber, Albert P., Brooklyn, N. Y. Turnbuckle. No. 1,275,042; Aug. 6; v. 253; p. 199.
Kirchman, Wencel H. (See Culver, William, assignor.)
Kirchhoff, William G., assignor to The International Register Company, Chicago, Ill. Fare-recorder. No. 1,256,908; Feb. 19; v. 247; p. 602.
Kirchner, Henry W., assignor to River and Rail Transportation Company, St. Louis, Mo. Interchangeable-unit car. No. 1,252,810; Jan. 8; v. 246; p. 428.
Kirchner, Lena M., Kansas City, Mo. Duster. No. 1,276,933; Aug. 27; v. 253; p. 812.
Kirchner, Louie E., Jewell, Iowa. Calipers. No. 1,288,034; Dec. 17; v. 257; p. 524.
Kirfman, John S., Des Moines, Iowa. Tree-protecting device. No. 1,251,786; Jan. 1; v. 246; p. 103.
Kirino, Charles, Ogden, Utah. Apple-quartering machine. No. 1,278,679; Sept. 10; v. 254; p. 390.
Kiriyama, Hisataro, El Monte, Cal. Combined toy and advertising device. No. 1,262,676; Apr. 16; v. 249; p. 533.
Kiriyama, Hisataro, Elmonte, Cal. Automobile-jack. No. 1,266,958; May 21; v. 250; p. 636.
Kirk, Alva H. and D. H., Minneapolis, Minn. Stop-signal for cars. No. 1,262,675; Apr. 16; v. 249; p. 533.
Kirk, Bernard T. (See Phelps, Kirk, and Comstock.)
Kirk, Donald H. (See Kirk, Alva H. and D. H.)
Kirk, John A., Bucyrus, Ohio. Drawing instrument. No. 1,281,790; Oct. 15; v. 255; p. 516.
Kirk, Shirley C., Windsor, Ill. Internal-combustion engine. No. 1,266,954; May 21; v. 250; p. 635.
Kirk, Walter I., assignor to Lyon & Healy, Chicago, Ill. Pedal attachment for pianos and the like. No. 1,269,717; June 18; v. 251; p. 511.
Kirk, Walter I., assignor to Lyon & Healy, Chicago, Ill. Ball-bearing for harps. No. 1,269,718; June 18; v. 251; p. 511.
Kirk, Walter I., assignor to Lyon & Healy, Chicago, Ill. Bench-bracket. No. 1,269,719; June 18; v. 251; p. 512.
Kirkbride, Edmund, assignor of one-half to himself and one-half to C. P. Halyburton, Camden, N. J. Attachment for printed imitation type-written letters. No. 1,288,616; Dec. 24; v. 257; p. 692.
Kirkbride, Edmund, assignor of one-half to himself and one-half to C. P. Halyburton, Camden, N. J. Imitating type-writing by printing. No. 1,288,919; Dec. 24; v. 257; p. 765.
Kirke, Percy S., Westminster, London, England. Generation of steam and the heating of liquids. No. 1,279,710; Sept. 24; v. 254; p. 724.
Kirkegaard, Georg, Brooklyn, N. Y. Apparatus for distributing fertilizers. No. 1,260,777; Mar. 26; v. 248; p. 921.
Kirkegaard, Lange L. (See Rasmussen and Kirkegaard.)
Kirker, Earl J., and T. W. Olges, Covington, Ky. Sign-plate and making same. No. 1,288,920; Dec. 24; v. 257; p. 765.
Kirkham, Charles B., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Internal-combustion engine. No. 1,280,760; Oct. 8; v. 255; p. 205.
Kirkham, Charles B., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Crank-case main bearing. No. 1,283,803; Nov. 5; v. 256; p. 95.
Kirkham, Charles B., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Lubricating system. No. 1,286,345; Dec. 3; v. 257; p. 39.
Kirkham, Charles B., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Thrust-bearing for aeronautical motors. No. 1,287,339; Dec. 10; v. 257; p. 320.
Kirkham, George H., Niles, Mich. Trap for steam-heating systems. No. 1,254,408; Jan. 22; v. 246; p. 942.
Kirkland, Philip M., Independence, Oreg. Collapsible camp-table. No. 1,262,356; Apr. 9; v. 249; p. 415.
Kirkland, Thomas R. (See Williams, Montagu, assignor.)
Kirkpatrick, Cecil L., Wagner, S. D. Hog-feeder. No. 1,251,672; Jan. 1; v. 246; p. 70.
Kirkpatrick, Frank C., Tupelo, Miss. Cultivator. No. 1,273,621; July 23; v. 252; p. 884.
Kirkpatrick, George W., Rochester, N. Y. Power-transmitting and lifting device. No. 1,279,552; Sept. 24; v. 254; p. 678.
Kirkpatrick, Monroe C., Itasca, and C. S. Dobbs, Grand View; said Kirkpatrick assignor to J. M. Dobbs, Ellis county, and A. H. Dobbs, Dallas county, Tex. Folding luggage-carrier. No. 1,280,761; Oct. 8; v. 255; p. 205.
Kirkwood, Abraham L., Blocker, Tex. Combination motion-picture and sound-reproducing mechanism. No. 1,268,729; June 4; v. 251; p. 187.
Kirley, John R., Marietta, and H. B. Walker, Lancaster, Ohio. Wire-line pumping outfit for oil-wells. No. 1,266,817; May 21; v. 250; p. 597.
Kirlin, Linden. (See Ewers, Rolo S., assignor.)
Kirlin, Otis M., Watertown, S. D. Scale. No. 1,282,859; Oct. 29; v. 255; p. 876.
Kirlin, William B., San Benito, Tex. Knife-sharpener. No. 1,255,760; Feb. 5; v. 247; p. 187.
Kirn, Herman E., Chinook, Mont. Rodent-exterminating implement. No. 1,286,021; Nov. 26; v. 256; p. 767.
Kirsch, Anthony, assignor to Wilson Bohannen, Inc., Brooklyn, N. Y. Lock. No. 1,272,967; July 16; v. 252; p. 682.
Kirsch, Charles W., assignor to Kirsch Manufacturing Co., Sturgis, Mich. Curtain-fixture. No. 1,281,023; Oct. 8; v. 255; p. 276.
Kirsch, Charles W., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Curtain-fixture. No. 1,281,024; Oct. 8; v. 255; p. 277.
Kirsch Manufacturing Co. (See Kirsch, Charles W., assignor.)
Kirsch, Otto, Brooklyn, N. Y. Tape-frame and feeder-front for printing-presses. No. 1,264,305; Apr. 30; v. 249; p. 1039.
Kirschbaum, John, assignor to Waterbury Mfg. Co., Waterbury, Conn. Curtain-fastener. No. 1,259,413; Mar. 12; v. 248; p. 461.
Kirschbaum, John, assignor to Waterbury Mfg. Co., Waterbury, Conn. Shade-holder. No. 1,266,818; May 21; v. 250; p. 598.
Kirschbaum, John, assignor to Waterbury Mfg. Co., Waterbury, Conn. Inverted incandescent gas-burner. No. 1,283,527; Nov. 5; v. 256; p. 24.
Kirschbaum, John, assignor to Waterbury Mfg. Co., Waterbury, Conn. Shade-holder for inverted incandescent gas-burners. No. 1,288,033; Dec. 17; v. 257; p. 523.
Kirschbraun, Lester, Evanston, Ill., assignor to The Raybestos Company, Bridgeport, Conn. Friction-facing and making same. No. 1,275,043; Aug. 6; v. 253; p. 199.
Kirschner, Ernest M. V., Rouen, France. Feeler for automatic weaving-looms. No. 1,260,207; Mar. 19; v. 248; p. 719.
Kirsebom, Gustaf N., Kjöbenhavn, Denmark. Recovering copper from ores and ore products. No. 1,286,652; Dec. 3; v. 257; p. 114.
Kirshner, Abraham S., assignor to W. H. Rapeport, Philadelphia, Pa. Bumper for automobiles. No. 1,270,844; July 2; v. 252; p. 25.
Kirstein, Henry E., Rochester, N. Y. Lens-mounting. No. 1,256,327; Feb. 12; v. 247; p. 395.
Kirstein, Henry E., and W. E. McDonnell, assignors to E. Kirstein Sons Company, Rochester, N. Y. Eyeglasses. No. 1,253,255; Jan. 15; v. 246; p. 590.
Kirstein, Henry E., and W. E. McDonell, assignors to E. Kirstein Sons Company, Rochester, N. Y. Eyeglasses. No. 1,261,942; Apr. 9; v. 249; p. 300.
Kirtley, Simeon B., Columbia, Mo. Visible-account bound ledger. No. 1,276,229; Aug. 20; v. 253; p. 583.
Kirwan, Thomas F., Jersey City, N. J. Race-piece. No. 1,286,346; Dec. 3; v. 257; p. 39.
Kisch, Joseph F., assignor of one-half to A. L. Kish, Omaha, Nebr. Ornamental box. No. 1,260,912; Mar. 26; v. 248; p. 956.
Kiser, Curtin G., Washington township, Clarion county, Pa. Pipe-connecting device. No. 1,251,539; Jan. 1; v. 246; p. 27.
Kiser, Frank H., Latrobe, Pa. Mail-bag-delivery device. No. 1,257,714; Feb. 26; v. 247; p. 874.
Kish, Anton L. (See Kisch, Joseph F., assignor.)
Kiso, Henry K., New York, N. Y. Envelop. No. 1,268,730; June 4; v. 251; p. 187.
Kissel, William L., Hartford, Wis. Driver's cab for motor-trucks. No. 1,274,421; Aug. 6; v. 253; p. 22.
Kissick, Joseph, Jr. (See De Ved and Kissick.)
Kissinger, Harry C., Polk, Wis. Roller-truck tire-saver. No. 1,266,819; May 21; v. 250; p. 598.
Kissinger, Harry C., Polk, Wis. Roller-truck tire-saver. No. 1,266,820; May 21; v. 250; p. 598.
Kissling, Frank R., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Tilting steering-wheel. No. 1,285,737; Nov. 26; v. 256; p. 696.
Kistemann, Franz, New York, N. Y., assignor, by mesne assignments, to Paper Service Co., Inc. Dispensing-cabinet. No. 1,254,509; Jan. 22; v. 246; p. 970.
Kistler, Frank C., Greensburg, Pa. Ice-cream-cone filler. No. 1,279,553; Sept. 24; v. 254; p. 679.
Kistler, Samuel L., Los Angeles, Cal. Cementing wells. No. 1,269,090; June 11; v. 251; p. 306.
Kistler, William, and A. L. Butcher, assignors to Hayes Wheel Company, Jackson, Mich. Lathe. No. 1,252,271; Jan. 1; v. 246; p. 240.
Kisza, Ryszard, Chicago, Ill. Ash-sifter. No. 1,283,528; Nov. 5; v. 256; p. 24.
Kitamura, James C., Los Angeles, Cal. Butler's glove. No. 1,254,913; Jan. 29; v. 246; p. 1120.
Kitaoka, Toraki, Los Angeles, Cal. Noiseless railway-crossing. No. 1,275,267; Aug. 13; v. 253; p. 286.

Kitchell, Joseph G., Haddam, Conn. Picture and making the same. No. 1,269,458; June 11; v. 251; p. 407.
Kitchen, Harold J., Luton, England. Water-jacket for electric-furnace electrodes. No. 1,254,510; Jan. 22; v. 246; p. 970.
Kitchen, Harold J., Luton, England. Tilting furnace or the like. No. 1,257,879; Feb. 26; v. 247; p. 921.
Kitchen, John E. (See Babcock, Elisha W., assignor.)
Kitchen, John G. A., Lancaster, assignor of one-half to I. H. Storey, Ambleside, England. Vaporizing and carbureting apparatus for internal-combustion motors. No. 1,278,168; Sept. 10; v. 254; p. 253.
Kitchen, Peter, *et al.* (See Krizek, Joseph, assignor.)
Kitchen, Samuel M., Salem, N. Y., assignor to Bartlett All Steel Scythe Company Inc. Making scythes. No. 1,257,880; Feb. 26; v. 247; p. 921.
Kitchen, Samuel M., Salem, N. Y., assignor to Bartlett All Steel Scythe Company, Inc. Scythe. No. 1,278,938; Sept. 17; v. 254; p. 491.
Kitchen, Samuel M., Salem, N. Y., assignor, by mesne assignments, to Bartlett Edge Tool Company. Scythe. No. 1,283,414; Oct. 29; v. 255; p. 1025.
Kitching, Cyrus, Chicago, Ill. Clamp. No. 1,280,239; Oct. 1; v. 255; p. 35.
Kitching, Nellie. (See Campbell, Albert J., assignor.)
Kite, George W., Jr. (See Morley and Kite.)
Kite, George W., Jr., Chicago, Ill. Water-heater. No. 1,256,328; Feb. 12; v. 247; p. 396.
Kitowski, Ferdinand J., St. Cloud, Minn. Device for forming eyes on springs. No. 1,252,123; Jan. 1; v. 246; p. 200.
Kitscher, Albert. (See Schafer and Kitscher.)
Kitsee, Isidor, Philadelphia, Pa. Mechanism for producing designs on pile fabrics. No. 1,253,049; Jan. 8; v. 246; p. 501.
Kitsee, Isidor, Philadelphia, Pa. Supplying pile fabrics with designs. No. 1,253,050; Jan. 8; v. 246; p. 501.
Kitsee, Isidor, Philadelphia, Pa. Vegetable dye and preparing the same. No. 1,254,914; Jan. 29; v. 246; p. 1121.
Kitselman, Alva L., Muncie, Ind. Wire-weaving machine. No. 1,284,905; Nov. 12; v. 256; p. 408.
Kittelson, Halmer C., Crookston, Minn. Plow-raising mechanism. No. 1,278,939; Sept. 17; v. 254; p. 491.
Kitton, John C., Chicago, Ill. Condenser. No. 1,251,894; Jan. 1; v. 246; p. 135.
Kitton, John C., Chicago, Ill. Automatic pressure-regulating valve. No. 1,255,538; Feb. 5; v. 247; p. 124.
Kittredge, Frank P., Milo, Me. Lathe attachment. No. 1,267,083; May 21; v. 250; p. 671.
Kittredge, John W., Akron, Ohio. Excavating-bucket. No. 1,264,811; Apr. 30; v. 249; p. 1178.
Kitts Steam Specialty Co. (See Kitts, Willard A., Jr., assignor.)
Kitts, Willard A., Jr., Mountain Lakes, N. J., assignor to Kitts Steam Specialty Co., Inc., Oswego, N. Y. Damper-regulator. No. 1,272,459; July 16; v. 252; p. 538.
Kivlan, John L., Boston, Mass. Extensible rack. No. 1,271,326; July 2; v. 252; p. 161.
Kixmiller, Bruce C., Bicknell, Ind. Rail-bond. No. 1,260,913; Mar. 26; v. 248; p. 956.
Kjelland, William T., East Stanwood, Wash. Burglar-alarm. No. 1,257,881; Feb. 26; v. 247; p. 922.
Kjelstad, Ole, West Duluth, Minn. Car-loader. No. 1,265,673; May 7; v. 250; p. 217.
Kjögx, Osvaldus V., Bergen, Norway. Liquid-measuring apparatus. No. 1,287,340; Dec. 10; v. 257; p. 320.
Kjorlien, Otto I., *et al.* (See Spangler, John H., assignor.)
Klaassen, Arie H., and P. S. Bouwer, Grand Rapids, Mich. Wood-finishing composition. No. 1,279,878; Sept. 24; v. 254; p. 774.
Klaffert, Katie, El Paso, Tex. Weed-cutter. No. 1,278,680; Sept. 10; v. 254; p. 391.
Klages, George W. (See Waterloo and Klages.)
Klahn, Emil, Livingston, N. J. Fluid-driven motor. No. 1,263,325; Apr. 16; v. 249; p. 715.
Klahn, Emil, New Vernon, N. J. Compass-gyroscope. No. 1,289,813; Dec. 31; v. 257; p. 1010.
Klaiber, Maximilian, North Hackensack, N. J. Temperature-annunciator. No. 1,252,811; Jan. 8; v. 246; p. 429.
Klamer, John, assignor of one-third to A. N. Sprafka, Stevens Point, Wis. Combination-tool. No. 1,255,179; Feb. 5; v. 247; p. 19.
Klapp, Charles L. (See Spangler and Klapp.)
Klassen, Harry H., Wyandotte county, Kans., assignor of forty-five one-hundredths to G. W. Furbeck, Kansas City, Mo. Internal-combustion engine. No. 1,259,884; Mar. 19; v. 248; p. 628.
Klatt, Albert C., Beaver Dam, Wis. Thread-cutting device. No. 1,262,516; Apr. 9; v. 249; p. 458.
Klatte, William A., *et al.* (See Manofsky, Herman E., assignor.)
Klauder-Weldon Dyeing Machine Company. (See Going, William J., assignor.)
Klauer, William H., Dubuque, Iowa. Corner-turn for gutters. No. 1,260,778; Mar. 26; v. 248; p. 921.
Klauer, William H., Dubuque, Iowa. Corner-bead. No. 1,264,812; Apr. 30; v. 249; p. 1178.
Klausch, Max, Chicago, Ill. Drapery-support. No. 1,253,693; Jan. 15; v. 246; p. 718.
Klauser, Oscar, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Treatment of cotton fabrics. No. 1,258,225; Mar. 5; v. 248; p. 80.
Klauser, Oskar, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Producing wool-like effects on cotton fabrics. No. 1,285,738; Nov. 26; v. 256; p. 696.
Klay, Abraham B., Modesto, Cal. Ware drier and factory. No. 1,256,237; Feb. 12; v. 247; p. 370.
Klayman, Benjamin. (See Klayman, Israel, assignor.)
Klayman, Israel, assignor of one-half to B. Klayman, Baltimore, Md. Window-frame. No. 1,271,174; July 2; v. 252; p. 119.
Kleber, Samuel L., Pittsburgh, Pa. Trunk. No. 1,265,212; May 7; v. 250; p. 94.
Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Fan-pump. No. 1,283,529; Nov. 5; v. 256; p. 24.
Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Hydro landing-base for aircraft. No. 1,284,906; Nov. 12; v. 256; p. 409.
Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Landing-gear for aircraft. No. 1,284,907; Nov. 12; v. 256; p. 409.
Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Handling-truck for flying-boats. No. 1,287,341; Dec. 10; v. 257; p. 320.
Kleckler, Henry, and C. G. MacGregor, Buffalo, N. Y., assignors to Curtiss Aeroplane and Motor Corporation. Flying-boat hull. No. 1,285,229; Nov. 19; v. 256; p. 529.
Kleckler, Henry, and C. G. MacGregor, Buffalo, N. Y., assignors to Curtiss Aeroplane & Motor Corporation. Hydroaeroplane-pontoon. No. 1,285,230; Nov. 19; v. 256; p. 529.
Klee, John G., Boston, Mass. Hair-pin. No. 1,273,872; July 30; v. 252; p. 989.
Kleebauer, Charles P., Brooklyn, assignor to Cohoes Envelope Co., Inc., Cohoes, N. Y. Shipping-tag. No. 1,272,968; July 16; v. 252; p. 683.
Kleemann, Felix, London, England. Corset and like stiffener. No. 1,276,700; Aug. 20; v. 253; p. 713.
Klees, William D., assignor of one-half to A. H. Senst, Plainview, Minn. Mail-box signal. No. 1,264,093; Apr. 23; v. 249; p. 947.
Kleffel, Harrison E., New York, N. Y. Mechanical stoker. No. 1,270,171; June 18; v. 251; p. 633.
Klefsaas, Gotfred A., Sanborn, N. D. Train-order-delivering device. No. 1,251,895; Jan. 1; v. 246; p. 135.
Kleidman, Joseph. New York, N. Y. Geometrical instrument. No. 1,267,323; May 21; v. 250; p. 736.
Kleidman. Joseph, New York, N. Y. Geometrical instrument. No. 1,288,921; Dec. 24; v. 257; p. 766.
Kleidman, Joseph, assignor, by mesne assignments, to The Aheadofit Pictorial Co., New York, N. Y. Cinematographic apparatus. No. 1,259,246; Mar. 12; v. 248; p. 412.
Klein, Adolph. (See Wills, Donald R., assignor.)
Klein, Adolph S., Cleveland, Ohio. Filing-cabinet. No. 1,289,190; Dec. 31; v. 257; p. 855.
Klein, Carl J., Mount Vernon, Ill. Moistening device. No. 1,272,275; July 9; v. 252; p. 460.
Klein, Charles H., Chaska, Minn. Drier. No. 1,272,676; July 16; v. 252; p. 600.
Klein, Charles J., Milwaukee, Wis. Lamp. No. 1,262,517; Apr. 9; v. 249; p. 459.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,252,586; Jan. 8; v. 246; p. 365.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric candle and the like. No. 1,252,587; Jan. 8; v. 246; p. 366.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Strain-relief for pendent electrical devices. No. 1,254,703; Jan. 29; v. 246; p. 1055.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric-switch casing. No. 1,254,812; Jan. 29; v. 246; p. 1089.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Flush-receptacle. No. 1,255,181; Feb. 5; v. 247; p. 20.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,255,887; Feb. 12; v. 247; p. 264.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Casing for lamp-sockets and the like. No. 1,267,875; May 28; v. 250; p. 921.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,277,426; Sept. 3; v. 254; p. 27.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Casing for pendent switches and the like. No. 1,280,115; Sept. 24; v. 254; p. 839.
Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Flush receptacle. No. 1,288,922; Dec. 24; v. 257; p. 766.
Klein, Ernest, New York, N. Y. Snap-switch. No. 1,284,367; Nov. 12; v. 256; p. 273.
Klein, Erwin, Peekskill, N. Y. Vinegar-making. No. 1,272,276; July 9; v. 252; p. 460.
Klein, Erwin, Peekskill, N. Y. Apparatus for vinegar making. No. 1,272,277; July 9; v. 252; p. 460.

Klein, Frederick, trustee. (See Terwilliger, William H., assignor.)
Klein, Frederick, trustee. (See Williams, Frederic S., assignor.)
Klein, Harry H., New York, N. Y. Hair-waver. No. 1,270,623; June 25; v. 251; p. 784.
Klein, Henry, New York, N. Y. Interior partition. No. 1,253,499; Jan. 15; v. 246; p. 662.
Klein, John, Washington, D. C. Spring-support. No. 1,268,077; May 28; v. 250; p. 975.
Klein, John H., Denver, Colo. Metallic-rail-tie fastener. No. 1,257,247; Feb. 19; v. 247; p. 700.
Klein, John V., Renville, Minn. Rat-trap. No. 1,277,949; Sept. 3; v. 254; p. 169.
Klein, Lena, New York, N. Y. Pin-holder. No. 1,281,025; Oct. 8; v. 255; p. 277.
Klein, Lidus, Zurich, Switzerland. String holding and tensioning device. No. 1,262,518; Apr. 9; v. 249; p. 459.
Klein, Mathias J., New York, N. Y. Side-force and danger indicator. No. 1,286,347; Dec. 3; v. 257; p. 40.
Klein, Philip, Brooklyn, assignor of one-half to M. Roth, New York, N. Y. Outlet-box cover. No. 1,283,804; Nov. 5; v. 256; p. 95.
Klein, Rudolph, assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter. No. 1,287,045; Dec. 10; v. 257; p. 246.
Klein, Rudolph, and T. M. Brueck, assignors to Ilex Optical Company, Rochester, N. Y. Photographic shutter. No. 1,276,663; Aug. 20; v. 253; p. 704.
Klein, Rudolph, and T. Brueck, assignors to Ilex Optical Company, Rochester, N. Y. Photographic shutter. No. 1,280,240; Oct. 1; v. 255; p. 35.
Klein, Samuel, Philadelphia, Pa. Abrasive-material holder. No. 1,255,888; Feb. 12; v. 247; p. 264.
Klein, Stanislaw, College Point, N. Y. Implement for detaching buttons. No. 1,261,134; Apr. 2; v. 249; p. 40.
Kleinberg, William, deceased; M. Deutsch, administrator, New York, N. Y. Device for operating X-ray apparatus. No. 1,282,238; Oct. 22; v. 255; p. 679.
Kleinegris, Engelbertus, Chicago, Ill. Tool-holder. No. 1,266,486; May 14; v. 250; p. 473.
Kleinschmidt, Anthony F., Indianapolis, Ind. Automobile-inclosure. No. 1,251,540; Jan. 1; v. 246; p. 27.
Kleinschmidt, Edward E., New York, assignor by mesne assignments to Kleinschmidt Electric Company, Inc., Brooklyn, N. Y. Selector system for telegraph typewriters. No. 1,258,019; Mar. 5; v. 248; p. 21.
Kleinschmidt Electric Company. (See Kleinschmidt, Edward E., assignor.)
Klemm, Hermann A., Harrison, assignor of one-half to J. D. Leys, New York, N. Y. Knitting-machine. No. 1,257,491; Feb. 26; v. 247; p. 807.
Klemm, Hermann A., Harrison, N. Y. Knitting-machine. No. 1,257,492; Feb. 26; v. 247; p. 807.
Klemmer, Al C., Lewistown, Mont. Automobile-lifter. No. 1,271,584; July 9; v. 252; p. 265.
Klenck, John H., Warren, Pa. Rule-holder. No. 1,264,190; Apr. 30; v. 249; p. 1007.
Kleopfert, Georgie, *et al.* (See Spangler, John H., assignor.)
Klesat, Walter J., Clarence Center, N. Y. Coat-hanger. No. 1,286,022; Nov. 26; v. 256; p. 767.
Klesius, William. (See Ruf and Klesius.)
Klesler, Joseph A., St. Johns, Oreg. Plumb-bob. No. 1,286,023; Nov. 26; v. 256; p. 767.
Kleucker, George M., St. Louis, Mo. Producing raw-water can-ice. No. 1,254,511; Jan. 22; v. 246; p. 971.
Klevan, John M. (See Keen and Klevan.)
Kleven, Knut, Minneapolis, Minn. Anchoring apparatus for silos. No. 1,275,268; Aug. 13; v. 253; p. 286.
Klewanich, John, Royalton, Ill. Switch-rail-actuating mechanism. No. 1,289,191; Dec. 31; v. 257; p. 856.
Kliewer, Edward A., Fairview, Okla. Well casing and tool fishing device. No. 1,266,821; May 21; v. 250; p. 598.
Klima, L. (See Broderick, Martin T., assignor.)
Klimcow, Peter, Rochester, N. Y. Noodle-cutting machine. No. 1,288,923; Dec. 24; v. 257; p. 766.
Klimek, Gust, Laurium, Mich. Hose-clamp. No. 1,264,659; Apr. 30; v. 249; p. 1139.
Klin, John R., assignor to The Germless Paper Cup Company, Dayton, Ohio. Container for paper cups. No. 1,264,306; Apr. 30; v. 249; p. 1040.
Klin, John R., assignor to The Germless Paper Cup Company, Dayton, Ohio. Holder for paper cups. No. 1,266,279; May 14; v. 250; p. 418.
Klin, Martin D., Chicago, Ill. Golf-club. No. 1,289,192; Dec. 31; v. 257; p. 856.
Kline, Alexander D., Schenectady, N. Y., assignor to General Electric Company. Remote control of dynamo-electric machines. No. 1,258,419; Mar. 5; v. 248; p. 138.
Kline, Azel L. (See Larrowe and Kline.)
Kline, David W., Spokane, Wash. Bed-spring tightener. No. 1,278,681; Sept. 10; v. 254; p. 391.
Kline, Frank W., Huntington, Ind. Salt and pepper shaker. No. 1,260,208; Mar. 19; v. 248; p. 719.
Kline, George P., Moline, Ill. Metallic composition. No. 1,285,231; Nov. 19; v. 256; p. 529.
Kline, Harmon J., Lansing, Mich. Driving-axle for motor-vehicles. No. 1,275,444; Aug. 13; v. 253; p. 334.
Kline, Raymond A., New York, N. Y. Ear-ring mounting. No. 1,262,519; Apr. 9; v. 249; p. 459.
Kline, Raymond A., New York, N. Y. Show-case display-tray. No. 1,289,193; Dec. 31; v. 257; p. 856.
Kline, Rudolph D., Streator, Ill. Forcing plants. No. 1,260,914; Mar. 26; v. 248; p. 956.
Kline, Walter, Lake, Ohio. Tire-cording machine. No. 1,259,997; Mar. 19; v. 248; p. 662.
Kline, Walter, Lake, assignor of one-third to F. L. Kryder and one-third to J. P. Frisby, Akron, Ohio. Pneumatic tire. No. 1,252,703; Jan. 8; v. 246; p. 399.
Kline, William, Waynesboro, Va., assignor of one-half to W. J. Moore, Washington, D. C. Sound-regulator for audible signals. No. 1,260,549; Mar. 26; v. 248; p. 853.
Kling, Louis A., East Cleveland, and C. F. Dennis, Cleveland, Ohio, assignors to The J. G. Brill Company, Philadelphia, Pa. Means for locking window-sashes to screens. No. 1,276,376; Aug. 20; v. 253; p. 625.
Klingberg, William A., Afton, Okla. Window-shield. No. 1,279,879; Sept. 24; v. 254; p. 774.
Klingbiel, Henry H., El Reno, Okla. Wrench. No. 1,263,435; Apr. 23; v. 249; p. 768.
Klingel, Edward L., St. Paul, assignor of one-half to C. A. Kellogg, Minneapolis, Minn. Train-check holder. No. 1,265,674; May 7; v. 250; p. 217.
Klinger, Russell E. (See Ensign and Klinger.)
Klingman's Sample Furniture Co. (See Allen, William E., assignor.)
Klink, Alexander F., assignor to Bryant Zinc Company, Chicago, Ill. Portable banner. No. 1,263,072; Apr. 16; v. 249; p. 647.
Klink, Henry G., Moundsville, W. Va. Process of and apparatus for concentrating sulfuric acid. No. 1,276,377; Aug. 20; v. 253; p. 625.
Klipfel Manufacturing Co. (See Swan, John H., assignor.)
Klippert, Edward T., Detroit, Mich. Releasing-hook for life-boats. No. 1,268,361; June 4; v. 251; p. 83.
Klise, Albert B., assignor to Blackmer Rotary Pump Co., Petoskey, Mich. Rotary pump. No. 1,271,585; July 9; v. 252; p. 266.
Klock, Adam I., deceased; L. M. Klock, administratrix, St. Johnsville, assignor of one-third to B. F. Klock and one-third to R. W. Klock, Scotia, N. Y. Machine for applying coating. No. 1,284,708; Nov. 12; v. 256; p. 357.
Klock, B. F., *et al.* (See Klock, Adam I., assignor.
Klock, Clinton, Middleport, Pa. Perch structure. No. 1,265,675; May 7; v. 250; p. 217.
Klock, Libbie M., administratrix. (See Klock, Adam I.)
Klock, R. W., *et al.* (See Klock, Adam I., assignor.)
Klocke, William, assignor to E. W. Bliss Company, Brooklyn, N. Y. Adjustable-stroke press. No. 1,258,020; Mar. 5; v 248; p. 21.
Klocke, William H., Woodhaven, N. Y. Rear-axle housing. No. 1,252,812; Jan. 8; v. 246; p. 429.
Kloeb, Joseph A. and R. B., Swayzee, Ind. Gaseous-fuel burner. No. 1,285,232; Nov. 19; v. 256; p. 529.
Kloeb, Rudolph B. (See Kloeb, Joseph A. and R. B.)
Kloepfer, Charles, New York, and C. C. Kloepfer, Brooklyn, N. Y. Extension step-ladder. No. 1,283,212; Oct. 29; v. 255; p. 971.
Kloepfer, Clarence C. (See Kloepfer, Charles and C. C.)
Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Folding bed. No. 1,253,390; Jan. 15; v. 246; p. 631.
Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Folding bed. No. 1,253,391; Jan. 15; v. 246; p. 632.
Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Folding bed. No. 1,253,392; Jan. 15; v. 246; p. 632.
Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Folding bed. No. 1,270,528; June 25; v. 251; p. 757.
Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Table-bed. No. 1,279,123; Sept. 17; v. 254; p. 538.
Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Table-bed. No. 1,279,124; Sept. 17; v. 254; p. 538.
Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Folding bed. No. 1,279,125; Sept. 17; v. 254; p. 538.
Kloman, Theodore W., Park Ridge, N. J. Low-water safety device. No. 1,280,762; Oct. 8; v. 255; p. 206.
Kloneck, August J., New York, N. Y. Signaling device. No. 1,263,073; Apr. 16; v. 249; p. 647.
Kloneck, August J., New York, N. Y. Safety brake apparatus for vehicles. No. 1,275,702; Aug. 13; v. 253; p. 405.
Kloneck, August J., New York, N. Y. Current-amplifier. No. 1,264,813; Apr. 30; v. 249; p. 1179.
Klug, Richard, assignor to The Oberndorf Manufacturing Company, Pittsburgh, Pa. Compression stop and waste cock. No. 1,281,791; Oct. 15; v. 255; p. 516.
Klugh, Paul B., assignor to The Cable Company, Chicago, Ill. Mechanical musical instrument. No. 1,261,553; Apr. 2; v. 249; p. 159.
Klugh, Paul B., assignor to The Cable Company, Chicago, Ill. Expression device for automatic musical instruments. No. 1,265,792; May 14; v. 250; p. 282.

Klugiewicz, Teofil, Erie, Pa. Ice-cream dipper. No. 1,271,327; July 2; v. 252; p. 162.
Klump, William, East Orange, N. J. Gage. No. 1,265,676; May 7; v. 250; p. 218.
Klunk, Albert J., assignor to I. M. Walcott, Los Angeles, Cal. Oil-burner. No. 1,266,959; May 21; v. 250; p. 636.
Klutts, Bud, Ewing, Nebr. Feed-distributer. No. 1,263,074; Apr. 16; v. 249; p. 647.
Knack, Frederick, Hoquiam, Wash. Portable house. No. 1,266,822; May 21; v. 250; p. 599.
Knapp Brothers Manufacturing Company. (See Knapp, George S., assignor.)
Knapp, Charles S., Chicago, Ill. Automatically-adjustable brake-head. No. 1,282,860; Oct. 29; v. 255; p. 878.
Knapp, Edward B., San Jacinto, Cal. Cuspidor-lifter. No. 1,274,895; Aug. 6; v. 253; p. 158.
Knapp, Edward J., Syracuse, N. Y. Sanctuary-lamp. No. 1,255,614; Feb. 5; v. 247; p. 145.
Knapp, Fred E., San Diego, Cal. Fluid-drawing siphon for bottles. No. 1,287,046; Dec. 10; v. 257; p. 246.
Knapp, Frederick H., Roland Park, and H. G. Dewey, assignors to Fred H. Knapp Company, Westminster, Md. Labeling-machine. No. 1,271,724; July 9; v. 252; p. 306.
Knapp, Frederick H., Roland Park, and H. G. Dewey, Westminster, assignors to The Fred H. Knapp Company, Baltimore, Md. Can-wrapping machine. No. 1,282,699; Oct. 22; v. 255; p. 803.
Knapp, Frederick H., Baltimore, and H. G. Dewey, assignors to Fred H. Knapp Company, Westminster, Md. Can-labeling machine. No. 1,282,700; Oct. 22; v. 255; p. 804.
Knapp, George P., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Convertible cap for attachment-plugs. No. 1,275,703; Aug. 13; v. 253; p. 405.
Knapp, George S., La Grange, Ill. Plug-screed. No. 1,282,592; Oct. 22; v. 255; p. 774.
Knapp, George S., La Grange, assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Chalk-trough for blackboards. No. 1,279,554; Sept. 24; v. 254; p. 679.
Knapp, George W., Baltimore, Md., assignor to National Enameling and Stamping Company, New York, N. Y. Faucet-receptacle for barrels. No. 1,276,698; Aug. 20; v. 253; p. 713.
Knapp, Glenn A., Pueblo, Col. Pencil-holder. No. 1,277,732; Sept. 3; v. 254; p. 111.
Knapp, Howard H., assignor to The American Textile Manufacturing Company, Cleveland, Ohio. Fountain-mop. No. 1,271,586; July 9; v. 252; p. 266.
Knapp, Jacob, assignor to The Sechler and Company, Cincinnati, Ohio. Running-gear for trailers. No. 1,252,588; Jan. 8; v. 246; p. 366.
Knapp, William A., assignor to C. Schwartz, trustee, Washington, D. C. Permanently heat-expanding cast-iron articles. No. 1,274,896; Aug. 6; v. 253; p. 158.
Knapp, William G., Alhambra, Cal. Well-boring apparatus. No. 1,259,026; Mar. 12; v. 248; p. 353.
Knapp, William S., Kansas City, Mo. Vehicle-spring. No. 1,265,677; May 7; v. 250; p. 218.
Knapper, Frederick S., Springfield, Ohio. Composition of matter for use in foundry practice. No. 1,288,035; Dec. 17; v. 257; p. 52a.
Knauf, Paul W., Cynwyd, assignor to Schutte & Koerting Company, Philadelphia, Pa. Duplex valve. No. 1,277,427; Sept. 3; v. 254; p. 27.
Knauff, George C., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Electric fitting. No. 1,260,400; Mar. 26; v. 248; p. 809.
Knauff, George C., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Lamp-socket. No. 1,260,401; Mar. 26; v. 248; p. 810.
Knauff, George C., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Socket for incandescent lamps. No. 1,263,075; Apr. 16; v. 249; p. 648.
Knauff, George C., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Electric fitting. No. 1,265,455; May 7; v. 250; p. 161.
Knauff, George C., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Switching-socket. No. 1,285,739; Nov. 26; v. 256; p. 697.
Knauff, Ulysses G., assignor to Rex Vaporizer Manufacturing Company, Minneapolis, Minn. Attachment for gas-engines. No. 1,261,554; Apr. 2; v. 249; p. 160.
Knauss, Albert L., Sugar City, Idaho. Wheel. No. 1,266,025; May 14; v. 250; p. 347.
Knecht, David G., Allentown, Pa. Headlight glare-shield. No. 1,289,814; Dec. 31; v. 257; p. 1010.
Knell, John, North Robinson, Ohio. Auxiliary oil-reservoir. No. 1,251,971; Jan. 1; v. 246; p. 156.
Knibiehler, Friedrich J. B., Wettingen, and A. Fankhauser, Ennetbaden, assignors to Wegmann & Co., Baden, Switzerland. Process and plant for the treatment of fabric pieces. No. 1,259,526; Mar. 19; v. 248; p. 525.
Knickerbocker Motors. (See Guilder, Walter C., assignor.)
Knickmeyer, Henry, assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Link fabric. No. 1,259,998; Mar. 19; v. 248; p. 662.
Knieriem, Edward A., deceased, New York, N. Y.; G. P. Hotaling executor. Abdominal bandage. No. 1,257,944; Feb. 26; v. 247; p. 939.
Knieriemen, George, Atco, N. J. Brooder. No. 1,268,853; June 11; v. 251; p. 240.
Kniffler, Bruno, Winchester, assignor to Vera Chemical Company, Stoneham, Mass. Waterproof composition for coating paper. No. 1,266,955; May 21; v. 250; p. 635.
Kniffler, Bruno, Winchester, assignor to Vera Chemical Company, Stoneham, Mass. Making waterproof composition for coating paper. No. 1,266,956; May 21; v. 250; p. 635.
Knight, Albert B., Toledo, Ohio. Machine for scoring, cracking off, and glazing electric bulbs or other articles of glassware. No. 1,251,541; Jan. 1; v. 246; p. 28.
Knight, Alfred W., London, England. Horseshoe-nail. No. 1,276,544; Aug. 20; v. 253; p. 671.
Knight, Alice M., Tunbridge Wells, England. Saucepan. No. 1,268,017; May 28; v. 250; p. 959.
Knight, Amos L. (See Bancroft and Knight.)
Knight, Amos L., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Manufacture of printers' leads, rules, &c. No. 1,256,806; Feb. 19; v. 247; p. 571.
Knight, Amos L., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Mold for casting elements of printing-forms. No. 1,256,807; Feb. 19; v. 247; p. 571.
Knight, Amos L., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Mold for casting printers' leads and the like. No. 1,256,808; Feb. 19; v. 247; p. 571.
Knight, Amos L., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Production of elements of printing-forms. No. 1,257,006; Feb. 19; v. 247; p. 632.
Knight, Anna B. (See Beale and Knight.)
Knight, E. H. (See Haynes, James J., assignor.)
Knight, Earle R., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gear-casing. No. 1,279,711; Sept. 24; v. 254; p. 724.
Knight, George, Brockton, Mass. Marking-machine. No. 1,254,704; Jan. 29; v. 246; p. 1056.
Knight, George F., and B. M. Frank, Canton, Ohio; said Frank assignor to said Knight. Machine for forming outer casings of pneumatic tires. No. 1,255,320; Feb. 5; v. 247; p. 59.
Knight, George H., assignor to The Hendeg Machine Co., Torrington, Conn. Tool-feed mechanism for shapers. No. 1,287,342; Dec. 10; v. 257; p. 320.
Knight, George H., assignor to The Hendey Machine Co., Torrington, Conn. Shaper. No. 1,288,036; Dec. 17; v. 257; p. 524.
Knight, George H., assignor to The Hendey Machine Company, Torrington, Conn. Belt-shifting mechanism. No. 1,252,350; Jan. 1; v. 246; p. 261.
Knight, Harvey. (See Spinney, Albert S., assignor.)
Knight, James H., Fort Worth, Tex. Carbon-brush holder. No. 1,268,018; May 28; v. 250; p. 959.
Knight, Lotta S., New York, N. Y. Filter film or bed and making the same. No. 1,285,233; Nov. 19; v. 256; p. 530.
Knight, Ralph F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Buttonhole-sewing machine. No. 1,264,660; Apr. 30; v. 249; p. 1139.
Knight, Ralph F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,264,661; Apr. 30; v. 249; p. 1139.
Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-molding machine. No. 1,282,434; Oct. 22; v. 255; p. 732.
Knight, Richard, Middletown, N. Y. Target device. No. 1,280,763; Oct. 8; v. 255; p. 206.
Knight, Richard D., Providence, R. I. Match-receptacle. No. 1,269,285; June 11; v. 251; p. 361.
Knight, Walter, W. D. Hammersmith, and H. E. Clerk, London, England. Incandescent electric lamp. No. 1,277,950; Sept. 3; v. 254; p. 169.
Knights, James W., Hammersmith, London, England. Coin-freed gramophone. No. 1,262,521; Apr. 9; v. 249; p. 460.
Knipe, William A., Haverhill, Mass. Cementing-machine. No. 1,287,700; Dec. 17; v. 257; p. 439.
Kniseley, Leander J. and W. B., Burnsville, W. Va. Door-hanger. No. 1,267,556; May 28; v. 250; p. 829.
Kniseley, William B. (See Kniseley, Leander J. and W. B.)
Knisely, William S., Chicago Heights, Ill. Car-coupling. No. 1,262,211; Apr. 9; v. 249; p. 374.
Knisley, Clyde, La Habra, Cal. Tractor-tread. No. 1,280,044; Sept. 24; v. 254; p. 819.
Knistrom, August, Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Recording-lock. No. 1,253,051; Jan. 8; v. 246; p. 501.
Knistrom, August, Binghamton, assignor to Bundy Manufacturing Company, Endicott, N. Y. Calculating-machine. No. 1,281,792; Oct. 15; v. 255; p. 517.
Knistrom, August, Binghamton, assignor to Bundy Manufacturing Company, Endicott, N. Y. Accumulating mechanism for calculating-machines. No. 1,285,234; Nov. 19; v. 256; p. 530.

Knittel, Paul S., assignor to American Pulverizer Company, St. Louis, Mo. Crusher and pulverizer. No. 1,282,239; Oct. 22; v. 255; p. 679.
Knittle, Elmer E., Allentown, Pa. Fly-trap. No. 1,256,329; Feb. 12; v. 247; p. 396.
Knobloch, Barney F., Pittsburgh, Pa. Attaching device for non-skid chains. No. 1,289,194; Dec. 31; v. 257; p. 856.
Knoblock, Andrew J. (See Le Compte, Leon G., assignor.)
Knoche, Louis H., Martin City, Mo. Moldboard. No. 1,256,140; Feb. 12; v. 247; p. 339.
Knoderer, Homer G. (See Robinson and Knoderer.)
Knoell, Charles J., Tonawanda, N. Y. Child's vehicle. No. 1,271,175; July 2; v. 252; p. 119.
Knoerr, Fred, Chicago, Ill. Refrigerating apparatus. No. 1,269,612; June 18; v. 251; p. 482.
Knoerr, William, Philadelphia, Pa. Screen for the rollers of printing-presses. No. 1,283,213; Oct. 29; v. 255; p. 971.
Knoll, Charles W., Crete, Nebr. Seal device for sewers. No. 1,272,460; July 16; v. 252; p. 538.
Knoll, Rudolf, Ennet-Baden, Switzerland. Dynamo-electric machinery. No. 1,255,838; Feb. 5; v. 247; p. 209.
Knollmann, George F., Evansville, Ind. Adjustable mirror for boilers. No. 1,270,624; June 25; v. 251; p. 784.
Knoos, Godfrey, Jr., Philadelphia, Pa. Pin game-board. No. 1,288,924; Dec. 24; v. 257; p. 766.
Knopp, Otto A., Oakland, Cal. Electric water-heater. No. 1,265,213; May 7; v. 250; p. 95.
Knopp, Rudolph. (See Biehler and Knopp.)
Knopp, Rudolph, and J. G. Biehler, Rochester, N. Y. Labeling-machine. No. 1,263,565; Apr. 23; v. 249; p. 803.
Knorr, Frederick J. (See Anderson, Charles S., assignor.)
Knorr, Katherine, Norwalk, Conn. Skirt-gage. No. 1,266,602; May 21; v. 250; p. 536.
Knorr, Theodore H., Breckenridge, assignor of one-half to H. A. Recen, Denver, Colo. Oven. No. 1,252,272; Jan. 1; v. 246; p. 240.
Knott, Eustace R., Sharon, Mass. Popcorn brick and bar cutting machine. No. 1,268,854; June 11; v. 251; p. 241.
Knott, Levi. (See Snyder and Knott.)
Knottenbelt, Herman W., St.-Gilles, Brussels, Belgium. Petroleum and other hydrocarbon oils. No. 1,277,605; Sept. 3; v. 254; p. 76.
Knous, Franklin F. (See Johnson and Knous.)
Knowles, Edward R., Brooklyn, N. Y. Separating materials from gases. No. 1,273,791; July 23; v. 252; p. 927.
Knowles, Edward S., San Francisco, Cal. Fish-hook. No. 1,270,033; June 18; v. 251; p. 597.
Knowles, Frank W. and R. E., Portland, Oreg. Mail-catcher. No. 1,278,355; Sept. 10; v. 253; p. 303.
Knowles, George H., Duluth, Minn. Internal-combustion engine. No. 1,257,248; Feb. 19; v. 247; p. 701.
Knowles, Horace E., Welty, Okla. Spring-seat. No. 1,285,235; Nov. 19; v. 256; p. 530.
Knowles, Joseph G., and W. E. Martin, Watervliet, N. Y., assignors to A. G. Dickinson, Grand Rapids, Mich. Machine for making fly-traps. No. 1,262,357; Apr. 9; v. 249; p. 415.
Knowles, Roy E. (See Knowles, Frank W. and R. E.)
Knowlton, Frank W., Quincy, Mass., and T. Scott, Montreal, Canada, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Device for removing surplus material. No. 1,256,574; Feb. 19; v. 247; p. 503.
Knowlton, Norwood H., Rockport, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. No. 1,285,740; Nov. 26; v. 256; p. 697.
Knowlton, Wilbur C., and H. A. Hoffman, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Compounding rubber with powdery substances. No. 1,286,024; Nov. 26; v. 256; p. 768.
Knox, Harry A., Chicopee Falls, Mass. Internal-combustion engine. No. 1,253,607; Jan. 15; v. 246; p. 692.
Knox, Luther L., Avalon, assignor to Blaw-Knox Company, Pittsburgh, Pa. Chill for open-hearth furnaces. No. 1,251,787; Jan. 1; v. 246; p. 103.
Knox, Luther L., Avalon, assignor to Blaw-Knox Company, Pittsburgh, Pa. Valve-operating system. No. 1,251,788; Jan. 1; v. 246; p. 104.
Knox, Luther L., Avalon, assignor, by mesne assignments, to Blau-Knox Company, Pittsburgh, Pa. Water-cooled valve or damper structure. No. 1,256,330; Feb. 12; v. 247; p. 396.
Knox, Luther L., Avalon, assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooled valve or damper. No. 1,261,555; Apr. 2; v. 249; p. 160.
Knox, Luther L., Avalon, assignor to Blaw-Knox Company, Pittsburgh, Pa. Building structure. No. 1,267,084. May 21; v. 250; p. 671.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooled skewback for furnaces. No. 1,267,085; May 21; v. 250; p. 672.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Annealing-box. No. 1,268,582; June 4; v. 251; p. 146.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Annealing-pot. No. 1,268,583; June 4; v. 251; p. 146.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooled front for furnaces. No. 1,273,233; July 23; v. 252; p. 780.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooling system for furnaces. No. 1,273,234; July 23; v. 252; p. 780.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Door-frame and door structure for furnaces. No. 1,275,943; Aug. 13; v. 253; p. 472.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Galvanizing-pot. No. 1,282,862; Oct. 29; v. 255; p. 877.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Galvanizing-pot. No. 1,282,863; Oct. 29; v. 255; p. 877.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace-door frame and the like. No. 1,282,864; Oct. 29; v. 255; p. 878.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Hollow water-cooled structure. No. 1,282,865; Oct. 29; v. 255; p. 878.
Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Po. Wall-cooler for furnaces. No. 1,288,925; Dec. 24; v. 257; p. 766.
Knox, Luther L., Pittsburgh, Pa., and G. L. Danforth, Jr., Chicago, Ill., assignors to Blaw-Knox Company, Pittsburgh, Pa. Water-cooled door-frame. No. 1,282,861; Oct. 29; v. 255; p. 877.
Knox, Orville M., Knoxboro, N. Y. Pole. No. 1,270,625; June 25; v. 251; p. 784.
Knox, Orville M., Knoxboro, N. Y. Railway cross-tie. No. 1,274,897; Aug. 6; v. 253; p. 158.
Knox Patents Company. (See Stender, William, assignor.)
Knox, Ralph, New Bloomfield, Mo. Automobile-chain. No. 1,255,615; Feb. 5; v. 247; p. 145.
Knudsen, Andrew M., Cartwright, N. D. Traction-plow. No. 1,259,638; Mar. 19; v. 248; p. 555.
Knudsen, Berney, Denver, Colo., assignor of one-half to F. G. Warrick, Scottsbluff, Nebr. Sanitary can-tap. No. 1,277,222; Aug. 27; v. 253; p. 890.
Knudsen, Charles O., Brooklyn, N. Y. Ship-repairing means. No. 1,263,566; Apr. 23; v. 249; p. 804.
Knudsen, Jacob B., Chicago, Ill. Packless swing-joint. No. 1,270,172; June 18; v. 251; p. 634.
Knudsen, Jens J. (See Smith, Milton R., assignor.)
Knudsen, Oscar C. M., Brooklyn, N. Y. Producing a hard copper alloy. No. 1,267,669; May 28; v. 250; p. 861.
Knudsen, Peter M., Brooklyn, N. Y. Marble-projector. No. 1,279,712; Sept. 24; v. 254; p. 725.
Knudsen, William, Fremont, Nebr. Connecting-rod bearing. No. 1,259,874; Mar. 19; v. 248; p. 624.
Knudson, Knud, assignor to The Trumbull Electric Manufacturing Co., Plainville, Conn. Handle. No. 1,273,379; July 23; v. 252; p. 818.
Knue, Louis H., *et al.* (See Ransdall, Harry W., assignor.)
Knukle, George, Grand Junction, Colo. Radium-applicator. No. 1,288,048; Dec. 17; v. 257; p. 527.
Knurck, John G., Woodhaven, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing
Knuts, William. (See Stark and Knuts.)
Knutson, Oliver. (See Hanson and Knutson.) machine. No. 1,260,209; Mar. 19; v. 248; p. 719.
Kny-Scheerer Corporation, The. (See Barnett, Harry, assignor.)
Kny-Scheerer Corporation, The. (See Berlin, Paul, assignor.)
Kny-Scheerer Corporation, The. (See Schimpff, Louis W. H., assignor.)
Kny-Scheerer Corporation, The. (See Winter, William A., assignor.)
Kobayashi, Hikojiro, Los Angeles, Cal. Salt and pepper shaker. No. 1,254,409; Jan. 22; v. 246; p. 942.
Kobelt, Valerius, Berlin-Schöneberg, Germany. Elimination of manganese and iron from water. No. 1,253,840; Jan. 15; v. 246; p. 760.
Kobelt, Valerius, Berlin, Germany. Purifying water. No. 1,274,560; Aug. 6; v. 253; p. 63.
Kobiolke, Adolf M., Kew, Victoria, Australia. Forming tire casings or covers. No. 1,261,821; Apr. 9; v. 249; p. 268.
Koch, Charles A., Austin, Tex. Hat-pin-point protector. No. 1,262,058; Apr. 9; v. 249; p. 330.
Koch, Charles J., Easton, Pa. Counter-refrigerator. No. 1,289,815; Dec. 31; v. 257; p. 1010.
Koch, Charles N., Kane, Pa. Type-writer. No. 1,258,688; Mar. 12; v. 248; p. 254.
Koch, Felix, Bellevue, and A. K. Pehrson, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. No. 1,278,169; Sept. 10; v. 254; p. 253.
Koch, Frank, and H. Granvill, Scranton, Pa. Automatic shutter. No. 1,277,951; Sept. 3; v. 254; p. 169.
Koch, George P., New Brunswick, N. J. Camera. No. 1,265,456; May 7; v. 250; p. 161.
Koch, Gotthardt, Chicago, Ill. Automobile-lock. No. 1,267,557; May 28; v. 250; p. 829.
Koch, Henry F., St. Louis, Mo. Portable building. No. 1,258,788; Mar. 12; v. 248; p. 282.

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Koch, John, and D. Guaglianome, Bristol, Pa. Billiard-cue tip. No. 1,257,249; Feb. 19; v. 247; p. 701.
Koch, John, Jr., Brookline, Mass. Toy. No. 1,275,567; Aug. 13; v. 253; p. 368.
Koch, Maximilian N., Buffalo, N. Y. Cuspidor. No. 1,257,250; Feb. 19; v. 247; p. 701.
Koch, William F., Brooklyn, N. Y. Micrometer. No. 1,254,607; Jan. 22; v. 246; p. 999.
Koch, William F., Hillside, Colo. Detachable rake-tooth point. No. 1,256,809; Feb. 19; v. 247; p. 572.
Kochanski, Henri L., Paris, France. Extensible bracelet. No. 1,263,903; Apr. 23; v. 249; p. 896.
Kochendorfer, Frederic S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Baking-oven. No. 1,252,813; Jan. 8; v. 246; p. 429.
Kocialek, George J., Avoca, Pa. Water-bomb. No. 1,272,461; July 16; v. 252; p. 538.
Kocialek, George J., Avoca, Pa. Aerial torpedo. No. 1,275,445; Aug. 13; v. 253; p. 334.
Kocourek, Henry, Jersey City, N. J., assignor to J. B. Stewart, executrix. Winding-mount for power-springs. No. 1,255,431; Feb. 5; v. 247; p. 92.
Kocourek, Henry, Jersey City, N. J., assignor to J. B. Stewart, executrix. Strap-brake. No. 1,255,432; Feb. 5; v. 247; p. 92.
Kocourek, Henry, Jersey City, N. J., assignor to J. B. Stewart, executrix. Solenoid-operated liquid-fuel-supply-maintaining device for internal-combustion engines. No. 1,257,613; Feb. 26; v. 147; p. 843.
Kocourek, Henry, Jersey City, N. J., assignor to J. B. Stewart, executrix. Snap-switch device. No. 1,264,529; Apr. 30; v. 249; p. 1102.
Kocourek, Henry, Jersey City, N. J., assignor to J. B. Stewart, executrix. Spring-winding electric motor. No. 1,266,280; May 14; v. 250; p. 419.
Kocourek, Henry, Jersey City, N. J., assignor to L. H. La Chance and M. Taylor, administrators. Primer for internal-combustion engines. No. 1,270,626; June 25; v. 251; p. 785.
Kocourek, Henry, assignor, by mesne assignments, to L. H. La Chance and M. Taylor, administrators, Jersey City, N. J. Spring-starter for automobile-engines. No. 1,280,241; Oct. 1; v. 255; p. 35.
Koechlin, Isaac, Levallois-Perret, assignor to Societe Anonyme Des Automobiles & Cycles Peugeot, Paris, France. Disk clutch. No. 1,270,529; June 25; v. 251; p. 758.
Koehl, George J., San Diego, assignor to Lightening Machine Co., San Diego county, Cal. Cranking device for explosive-engines. No. 1,271,476; July 2; v. 252; p. 201.
Koehler, Bert J., Brenham, Tex. Display-rack. No. 1,255,097; Jan. 29; v. 246; p. 1170.
Koehler, Charles. (See McIntyre and Koehler.)
Koehler, Clinton A., Easton, Pa., and C. C. Crosson, Alpha, N. J. Pulverizing-machine. No. 1,257,882; Feb. 26; v. 247; p. 922.
Koehler, Frederick G., assignor to The Borden Company, Warren, Ohio. Die-stock. No. 1,284,709; Nov. 12; v. 256; p. 358.
Koehler & Heinrichs Co. (See Fischer, William R., assignor.)
Koehler, Herman C., Milwaukee, Wis. Broom-protector. No. 1,287,047; Dec. 10; v. 257; p. 246.
Koehler, Otto F. (See Hoefler and Koehler.)
Koehler, Rudolph, St. Louis, Mo. Locking device. No. 1,287,343; Dec. 10; v. 257; p. 321.
Koehler, Rudolph, St. Louis, Mo. Locking device. No. 1,287,344; Dec. 10; v. 257; p. 321.
Koehring Machine Company. (See Currie, Adam, assignor.)
Koehring Machine Company. (See Daniel, John, assignor.)
Koehring Machine Company. (See Lichtenberg, Erich H., assignor.)
Koella, Frederick E., Toledo, Ohio. Feed means for film-disks. No. 1,254,239; Jan. 22; v. 246; p. 892.
Koelsch, Henry J., Milwaukee, Wis. Neck-yoke. No. 1,275,446; Aug. 13; v. 253; p. 335.
Koenig, August, Lowell, assignor to The Lamson Company, Boston, Mass. Pneumatic-carrier-decelerating apparatus. No. 1,256,024; Feb. 12; v. 247; p. 304.
Koenig, Frank R., Masonville, Colo. Gun-sight. No. 1,276,545; Aug. 20; v. 253; p. 672.
Koenig, Frederick, Pittsburg, Pa. Fuel-arch breaker for locomotive-stokers. No. 1,258,420; Mar. 5; v. 248; p. 138.
Koenig, Harry A., Philadelphia, Pa. Edge turning and pressing machine. No. 1,275,044; Aug. 6; v. 253; p. 200.
Koenig, Joseph, Two Rivers, Wis. Internal-combustion engine. No. 1,265,092; May 7; v. 250; p. 62.
Koenigkramer, Frank, Cincinnati, Ohio. Treating-table. No. 1,286,027; Nov. 26; v. 256; p. 769.
Koepp & Co., Rudolph. (See Eyer, Philipp, assignor.)
Koerber, Anthony F., Detroit, Mich. Candy-pulling machine. No. 1,282,240; Oct. 22; v. 255; p. 679.
Koerber, Anthony F., Detroit, Mich. Candy-pulling machine. No. 1,282,866; Oct. 29; v. 255; p. 878.
Koerber Co., F. C. (See Sterling, Frederick W., assignor.)
Koerner, Paul B., Kansas City, Kans. Draining utensil. No. 1,281,026; Oct. 8; v. 255; p. 277.
Koerner, Walter E. (See Fink and Koerner.)
Koester, Anton L., Gorham, Kans. Windmill. No. 1,263,326; Apr. 16; v. 249; p. 715.
Koester C. E. (See Henderson, John E., assignor.)
Koetschet, Joseph, Lyon, assignor to Societe Chimique Des Usines Du Rhone, Paris, France. Manufacture of cellulose acetate. No. 1,258,913; Mar. 12; v. 248; p. 319.
Koetschet, Joseph, Lyon, and M. Theumann, St. Fons, assignors to Societe Chimique Des Usines Du Rhone, Paris, France. Making nitro acetic esters of cellulose. No. 1,286,025; Nov. 26; v. 256; p. 768.
Kohl, John A., Cuyahoga Falls, Ohio. Car stop or brake. No. 1,252,589; Jan. 8; v. 246; p. 366.
Kohler, Carl G. O. H. von, Stockholm, Sweden. Match-box. No. 1,286,158; Nov. 26; v. 256; p. 800.
Kohler, Ernest, Alameda, Cal. Game. No. 1,260,396; Mar. 26; v. 248; p. 809.
Kohler, Frances. (See Kohler, Magnus, assignor.)
Kohler, Frederick E., assignor to The F. E. Kohler Company, Canton, Ohio. Rake. No. 1,263,255; Apr. 16; v. 249; p. 696.
Kohler, George, Seattle, Wash. Roof fire-extinguisher. No. 1,285,236; Nov. 19; v. 256; p. 531.
Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-seat. No. 1,281,793; Oct. 15; v. 255; p. 517.
Kohler, George H. A., New York, N. Y., assignor to Tuckaway Folding Ladder Company, Inc. Collapsible step-ladder. No. 1,267,670; May 28; v. 250; p. 861.
Kohler, Magnus, assignor of one-fourth to F. Kohler, Philadelphia, Pa. Picker-staff connection for looms. No. 1,288,926; Dec. 24; v. 257; p. 767.
Köhler, Rudolf, and O. Baltin, Lipine, Germany. Utilizing the residues obtained in the distillation of zinc. No. 1,275,045; Aug. 6; v. 253; p. 200.
Kohler, Ulrich, and C. Stöcklin, assignors to Hasler A. G. vormals Telegraphen-Werkstätte von G. Hasler, Berne, Switzerland. Speed-counter. No. 1,275,269; Aug. 13; v. 253; p. 286.
Kohlhaas, Frank J., Calumet, Mich. Shoe-lace fastener. No. 1,266,823; May 21; v. 250; p. 599.
Kohlhepp, John W., Chicago, Ill., assignor to The Allbright-Nell Company. Carcass dehairing and scraping machine. No. 1,260,269; Mar. 19; v. 248; p. 737.
Kohlhepp, John W., Chicago, Ill., assignor to The Allbright-Nell Company. Scraping and cleaning machine for carcasses. No. 1,260,270; Mar. 19; v. 248; p. 737.
Kohlins, William N., Newark, N. J. Liquid paper-filler and making the same. No. 1,261,135; Apr. 2; v. 249; p. 41.
Kohlman, Dirk L., Dordrecht, Netherlands. Collapsible baby and wheeling chair and carriage. No. 1,256,701; Feb. 19; v. 247; p. 541.
Kohlmyer, Henry, Lorain, Ohio. Railway-track structure. (Reissue.) No. 14,431; Feb. 12; v. 247; p. 449.
Kohman, Henry A., Pittsburgh, Pa., assignor to Ward Baking Company, New York, N. Y. Manufacture of leavened bread. No. 1,274,898; Aug. 6; v. 253; p. 159.
Kohman, Henry A., Pittsburgh, Pa., C. Hoffman, New Rochelle, N. Y., and A. E. Blake, Pittsburgh, Pa., assignors, by mesne assignments, to Ward Baking Company, New York, N. Y. Bread-making composition. No. 1,282,867; Oct. 29; v. 255; p. 878.
Kohman, Henry A., Pittsburgh, Pa., C. Hoffman, New Rochelle, N. Y., and A. E. Blake, Pittsburgh, Pa., assignors, by mesne assignments, to Ward Baking Company New York, N. Y. Bread-making composition. No. 1,282,868; Oct. 29; v. 255; p. 879.
Kohn, Charles, and W. D. Stitzel, Pawnee City, Nebr. Draft-evener. No. 1,260,402; Mar. 26; v. 248; p. 810.
Kohn, Leo M., Buffalo, N. Y. Fabric-folding machine. No. 1,272,462; July 16; v. 252; p. 539.
Kohn, Louis A. (See Hipwell and Hopkins, assignors.)
Kohn, Maurice R., St. Louis, Mo., assignor to C. A. Champlin, Hope, Ark. Valve. No. 1,277,606; Sept. 3; v. 254; p. 76.
Kohn, Otto J., Tamarack, Minn. Transmission mechanism. No. 1,289,195; Dec. 31; v. 257; p. 856.
Kohn, Samuel, Chicago, Ill. Film-reel. No. 1,267,773; May 28; v. 250; p. 890.
Kohn, Sigmund F., New York, N. Y. Toy whistle. No. 1,259,875; Mar. 19; v. 248; p. 625.
Kohncke, Wilhelm A., Lewistown, Ill. Composition for making waterproof and fireproof roofs, &c. No. 1,264,307; Apr. 30; v. 249; p. 1040.
Kohnle, Frederick, assignor to The Monarch Tag Company, Dayton, Ohio. Price-tag. No. 1,272,057; July 9; v. 252; p. 400.
Kohnz, Jacob, Jr., Fultz, Ill. Bread and meat slicer. No. 1,278,682; Sept. 10; v. 254; p. 391.
Kolaczynski, Jan. (See Niec, Michael, assignor.)
Kolb, George F. (See Pedrick and Kolb.)
Kolby, James A., L. P. Larsen, and C. P. Neilsen, assignors to Kolby Wheel Company, Ephraim, Utah. Resilient wheel. No. 1,286,348; Dec. 3; v. 257; p. 40.
Kolby, Nicolas, Chicago, Ill. Sound-control mechanism. No. 1,256,025; Feb. 12; v. 247; p. 304.
Kolby Wheel Company. (See Kolby, Larsen, and Neilsen, assignors.)
Koleszar, Joseph, and J. Gabosh, Newark, N. J. Lock. No. 1,286,026; Nov. 26; v. 256; p. 768.

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Koiff, Petrus, Philadelphia, Pa., assignor, by mesne assignments, to The Electric Tachometer Corporation. Tachometer. No. 1,266,487; May 14; v. 250; p. 473.
Kolff, Petrus V., Philadelphia, Pa., assignor, by mesne assignments, to The Electric Tachometer Corporation. Adjustable support for commutator-brushes. No. 1,270,957; July 2; v. 252; p. 58.
Kolibas, John, Cleveland, Ohio. Package tie or holder. No. 1,281,586; Oct. 15; v. 255; p. 462.
Kolkiewicz, Anthony, and M. M. Weinstein, Detroit, Mich. Spreading and locking device. No. 1,287,048; Dec. 10; v. 257; p. 247.
Kolla, John P., assignor to The Holland Furnace Company, Holland, Mich. Casting furnace fire-pots. No. 1,257,493; Feb. 26; v. 247; p. 807.
Kollberg, Frederick B., Bisbee, Ariz., and Max Kraut, Los Angeles, Cal., assignors to Southwestern Engineering Company. Process of aerating liquid. No. 1,261,556; Apr. 2; v. 249; p. 161.
Kollberg, Frederick B., Bisbee, Ariz., and M. Kraut, Los Angeles, Cal., assignors to Southwestern Engineering Company. Flotation-machine. (Reissue.) No. 14,522; Sept. 17; v. 254; p. 638.
Kollmann, Fred, Greene, Iowa. Lubricating apparatus. No. 1,278,940; Sept. 17; v. 254; p. 491.
Kollman, William H., Belle Plaine, Iowa. Canning appliance. No. 1,273,622; July 23; v. 252; p. 884.
Kollock, George L., and R. P. Martin, assignors to Universal Hammer Company, Seattle, Wash. Automatic hammer. No. 1,273,873; July 30; v. 252; p. 989.
Kolody, Andrew, assignor of one-half to J. Demkowitch, Chicago, Ill. Lock. No. 1,262,809; Apr. 16; v. 249; p. 571.
Kolpak, Joseph, Buffalo, N. Y. Grenade. No. 1,279,359; Sept. 17; v. 254; p. 603.
Koltko, John, Watertown, Conn. Smoke-diffusing apparatus. No. 1,278,170; Sept. 10; v. 254; p. 253.
Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Receptacle. No. 1,257,614; Feb. 26; v. 247; p. 844.
Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Spinning-top. No. 1,267,558; May 28; v. 250; p. 829.
Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Bank. No. 1,276,664; Aug. 20; v. 253; p. 704.
Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Coin-guard. No. 1,280,243; Oct. 1; v. 255; p. 36.
Komow, Nicolas. (See Zawistowski and Komow.)
Kompula, Matt A., Calumet, Mich. Implement for twisting wire. No. 1,252,590; Jan. 8; v. 246; p. 369.
Komrosky, Alice, Valley City, N. D. Mail-box. No. 1,261,037; Apr. 2; v. 249; p. 14.
Komrosky, Charles, Sanborn, N. D. Potato-cutting machine. No. 1,278,356; Sept. 10; v. 254; p. 304.
Konczewski, Ignacy, Cleveland, Ohio. Horseshoe-calk. No. 1,269,824; June 18; v. 251; p. 542.
Kondolf, Frank N. (See Kondolf, Mathias R., assignor.)
Kondolf, Mathias R., Rochester, assignor to F. N. Kondolf, New York, N. Y. Process and apparatus for making boxes. No. 1,277,428; Sept. 3; v. 254; p. 27.
Kondolf, Mathias R., Rochester, assignor to F. N. Kondolf, New York, N. Y. Making boxes. No. 1,284,196; Nov. 5; v. 256; p. 200.
Kondolf, Mathias R., Rochester, assignor to F. N. Kondolf, New York, N. Y. Box. No. 1,284,908; Nov. 12; v. 256; p. 409.
Kone, Henry H., Summerfield, Kans. Rotary tooth-brush. No. 1,257,883; Feb. 26; v. 247; p. 922.
Kono, Eijiro, *et al.* (See Kawakita, Yoshinaofi assignor.)
Konopski, Paul, Lovering Camp, Ontario, Canada. Diver's suit. No. 1,285,741; Nov. 26; v. 256; p. 697.
Konsynski, Benjamin B., Hammond, Ind. Match-box. No. 1,270,301; June 25; v. 251; p. 694.
Koob, John P., Sunapee, N. H. Clothes-pin. No. 1,274,280; July 30; v. 252; p. 1104.
Koon, Elmer L., Woodward, Okla. Kafir-corn header. No. 1,267,559; May 28; v. 250; p. 830.
Koop, Paul G., Summerland, British Columbia, Canada. Gasolene-storage tank. No. 1,283,530; Nov. 5; v. 256; p. 25.
Koos, Carl H., Davenport, Iowa. Collapsible bucket. No. 1,260,779; Mar. 26; v. 248; p. 922.
Kopcinski, Alexander A., and P. Hanas, St. Joseph, Mo. Hog-foot saver. No. 1,285,237; Nov. 19; v. 256; p. 531.
Kopczyk, John, assignor to N. Sieniawski, Kenosha, Wis. Telephone attachment. No. 1,262,958; Apr. 16; v. 249; p. 613.
Kopeć, John, Elizabeth, N. J. Life-saving suit. No. 1,262,358; Apr. 9; v. 249; p. 415.
Kopf, Melrose G., assignor, by mesne assignments, to The McCormick Laboratories Company, Dayton, Ohio. Temperature-indicator. No. 1,256,331; Feb. 12; v. 247; p. 397.
Kopke, William F., Dayton, Ohio. Resilient wheel. No. 1,269,286; June 11; v. 251; p. 361.
Kopp, Theodore, Philadelphia, Pa. Knitting apparatus. No. 1,286,349; Dec. 3; v. 257; p. 41.
Kopp, Theodore, Philadelphia, Pa. Needle. No. 1,286,350; Dec. 3; v. 257; p. 41.
Kopp, William, Detroit, Mich. Window-raising device. No. 1,260,550; Mar. 26; v. 248; p. 854.
Koppe, Alexander T., South Bend, Ind., assignor to Offset Directo-Plate Company, Chicago, Ill. Machine for making offset press-plates. No. 1,277,429; Sept. 3; v. 254; p. 28.
Koppe, Joseph, Canton, Ohio. Adjustable pad for shoe-tongues. No. 1,255,616; Feb. 5; v. 247; p. 146.
Koppin, Harry K. (See Tompkins and Koppin.)
Kopple, Morris D. (See Bangerter, Friedrich, assignor.)
Koprinski, Casimir, Chicago, Ill. Game. No. 1,256,575; Feb. 19; v. 247; p. 504.
Kops Bros. (See Kops, Waldemar, assignor.)
Kops Bros. (See Kops and Cooper, assignors.)
Kops, Daniel, New York, N. Y. Brassière. No. 1,252,124; Jan. 1; v. 246; p. 200.
Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,253,053; Jan. 8; v. 246; p. 502.
Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,254,512; Jan. 22; v. 246; p. 971.
Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,260,210; Mar. 19; v. 248; p. 720.
Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,260,211; Mar. 19; v. 248; p. 720.
Kops, Daniel, New York, N. Y. Brassière. No. 1,272,940; July 16; v. 252; p. 676.
Kops, Daniel, New York, N. Y. Brassière. No. 1,275,046; Aug. 6; v. 253; p. 200.
Kops, Daniel, New York, N. Y. Brassière. No. 1,288,927; Dec. 24; v. 257; p. 767.
Kops, Waldemar, New York, N. Y. Apparel-corset. No. 1,256,576; Feb. 19; v. 247; p. 504.
Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Brassière. No. 1,253,052; Jan. 8; v. 246; p. 502.
Kops, Waldemar, and S. Cooper, assignors to Kops Bros., New York, N. Y. Machine for making corset-stay units. No. 1,259,414; Mar. 12; v. 248; p. 461.
Korach, Louis L., Chicago, Ill. Rail anchor or anti-creeper. No. 1,265,093; May 7; v. 250; p. 63.
Koranek, John, assignor to White Brass Castings Company, Chicago, Ill. Closure for coin-slots. No. 1,286,653; Dec. 3; v. 257; p. 114.
Korb, Fred J., Chicago, Ill. Invisible hinge. No. 1,282,435; Oct. 22; v. 255; p. 732.
Korf, Samuel, assignor, by mesne assignments, to H. J. Finder, trustee, Chicago, Ill. Advertising appliance. No. 1,288,928; Dec. 24; v. 257; p. 767.
Korff Manufacturing Co. (See Smith, Mark H., assignor.)
Korn, Oscar, Detroit, Mich. Visual signal for automobiles. No. 1,272,969; July 16; v. 252; p. 683.
Kornbrath, Rudolph J. (See Wiedeman, Frank X., assignor.)
Korndorfer, Caspar J., Richmond borough, N. Y. Check-book. No. 1,273,874; July 30; v. 252; p. 990.
Kornstein, Ulrich, New York, N. Y. Lock. No. 1,264,814; Apr. 30; v. 249; p. 1179.
Kornstein, Ulrich, New York, N. Y. Fountain-pen. No. 1,271,477; July 2; v. 252; p. 201.
Kornstein, Ulrich, New York, N. Y. Crutch. No. 1,288,929; Dec. 24; v. 257; p. 767.
Kornstein, Ulrich, assignor of one-half to J. S. Friedman, New York, N. Y. Detachable heel. No. 1,268,731; June 4; v. 251; p. 187.
Korthals-Altes, Willem C., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. No. 1,257,884; Feb. 26; v. 247; p. 923.
Korthals-Altes, Willem C., Schenectady, N. Y., assignor, to General Electric Company. Rotary converter. No. 1,263,436; Apr. 23; v. 249; p. 768.
Korthals-Altes, Willem C., Schenectady, N. Y., assignor to General Electric Company. Motor-winding. No. 1,267,232; May 21; v. 250; p. 714.
Korthals-Altes, Willem C., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,279,360; Sept. 17; v. 254; p. 604.
Kosack, Paul, Grand Island, Nebr. Wall construction. No. 1,262,212; Apr. 9; v. 249; p. 374.
Kosenko, Vasily, New York, N. Y. Engine-lubricating device. No. 1,287,701; Dec. 17; v. 257; p. 439.
Koshalko, Charles, Cleveland, Ohio. Air-operated toy. No. 1,251,673; Jan. 1; v. 246; p. 70.
Kosiba, Wojciech, Northbridge, Mass. Vehicle-signal. No. 1,283,805; Nov. 5; v. 256; p. 95.
Kosmerl, Josiph, Collinwood, Ohio. Revolving refrigerator. No. 1,282,241; Oct. 22; v. 255; p. 680.
Koss, John M. (See Stiner and Koss.)
Kossmann, John H., St. Louis, Mo. Railway-rail joint. No. 1,268,732; June 4; v. 251; p. 187.
Kossmann, John H., St. Louis, Mo. Resilient tire. No. 1,269,720; June 18; v. 251; p. 512.
Kossmann, Max, Brooklyn, N. Y. Lamp-shade holder. No. 1,282,593; Oct. 22; v. 255; p. 774.
Kossmann, Max, Brooklyn, N. Y. Lamp-stand. No. 1,282,594; Oct. 22; v. 255; p. 774.
Kossmann, Max, Brooklyn, assignor to Robert Findlay Manufacturing Company, New York, N. Y. Lamp-shade holder. No. 1,278,808; Sept. 10; v. 254; p. 424.
Kost, Alwin, Seattle, Wash. Physical-culture apparatus. No. 1,257,957; Feb. 26; v. 247; p. 943.
Kost, Joseph L., assignor of one-half to J. H. Shively, Galveston, Tex. Mail-bag-delivering apparatus. No. 1,266,824; May 21; v. 250; p. 599.

Kosta, Emanuel, Monticello, Wis. Flexible or rigid hand-bag. No. 1,273,875; July 30; v. 252; p. 990.
Koster, John L. (See Schott, Rudolf F., assignor.)
Koster, William H., Brooklyn, N. Y. Baby-carriage seat. No. 1,289,477; Dec. 31; v. 257; p. 928.
Kostewich, Joseph, Newport, N. H. Sled-bicycle. No. 1,281,980; Oct. 15; v. 255; p. 567.
Kostiw, William, Buffalo, N. Y. Ship-protector. No. 1,252,814; Jan. 8; v. 246; p. 430.
Kostiw, William, assignor of one-half to H. Kudlak, Buffalo, N. Y. Life-saving suit. No. 1,267,086; May 21; v. 250; p. 672.
Kostolek, John, New York, N. Y. Milk-boiler. No. 1,255,021; Jan. 29; v. 246; p. 1149.
Kostolek, John, New York, N. Y. Milk-boiler. (Reissue.) No. 14,460; Apr. 23; v. 249; p. 958.
Kostrzewa, Wladyslaw, Chicago, Ill. Combination furniture. No. 1,284,710; Nov. 12; v. 256; p. 358.
Kostudowicz, Marya, Chicago, Ill. Adjustable window-grating. No. 1,266,690; May 21; v. 250; p. 562.
Koszkowski, Mike, New Kensington, Pa. Wire-cutter. No. 1,289,196; Dec. 31; v. 257; p. 857.
Koth-Bayer. (See Bayer, Harry, assignor.)
Kothny, Gottdank L., and R. Suczek, assignors to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Ejector condensate-pump. No. 1,273,876; July 30; v. 252; p. 990.
Kothny, Gottdank L., and R. Suczek, assignors to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Fluid-compressing apparatus. No. 1,282,595; Oct. 22; v. 255; p. 774.
Kotkas, Rudolph, Portland, Oreg. Circuit-closer device. No. 1,280,242; Oct. 1; v. 255; p. 36.
Kottke, Edward A., Hutchinson, Minn. Detachable auto-pulley. No. 1,262,959; Apr. 16; v. 249; p. 614.
Kotts, Garrett W., Hope, N. D. Lightning-arrester. No. 1,268,733; June 4; v. 251; p. 187.
Kotze, Frank C., Newark, N. J. Vehicle-tire. No. 1,269,459; June 11; v. 251; p. 407.
Kotzich, Frank J., assignor to A. Stein & Company, Chicago, Ill. Machine for shaping metal. No. 1,288,037; Dec. 17; v. 257; p. 524.
Koubek, Frank, Cleveland, Ohio. Fender. No. 1,281,397; Oct. 15; v. 255; p. 413.
Koukol, Clement J. (See Shaw and Koukol.)
Kovach, Harry, Taylor Springs, Ill. Rail-fastening means. No. 1,258,228; Mar. 5; v. 248; p. 81.
Kovachevich, Janko, Gary, Ind. Waste-receptacle for domestic use. No. 1,281,587; Oct. 15; v. 255; p. 463.
Kovachich, Mÿo, Pittsburgh, Pa. Rail-fastener. No. 1,266,488; May 14; v. 250; p. 474.
Kovacs, Benjamin. (See Laszlo and Kovacs.)
Kovacs, Benjamin, New York, N. Y. Safety door-lock. No. 1,265,713; May 7; v. 250; p. 228.
Kovacs, Charles, Perth Amboy, N. J., assignor of one-half to J. Kerekes, Greenpoint, N. Y. Resilient wheel. No. 1,267,876; May 28; v. 250; p. 921.
Kovalski, Feodor, West Lynn, Mass. Padlock. No. 1,252,815; Jan. 8; v. 246; p. 430.
Kovar, Joseph J., Dodge Center, Minn. Spring-toothed harrow. No. 1,266,489; May 14; v. 250; p. 474.
Koven & Brother, L. O. (See Furman, George B., assignor.)
Kovnat, William, New York, N. Y. Oil-collector. No. 1,276,079; Aug. 20; v. 253; p. 542.
Kowalczyk, Antoni. (See Cozel, Kowalczyk, and Nayda.)
Kowalski, Gus J., Detroit, Mich. Projectile. No. 1,274,281; July 30; v. 252; p. 1104.
Kownaczki, Joseph, Tamaroa, Ill. Wire-cutter. No. 1,276,080; Aug. 20; v. 253; p. 542.
Kozak, John, Milwaukee, Wis. Automobile-tire. No. 1,289,478; Dec. 31; v. 257; p. 928.
Kozak, John, Milwaukee, Wis. Comb-cleaning device. No. 1,282,869; Oct. 29; v. 255; p. 879.
Kozatek, Joseph, New Kensington, Pa. Folding bed. No. 1,252,351; Jan. 1; v. 246; p. 261.
Kozlowski, Wladyslaw, Warsaw, Russia. Stop-motion for spinning and twisting machines. No. 1,285,742; Nov. 26; v. 256; p. 698.
Kozmouski, John L., Boston, Mass., assignor to The Randall-Faichney Company, Inc. Hypodermic-syringe case. No. 1,275,270; Aug. 13; v. 253; p. 286.
Krabowski, Victor. (See Brzostowski and Krabowski.)
Kraemer, Thomas. (See Sheble and Kraemer.)
Kraemer, Thomas, assignor to Domestic Talking Machine Corporation, Philadelphia, Pa. Talking-machine. No. 1,262,810; Apr. 16; v. 249; p. 571.
Kraemer, William A., Chicago, Ill. Crusher. No. 1,282,870; Oct. 29; v. 255; p. 879.
Krafft, Alfred, Honolulu, Hawaii. Treating raw-sugar juices. No. 1,271,914; July 9; v. 252; p. 357.
Krafft, Frederick W., Berkeley, Cal. Garment supporter and stretcher. No. 1,252,125; Jan. 1; v. 246; p. 200.
Krafft, Frederick W., Berkeley, Cal. Wall-paper cutter. No. 1,279,880; Sept. 24; v. 254; p. 774.
Kraft, August H., Rosemount, Minn. Governor for explosive-engines. No. 1,274,422; Aug. 6; v. 253; p. 23.
Kraft, Henry P. (See Schweinert and Kraft.)
Kraft, Henry P., Ridgewood, N. J. Combined valve-cap and pump-coupling. No. 1,261,405; Apr. 2; v. 249; p. 118.
Kraft, Henry P., Ridgewood, N. J. Nut for bolts or the like. No. 1,281,174; Oct. 8; v. 255; p. 319.
Kraft, Henry P., Ridgewood, N. J. Nut or the like. No. 1,282,871; Oct. 29; v. 255; p. 879.
Kraft, Herman T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Suspension-patch for balloons. No. 1,272,058; July 9; v. 252; p. 400.
Kraft, William. (See Schulz and Kraft.)
Krag, Erik L. (See Bystrom, John, assignor.)
Kragiel, Wincenty, Norwalk, Conn. Fan. No. 1,256,026; Feb. 12; v. 247; p. 304.
Kragiel, Wincenty, Norwalk, Conn. Lock. No. 1,280,764; Oct. 8; v. 255; p. 206.
Kragullacz, Mike, Pittsburgh, Pa. Switch-throwing mechanism. No. 1,282,872; Oct. 29; v. 255; p. 879.
Krajwski, Walter. (See Maliszewski, Vincent F., assignor.)
Kraker, Henry, Holland, Mich. Humidifier for heating plants. No. 1,271,587; July 9; v. 252; p. 266.
Kralicek, Charles, assignor of one-half to J. Vanis, Cleveland, Ohio. Oiling device. No. 1,282,873; Oct. 29; v. 255; p. 880.
Krall, Richard H., Camden, N. J. Refrigerator. No. 1,254,513; Jan. 22; v. 246; p. 971.
Kralovich, John, Binghamton, N. Y. Direction-indicator. No. 1,276,230; Aug. 20; v. 253; p. 584.
Kralund, John, Brooklyn, N. Y., assignor to Doehler Die Casting Company. Casting apparatus. No. 1,257,885; Feb. 26; v. 247; p. 923.
Kralund, John, assignor to Doehler Die Casting Company, Brooklyn, N. Y. Casting-machine. No. 1,266,825; May 21; v. 250; p. 599.
Kralund, John, Brooklyn, N. Y., assignor to Doehler Die Casting Company. Metallurgical furnace. No. 1,284,711; Nov. 12; v. 256; p. 358.
Kralund, John, assignor to Doehler Die Casting Company, Brooklyn, N. Y. Intricate tubular casting and making same. No. 1,286,654; Dec. 3; v. 257; p. 115.
Kramer, Abe, Des Moines, Iowa. Double safety-envelop. No. 1,285,238; Nov. 19; v. 256; p. 531.
Kramer, Andrew A. (See Griffin, Alvah M., assignor.)
Kramer, Andrew A., Kansas City, Kans. Eaves-trough construction for sheet-metal buildings. No. 1,258,914; Mar. 12; v. 248; p. 319.
Kramer, Andrew A., Kansas City, Kans. Vent cap or plug for oil or like tanks. No. 1,258,915; Mar. 12; v. 248; p. 319.
Kramer, Andrew A., Kansas City, Kans. Fluid-dispensing-tank construction. No. 1,269,460; June 11; v. 251; p. 408.
Kramer, Andrew A., Kansas City, Mo. Soldering-iron. No. 1,285,239; Nov. 19; v. 256; p. 531.
Kramer, Benjamin G., Anderson, Ind. Rotary explosion-engine. No. 1,287,049; Dec. 10; v. 257; p. 247.
Kramer, Charles H., Pittsburgh, Pa. Vehicle. No. 1,283,214; Oct. 29; v. 255; p. 972.
Kramer, Dorothy A., *et al.* (See Kramer, Ernest A. and H., assignors.)
Kramer, Ernest, *et al.* (See McQueen, Clarence A., assignor.)
Kramer, Ernest A. (See Allen, William H., assignor.)
Kramer, Ernest A., and H. Kramer, deceased, J. D. Kramer, executor, assignors of one-sixth to E. A. Kramer, one-sixth to J. D. Kramer, and one-sixth to M. Kramer, Grant Park, one-sixth to H. Kramer, Jr., Crete, one-sixth to D. A. Kramer, Chicago, Ill., and one-sixth to F. W. Kramer, Kingdon, Cal. Animal-releasing device. No. 1,270,173; June 18; v. 251; p. 634.
Kramer, Erwin, Carlstadt, N. J. Garment-fastener holder. No. 1,274,282; July 30; v. 252; p. 1105.
Kramer, Erwin, Carlstadt, N. J. Hook-and-eye tape. No. 1,274,283; July 30; v. 252; p. 1105.
Kramer, Fred W., *et al.* (See Kramer, Ernest A. and H., assignors.)
Kramer, Fritz, Blythedale, Pa. Journal-bearing. No. 1,279,881; Sept. 24; v. 254; p. 775.
Kramer, Gustav A., New York, N. Y., assignor, by mesne assignments, to The Frigidor Corporation. Refrigeration apparatus. No. 1,280,765; Oct. 8; v. 255; p. 207.
Kramer, Gustav A., assignor to Frigidor Corporation, New York, N. Y. Refrigerating apparatus. No. 1,281,027; Oct. 8; v. 255; p. 277.
Kramer, Harry J., Boston, Mass. Garment-pattern-making guide. No. 1,278,683; Sept. 10; v. 254; p. 392.
Kramer, Henry. (See Kramer, Ernest A. and H.)
Kramer, John D., executor. (See Kramer, Ernest A. and H.)
Kramer, John W. (See Thibodeaux, Arthur J., assignor.)
Kramer, Julius, J., Umhofer, F. J. Eral, and H. Wildberger, assignors to Pullman Couch Company, Chicago, Ill. Sofa-bed. No. 1,271,725; July 9; v. 252; p. 306.
Kramer, Louis A., Chicago, Ill. Hog-dehairing machine. No. 1,276,546; Aug. 20; v. 253; p. 672.
Kramer, Marguerite, *et al.* (See Kramer, Ernest A. and H., assignors.)
Kramer, William, New York, N. Y. Attachment for lathes and the like. No. 1,260,271; Mar. 19; v. 248; p. 737.
Kramlich, John M., Philadelphia, Pa. Toy vehicle. No. 1,279,555; Sept. 24; v. 254; p. 679.

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Krannichfeldt, Johann, Cologne-Niehl-on-the-Rhine, Germany. Electric igniter. No. 1,263,256; Apr. 16; v. 249; p. 697.
Krantz, Edward, assignor of one-half to C. H. Ehrlich, Chicago, Ill. Detachable broom-handle. No. 1,289,816; Dec. 31; v. 257; p. 1010.
Krantz, Hermann, Aachen, Germany. Dyeing elongated bodies of yarn or the like. No. 1,257,886; Feb. 26; v. 247; p. 924.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Switch mechanism. No. 1,256,332; Feb. 12; v. 247; p. 397.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Meter-panel. No. 1,257,289; Feb. 19; v. 247; p. 714.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Automatic motor-starter. No. 1,267,324; May 21; v. 250; p. 737.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Floor-box. No. 1,271,478; July 2; v. 252; p. 201.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Oil-switchboard. No. 1,272,677; July 16; v. 252; p. 601.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Panel-board. No. 1,273,623; July 23; v. 252; p. 884.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Self-actuating safety-panel. (Reissue.) No. 14,498; July 30; v. 252; p. 1125.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Inc., Brooklyn, N. Y. Electrical switch. No. 1,275,047; Aug. 6; v. 253; p. 201.
Krantz, Hubert F., assignor to Krantz Manufacturing Company, Brooklyn, N. Y. Meter-panel. No. 1,277,321; Aug. 27; v. 253; p. 915.
Krantz, Joseph A., assignor to The Reeves Manufacturing Company, Canal Dover, Ohio. Plant forcer and protector. No. 1,266,131; May 14; v. 250; p. 378.
Krantz Manufacturing Company. (See Krantz, Hubert F., assignor.)
Kranz, Frank, St. Louis, Mo. Wire-stretcher. No. 1,287,050; Dec. 10; v. 257; p. 247.
Krarup, Marius C., New York, N. Y. Rebound-check. No. 1,258,021; Mar. 5; v. 248; p. 22.
Krasny, Frank E., Irvington, N. J. Button-cutting machine. No. 1,271,042; July 2; v. 252; p. 82.
Krathwohl, Charles W., Chicago, Ill. Roundabout. No. 1,255,022; Jan. 29; v. 246; p. 1149.
Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Starting system for internal-combustion engines. No. 1,259,876; Mar. 19; v. 248; p. 625.
Kratz, Franz, and G. Honold, assignors to the firm of R. Bosch, Stuttgart, Germany. Electric switch. No. 1,277,223; Aug. 27; v. 253; p. 890.
Krauch, Carl. (See Bosch, Mittasch, and Krauch.)
Kraumeier, John C. (See Wilder and Kraumeier.)
Kraus, Charles A., Newton Highlands, and R. D. Mailey, Lynn, Mass. Distribution system for vapor electric apparatus. No. 1,272,463; July 16; v. 252; p. 539.
Kraus, Fritz L. (See Donnell, Albert J., assignor.)
Kraus, Louis P., Jr., New York, N. Y. Refractory product. No. 1,289,049; Dec. 24; v. 257; p. 796.
Krause, Albert F. (See Dohmen, Arthur, assignor.)
Krause, Albert W. (See Krause, Charles E. and A. W.)
Krause, Arthur E., Jersey City, N. J. Reboiler and condensate-purifier. No. 1,265,678; May 7; v. 250; p. 218.
Krause, Charles E. and A. W., Hartford, Conn. Nut-lock. No. 1,256,141; Feb. 12; v. 247; p. 339.
Krause, Max, Chicago, Ill. Chair. No. 1,266,691; May 21; v. 250; p. 562.
Krause, Romanus, Belhaven, N. C. Spring-wheel. No. 1,260,403; Mar. 26; v. 248; p. 810.
Krause, Walter J., Chicago, Ill. Crane-brake. No. 1,261,245; Apr. 2; v. 249; p. 71.
Krause, William J., Random Lake, Wis. Stock-waterer. No. 1,262,059; Apr. 9; v. 249; p. 330.
Kraut, Charles F., assignor to The Kraut Safety Valve Company, Baltimore, Md. Safety-valve. No. 1,271,726; July 9; v. 252; p. 306.
Kraut, Max. (See Kollberg and Kraut.) (Reissue.)
Kraut Safety Valve Company, The. (See Kraut, Charles F., assignor.)
Krauth, Albert, Hamilton, Ohio. Sharpening-machine. No. 1,261,136; Apr. 2; v. 249; p. 41.
Krauth, Albert, Hamilton, Ohio. Music-stand. No. 1,271,328; July 2; v. 252; p. 162.
Krauth, Albert, Hamilton, Ohio. Paper-perforator. No. 1,271,727; July 9; v. 252; p. 307.
Kraviecz, Frank, Hartford, Conn. Clothes-drier. No. 1,274,284; July 30; v. 252; p. 1105.
Krawiec, Lukasz, Pittsburgh, Pa. Package-handling device. No. 1,280,618; Oct. 1; v. 255; p. 140.
Kray, Elmer P., North Yakima, Wash. Priming mechanism for internal-combustion engines. No. 1,274,285; July 30; v. 252; p. 1105.
Kray, John A., assignor to G. R. Weber, Lancaster, Pa. Illuminated device. No. 1,258,022; Mar. 5; v. 248; p. 22.
Kraybill, Martin E., Boiling Springs, Pa. Cutting apparatus for macaroni, &c. No. 1,286,028; Nov. 26; v. 256; p. 769.
Kraybill, Martin E., Boiling Springs, Pa. Manufacture of macaroni, &c. No. 1,286,029; Nov. 26; v. 256; p. 769.
Kraybill, Martin E., Boiling Springs, Pa. Handling apparatus for macaroni, &c. No. 1,287,345; Dec. 10; v. 257; p. 321.
Kreatschmann, Arthur, *et al.* (See Butkus and Gay, assignors.)
Krebs, Earl, Davenport, Iowa. Garden and lawn rake. No. 1,262,811; Apr. 16; v. 249; p. 572.
Krebs, Ernst T. (See Kennett and Krebs.)
Krebs, Stanley W., New York, N. Y. Bread-box. No. 1,285,743; Nov. 26; v. 256; p. 698.
Kreger, Joseph F., Erie, Pa. Illuminated name-plate. No. 1,283,806; Nov. 5; v. 256; p. 96.
Krehbiel, Frank W., *et al.* (See Hunter, James B., assignor.)
Kreitlein, George F. (See Henricks, Garrett W., assignor.)
Kreitler, John A., Newark, N. J. Power-driven screw-press. No. 1,271,728; July 9; v. 252; p. 307.
Kremelberg, Gertrude M., Pittsfield, Mass. Water-cooling device. No. 1,268,362; June 4; v. 251; p. 83.
Kremer, Alfred, assignor of one-half to L. P. Keller, Mount Pleasant, Pa. Aeroplane. No. 1,266,490; May 14; v. 250; p. 474.
Kremer, Alphonse E., Gulfport, Miss. Valve mechanism for internal-combustion engines. No. 1,281,794; Oct. 15; v. 255; p. 518.
Kremer, Franklin W., Rutherford, N. J. Pneumatic auto-tire. No. 1,257,251; Feb. 19; v. 247; p. 702.
Kremer, Franklin W., Rutherford, N. J. Tire and making the same. No. 1,263,681; Apr. 23; v. 249; p. 835.
Kremer, Franklin W., Carlstadt, N. J. Vulcanizer. No. 1,284,112; Nov. 5; v. 256; p. 179.
Kremer, George E. (See Thiem and Kremer.)
Krenke, Otto A., assignor to Anker-Holth Manufacturing Co., Port Huron, Mich. Cream-separator. No. 1,256,577; Feb. 19; v. 247; p. 504.
Krenz, Rudolph, assignor to The Russell Mfg. Co., Middletown, Conn. Yielding cop-winding spindle. No. 1,259,999; Mar. 19; v. 248; p. 663.
Krenz, Rudolph, assignor to The Russell Mfg. Co., Middletown, Conn. Self-contained individual cop-winder No. 1,260,000; Mar. 19; v. 248; p. 663.
Krenzer, Ferdinand, Highland, Ill. Sand and gravel washing and separating machine. No. 1,254,410; Jan. 22; v. 246; p. 942.
Kreps, Stefan, New York, N. Y. Baker's peel. No. 1,279,361; Sept. 17; v. 254; p. 604.
Kress, Otto, and S. D. Wells, Madison, Wis. Manufacture of wood-pulp. No. 1,266,957; May 21; v. 250; p. 635.
Kretz, Harold C., Rochester, N. Y. License-holder and illuminating-light therefor. No. 1,274,899; Aug. 6; v. 253; p. 159.
Kreuser, Robert E., Chicago, Ill. Emergency-brake for vehicles. No. 1,261,557; Apr. 2; v. 249; p. 161.
Krewson, Isaac, Cheltenham, Pa. Spanner-key. No. 1,269,461; June 11; v. 251; p. 408.
Krieg, Alfred, Minneapolis, Minn., assignor to Emerson-Brantingham Company, Rockford, Ill. Connecting-rod. No. 1,253,841; Jan. 15; v. 246; p. 760.
Krieger, Emil. (See Krieger, Gustave and E.)
Krieger, Gustave and E., Brooklyn, N. Y. Making shoes. No. 1,257,364; Feb. 26; v. 247; p. 769.
Krieger, John T. (See Barks and Krieger.)
Krieghoff, Anton, assignor to Anton Krieghoff Company, Boston, Mass. Piano. No. 1,261,406; Apr. 2; v. 249; p. 118.
Krienitz, Frank H., McFarland, Kans. Internal-combustion engine. No. 1,281,981; Oct. 15; v. 255; p. 567.
Krienke, Gustave F. L., Jr., South Bend, Ind. Sickle-bar for cutting peppermint. No. 1,283,807; Nov. 5; v. 256; p. 96.
Krile, Thomas, Pisek, N. D. Postage-stamp box. No. 1,285,240; Nov. 19; v. 256; p. 531.
Kriner, Oscar, Martinsville, Ind. Oil-can. No. 1,263,682; Apr. 23; v. 249; p. 835.
Kring, Olof O. (See Stalhane and Kring.)
Krippendorf, Paul F. W. C., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. No. 1,255,892; Feb. 12; v. 247; p. 265.
Krippendorf, Paul F. W. C., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe. No. 1,255,893; Feb. 12; v. 247; p. 266.
Krippene, Benjamin J., *et al.* (See Krippene, Herman, assignor.)
Krippene, Herman, assignor of one-half to B. J. Krippene and one-half to O. B. Krippene, Oshkosh, Wis. Cut-off. No. 1,275,166; Aug. 6; v. 253; p. 232.
Krippene, Otto B., *et al.* (See Krippene, Herman, assignor.)
Kristmann, Nicholas A., Menlo Park, Cal. Dental-floss case. No. 1,274,423; Aug. 6; v. 253; p. 23.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Toy gun. No. 1,262,060; Apr. 9; v. 249; p. 330.

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Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Top. No. 1,262,061; Apr. 9; v. 249; p. 331.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pencil-clip. No. 1,263,327; Apr. 16; v. 249; p. 715.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Bottle-cap remover. No. 1,278,684; Sept. 10; v. 254; p. 392.
Kristufek, Ladislav F., Chicago, Ill. Compressor. No. 1,271,729; July 9; v. 252; p. 307.
Kritz, Frank, Detroit, Mich., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Making lock-seam tubing. No. 1,263,328; Apr. 16; v. 249; p. 715.
Kritz, Frank, assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Tube-welding mechanism. No. 1,273,502; July 23; v. 252; p. 852.
Krizek, Joseph, Chicago, Ill. Fan attachment for rocking-chairs. No. 1,281,795; Oct. 15; v. 255; p. 518.
Krizek, Joseph, assignor of one-third to P. Kitchen and one-third to J. I. Piscek, Gallup, N. Mex. Resilient wheel. No. 1,286,655; Dec. 3; v. 257; p. 115.
Kroder, John, assignor to The John Kroder & Henry Reubel Company, New York, N. Y. Extension curtain rod. No. 1,284,113; Nov. 5; v. 256; p. 179.
Kroedel, Hans, Richmond Hill, N. Y. Towel-bar fixture. No. 1,280,244; Oct. 1; v. 255; p. 36.
Kroedel, Robert. (See Spiedel, Kroedel, and Riddell.)
Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. No. 1,262,677; Apr. 16; v. 249; p. 534.
Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Camera-back. No. 1,263,904; Apr. 23; v. 249; p. 896.
Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Roll-film-developing apparatus. No. 1,266,491; May 14; v. 250; p. 474.
Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Developing apparatus for photographic films. No. 1,270,302; June 25; v. 251; p. 694.
Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Camera-carriage. No. 1,274,561; Aug. 6; v. 253; p. 63.
Kroegel, Charles, and R. E. Wainright, Oakland, Cal. Electrically-controlled door. No. 1,284,368; Nov. 12; v.
Kroeger, Edwin J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reinforced hard rubber structure. No. 1,286,030; Nov. 26; v. 256; p. 769.
Kroeger, Otto P., El Paso, Tex. Form for concrete vessels. No. 1,284,114; Nov. 5; v. 256; p. 180.
Kroeger Piano Company. (See Parsons, George H., assignor.)
Kroehler Manufacturing Company *et al.* (See Davis, Fred M., assignor.)
Kroehler Manufacturing Company *et al.* (See Weinmann, Louis E., assignor.)
Kroehler, Peter E., Naperville, Ill. Table-bed, &c. No. 1,282,596; Oct. 22; v. 255; p. 775.
Krofta, Joseph V., Kewaunee, Wis. Adjustable oil-spout. No. 1,281,588; Oct. 15; v. 255; p. 463.
Krogel, Gustave, Paterson, N. J. Safety appliance for aeroplanes. No. 1,251,896; Jan. 1; v. 246; p. 135. 256; p. 273.
Krogh, Ferdinand W., San Francisco, Cal. Centrifugal pump. No. 1,277,430; Sept. 3; v. 254; p. 28.
Krohn, Gustave A., Coarsegold, Cal. Valve-controlling mechanism for carbureters. No. 1,257,494; Feb. 26; v. 247; p. 808.
Krohn, Irwin M., and M. J. Sullivan, Cincinnati, Ohio. Shoe. No. 1,282,874; Oct. 29; v. 255; p. 880.
Krohn, Julius J. (See Warren and Krohn.)
Krohn, Nels, assignor to The Adams & Westlake Company, Chicago, Ill. Hand-brake. No. 1,258,689; Mar. 12; v. 248; p. 255.
Kroll, Waldemar, Weehawken, assignor to Hall-Borchert Dress Form Company, Hoboken, N. J. Dress-form stand. No. 1,272,678; July 16; v. 252; p. 601.
Krollius, William, San Francisco, Cal. Skate-sharpener. No. 1,273,624; July 23; v. 252; p. 884.
Krom, Lauren, Newburgh, N. Y. Device for carrying keys. No. 1,289,817; Dec. 31; v. 257; p. 1011.
Krone, Harry H., Chicago, Ill. Boot-black stand. No. 1,271,588; July 9; v. 252; p. 267.
Kronenberg, Rudolf, Ohligs, Germany. Manufacturing metal fellies. No. 1,254,411; Jan. 22; v. 246; p. 942.
Kronenberg, Rudolf, Ohligs, Germany. Method and means for electrically welding the rims or flanges of wheel or cycle tires. No. 1,257,615; Feb. 26; v. 247; p. 844.
Kronenberger, Ferdinand, Hastings, N. Y., assignor to F. B. Clark, Englewood, N. J. Egg-carrier. No. 1,257,252; Feb. 19; v. 247; p. 702.
Kroner, Estelle A., St. Louis, Mo. Photoprint-drier. No. 1,277,952; Sept. 3; v. 254; p. 170.
Kronfeld, Gustav L. S. (See Starker and Kronfeld.)
Krook, John L. L., Proctor, Vt. Gauze-cutting machine. No. 1,288,038; Dec. 17; v. 257; p. 525.
Kropé, Magdalene H., New York, N. Y. Finger-ring. No. 1,265,679; May 7; v. 250; p. 218.
Kropff, Alfred H. (See Hoffman and Kropff.)
Kropp, John A. (See Goodrum and Kropp.)
Kropp, John A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Selector-switch. No. 1,257,715; Feb. 26; v. 247; p. 874.
Kropp, John A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-transmitting device. No. 1,262,359; Apr. 9; v. 249; p. 415.
Kropp, Walter, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Pharmaceutical product. No. 1,252,452; Jan. 8; v. 246; p. 325.
Kroseng, Axel E., Brooklyn, N. Y. Life-boat. No. 1,285,241; Nov. 19; v. 256; p. 531.
Kroshaug, Oscar C., Volga, S. D. Adjustable bracket. No. 1,256,909; Feb. 19; v. 247; p. 602.
Kroshaug, Oscar C., Volga, S. D. Lock. No. 1,256,910; Feb. 19; v. 247; p. 602.
Kroshaug, Oscar C., Volga, S. D. Beading-tool for boiler-tubes. No. 1,278,685; Sept. 10; v. 254; p. 392.
Krotz, Alvaro S., assignor to The Janesville Machine Company, Janesville, Wis. Depth-gage runner. No. 1,258,789; Mar. 12; v. 248; p. 283.
Kroyer, John M., assignor to Samson Sieve-Grip Tractor Co., Stockton, Cal. Tractor-wheel. No. 1,283,215; Oct. 29; v. 255; p. 972.
Krudop, Donald G., Manhattan, Kans. Bar-bell. No. 1,270,034; June 18; v. 251; p. 597.
Krueger, Adolph F., Milwaukee, Wis. Phonograph-record storage-cabinet. No. 1,255,894; Feb. 12; v. 247; p. 266.
Krueger, Frank O., Limeridge, Wis. Milk-bottle cabinet. No. 1,257,495; Feb. 26; v. 247; p. 808.
Krueger, Fred G. (See Kunkle, Kenton C., assignor.)
Krueger, John, Milwaukee, Wis. Sheet-metal-working machine. No. 1,279,362; Sept. 17; v. 254; p. 604.
Krueger, Otto H., *et al.* (See Brinck, Hans, assignor.)
Krueger, Otto H., Los Angeles, Cal. Type-writer attachment. No. 1,285,242; Nov. 19; v. 256; p. 532.
Krueger, William F., Chicago, Ill. Bottle-container. No. 1,275,048; Aug. 6; v. 253; p. 201.
Krug, Philip F., Brooklyn, N. Y. Film-locking device for moving-picture machines. No. 1,262,611; Apr. 9; v. 249; p. 487.
Krug, Philip F., Brooklyn, N. Y. Loop-forming wing for motion-picture machines. No. 1,282,437; Oct. 22; v. 255; p. 732.
Kruger, Ira, Aberdeen, S. D. Wagon-tongue. No. 1,283,415; Oct. 29; v. 255; p. 1025.
Kruger, Ira, Aberdeen, S. D. Steam ice-cutting device. No. 1,288,039; Dec. 17; v. 257; p. 525
Kruger, Louis R., assignor of one-half to W. R. Schmidt, Chicago, Ill. Smoker's article. No. 1,260,404; Mar. 26; v. 248; p. 810.
Krum, Howard L., assignor to Morkrum Company, Chicago, Ill. Electric selective system. No. 1,286,351; Dec. 3; v. 257; p. 41.
Krum, Otis W., New York, N. Y. Stone-cutting machine. No. 1,287,346; Dec. 10; v. 257; p. 321.
Krum, William H., and J. E. Janousek, Chicago, Ill. Convertible chair. No. 1,268,979; June 11; v. 251; p. 273.
Krumholz, Alfred F., assignor of one-half to A. Krumholz, Chicago, Ill. Fire-box. No. 1,271,479; July 2; v. 252; p. 202.
Krumholz, August. (See Krumholz, Alfred F., assignor.)
Krumholz, August, Chicago, Ill. Metal joint and welding the same. No. 1,268,980; June 11; v. 251; p. 275.
Krumland, Edward, Columbus, Nebr. Hauling attachment for automobiles. No. 1,284,712; Nov. 12; v. 256; p. 359.
Krummel, Louis C. (See Norton and Krummel.)
Krümmling, Max, Steglitz, near Berlin, Germany, assignor to Soc. Anm. Waddinxveensche Kurkwarenfabriek Cl-Devant L. Vermeulen & Co., Waddinxveen, Netherlands. Making mouthpieces for cigarettes. No. 1,282,014; Oct. 15; v. 255; p. 575.
Krump, Nic, Chicago, Ill. Bending-brake. No. 1,283,808; Nov. 5; v. 256; p. 96.
Krupp, James, Milwaukee, Wis. Turning and stopping signal for motor-vehicles. No. 1,270,174; June 18; v. 251; p. 634.
Krupp, Smith F., Atlanta, Ga. Cotton-gin. No. 1,266,826; May 21; v. 250; p. 600.
Kruppa, Michal, assignor of one-eighth to J. Dzingel, Jerome, Pa. Battery-operating apparatus. No. 1,284,713; Nov. 12; v. 256; p. 359.
Krupski, John, Springfield, Ill. Folding umbrella. No. 1,255,182; Feb. 5; v. 247; p. 20.
Kruse, Edward H., Fort Wayne, Ind. Lath-stay. No. 1,258,916; Mar. 12; v. 248; p. 320.
Kruse, Edward H., Fort Wayne, Ind. Adjustable support for electric switches. No. 1,276,378; Aug. 20; v. 253; p. 626.
Kruse, Lewis C., Neenah, Wis. Starter for internal-combustion engines. No. 1,281,028; Oct. 8; v. 255; p. 277.
Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for flanging can-bodies or the like. No. 1,263,076; Apr. 16; v. 249; p. 648.
Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for seaming heads or ends on cans. No. 1,278,941; Sept. 17; v. 254; p. 492.
Kruse, Theodore H., Arvada, assignor of one-half to Clarence C. Cole, Denver, Colo. Berry-picker. No. 1,269,091; June 11; v. 251; p. 307.
Krusemark, Frederick A. (See Van Ness and Krusemark.)

Krusemark, Frederick A., L. G. Funkhouser, and H. G. Carpenter, assignors to K. F. & C. Tire & Rubber Corporation, Roanoke, Va. Cushion-tire. No. 1,277,953; Sept. 3; v. 254; p. 170.
Krusius, Edward, New York, N. Y. Folding type-writer. No. 1,284,714; Nov. 12; v. 256; p. 359.
Krussand, Daniel Drammen, and A. Steen, Christiania, Norway. Vehicle-wheel and the like. No. 1,267,877; May 28; v. 250; p. 921.
Krussell, Charles G., Flint, Mich. Shock-absorber. No. 1,260,405; Mar. 26; v. 248; p. 810.
Krutckoff, Charles. (See Haupt, William W., assignor.)
Kruttschnitt, John, Chicago, Ill. Stop-collar. No. 1,264,815; Apr. 30; v. 249; p. 1179.
Kryder, Frank L., *et al.* (See Kline, Walter, assignor.)
Kryder, Frank L., Akron, Ohio, and E. W. Snyder, Indianapolis, Ind. Reclaiming rubber waste. No. 1,263,567; Apr. 23; v. 249; p. 804.
Krzan, Anton, Chicago, Ill. Movable fort. No. 1,274,721; Aug. 6; v. 253; p. 109.
Krzyworzycki, Stanley, Detroit, Mich. Belt-fastener. No. 1,267,325; May 21; v. 250; p. 737.
Kub, John, Loyalton, S. D. Rope halter. No. 1,254,412; Jan. 22; v. 246; p. 942.
Kubat, Otto A., Owatonna, Min. Glare-shield. No 1,286,352; Dec. 3; v. 257; p. 41.
Kubeczko, Andrzej, Chicago, Ill. Bomb. No. 1,280,245; Oct. 1; v. 255; p. 36.
Kubeczko, Andrzej, Chicago, Ill. Ship-protector. No. 1,280,246; Oct. 1; v. 255; p. 37.
Kubiak, Henry J., assignor of one-half to J. Stasinski, Philadelphia, Pa. Indicator for cameras. No. 1,278,080; Sept. 3; v. 254; p. 204.
Kubler, Elias. (See Bach and Kubler.)
Kubovy, Frank. (See Ruzicka and Kubovy.)
Kucharski, Konstanty, Thurber, Tex. Motor-plow. No. 1,270,627; June 25; v. 251; p. 785.
Kuck, William F., Etna Green, Ind. Brush. No. 1,275,049; Aug. 6; v. 253; p. 201.
Kuderer, Charles, Pittsburgh, Pa. Motor-cycle back-rest. No. 1,255,539; Feb. 5; v. 247; p. 124.
Kuderer, Charles, Pittsburgh, Pa. Motor-cycle back-rest. No. 1,272,970; July 16; v. 252; p. 683.
Kuderer, Charles, Pittsburgh, Pa. Motor-cycle back-rest. No. 1,281,398; Oct. 15; v. 255; p. 413.
Küderli, Walter, Staad, near Rorschach, Switzerland. Twisting-machine. No. 1,260,212; Mar. 19; v. 248; p. 721.
Kudlak, Harry. (See Kostiw, William, assignor.)
Kuebler, Adolph W., assignor to Stromberg Motor Devices Company, Chicago, Ill. Bracket for electric lamps or the like. No. 1,253,983; Jan. 15; v. 246; p. 799.
Kuebler, Max E., Yonkers, N. Y. Float feed device. No. 1,259,415; Mar. 12; v. 248; p. 462.
Kuehl, Ludwig T., assignor, by mesne assignments, to Baker-Vawter Company, Benton Harbor, Mich. Metal filing-case. No. 1,252,816; Jan. 8; v. 246; p. 430.
Kuehl, William J. A., Chicago, Ill. Electric vibrator massage-machine. No. 1,255,895; Feb. 12; v. 247; p. 266.
Kuehn, Charles P., assignor to A. Stein & Company, Chicago, Ill. Button-loop for garment-supporters. No. 1,280,247; Oct. 1; v. 255; p. 37.
Kuehn, Frederich W., St. Louis, Mo. Writing implement. No. 1,270,035; June 18; v. 251; p. 597.
Kuehn, Gustav, East St. Louis, Ill. Burial-vault. No. 1,274,424; Aug. 6; v. 253; p. 23.
Kuehn, Otto, New York, N. Y. Focal tester for eye-lenses, &c. No. 1,280,045; Sept. 24; v. 254; p. 820.
Kuehn, Paul, Denver, Colo. Amalgamating device. No. 1,262,812; Apr. 16; v. 249; p. 572.
Kuehn, Paul, Detroit, Mich. Air-compressor. No. 1,283,416; Oct. 29; v. 255; p. 1025.
Kuehne, Carl O., Chicago, Ill. Vehicle signaling device. No. 1,283,809; Nov. 5; v. 256; p. 96.
Kuehner, Arthur T., Elkridge, Md. Locomotive journal-box. No. 1,288,040; Dec. 17; v. 257; p. 525.
Kuehner, Arthur T., Elkridge, Md. Locomotive journal-box. No. 1,288,041; Dec. 17; v. 257; p. 525.
Kuehnrich, Paul R., Sheffield, England. Alloy. No. 1,273,877; July 30; v. 252; p. 990.
Kuehnrich, Paul R., Sheffield, England. Steel. No. 1,277,431; Sept. 3; v. 254; p. 28.
Kuen, Eugene A., Cincinnati, Ohio. Automobile-lamp. No. 1,252,907; Jan. 8; v. 246; p. 456.
Kuentzel, Curt, assignor to The Republic Rubber Company, Youngstown, Ohio. Tire-making machine. No. 1,273,071; July 16; v. 252; p. 710.
Kuenzle, August, West Hoboken, N. J. Support for shade-rollers and curtain-poles. No. 1,260,915; Mar. 26; v. 248; p. 957.
Kuester, Emil C., Olney Springs, Colo. Log-rolling device. No. 1,275,271; Aug. 13; v. 253; p. 287.
Kugelman, Arthur. (See Kugelman, Harry, assignor.)
Kugelman, Harry, assignor of one-half to A. Kugelman, Portsmouth, Ohio. Envelop-sealing device. No. 1,252,817; Jan. 8; v. 246; p. 431.
Kugler, Friedrich. (See Müller and Kugler.)
Kugler, Henry, and J. Bauer, Fergus Falls, Minn. Fish-dressing device. No. 1,259,109; Mar. 12; v. 248; p. 376.
Kuhlman, Walter M., Cleveland, Ohio. Faucet connection. No. 1,288,042; Dec. 17; v. 257; p. 526.
Kuhn, Casper, Carlstadt, N. J. Window-guard. No. 1,257,887; Feb. 26; v. 247; p. 924.
Kuhn, Edwin H., New York, N. Y. Device for teaching arithmetic. No. 1,267,326; May 21; v. 250; p. 737.
Kuhn, Emil. (See Danneel and Kuhn.)
Kuhn, Eva H., *et al.* (See Valdes, Salvador M., assignor.)
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Combined handle attachment and name-plate for electrically-heated instruments. No. 1,258,122; Mar. 5; v. 248; p. 51.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Thermostatic electric switch. No. 1,263,568; Apr. 23; v. 249; p. 804.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Handle and terminal connection for electrically-heated instruments. No. 1,270,303; June 25; v. 251; p. 695.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Soldering-iron stand. No. 1,270,304; June 25; v. 251; p. 695.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Machine for moistening adhesive tape. No. 1,276,773; Aug. 27; v. 253; p. 771.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electrical air-heater. No. 1,279,363; Sept. 17; v. 254; p. 604.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Portable cook-stove. No. 1,279,364; Sept. 17; v. 254; p. 605.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electrical heating unit. No. 1,282,242; Oct. 22; v. 255; p. 680.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electric air-heater. No. 1,282,243; Oct. 22; v. 255; p. 680.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Sad-iron. No. 1,288,043; Dec. 17; v. 257; p. 526.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electric immersion-heater. No. 1,288,044; Dec. 17; v. 257; p. 526.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Foot-warmer. No. 1,288,045; Dec. 17; v. 257; p. 527.
Kuhn, Frank and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Weatherproof electrical heater. No. 1,288,046; Dec. 17; v. 257; p. 527.
Kuhn, Frank, and F. E. Shailor, assignors to American Electrical Heater Company, Detroit, Mich. Coffee-percolator. No. 1,276,774; Aug. 27; v. 253; p. 771.
Kuhn-Frei, Emil, Zurich, Switzerland. Electric pocket-lamp. No. 1,285,243; Nov. 19; v. 256; p. 532.
Kuhn, Gebrüder. (See Kuhn, Hermann, assignor.)
Kuhn, George W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. No. 1,279,882; Sept. 24; v. 254; p. 775.
Kuhn, Harry A., Pittsburgh, Pa. Mining coal. No. 1,268,584; June 4; v. 251; p. 146.
Kuhn, Harry A., Pittsburgh, Pa. Apparatus for mining coal. No. 1,273,504; July 23; v. 252; p. 852.
Kuhn, Harry A., Pittsburgh, Pa. Mining-machine. No. 1,285,744; Nov. 26; v. 256; p. 698.
Kuhn, Harry A., and W. W. Macfarren, Pittsburgh, Pa.; said Macfarren assignor to said Kuhn. Mining-machine. No. 1,273,503; July 23; v. 252; p. 852.
Kuhn, Harry E. (See Boomer, Frank S., assignor.)
Kuhn, Hermann, assignor to Gebrüder Kuhn, Turbenthal, Switzerland. Device for turning and planing metals, wood, and the like. No. 1,276,081; Aug. 20; v. 253; p. 542.
Kuhn, Jacob, assignor of one-third to H. C. Norton and one-third to R. Norris, Connellsville, Pa. Projectile. No. 1,276,082; Aug. 20; v. 253; p. 543.
Kuhn, Jacob, and J. A. Guiler, Connellsville, Pa. Projectile. No. 1,288,047; Dec. 17; v. 257; p. 527.
Kuhn, James F., Easton, assignor of one-half to A. C. Fellencer, Allentown, Pa. Safety-fastening for jewelry. No. 1,259,877; Mar. 19; v. 248; p. 625.
Kuhn, William O., Seattle, Wash. Roller-bearing. No. 1,259,751; Mar. 19; v. 248; p. 589.
Kuhn, William O., Seattle, Wash. Rotary internal-combustion engine. No. 1,273,380; July 23; v. 252; p. 818.
Kuhne, George F., East Rutherford, N. J. Calipers or similar measuring instrument. No. 1,260,916; Mar. 26; v. 248; p. 957.
Kuhne, Paul, assignor of one-half to W. Kuhne, Birmingham, Ala. Reinforcing-bar. No. 1,280,046; Sept. 24; v. 254; p. 820.
Kuhne, Paul, assignor of one-half to W. Kuhne, Birmingham, Ala. Bale-tie. No. 1,287,347; Dec. 10; v. 257; p. 322.
Kuhne, Werner. (See Kuhne, Paul, assignor.)
Kuhnen, Alexander F., Dixon, assignor to American Wagon Company, Chicago, Ill. Wagon-stake. No. 1,266,692; May 21; v. 250; p. 563.
Kuhns, J. J. (See Myers, Melvin A., assignor.)
Kuky, Masao, Eaton, Colo. Beet-harvester. No. 1,283,810; Nov. 5; v. 256; p. 97.

Kulcsar, Lewis, Punxsutawney, Pa. Airplane. No. 1,271,480; July 2; v. 252; p. 202.
Kulich, Steve, New York, N. Y. Latch-releaser. No. 1,254,240; Jan. 22; v. 246; p. 893.
Kull, Samuel B., New Canaan, Conn. Rail-fastening. No. 1,254,608; Jan. 22; v. 246; p. 999.
Kulma, Louis, Buffalo, N. Y. Power-transmitting mechanism. No. 1,279,556; Sept. 24; v. 254; p. 680.
Kumagai, Buntaro, Winslow, Wash. Fountain-pen. No. 1,257,365; Feb. 26; v. 247; p. 769.
Kumlin, August W., Wheatland township, Vernon county, Wis. Buckle. No. 1,256,238; Feb. 12; v. 247; p. 370.
Kummer, August T., Detroit, Mich. Car-door. No. 1,256,578; Feb. 19; v. 247; p. 505.
Kummer, John W., Edgemont, Nev. Double roller-bearing. No. 1,253,984; Jan. 15; v. 246; p. 799.
Kummeth, Frank J., Heron Lake, Minn. Smoking-pipe. No. 1,281,589; Oct. 15; v. 255; p. 463.
Kunheim & Co. *et al.* (See Heydenreich, Ernst, assignor.)
Kunkely, Edward J., New York, N. Y. Favor snapper and cracker. No. 1,253,500; Jan. 15; v. 246; p. 662.
Kunkle, George R., Richmond, Ind. Spring-motor. No. 1,251,972; Jan. 1; v. 246; p. 156.
Kunkle, George R., Richmond, Ind. Spring-motor. No. 1,267,423; May 28; v. 250; p. 792.
Kunkle, Kenton C., Bellevue, Ky., assignor of one-half to F. G. Krueger, Norwood, Ohio. Jeweler's blowpipe. No. 1,262,213; Apr. 9; v. 249; p. 375.
Kunnecke, William J., Baltimore, Md. Grease-gun. No. 1,263,569; Apr. 23; v. 249; p. 804.
Kunsman, George H., Washington, D. C. File-box. No. 1,277,734; Sept. 3; v. 254; p. 112.
Kuntny, Gregor, Trenton, N. J., assignor to The Trenton Brass and Machine Co. Flush-valve. No. 1,269,721; June 18; v. 251; p. 512.
Kuntz, Jake J., Oakville, Iowa. Running-board support. No. 1,258,579; Mar. 5; v. 248; p. 184.
Kunz, Alphonse M., assignor to Can't Slip Collar Bar Company, St. Louis, Mo. Collar-clasp. No. 1,265,214; May 7; v. 250; p. 95.
Kunz, Jacob, and F. Goertz, Newark, N. J., assignors to A. C. Penn, Inc., New York, N. Y. Safety-razor. No. 1,288,049; Dec. 17; v. 257; p. 527.
Kunz, John L., Milwaukee, Wis. Resilient wheel for vehicles. No. 1,254,705; Jan. 29; v. 246; p. 1056.
Kunz, William J., Milwaukee, Wis. Fuel-support for furnaces. No. 1,274,563; Aug. 6; v. 253; p. 64.
Kunze, Adam H., Beloit, Wis. Quack-grass digger. No. 1,283,811; Nov. 5; v. 256; p. 97.
Kunzer, Louis G. (See Lewis, John H., assignor.)
Kunzler, Charles J. (See Robb, Clyde S., assignor.)
Kunzler, John W., assignor, by mesne assignments, to W. W. Lapham, Pittsburgh, Pa. Constructing furnaces and fire-bricks therefor. No. 1,285,244; Nov. 19; v. 256; p. 532.
Kuo, Cheng C., Ithaca, N. Y. Tone-modulator for phonographs. No. 1,260,001; Mar. 19; v. 248; p. 663.
Kupchak, Stephen, Rosevear, Alberta, Canada. War-automobile. No. 1,253,605; Jan. 15; v. 246; p. 691.
Kupec, George, *et al.* (See Cheselka, Peter, assignor.)
Kupec, George, assignor of one-half to J. P. Morros, New Salem, Pa. Folding packet article. No. 1,282,875; Oct. 29; v. 255; p. 880.
Kupec, George, and J. Slosar, New Salem, Pa. Flying bomb. No. 1,276,547; Aug. 20; v. 253; p. 672.
Kupec, George, and J. Slosar, Salem, Pa. Stove-top construction. No. 1,289,197; Dec. 31; v. 257; p. 857.
Kupfer, David, Chicago, Ill. Antiskid-sander for vehicles. No. 1,268,019; May 28; v. 250; p. 960.
Kupihea, David M., Honolulu, Hawaii. Means for warming or keeping warm liquids and foodstuffs. No. 1,259,527; Mar. 19; v. 248; p. 525.
Kupiszewski, Antoni, Auburn, N. Y. Cutlery implement. No. 1,288,617; Dec. 24; v. 257; p. 693.
Kupperstein, Morris M., Hartford, Conn. Electrically-operated gold-beating machine. No. 1,252,076; Jan. 1; v. 246; p. 186.
Kureczka, Petro, Clearfield, Pa. Man-carrier. No. 1,271,176; July 2; v. 252; p. 119.
Kurkjian, Haigazn H., Paterson, N. J. Power-transmission device. No. 1,289,818; Dec. 31; v. 257; p. 1011.
Kurn, George, Muscotah, Kans. Milk-strainer holder. No. 1,289,819; Dec. 31; v. 257; p. 1011.
Kuroki, Shingo, assignor to Kimpitsu Seishi Kabushiki Kaisha, Ltd., Tokyo, Japan. Writing-paper and making the same. (Reissue.) No. 14,499; July 30; v. 252; p. 1127.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,252,819; Jan. 8; v. 246; p. 431.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,252,820; Jan. 8; v. 246; p. 432.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,256,485; Feb. 12; v. 247; p. 442.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,263,905; Apr. 23; v. 249; p. 897.
Kurowski, Alfred G. F., Brooklyn, N. Y., assignor to himself, A. F. Marx, and A. L. Martin, Chicago, Ill. Recording-taximeter. No. 1,275,185; Aug. 6; v. 253; p. 239.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,289,820; Dec. 31; v. 257; p. 1011.
Kurowski, Alfred G. F., Brooklyn, and J. Sokolov, assignors to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,260,687; Mar. 26; v. 248; p. 895.
Kurrell, Theodor, H. Schneider, and J. Helms, San Francisco, Cal. Mud-shoe. No. 1,266,492; May 14; v. 250; p. 475.
Kursheedt Manufacturing Company, The. (See Bloch and Suess, assignors.)
Kurth, Edward, Bloomfield, Nebr. Whip-socket lock. No. 1,253,256; Jan. 15; v. 246; p. 590.
Kurth, Edward, Bloomfield, Nebr. Whip-socket lock. No. 1,253,257; Jan. 15; v. 246; p. 590.
Kurtz, Alfred, Brooklyn, N. Y. Sewing-machine attachment. No. 1,277,954; Sept. 3; v. 254; p. 170.
Kurtz, Charles L., Columbus, Ohio. Means for supplying air to gas-engines. No. 1,268,128; June 4; v. 251; p. 17.
Kurtz, John C., Los Angeles, Cal. Power-lock for automobiles. No. 1,272,815; July 16; v. 252; p. 641.
Kurtz, Robert B., assignor to Charles Lentz & Sons, Philadelphia, Pa. Tonsillotome. No. 1,283,216; Oct. 29; v. 255; p. 972.
Kurtz, Robert E., St. Louis, Mo. Breather-pipe. No. 1,280,047; Sept. 24; v. 254; p. 820.
Kurtz, Samuel E., Sac City, Iowa. Conduit-coupling and making same. No. 1,251,973; Jan. 1; v. 246; p. 156.
Kurtz, Stewart S., Sr. (See Wackenhuth, Frederick, assignor.)
Kurtz, Stewart S., Jr., Canton, Ohio. Metallic piston-packing. No. 1,280,493; Oct. 1; v. 255; p. 105.
Kurtzon, George B., assignor to Garden City Plating & Manufacturing Company, Chicago, Ill. Track for sliding doors. No. 1,254,706; Jan. 29; v. 246; p. 1056.
Kurtzhals, Henry G., Shippensville, Pa. Pipe-tongs. No. 1,283,217; Oct. 29; v. 255; p. 973.
Kurz, August W., Noroton, Conn. Multiple-unit puttyless skylight. No. 1,259,528; Mar. 19; v. 248; p. 526.
Kuschewitz, Paul. (See Moll and Kuschewitz.)
Kusebauch, Anton K., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-shifting mechanism. No. 1,283,218; Oct. 29; v. 255; p. 973.
Kusebauch, Anton K., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-shifting mechanism. No. 1,283,219; Oct. 29; v. 255; p. 973.
Kusel, Isidor J., assignor to Stronghart Company, Chicago, Ill. Fastener for pocket savings or coin banks. No. 1,288,050; Dec. 17; v. 257; p. 528.
Kusenberg, Carl. (See Soehnlein, Kusenberg, and Franz.)
Kusiak, Fred, assignor of one-half to N. Kusiak, New York, N. Y. Horseshoe. No. 1,271,177; July 2; v. 252; p. 120.
Kusiak, Nik. (See Kusiak, Fred, assignor.)
Kuss, Rudolf, assignor to A. M. Bollerman, Inc., New York, N. Y. Automatic musical instrument. No. 1,283,220; Oct. 29; v. 255; p. 973.
Kusterer, Aloysius J., Richmond, and C. Sanders, South Richmond, assignors to The Randolph Paper Box Company, Richmond, Va. Box-making machine. No. 1,282,597; Oct. 22; v. 255; p. 775.
Kusterle, Frank, assignor to Simmons Company, Kenosha, Wis. Display-rail. No. 1,278,942; Sept. 17; v. 254; p. 492.
Kusterlee, Frank, assignor to The Simmons Manufacturing Company, Kenosha, Wis. Assembling device. No. 1,279,365; Sept. 17; v. 254; p. 605.
Kusterlee, Frank, assignor to Simmons Company, Kenosha, Wis. Corner-lock for take-down frames. No. 1,279,366; Sept. 17; v. 254; p. 605.
Kutin, Edward, Harrah, Okla. Clothes-pin. No. 1,274,286; July 30; v. 252; p. 1105.
Kutsche, Oswald, Pittsburgh, Pa. Air-cleaner and cleaning air. No. 1,274,058; July 30; v. 252; p. 1041.
Kutscher, William L., Reading, Pa. Petcock-operating means for automobiles. No. 1,280,494; Oct. 1; v. 255; p. 106.
Kutulan, Peter J., San Francisco, Cal. Fire-alarm system. No. 1,287,348; Dec. 10; v. 257; p. 322.
Kux, Albert S., Chicago, Ill. Sealing-machine. No. 1,264,308; Apr. 30; v. 249; p. 1040.
Kuyser, Jan A., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ventilating apparatus. No. 1,268,020; May 28; v. 250; p. 960.
Kuyser, Jan A., Sale, England, assignor to Westinghouse Electric and Manufacturing Company. Exciting system for booster interpole rotary converters. No. 1,284,369; Nov. 12; v. 256; p. 274.
Kuzmier, Xenophon, Hartsdale, N. Y. Prepared food and making the same. No. 1,273,072; July 16; v. 252; p. 711.
Kvistad, Paul E., Seattle, Wash. Stencil-writing machine. No. 1,256,333; Feb. 12; v. 247; p. 398.
Kwanto Lanso Kabushiki Kaisha, Ltd. (See Hayashi and Emura, assignors.)
Kwapien, Jozef, Westfield, Mass. Resilient wheel. No. 1,254,413; Jan. 22; v. 246; p. 943.
Kwetcher, George, *et al.* (See Mrakitsch, Anton, assignor.)

Alphabetical list of patentees—Continued.

Kwiatkowski, Michal, New York, N. Y., assignor of one-half to P. Kwiatkowski, Chicago, Ill. Metallic railway-tie. No. 1,269,092; June 11; v. 251; p. 307.
Kwiatkowski, Piotr. (See Kwiatkowski, Michal, assignor.)
Kwick-Bath Manufacturing Corporation. (See Stryker, George B., assignor.)
Kyle, Frederick, Milton, Oreg. Mail-box. No. 1,281,029; Oct. 8; v. 255; p. 278.
Kyle, John, Springfield, Ohio, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Adjustable gripper-pad. No. 1,271,329; July 2; v. 252; p. 162.
Kyle, John P., Aredale, Iowa. Seat attachment. No. 1,275,704; Aug. 13; v. 253; p. 406.
Kyle, William D., Milwaukee, Wis. Line-conductor support. No. 1,282,876; Oct. 29; v. 255; p. 880.
Kylin, Oskar, Elkhart, Ind. Power-actuated chuck. No. 1,288,051; Dec. 17; v. 257; p. 528.
Kytlica, John F., Chicago, Ill. Tool. No. 1,274,425; Aug. 6; v. 253; p. 23.
Kytlica, John F., Chicago, Ill. Valve mechanism. No. 1,281,030; Oct. 8; v. 255; p. 278.
L. Candee & Co. (See Payne, Walter P., assignor.)
L. Grauman Company, The. (See Wompey, John J., assignor.)
L. Moore Dry Kiln Co. (See Williams, Charles J., Jr., assignor.)
L. Scusa Machine & Tool Co. (See Scusa, Lino, assignor.)
L. Wolff Manufacturing Company. (See Lindsay, William, assignor.)
L. A. Submarine Boat Company. (See Cage, John M., assignor.)
L. A. Young Industries. (See Fitz Gerald, John W., assignor.)
L. D. Caulk Company. (See Gray, Arthur W., assignor.)
L. D. Caulk Company. (See Poetschke, Paul, assignor.)
L. D. Caulk Company, The. (See Zurbrigg, Daniel A., assignor.)
L. H. Gilmer Co. (See Gilmer, Ludwell H., assignor.)
L. Q. White Shoe Company. (See Tirrell, Henry S., assignor.)
L. S. Starrett Company, The. (See Starrett, Laroy S., assignor.)
L'Homadieu, Walter, Oneida, and J. L. Brumford, Canajoharie, N. Y. Fan-support. No. 1,263,442; Apr. 23; v. 249; p. 770.
La Bauve, Henry J., Austin, Tex. Combined automobile-wheel and flexible tire. No. 1,269,613; June 11; v. 251; p. 482.
La Belle, Frederick B., Wagoner, Okla. Loop-shield. No. 1,272,464; July 16; v. 252; p. 539.
La Bombard, Leon E., Lawrence, Mass. Feeder for blanks or sheets. No. 1,285,007; Nov. 19; v. 256; p. 473.
La Breche, Alphonse, Jefferson, S. D. Poultry-insecticide applicator. No. 1,259,416; Mar. 12; v. 248; p. 462.
La Casse, Albert H. (See Hartman and La Casse.)
La Chance, Joseph C., Vancouver, British Columbia, Canada. Carbon-holder for arc-lamps. No. 1,278,171; Sept. 10; v. 254; p. 254.
La Chance, Leander H., *et al.*, administrators. (See Kocourek, Henry, assignor.)
La Chance, Leander H., *et al.*, administrator. (See Kocourek, Henry, assignor.)
La Chapelle, Alfred M., and S. Benensohn, Chicago, Ill. Carbureter. No. 1,263,570; Apr. 23; v. 249; p. 804.
La Chapelle, Euclid I., Brockton, Mass. Machine for separating shoes and lasts. No. 1,269,093; June 11; v. 251; p. 307.
La Chapelle, Fred N., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Needle. No. 1,269,094; June 11; v. 251; p. 308.
La Chapelle, Fred N., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Thread-fastening machine. No. 1,271,481; July 2; v. 252; p. 202.
La Clede-Christy Clay Products Co. (See Argo, Ernest, assignor.)
La Count, Eldridge I., assignor to Orcutt Automatic Train Control Company, Worcester, Mass. Apparatus for electrically controlling air-brakes. No. 1,285,246; Nov. 19; v. 256; p. 533.
La Crosse Plow Co. (See Cameron, William W., assignor.)
La Crosse Tractor Co. (See Melcher, Lee W., assignor.)
La Dow, John, assignor of one-half to P. Whiting, Los Angeles, Cal. Traction-wheel. No. 1,253,056; Jan. 8; v. 246; p. 503.
La Femina, Gaetana. (See Alberti, Caritj, and La Femina.)
La Femina, Gaetano, New York, assignor to International Cork Company, Brooklyn, N. Y. Cork-shell-cutting machine. No. 1,261,559; Apr. 2; v. 249; p. 162.
La Fetra, Harry L., New York, N. Y. Washing-machine. No. 1,258,690; Mar. 12; v. 248; p. 255.
La Follette, John, Pringle, S. D. Match-box. No. 1,287,702; Dec. 17; v. 257; p. 440.
La Fond, Louis A., Minneapolis, Minn. Bull-gear and driving-wheel for traction-engines. No. 1,254,241; Jan. 22; v. 246; p. 893.
La Force, Burdette D., Ottumwa, Iowa. Surgical instrument. No. 1,279,713; Sept. 24; v. 254; p. 725.
La Forge, Frederick B., Washington, D. C. Manufacturing an adhesive material. No. 1,285,247; Nov. 19; v. 256; p. 533.
La Forge, Frederick B., Washington, D. C. Manufacturing gulonic lactone. No. 1,285,248; Nov. 19; v. 256; p. 533.
La Forge, Frederick B., Washington, D. C. Leavening agent. No. 1,288,428; Dec. 17; v. 257; p. 617.
La Forge, Frederick B., Washington, D. C. Manufacturing glucose. No. 1,288,429; Dec. 17; v. 257; p. 617.
La France, Richard, assignor to The Owens Bottle Machine Company, Toledo, Ohio. Means for distributing gases. No. 1,277,607; Sept. 3; v. 254; p. 76.
La Hodny, William, and F. X. Kibitz, assignors to Standard Mirror Co., Buffalo, N. Y. Machine for beveling mirrors and for analogous purposes. No. 1,275,447; Aug. 13; v. 253; p. 335.
La Hodny, William, and F. X. Kibitz, assignors to Standard Mirror Co., Buffalo, N. Y. Machine for beveling mirrors and for analogous purposes. No. 1,275,569; Aug. 13; v. 253; p. 368.
La Joie, Herbert J., Orange, N. J., assignor to the Autopiano Company. Tracker-bar attachment. No. 1,258,123; Mar. 5; v. 248; p. 51.
La Joie, Herbert J., Orange, N. J., assignor to Autopiano Company. Panel and pedal mechanism for musical instruments. No. 1,261,137; Apr. 2; v. 249; p. 41.
La Joie, Herbert J., Orange, N. J., assignor to Autopiano Company. Panel and pedal operating mechanism. No. 1,273,382; July 23; v. 252; p. 819.
La May, Arthur C., Rochester, N. Y. Fly-trap. No. 1,289,480; Dec. 31; v. 257; p. 928.
La Montagne, Patrick P., Bourbonnais, and P. Gable, Kankakee, assignors to Paramount Knitting Company, Chicago, Ill. Knitting-machine. No. 1,282,880; Oct. 29; v. 255; p. 881.
La Pierre, Peter. (See Odgers and La Pierre.)
La Plant, Edward W., and R. E. Choate, Cedar Rapids, Iowa. Stump-puller. No. 1,281,033; Oct. 8; v. 255; p. 279.
La Plant, Peter, assignor of one-half to A. Lathers, Duluth, Minn. Horseshoe-calk. No. 1,281,591; Oct. 15; v. 255; p. 464.
La Point, Frank L., assignor to International Supply Co., Kitchener, Ontario, Canada. Button. No. 1,266,961; May 21; v. 250; p. 636.
La Porte, Norbert M., Baltimore, Md., assignor, by mesne assignments, to The Motor Cooling Systems Company. Circulation control. No. 1,253,695; Jan. 15; v. 246; p. 719.
La Porte, Norbert M., Baltimore, Md. Cooling system. No. 1,277,735; Sept. 3; v. 254; p. 112.
La Porte, Norbert M., Baltimore, Md. Internal-combustion engine. No. 1,277,736; Sept. 3; v. 254; p. 112.
La Roche, Frederick L., assignor to Ira J. Coe, Oakland, Cal. Spring-motor. No. 1,278,688; Sept. 10; v. 254; p. 393.
La Roche, Montgomery, New York, N. Y. Face-mask. No. 1,279,884; Sept. 24; v. 254; p. 775.
La Rock, John, Chicago, Ill. Metal-cutting machine. No. 1,265,345; May 7; v. 250; p. 129.
La Roe, Henry, North River, N. Y. Bed-spring tightener. No. 1,273,074; July 16; v. 252; p. 711.
La Rose, Theodore J., and A. H. Ginsberg, Tallahassee, Fla. Sign. No. 1,284,909; Nov. 12; v. 256; p. 409.
La Rouche, Joseph H., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Apron for shoe-sewing machines. No. 1,269,097; June 11; v. 251; p. 308.
La Rouche, Joseph H., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. No. 1,274,723; Aug. 6; v. 253; p. 110.
La Rue, William D. (See Murray and La Rue.)
La Salle, Robert M., Miami, assignor to W. I. Tupman, Globe, Ariz. Steering device. No. 1,266,284; May 14; v. 250; p. 419.
La Vercombe, Harley H., Detroit, Mich. Die for re-forming reamers. No. 1,266,830; May 21; v. 250; p. 601.
La Vercombe, Harley H., Detroit, Mich. Re-forming reamers. No. 1,268,365; June 4; v. 251; p. 84.
La Verne, Andrew J., Detroit, Mich. Tractor-tire. No. 1,281,177; Oct. 8; v. 255; p. 320.
La Vine, Henry, Rochester, N. Y. Portable electric light. No. 1,261,824; Apr. 9; v. 249; p. 268.
Laabs, Max A., assignor to American Optical Company, Southbridge, Mass. Bifocal-lens fusing. No. 1,282,877; Oct. 29; v. 255; p. 880.
Laakso, Alfred, Wakefield, Mich. Ventilator. No. 1,289,821; Dec. 31; v. 257; p. 1012.
Laas, Edward, assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Rail-anchor. No. 1,262,214; Apr. 9; v. 249; p. 375.
Labem Machine Company. (See Putnam and Robbins, assignors.)
Labombarde, Elie W. (See Labombarde and Sidebotham, assignors.)
Labombarde, Elie W. (See Sidebotham, Melvin H., assignor.)
Labombarde, Elie W., Nashua, N. H. Top-gluing mechanism. No. 1,271,730; July 9; v. 252; p. 308.

Labombarde, Elie W., Nashua, N. H. Tray-box machine. No. 1,281,982; Oct. 15; v. 255; p. 567.
Labombarde, Leon E., and M. H. Sidebotham, assignors to E. W. Labombarde, Nashua, N. H. Envelop-machine. No. 1,253,054; Jan. 8; v. 246; p. 502.
Labreche, Joseph C. A., Montreal, Quebec, Canada. Smoking-pipe. No. 1,261,038; Apr. 2; v. 249; p. 14.
Labrie, George, Methuen, Mass. Roller-latch. No. 1,253,393; Jan. 15; v. 246; p. 633.
Lacasse, Joseph A., Detroit, Mich. Game apparatus. No. 1,273,381; July 23; v. 252; p. 819.
Lacene Manufacturing Company. (See Nichols, Elmer P., assignor.)
Lacerda, Harry A., assignor to Flannery Bolt Company, Schenectady, N. Y. Stay-bolt for boilers. No. 1,272,465; July 16; v. 252; p. 539.
Lacerda, Harry A., assignor to Flannery Bolt Company, Schenectady, N. Y. Stay-bolt for boilers. No. 1,275,944; Aug. 13; v. 253; p. 473.
Lacerda, Harry A., Schenectady, N. Y., and B. E. D. Stafford, assignors to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt. No. 1,285,245; Nov. 19; v. 256; p. 533.
Lacey, Fred. Lowell, Mass. Friction let-off for looms. No. 1,260,272; Mar. 19; v. 248; p. 738.
Lacey Manufacturing Corporation. (See Vreeland, Walter G., assignor.)
Lacey, Paul H., Chicago, Ill. Automatic safety device for preventing overload on motors and other driving elements. No. 1,274,722; Aug. 6; v. 253; p. 110.
Lachance, Modeste J., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Compensating pendulum-weight mechanism for dial-scales. No. 1,268,855; June 11; v. 251; p. 241.
Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Shell and projectile. No. 1,278,357; Sept. 10; v. 254; p. 304.
Lachman, Laurence S., New York, N. Y. Composite metal-work. No. 1,278,480; Sept. 10; v. 254; p. 335.
Lachman, Maurice, assignor to Structural Pressed Steel Wheel Company Inc., New York, N. Y. Metallic wheel. No. 1,256,579; Feb. 19; v. 247; p. 505.
Lachman Wall Bed Company. (See Beach, John C., assignor.)
Lachmann, Robert A., Chicago, A. W. Raymond, Evanston, and W. B. Senseman, assignors to Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Pulverizing apparatus. No. 1,260,406; Mar. 26; v. 248; p. 811.
Lachmann, Robert A., Chicago, A. W. Raymond, Evanston, and W. B. Senseman, assignors to The Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Pulverizing apparatus. No. 1,260,407; Mar. 26; v. 248; p. 811.
Lack, Israel, Brooklyn, N. Y. Method of smocking. No. 1,265,920; May 14; v. 250; p. 319.
Lackawanna Steel Company. (See Matthias, Thomas H., assignor.)
Lacke, William A., Chicago, Ill. Damper-regulator. No. 1,284,715; Nov. 12; v. 256; p. 359.
Lackey, William S., assignor to Myers Manufacturing Co., Camden, N. J. Cover for containers. No. 1,288,052; Dec. 17; v. 257; p. 528.
Lackman, Alexander, New York, N. Y. Fermenting sulfite liquor. No. 1,269,287; June 11; v. 251; p. 361.
Lackman, Alexander, Bradford, Pa. Manufacture of formates and oxalates. No. 1,274,169; July 30; v. 252; p. 1073.
Lackland, Thomas C., Norfolk, Va. Filter. No. 1,261,558; Apr. 2; v. 249; p. 161.
Lackner, Peter, New Brunswick, N. J. Universal micrometer. No. 1,266,493; May 14; v. 250; p. 475.
Laclair, Joseph A., Owendale, Mich. Milk-pail holder. No. 1,266,827; May 21; v. 250; p. 600.
Laclede-Christy Clay Products Company. (See Polk, Roger W., assignor.)
Lacroix, Joseph, Fall River, assignor of one-half to himself, and one-half to M. R. Hitch, New Bedford, Mass. Spindle. No. 1,283,812; Nov. 5; v. 256; p. 97.
Lacroix, Joseph, Fall River, assignor of one-half to himself, and one-half to M. R. Hitch, New Bedford, Mass. Thread-carrier. No. 1,283,813; Nov. 5; v. 256; p. 98.
Lacroix, Joseph D., Baltimore, Md., assignor to The Wilson Distilling Company, Jersey City, N. J. Spinning-machine for bottles. No. 1,273,878; July 30; v. 252; p. 990.
Lacy, Burritt S., Sewaren, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Manufacturing alcohols. No. 1,253,055; Jan. 8; v. 246; p. 503.
Lacy, Burritt S., Sewaren, N. J., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Apparatus for manufacturing halogen products of hydrocarbons. No. 1,263,906; Apr. 23; v. 249; p. 897.
Lacy, Burritt S., Sewaren, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Separation of the constituents of gaseous mixtures. No. 1,272,059; July 9; v. 252; p. 400.
Lacy, Burritt S., Sewaren, N. J., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacturing halogen products of hydrocarbons. No. 1,286,353; Dec. 3; v. 257; p. 41.
Lacy, John B., Chicago, Ill. Refrigerator. No. 1,271,482; July 2; v. 252; p. 203.
Lacy, Lucius G. (See MacLean, Fredrick F., assignor.) (Reissue.)
Ladd, George T., trustee. (See Remmen, Jörgen, assignor.)
Ladd, George T. (See Ritts, William H., assignor.)
Ladd, George T., Pittsburgh, Pa. Boiler. No. 1,283,814; Nov. 5; v. 256; p. 98.
Ladd, James B., Philadelphia, Pa., assignor to United States Cast Iron Pipe and Foundry Company, Burlington, N. J. Socket-pattern mechanism. No. 1,272,060; July 9; v. 252; p. 400.
Ladd, James B., Philadelphia, Pa., assignor to United States Cast Iron Pipe and Foundry Company, Burlington, N. J. Pattern-ramming machine for pipe-molding. No. 1,272,278; July 9; v. 252; p. 460.
Ladd, Louis E., Providence, R. I. Automatically-adjustable device. No. 1,264,530; Apr. 30; v. 249; p. 1102.
Ladd, William B., Kingston, Tenn. Automobile-cowl attachment. No. 1,269,462; June 11; v. 251; p. 408.
Ladoff, Isador, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp electrode. No. 1,281,796; Oct. 15; v. 255; p. 518.
Ladrie, Joseph. (See Gamache, Cleophas, assignor.)
Ladwig, Frank O., assignor of one-third to H. K. Blythe, Chicago, Ill., and one-third to J. Weed, Hartland, Wis. Sign. No. 1,262,360; Apr. 9; v. 249; p. 416.
Laencher, Frederick W., Woodhaven, N. Y., assignor to W. C. Ritchie & Company, Chicago, Ill. Box-making machine. No. 1,280,248; Oct. 1; v. 255; p. 37.
Laffay, Fernand, London, England, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,256,702; Feb. 19; v. 247; p. 541.
Lafferty, Robert C., New York, N. Y. Elevating-truck. No. 1,262,361; Apr. 9; v. 249; p. 416.
Lafferty, Robert C., assignor to A. M. Jenkins, New York, N. Y. Ice-tool. No. 1,267,233; May 21; v. 250; p. 714.
Lafferty, Robert C., New York, N. Y., assignor to Window Crib Company, Inc. Combined crib, cradle, and carriage. No. 1,289,479; Dec. 31; v. 257; p. 928.
Lafler, William, Lake George, Mich. Railway-tie plate. No. 1,267,234; May 21; v. 250; p. 714.
Laflame, Walter W., Pittsburgh, Pa. Yieldable coupling. No. 1,275,568; Aug. 13; v. 253; p. 368.
Lafon, Walter L., *et al.* (See Biggers, Lee P., assignor.)
Laforest, Aubin A., Washington, D. C. Swinging-barrel coin holder and deliverer. No. 1,289,198; Dec. 31; v. 257; p. 857.
Laforge, Auguste P., Lincoln, Cal. Resilient tire. No. 1,253,985; Jan. 15; v. 246; p. 800.
Lafranchi, Alfred, Snohomish, Wash. Cargo-sling. No. 1,265,921; May 14; v. 250; p. 319.
Lage, Albert H., Paullina, Iowa. Combination trestle and scaffold support. No. 1,261,560; Apr. 2; v. 249; p. 162.
Lage, Rudolph. (See Thiessen and Lage.)
Lagergren, Nils M., Portland, Oreg. Bed. No. 1,273,879; July 30; v. 252; p. 991.
Lago, Raymond N., and W. J. Barrett, San Francisco, Cal. Inner-tube protector. No. 1,253,501; Jan. 15; v. 246; p. 663.
Lagois, Otto H., Jersey City, N. J. Article-carrier. No. 1,282,878; Oct. 29; v. 255; p. 880.
Lagosz, Josef, Witherbee, N. Y. Door-lock. No. 1,288,618; Dec. 24; v. 257; p. 693.
Lagrange, Federico A. (See Saccaggio and Lagrange.)
Laguionie, Edmond U., Paris, France. Plan or map in duplicate and applied over each other recto-verso. No. 1,286,031; Nov. 26; v. 256; p. 770.
Lahey, Frank T. (See Lenke, Edward, assignor.)
Laibach, Franz, New York, N. Y. Lookout or door-peep. No. 1,287,349; Dec. 10; v. 257; p. 322.
Laing, Alexander, Sydney, Nova Scotia, Canada. Valve. No. 1,259,639; Mar. 19; v. 248; p. 555.
Laing, Allen B. (See Bintliff, Wilbert T., assignor.)
Laird, Frederick, Claypool, Okla. Disk-plow attachment. No. 1,286,354; Dec. 3; v. 257; p. 42.
Laird, Guy M., assignor of one-half to L. B. Lincoln, Chicago, Ill. Electric-resistance element. No. 1,257,272; Feb. 19; v. 247; p. 708.
Laird, Guy M., assignor of one-half to L. B. Lincoln, Chicago, Ill. Connector. No. 1,259,752; Mar. 19; v. 248; p. 589.
Laird, Joseph S., Ann Arbor, Mich. Hydrating clay. No. 1,275,705; Aug. 13; v. 253; p. 406.
Laird, Wesley E. (See Shaw and Laird.)
Laird, Wesley E. (See Wagner and Laird.)
Laisné, Eugène W., Fresno, Cal. Forming curved surfaces. No. 1,286,032; Nov. 26; v. 256; p. 770.
Laisne, Léon, Douai, France. Automobile-frame. No. 1,264,094; Apr. 23; v. 249; p. 947.
Laist, Frederick, assignor to Anaconda Copper Mining Company, Anaconda, Mont. Treating zinc ores. No. 1,255,438; Feb. 5; v. 247; p. 93.
Laist, Frederick, assignor to Anaconda Copper Mining Company, Anaconda, Mont. Treating complex ores or concentrates therefrom. No. 1,255,440; Feb. 5; v. 247; p. 94.

Laist, Frederick, assignor to Anaconda Copper Mining Company, Anaconda, Mont. Recovering zinc. No. 1,281,031; Oct. 8; v. 255; p. 278.
Laist, Frederick, assignor to Anaconda Copper Mining Company, Anaconda, Mont. Recovering zinc. No. 1,281,032; Oct. 8; v. 255; p. 278.
Laist, Frederick, and J. O. Elton, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Recovering zinc from its solutions. No. 1,255,433; Feb. 5; v. 247; p. 92.
Laist, Frederick, and J. O. Elton, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Purifying zinc-bearing solutions. No. 1,255,434; Feb. 5; v. 247; p. 93.
Laist, Frederick, and J. O. Elton, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Purifying zinc-bearing solutions. No. 1,255,435; Feb. 5; v. 247; p. 93.
Laist, Frederick, and J. O. Elton, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Process of recovering zinc from ores. No. 1,255,436; Feb. 5; v. 247; p. 93.
Laist, Frederick, and J. O. Elton, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Electrodeposition of metals. No. 1,255,437; Feb. 5; v. 247; p. 93.
Laist, Frederick, and J. O. Elton, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Recovering zinc from ores. No. 1,255,439; Feb. 5; v. 247; p. 94.
Laitman, Samuel, Brooklyn, N. Y. Traveling-bag. No. 1,286,355; Dec. 3; v. 257; p. 42.
Lake, Arnold M., Argos, Ind. Wrench. No. 1,254,813; Jan. 29; v. 246; p. 1089.
Lake, Christopher J., Bridgeport, Conn. Hull for floating bodies. No. 1,279,126; Sept. 17; v. 254; p. 539.
Lake, Christopher J., Bridgeport, Conn. Airplane. No. 1,279,127; Sept. 17; v. 254; p. 539.
Lake, Christopher J., Bridgeport, Conn. Power plant. No. 1,279,128; Sept. 17; v. 254; p. 539.
Lake, Christopher J., Bridgeport, Conn. Motor. No. 1,279,367; Sept. 17; v. 254; p. 605.
Lake, Franklin W., Kingston, Ontario, Canada. Aeroplane. No. 1,260,917; Mar. 26; v. 248; p. 957.
Lake, Franklin W., Kingston, Ontario, Canada. Aeroplane. No. 1,278,358; Sept. 10; v. 254; p. 304.
Lake, Fred O., Washington, D. C. Combination knife and scissors sharpener. No. 1,258,124; Mar. 5; v. 248; p. 51.
Lake, George W., Rumford, assignor of one-half to H. W. Pearson, Providence, R. I. Device for withdrawing liquid from containers. No. 1,280,767; Oct. 8; v. 255; p. 207.
Lake, John, Philadelphia, Pa. Dry-dock system. No. 1,272,679; July 16; v. 252; p. 601.
Lake, Otto W., Visalia, Cal. Tire-device carrier. No. 1,262,215; Apr. 9; v. 249; p. 375.
Lake, Simon, Milford, Conn. Fly-wheel. No. 1,272,061; July 9; v. 252; p. 401.
Lake, Simon, Milford, Conn. Apparatus for making metal castings. No. 1,272,062; July 9; v. 252; p. 401.
Lake, Simon, Milford, Conn. Concrete building construction. No. 1,273,073; July 16; v. 252; p. 711.
Lake, Simon, Milford, Conn. Internal-combustion engine. No. 1,276,083; Aug. 20; v. 253; p. 543.
Lakin, Arthur D., Latham, Ill. Amusement device. No. 1,266,494; May 14; v. 250; p. 475.
Lakin, James B., Phelps City, Mo. Stove. No. 1,287,051; Dec. 10; v. 257; p. 247.
Lakios, George J., Houston, Tex. Float-valve. No. 1,258,790; Mar. 12; v. 248; p. 283.
Lalley Electric Shifter Co. (See Batsner, Arthur M., assignor.)
Lalley, William E., Seattle, Wash. Window-lock. No. 1,285,249; Nov. 19; v. 256; p. 533.
Lally, Harry T., Jr., Alameda, Cal. Toilet-bowl. No. 1,254,609; Jan. 22; v. 246; p. 999.
Lally, John, Boston, Mass. Building construction. No. 1,258,917; Mar. 12; v. 248; p. 320.
Lally, John, Boston, Mass. Building-column. No. 1,261,407; Apr. 2; v. 249; p. 118.
Lalond, Mathias. (See Soucy, Elzeard O., assignor.)
Lamar, Alexis L., Pittsburg, Kans., assignor to C. F. Dike, Joplin, Mo. Kerosene-vaporizer. (Reissue.) No. 14,501; Aug. 13; v. 253; p. 489.
Lamar, Leonard A., Portland, Oreg. Submarine. No. 1,271,513; July 2; v. 252; p. 212.
Lamar, Leonard A., and P. Borgan, Portland, Oreg. Life-saving apparatus. No. 1,273,383; July 23; v. 252; p. 819.
Lamb, Albert. (See Halapieus and Lamb.)
Lamb Brothers & Greene. (See Lamb, George L., assignor.)
Lamb, Charles G., St. Paul, Minn. Fountain-brush. No. 1,256,142; Feb. 12; v. 247; p. 339.
Lamb, Elden P., assignor of eleven-twentieths to J. Bird, Camden, Me. Carbureter. No. 1,257,888; Feb. 26; v. 247; p. 924.
Lamb, George L., Nappanee, Ind. Rug-beater. No. 1,263,775; Apr. 23; v. 249; p. 859.
Lamb, George L., assignor to Lamb Brothers & Greene, Nappanee, Ind. Lamp-cluster. No. 1,257,436; Feb. 26; v. 247; p. 800.
Lamb, Joseph F. (See Carlson and Lamb.)
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrical cooking apparatus. No. 1,259,417; Mar. 12; v. 248; p. 462.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Attaching means. No. 1,289,481; Dec. 31; v. 257; p. 928.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Eye-shield and securing means therefor. No. 1,289,482; Dec. 31; v. 257; p. 929.
Lamb, Norman L., Boone, Iowa. Non-skid attachment. No. 1,286,656; Dec. 3; v. 257; p. 115.
Lamb, Peter S., Ottawa, Ontario, Canada. Tamping-machine. No. 1,282,879; Oct. 29; v. 255; p. 881.
Lamb, William, Detroit, Mich. Hoist. No. 1,282,438; Oct. 22; v. 255; p. 733.
Lamb, William E., Burr Oak, Kans. Driving mechanism for motor-vehicles. No. 1,282,598; Oct. 22; v. 255; p. 775.
Lamb, Willis E., Los Angeles, Cal., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,275,186; Aug. 6; v. 253; p. 239.
Lambe, John B., Graettinger, Iowa. Pipe-cutter. No. 1,270,175; June 18; v. 251; p. 635.
Lambe, William J. (See Dorgan and Lambe.)
Lambert, Albert L., assignor to Hale and Kilburn Company, Philadelphia, Pa. Grab-handle for car-seats. No. 1,261,246; Apr. 2; v. 249; p. 71.
Lambert, Alvan R. (See Howe and Lambert.)
Lambert, Charles G., Shreveport, La. Separator. No. 1,262,522; Apr. 9; v. 249; p. 460.
Lambert, Charles R., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Protecting-shield for torches. No. 1,258,229; Mar. 5; v. 248; p. 81.
Lambert, Daniel F., West Concord, Minn. Garment-stretcher. No. 1,253,608; Jan. 15; v. 246; p. 693.
Lambert, F. B. (See Sackett, Charley E., assignor.)
Lambert, Frank, assignor to Thomson Meter Company, Brooklyn, N. Y. Current fluid-meter. No. 1,253,502; Jan. 15; v. 246; p. 663.
Lambert, George A. (See Flick and Lambert.)
Lambert, George H., Asheville, N. C. Teeing-platform. No. 1,276,775; Aug. 27; v. 253; p. 771.
Lambert, Harry B. (See Lambert, John, Jr., and H. B.)
Lambert, Henry M., Portland, Oreg., assignor to O. A. Shaw, Oakland, Cal. Vehicle-wheel. No. 1,260,029; Mar. 19; v. 248; p. 671.
Lambert, Henry M., Portland, Oreg., assignor to Lambert Multiplus Co., Phoenix, Ariz. Cushion-tire for vehicle-wheels. No. 1,268,078; May 28; v. 250; p. 975.
Lambert, Henry M., Portland, Oreg. Belt. No. 1,287,703; Dec. 17; v. 257; p. 440.
Lambert, Henry M., Portland, Oreg. Rotary engine. No. 1,271,178; July 2; v. 252; p. 120.
Lambert, Homer H., Portland, Oreg. Combination-rule. No. 1,264,531; Apr. 30; v. 249; p. 1103.
Lambert, Howard J., Portland, Oreg., assignor of one-half to J. Griggs, Tacoma, Wash. Direction-indicator. No. 1,254,242; Jan. 22; v. 246; p. 893.
Lambert, Irvin C. (See Lavezzi, Samuel J., assignor.)
Lambert, John, Jr., New Rochelle, and H. B. Lambert, North Pelham, N. Y. Valve. No. 1,274,426; Aug. 6; v. 253; p. 24.
Lambert, Joseph P., New York, N. Y. Billiard-ball. No. 1,286,657; Dec. 3; v. 257; p. 115.
Lambert Multiplus Co. (See Lambert, Henry M., assignor.)
Lambert, Newton W., North Plainfield, N. J. Adjustable bearing-bolt. No. 1,287,350; Dec. 10; v. 257; p. 322.
Lambert, T. A. (See Thornberg, Lee A., assignor.)
Lambert, Thomas H. (See Rowland and Lambert.)
Lamberton, Charles G., East Akron, Ohio. Vehicle-robe holder. No. 1,285,250; Nov. 19; v. 256; p. 533.
Lambeth, Acey L., assignor to G. H. Hedick, secretary, A. M. Hedick, E. J. Beach, and M. Farrer, Mineral Wells, Tex. Compression-indicator. No. 1,286,033; Nov. 26; v. 256; p. 770.
Lambeth, William C., Henderson, Tex. Peanut-sheller. No. 1,258,125; Mar. 5; v. 248; p. 51.
Lambie, Robert C., Austin, Tex. Churn-dasher. No. 1,253,394; Jan. 15; v. 246; p. 633.
Lambrix, Mary J., Buffalo, N. Y. Child's underwaist. No. 1,261,408; Apr. 2; v. 249; p. 118.
Lambson, De Witt C., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Braking device for elevating-trucks. No. 1,269,095; June 11; v. 251; p. 308.
Lamet, Hille J., assignor of one-fourth to S. A. Ostrander, Detroit, Mich. Bolt-securing means for concrete construction. No. 1,286,658; Dec. 3; v. 257; p. 115.
Lamey, John, Evansville, Ind. Combination-stand. No. 1,259,247; Mar. 12; v. 248; p. 412.
Lamm, Edward A., Colden, N. Y. Bed-spring. No. 1,280,495; Oct. 1; v. 255; p. 106.
Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switching device. No. 1,275,945; Aug. 13; v. 253; p. 473.
Lammertz, Henry, Philadelphia, Pa. Portable garbage plant. No. 1,259,248; Mar. 12; v. 248; p. 413.
Lamont, James H., Beloit, Wis. Stand for musical instruments. No. 1,268,363; June 4; v. 251; p. 84.

Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Truck side frame. No. 1,274,170; July 30; v. 252; p. 1073.
Lamoureux, Joseph O., Montreal, Quebec, Canada. Stamp-canceling machine. No. 1,261,039; Apr. 2; v. 249; p. 14.
Lampert, Henry H. (See Brady, George, assignor.)
Lampert, Henry H., Chicago, Ill. Bar support and spacer for concrete-reinforcements. No. 1,257,616; Feb. 26; v. 247; p. 844.
Lampert, Henry H., Chicago, Ill. Bar-support and spacer for concrete-reinforcements. No. 1,261,247; Apr. 2; v. 249; p. 72.
Lampert, Henry H., Chicago, Ill. Bar support and spacer for concrete reinforcements. No. 1,263,776; Apr. 23; v. 249; p. 860.
Lampert, Henry H., Chicago, Ill. Reinforcing system for concrete. No. 1,265,094; May 7; v. 250; p. 63.
Lampert, Henry H., Chicago, Ill. Bar support and spacer for concrete reinforcements. No. 1,287,052; Dec. 10; v. 257; p. 248.
Lamphere, Charles S., assignor to Illinois Publishing and Printing Company, Chicago, Ill. Miter-machine. No. 1,273,235; July 23; v. 252; p. 780.
Lamphier, Edward A., Kalamazoo, Mich. Optical instrument. No. 1,283,815; Nov. 5; v. 256; p. 99.
Lamphier, Robert C., assignor to Sangamo Electric Company, Springfield, Ill. Graphic recording instrument. No. 1,258,918; Mar. 12; v. 248; p. 320.
Lampson, Edward C., Jefferson, assignor of one-half to A. W. Green, Middlefield, Ohio. Automobile-lock. No. 1,260,918; Mar. 26; v. 248; p. 958.
Lampson, Edward C., Jefferson, Ohio. Lock. No. 1,288,053; Dec. 17; v. 257; p. 529.
Lamson Company, The. (See Amsden, George A., assignor.)
Lamson Company, The. (See Amsden and Kidder, assignors.)
Lamson Company, The. (See Bemis, Thomas, Sr., assignor.)
Lamson Company, The. (See Bixby, Walter, assignor.)
Lamson Company, The. (See Cowley, James T., assignor.)
Lamson Company, The. (See Koenig, August, assignor.)
Lamson Company, The. (See Jennings, Chester S., assignor.)
Lamson Company, The. (See Loring, Ernest J., assignor.)
Lamson Company, The. (See Marcy, Willard A., assignor.)
Lamson Company, The. (See Pearsall, Albert W., assignor.)
Lamson Company, The. (See Robinson, Henry W., assignor.)
Lamson Company, The. (See Snow, Edwin M., assignor.)
Lancaster, Cecil J., Richmond, Va. Safety-shutter. No. 1,267,087; May 21; v. 250; p. 672.
Lancaster, Edgar T., Palatka, Fla. Bag-fastener. No. 1,287,704; Dec. 17; v. 257; p. 440.
Lancaster, John T., assignor to Hamel Shoe Machinery Company, Haverhill, Mass. Tack-puller. No. 1,268,021; May 28; v. 250; p. 960.
Lancaster, John T., assignor to Hamel Shoe Machinery Company, Haverhill, Mass. Tack-puller. No. 1,268,022; May 28; v. 250; p. 960.
Lancaster, Thomas W., Chicago, Ill. Puzzle. No. 1,264,944; May 7; v. 250; p. 20.
Lance, Arthur, Darlington, S. C. Vehicle-wheel. No. 1,285,251; Nov. 19; v. 256; p. 534.
Lance, George, Ponderey, Idaho. Rail-joint. No. 1,273,505; July 23; v. 252; p. 852.
Lanchester, Frederick W., London, England. Fuel-feed valve and valve-operating mechanism for internal-combustion engines. No. 1,274,059; July 30; v. 252; p. 1042.
Lancia, Vincenzo, Turin, Italy. Spring suspension for motor-vehicles. No. 1,281,590; Oct. 15; v. 255; p. 463.
Lancor, Joseph H., Providence, R. I. Bow-holder. No. 1,271,731; July 9; v. 252; p. 308.
Land, Edmund, Detroit, Mich., assignor to Century Storage Battery Company. Storage-battery cover. No. 1,269,096; June 11; v. 251; p. 308.
Landa, Louis F., Flushing, N. Y. Polishing composition. No. 1,278,172; Sept. 10; v. 254; p. 254.
Landau, Max, Berlin, Germany. Preserving wood. No. 1,274,171; July 30; v. 252; p. 1073.
Landauer, Josef. (See Schneider and Landauer.)
Landeck, John. (See Nelson and Landeck.)
Landefeld, Alexander F., Mansfield, Ohio. Automatic camera-locking device. No. 1,281,175; Oct. 8; v. 255; p. 319.
Lander, Wintworth V., Newton, Mass., assignor to General Indurating Corporation. Impregnating composition and method of making same. No. 1,277,322; Aug. 27; v. 253; p. 915.
Lander, Wintworth V., Newton, Mass., assignor to General Indurating Corporation. Filling and indurating porous material and the product thereof. No. 1,278,943; Sept. 17; v. 254; p. 492.
Landers, Douglas J., *et al.* (See Norman, Frank, assignor.)
Landers, Douglas J., *et al.* (See Thompson, George W., assignor.)
Landers, Frary & Clark. (See Carlson and Lamb, assignors.)
Landers, Frary & Clark. (See Griffin, John B., assignor.)
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)
Landers, William H., New Almaden, assignor of one-half to Pacific Foundry Company, San Francisco, Cal. Continuous retort for treating quicksilver ores. No. 1,256,703; Feb. 19; v. 247; p. 541.
Landfried, Homer, Challis, Idaho. Game-trap drag. No. 1,258,023; Mar 5; v. 248; p. 22.
Landgraf, Frederick, assignor to Flannery Bolt Company, Bridgeville, Pa. Flexible stay-bolt for boilers. No. 1,256,911; Feb. 19; v. 247; p. 603.
Landgraf, Frederick K. (See Flannery, Dodds, and Landgraf.)
Landine, Peter N., assignor to The Rostand Manufacturing Company, Milford, Conn. Wind-shield. No. 1,265,680; May 7; v. 250; p. 219.
Landis, Abraham B., Enfield, Pa. Change-speed gearing. No. 1,289,199; Dec. 31; v. 257; p. 857.
Landis, Abraham B., Enfield, Pa. Change-speed gearing. No. 1,289,200; Dec. 31; v. 257; p. 858.
Landis, Abraham B., Enfield, Pa. Change-speed gearing. No. 1,289,201; Dec. 31; v. 257; p. 858.
Landis Machine Company. (See Blair, William R., assignor.)
Landis, Heinrich, Zug, Switzerland. Method and means for measuring electrical energy. No. 1,281,399; Oct. 15; v. 255; p. 414.
Landis, I. L., *et al.* (See Chambers, Frank A., assignor.)
Landis, John T., Nashville, Tenn. Surgical instrument. No. 1,278,944; Sept. 17; v. 254; p. 492.
Landis, John T., Nashville, Tenn. Pneumatic dilator. No. 1,282,881; Oct. 29; v. 255; p. 881.
Landis Machine Co. (See Fisher, Henry L., assignor.)
Landis, Samuel K., Lancaster, Pa. Combination turret-lathe. No. 1,251,542; Jan. 1; v. 246; p. 29.
Landis, Samuel K., Lancaster, Pa. Reversing mechanism. No. 1,283,531; Nov. 5; v. 256; p. 25.
Landmann, Henry, Philadelphia, Pa. Automobile-lock. No. 1,274,427; Aug. 6; v. 253; p. 24.
Landmann, Louis, Jefferson City, Mo. Sanitary ventilating water-closet bowl. No. 1,261,561; Apr. 2; v. 249; p. 162.
Landman, Herman, Kansas City, Mo. Ice-cream dipper-mold. No. 1,278,686; Sept. 10; v. 254; p. 392.
Landmesser, Walter N., Oskalooso, Iowa. Stuffing-box. No. 1,274,564; Aug. 6; v. 253; p. 64.
Landolfi, Louis, assignor of one-half to M. Pascocello and one-half to J. D. Caruso, New York, N. Y. Non-refillable bottle. No. 1,254,915; Jan. 29; v. 246; p. 1121.
Landoll, Rupert X., Carthagena, Ohio. Circular-saw machine. No. 1,269,288; June 11; v. 251; p. 361.
Landon, Archer A., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Automatic damper control. No. 1,256,143; Feb. 12; v. 247; p. 339.
Landon, Archer A., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Controlling device for mold-jarring machines. No. 1,279,368; Sept. 17; v. 254; p. 606.
Landon, Frank L., *et al.* (See Hammer, Louis, assignor.)
Landon, Horace Z., Cambridge, Mass. Alarm-valve for automatic sprinkler systems. No. 1,279,883; Sept. 24; v. 254; p. 775.
Landon, Jesse, and F. W. Martyn, Watford, England. Self-propelled vehicle. No. 1,266,495; May 14; v. 250; p. 475.
Landon, Warren C., assignor to Multipost Company, Rochester, N. Y. Straightening device for coiled strips of stamps or the like. No. 1,277,432; Sept. 3; v. 254; p. 29.
Landquist, Julius W., Woodland, Cal. Garment-support. No. 1,278,945; Sept. 17; v. 254; p. 492.
Landrin, Marcel, Soissons, France. Traction-wheel. No. 1,260,213; Mar. 19; v. 248; p. 721.
Landry, Adolphus H., Tilton, N. H. Head-motion for looms. No. 1,264,095; Apr. 23; v. 249; p. 948.
Landry, George A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for plating. No. 1,280,249; Oct. 1; v. 255; p. 37.
Landsiedel, Harry, Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding-machine. No. 1,270,845; July 2; v. 252; p. 25.
Landsiedel, Harry, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding-machine. No. 1,278,687; Sept. 10; v. 254; p. 393.
Lane, Albert E., Chicago, J. R. Blaine and C. Henderson, Oak Park, Ill., assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet-buckler. No. 1,289,051; Dec. 24; v. 257; p. 796.
Lane, Alfred, Rawdon, and T. More, Leeds, England. Milling-lathe. No. 1,286,659; Dec. 3; v. 257; p. 116.
Lane, Alfred M., St. Louis, Mo. Torpedo-snare. No. 1,272,680; July 16; v. 252; p. 601.
Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Fruit-tray and making same. No. 1,289,202; Dec. 31; v. 257; p. 859.

Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Fruit-tray. No. 1,289,203; Dec. 31; v. 257; p. 859.
Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Drying-tray. No. 1,289,204; Dec. 31; v. 257; p. 859.
Lane Bryant, Inc. (See Malsin, Albert, assignor.)
Lane, Charles C., assignor to Lane Mill & Machinery Co., Los Angeles, Cal. Chilian mill. No. 1,264,532; Apr. 30; v. 249; p. 1103.
Lane, Charles E., Maitland, Fla. Agricultural tool. No. 1,283,221; Oct. 29; v. 255; p. 973.
Lane, Charles W., Atlanta, Ga. Antirattler for window-sashes. No. 1,273,625; July 23; v. 252; p. 885.
Lane, Edwin B., West Hoboken, N. J. Thermostat. No. 1,254,814; Jan. 29; v. 246; p. 1089.
Lane, Edwin J., South Hackney, London, England. Vise. No. 1,289,205; Dec. 31; v. 257; p. 859.
Lane, Elmer E., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Skiving-machine. No. 1,260,551; Mar. 26; v. 248; p. 854.
Lane, Elmer E., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Skiving-machine. No. 1,260,552; Mar. 26; v. 248; p. 854.
Lane, Elmer E., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Skiving-machine. No. 1,260,553; Mar. 26; v. 248; p. 855.
Lane, Ernest W., Waverly, Iowa. Electric-lighting system for automobiles. No. 1,276,934; Aug. 27; v. 253; p. 812.
Lane, Floyd, Falconer, N. Y. Milk-bottle cap. No. 1,265,457; May 7; v. 250; p. 161.
Lane, Frank. (See Beezley and Lane.)
Lane, Franklin L., assignor to P. B. Yates Machine Company, Beloit, Wis. Profile cutter-head. No. 1,287,053; Dec. 10; v. 257; p. 248.
Lane, Henry M., Detroit, Mich. Conveying mechanism. No. 1,266,828; May 21; v. 250; p. 600.
Lane, Henry M., Detroit, Mich. Conveying mechanism. No. 1,274,900; Aug. 6; v. 253; p. 159.
Lane, Henry M., Cincinnati, Ohio. Stool for ingot-molds. No. 1,286,660; Dec. 3; v. 257; p. 116.
Lane, James S., Snohomish, Wash. Stop for talking-machines. No. 1,259,110; Mar. 12; v. 248; p. 376.
Lane, John E. (See Jones, Lane, and Lillie.)
Lane, John W., Los Angeles, Cal. Thread-cutting tool. No. 1,270,958; July 2; v. 252; p. 58.
Lane, Major A., Paola, Kans. Automobile-tire pump. No. 1,267,088; May 21; v. 250; p. 673.
Lane, Michael C., *et al.* (See Cooper, Grover C., assignor).
Lane Mill & Machinery Co. (See Lane, Charles C., assignor.)
Lane, Philander E., Atlantic City, N. J., assignor to Virginia Shipbuilding Corporation, Alexandria, Va. Adjustable die-holder. No. 1,288,054; Dec. 17; v. 257; p. 529.
Lane, Victor E., Detroit, Mich. Electric hammer. No. 1,278,359; Sept. 10; v. 254; p. 304.
Lane, William E., Washington, D. C. Aeroplane. No. 1,266,829; May 21; v. 250; p. 601.
Lane, William T., Bayside, N. Y., assignor to Franklin Railway Supply Company, Wilmington, Del. Fire-door apparatus. No. 1,288,619; Dec. 24; v. 257; p. 693.
Lanes, Samuel, New York, N. Y. Combined chair and bed. No. 1,261,040; Apr. 2; v. 249; p. 15.
Lanferman, Harry F., Radersburg, Mont. Rake. No. 1,283,816; Nov. 5; v: 256; p. 99.
Lang, Arthur C., assignor to N. K. Fairbank Company, Chicago, Ill. Collapsible display-stand. No. 1,254,639; Jan. 22; v. 246; p. 1007.
Lang, Charles R., Cathcart, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Steam-turbine. No. 1,279,369; Sept. 17; v. 254; p. 606.
Lang, Edward M., Jr., Portland, Me. Collar-button. No. 1,274,060; July 30; v. 252; p. 1042.
Lang, Frederick W., Minneapolis, Minn. Joint-protector for sewer-pipes. No. 1,255,023; Jan. 29; v. 246; p. 1149.
Lang, George L., assignor to Splitdorf Electrical Company, Newark, N. J. Timer-distributer. No. 1,267,671; May 28; v. 250; p. 861.
Lang, George L., assignor to Splitdorf Electrical Company, Newark, N. J. Lubricant-cup. No. 1,270,846; July 2; v. 252; p. 26.
Lang, George L., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition system. No. 1,287,705; Dec. 17; v. 257; p. 440.
Lang, Jacob, Salisbury, Mo. Folding car-step. No. 1,267,878; May 28; v. 250; p. 921.
Lang, James S., Boston, Mass. Shock-absorber. No. 1,269,289; June 11; v. 251; p. 361.
Lang, Martin H., Minneapolis, Minn. Traction-engine. No. 1,259,878; Mar. 19; v. 248; p. 625.
Lang, William C., Cleveland, Ohio. Frame or holder for mold-patterns. No. 1,279,714; Sept. 24; v. 254; p. 725.
Langan, Michael L. (See Langan, Peter D. and M. L.)
Langan, Peter D. and M. L., Scranton, Pa. Lamp for automobiles. No. 1,267,235; May 21; v. 250; p. 714.
Langdale, Jefferson D., Council, Ga. Fish-trap. No. 1,286,661; Dec. 3; v. 257; p. 116.
Langdon, Jesse D., Waterville, Wash. Memorandum-clip for telephones. No. 1,280,496; Oct. 1; v. 255; p. 106.
Langdon, John F., Kansas City, Kans. Band-cutter and feeder. No. 1,261,562; Apr. 2; v. 249; p. 163.
Langdon, John J., Pueblo, Colo. Bookcase. No. 1,269,825; June 18; v. 251; p. 542.
Langdon, William, Toledo, Ohio. Pipe-hanger. No. 1,289,822; Dec. 31; v. 257; p. 1012.
Langdon, William C., Wichita, Kans. Connection assembly for awnings and tents. No. 1,275,050; Aug. 6; v. 253; p. 202.
Lange, Albert, and A. Metzger, New York, N. Y. Printer's quoin. No. 1,257,889; Feb. 26; v. 247; p. 925.
Lange, Henry, *et al.* (See McQueen, Clarence A., assignor.)
Langen, George, assignor to The Cincinnati Planer Company, Cincinnati, Ohio. Gearing. No. 1,282,088; Oct. 22; v. 255; p. 637.
Langenbach, Arnold. (See Pedersen, Henning E., assignor.)
Langer, Konrad, Baltimore, Md. Telescopic smoke-stack. No. 1,283,817; Nov. 5; v. 256; p. 99.
Langford, Joseph O., assignor of one-half to H. Mohr, El Paso, Tex. Plane attachment. No. 1,270,744; June 25; v. 251; p. 814.
Langhammer, Frank L., Bridgeport, Conn. Garment-clasp. No. 1,266,960; May 21; v. 250; p. 636.
Langhorne, Jacob V., Englewood, assignor of one-half to S. M. Batton, Denver, Colo. Receptacle-closure. No. 1,265,095; May 7; v. 250; p. 63.
Langille, Ernest A., San Francisco, Cal. Combined step and extension ladder. No. 1,269,463; June 11; v. 251; p. 408.
Langley, Edwin G. L., North Hadley, Mass. Postage-stamper. No. 1,277,323; Aug. 27; v. 253; p. 915.
Langley, Sam G., Maplewood, assignor to New Jersey Patent Company, West Orange, N. J. Switch. No. 1,286,357; Dec. 3; v. 257; p. 42.
Langlykke, Peter I., assignor to Haggard & Marcusson Company, Chicago, Ill. Spring bed-bottom. No. 1,279,715; Sept. 24; v. 254; p. 726.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. No. 1,271,483; July 2; v. 252; p. 203.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Means for transforming direct current. No. 1,273,626; July 23; v. 252; p. 885.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Method of and means for controlling electric currents or potentials. No. 1,273,627; July 23; v. 252; p. 885.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Film-conductor and making the same. No. 1,273,628; July 23; v. 252; p. 885.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Exhausting incandescent lamps. No. 1,273,629; July 23; v. 252; p. 886.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. No. 1,273,630; July 23; v. 252; p. 886.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. No. 1,273,783; July 23; v. 252; p. 925.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. No. 1,280,768; Oct. 8; v. 255; p. 208.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. System of distribution. No. 1,280,769; Oct. 8; v. 255; p. 208.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. System for amplifying variable currents. No. 1,282,439; Oct. 22; v. 255; p. 733.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electric-discharge-controlling device and operating the same. No. 1,289,823; Dec. 31; v. 257; p. 1012.
Langner, Lawrence, New York, N. Y., assignor to The Dayton Engineering Laboratories Company. Ignition system. No. 1,259,529; Mar. 19; v. 248; p. 526.
Langner, Lawrence, Whitestone Landing, N. Y., assignor to The Dayton Engineering Laboratories Company. Engine starting device. No. 1,273,880; July 30; v. 252; p. 991.
Langner, Lawrence, London, England, assignor to Aeolian Company, New York, N. Y. Synchronously-operated reproducing apparatus. No. 1,277,224; Aug. 27; v. 253; p. 891.
Langolf, Fred T., assignor of one-half to W. A. Rauch, Elwood, Ind. Automobile-controlling device. No. 1,275,706; Aug. 13; v. 253; p. 406.
Langsenkamp, Frank H., Indianapolis, Ind. Heating-coil. No. 1,288,055; Dec. 17; v. 257; p. 529.
Langsenkamp, William, Jr., trustee. (See Miller, Frank S., assignor.) (Reissue.)
Langslow, Stratton C. (See Thum, Martin, assignor.)
Langston, James F. (See Woods and Langston.)
Langton, George H., and J. W. Small, Portsmouth, Va Flexible pipe-coupling. No. 1,263,777; Apr. 23; v. 249; p. 860.

Langton, George H., and J. W. Small, Portsmouth, Va. Flexible pipe-coupling. No. 1,271,179; July 2; v. 252; p. 120.
Langton, Morgan J., Oswego, N. Y. Siding or clapboard spacing gage. No. 1,261,822; Apr. 9; v. 249; p. 268.
Langton, William T., assignor of forty one-hundredths to A. J. Hudson, Cleveland, Ohio. Means for applying and removing antiskid devices. No. 1,288,620; Dec. 24; v. 257; p. 693.
Langworthy, Ralph W., Tucson, and H. H. Savage, Phoenix, Ariz. Carriage-return attachment for type-writing machines. No. 1,259,418; Mar. 12; v. 248; p. 463.
Langworthy, Solon M., Cedar Rapids, Iowa. Automatic vaporizer. No. 1,278,946; Sept. 17; v. 254; p. 493.
Lanham, Colonel W., Joliet, assignor, by mesne assignments, to Brady Wireless Corn Planter Company, Chicago, Ill. Corn-planter. No. 1,253,694; Jan. 15; v. 246; p. 718.
Lanhoffer, Edmond, Poissy, France. Apparatus for molding objects by pressure. No. 1,260,002; Mar. 19; v. 248; p. 663.
Lanich, Arthur S., Baraboo, Wis. Motion-transmitting means. No. 1,255,024; Jan. 29; v. 246; p. 1149.
Lanier, Edward H., Cincinnati, Ohio. Pastry-making apparatus. No. 1,257,497; Feb. 26; v. 247; p. 809.
Lanier, Edward H., Newport, Ky. Combined step-ladder and rack. No. 1,265,922; May 14; v. 250; p. 320.
Lanier, Edward H., and F. K. Driesbach, Cincinnati, Ohio. Pastry molding and baking apparatus. No. 1,257,498; Feb. 26; v. 247; p. 809.
Lanier, Edward H., and F. K. Driesbach, Cincinnati, Ohio. Machine for forming and baking hollow pastry-forms. Reissue. No. 14,534; Oct. 15; v. 255; p. 576.
Lanier, Ivey L., Hickory, N. C. Adding-machine. No. 1,252,704; Jan. 8; v. 246; p. 399.
Lanier, John. (See Young, George H., assignor.)
Lanier, Moultrie S., Rome, Ga. Safety crank-catch for automobiles. No. 1,260,554; Mar. 26; v. 248; p. 855.
Lanigan, John A., Jr., Brooklyn, N. Y. Drawing instrument. No. 1,264,401; Apr. 30; v. 249; p. 1066.
Lanman, Charles S., and W. N. Eschleman, deceased; E. Eschleman, administratrix, Columbus, Ohio. Piercing nut-blanks. No. 1,279,716; Sept. 24; v. 254; p. 726.
Lanning, Charles D., Boston, Mass. Mobile suction-cleaner apparatus. No. 1,267,348; May 21; v. 250; p. 744.
Lanning, Charles D., Boston, Mass., assignor to American Warp Drawing Machine Company. Warp-thread-holding device. No. 1,267,089; May 21; v. 250; p. 673.
Lanning, Charles D., Boston, Mass., assignor to American Warp Drawing Machine Company. Warp-leasing machine. No. 1,267,090; May 21; v. 250; p. 673.
Lanning, James K. (See Cunniff, Edward A. and J. V., assignors.)
Lanning, James K. (See Donovan, John B., assignor.)
Lanning, James K., trustee. (See Truesdell, John P., assignor.)
Lanning, James K., Boston, Mass. Stop-motion for looms. No. 1,253,395; Jan. 15; v. 246; p. 633.
Lanning, James K., Fall River, Mass. Spinning-ring and forming the same. No. 1,265,924; May 14; v. 250; p. 320.
Lanston Monotype Machine Company. (See Bancroft and Hofberg, assignors.)
Lanston Monotype Machine Company. (See Bancroft and Indahl, assignors.)
Lanston Monotype Machine Company. (See Bancroft and Knight, assignors.)
Lanston Monotype Machine Company. (See Elliott, Richard C., assignor.)
Lanston Monotype Machine Company. (See Indahl, Mauritz C., assignor.)
Lanston Monotype Machine Company. (See Knight, Amos L., assignor.)
Lanston Monotype Machine Company. (See Rowell, William L., assignor.)
Lanston Monotype Machine Company. (See Sumner, Ernest E., assignor.)
Lanstrom, Gustaf H., assignor of one-half to H. Englander, New York, N. Y. Sealing means for centrifugal pumps. No. 1,286,356; Dec. 3; v. 257; p. 42.
Lanterman, George D., assignor of one-half to D. Carroll, Columbus, Ohio. Lock for automobile-engines. No. 1,260,919; Mar. 26; v. 248; p. 958.
Lantz, Paul P., Tampa, Kans. Stacking-machine. No. 1,254,414; Jan. 22; v. 246; p. 943.
Lanz, Firm of Heinrich. (See Goeldner, Walter, assignor.)
Lanza, Daniel A., Seymour, Conn. Combination-table. No. 1,264,816; Apr. 30; v. 249; p. 1179.
Lanzetta, Anthony, New York, N. Y. Torpedo and mine deflector. No. 1,267,672; May 28; v. 250; p. 862.
Lanzius Aircraft Company. (See Lanzius, George, assignor.)
Lanzius, George, New York, N. Y., assignor to Lanzius Aircraft Company. Aeroplane. No. 1,289,206; Dec. 31; v. 257; p. 859.
Lapedes, Abraham, New York, N. Y. Sweeper attachment for motor-vehicles. No. 1,268,585; June 4; v. 251; p. 146.
Lapham, Charles C., assignor of one-half to W. S. Lapham, New York, N. Y. Motor-vehicle. No. 1,267,561; May 28; v. 250; p. 830.
Lapham, Walter S. (See Lapham, Charles C., assignor.)
Lapham, W. W. (See Kunzler, John W., assignor.)
Lapoint, Edward, Glens Falls, N. Y. Calipers. No. 1,262,678; Apr. 16; v. 249; p. 534.
Lapointe, Francis J., New London, Conn. Key-seat-broaching machine. No. 1,266,496; May 14; v. 250; p. 476.
Lapone, Joseph, New York, N. Y. Striking mechanism for clocks. No. 1,264,817; Apr. 30; v. 249; p. 1180.
Laporte, Charles, and I. Ornberg, Detroit, Mich., assignors to Hupp Motor Car Corporation, Richmond, Va. Combined oil-pump and ignition-distributer mounting. No. 1,287,351; Dec. 10; v. 257; p. 323.
Lapp, Clemens E., Los Angeles, Cal. Apparatus for refining mineral oils. No. 1,266,281; May 14; v. 250; p. 419.
Lapp, Herbert F., Cleveland, Ohio. Collapsible billiard and pool table. No. 1,269,614; June 18; v. 251; p. 483.
Lapp, John S., assignor to The Locke Insulator Mfg. Co., Victor, N. Y. Strain-clamp for aerial cables. No. 1,269,981; June 11; v. 251; p. 276.
Laraia, Giuseppe C., New York, N. Y. Barber or dental chair. No. 1,255,321; Feb. 5; v. 247; p. 59.
Laraia, Giuseppe C., New York, N. Y. Hydraulic mechanism for raising and lowering the seats of chairs and the like. No. 1,255,322; Feb. 5; v. 247; p. 60.
Laramie, Alphonse W., *et al.* (See Sprague, Edward, Jr., assignor.)
Larcade, Robert D., Muskogee, Okla. Meat-clamp. No. 1,260,688; Mar. 26; v. 248; p. 895.
Larch, Elmer E., and C. C. Brown, Boswell, Ind. Lubricator and reservoir for internal-combustion engines. No. 1,267,424; May 28; v. 250; p. 793.
Lard, Allan E., Washington, D. C., assignor to The Metallic Shaft Company, Wilmington, Del. Golf-club. No. 1,257,084; Feb. 19; v. 247; p. 653.
Lard, George W., Arbuckle, Okla. Folding rocking-chair. No. 1,264,309; Apr. 30; v. 249; p. 1040.
Lard, George W., Arbuckle, Okla. Safety-valve for cans. No. 1,280,250; Oct. 1; v. 255; p. 38.
Larduskey, Albert H., Baltimore, Md. Tire-testing device. No. 1,277,955; Sept. 3; v. 254; p. 170.
Lare, Charles A., Eugene, Oreg. Combined contact and enlarging printer. No. 1,273,881; July 30; v. 252; p. 991.
Larick, Harry C., and S. M. Stough, Frankfort, Ind. Adjustable chain wrench. No. 1,268,129; June 4; v. 251; p. 17.
Larimer, James I., Joliet, Ill. Hot-blast stove. No. 1,265,923; May 14; v. 250; p. 320.
Larimer, James I., Joliet, Ill. Four-pass hot-blast stove. No. 1,278,173; Sept. 10; v. 254; p. 254.
Larimore, John W., Footville, Wis. Water-motor and dam. No. 1,278,174; Sept. 10; v. 254; p. 254.
Larios, Henry F., and A. A. Merrifield, San Francisco, Cal. Can. No. 1,284,716; Nov. 12; v. 256; p. 360.
Larisey, Marshal L., Camilla, Ga. Peanut-shelling machine. No. 1,284,852; Nov. 12; v. 256; p. 395.
Lark, Everard T., New Hanover, Ill. Adjustable window-screen. No. 1,263,329; Apr. 16; v. 249; p. 716.
Larkin Co. (See Morey and Huber, assignors.)
Larkin, Frank M., assignor to H. C. Lyons, New York, N. Y. Liquid-dispenser. No. 1,288,621; Dec. 24; v. 257; p. 694.
Larkin, Jacob W., *et al.* (See Roeder, John, assignor.)
Larkin, Miles J., and F. J. Litel, Tekamah, Nebr. End-gate. No. 1,266,026; May 14; v. 250; p. 348.
Larkin, Patrick T., Great Barrington, Mass. Music-filing cabinet. No. 1,259,419; Mar. 12; v. 248; p. 463.
Larkin, Walter, assignor to H. Brinton Company, Philadelphia, Pa. Stop-motion. No. 1,269,464; June 11; v. 251; p. 408.
Larkin, Walter, assignor to H. Brinton Company, Philadelphia, Pa. Stop-motion. No. 1,288,056; Dec. 17; v. 257; p. 529.
Larnell, Johan H., Kersey, Colo. Shield. No. 1,281,400; Oct. 15; v. 255; p. 414.
Larner, Chester W., Cleveland, Ohio. Taper-plug valve. No. 1,263,778; Apr. 23; v. 249; p. 860.
Larner, Chester W., Cleveland, Ohio, and H. B. Taylor, Philadelphia, Pa. Valve control. No. 1,284,197; Nov. 5; v. 256; p. 201.
Larney, Thomas, Vancouver, British Columbia, Canada. Stone-splitting tool. No. 1,266,282; May 14; v. 250; p. 419.
Laroche, Arthur J. (See Beauchemin and Laroche.)
Larrabee, Albert E., Bristol, Va. Navigating apparatus. No. 1,270,176; June 18; v. 251; p. 635.
Larrabee, Albert R., New York, N. Y. Match-holder. No. 1,254,243; Jan. 22; v. 246; p. 893.
Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Duplex counter. No. 1,263,571; Apr. 23; v. 249; p. 805.
Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Elimination device for time-recorders. No. 1,277,086; Aug. 27; v. 253; p. 854.
Larrabee, Clinton E., Binghamton, N. Y., assignor to International Time Recording Company of New York. Time-card. No. 1,279,717; Sept. 24; v. 254; p. 726.

Alphabetical list of patentees—Continued.

Larraburu, John, assignor to Hygienic Baking Corporation, San Francisco, Cal. Movable floor for bakers' ovens. No. 1,257,007; Feb. 19; v. 247; p. 632.
Larrick, Charles, Los Angeles, Cal. Sound-amplifier for ear-phones. No. 1,260,689; Mar. 26; v. 248; p. 895.
Larrimore, Mabel A., Baltimore, Md. Hook and eye. No. 1,265,681; May 7; v. 250; p. 219.
Larrowe, Arthur M., and A. L. Kline, Canisteo, N. Y. Ice-cream dipper. No. 1,253,057; Jan. 8; v. 246; p. 503.
Larsen, Arnold, assignor to The United Vending Machine Company, Cleveland, Ohio. Automatic weighing-machine. No. 1,278,481; Sept. 10; v. 254; p. 335.
Larsen, Christ, Billings, Mont. Mine-laying device. No. 1,264,818; Apr. 30; v. 249; p. 1180.
Larsen, Hans G. (See Larsen and Holmes.)
Larsen, Hans G. (See Larsen, Holmes, and Larsen.)
Larsen, Hans T., Portland, Oreg. Wrench. No. 1,251,789; Jan. 1; v. 246; p. 104.
Larsen, Henry A., Chicago, and A. C. Roebuck, Park Ridge, assignors to The Enterprise Optical Manufacturing Company, Chicago, Ill. Loop-setter. No. 1,284,371; Nov. 12; v. 256; p. 274.
Larsen Ice Machine Company. (See Ewen, Malcolm F., assignor.)
Larsen Ice Machine Company. (See Ewen and McCurdy, assignors.)
Larsen, Ivert, Chicago, Ill. Button-setting machine. No. 1,282,599; Oct. 22; v. 255; p. 775.
Larsen, Jacob C., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Six-wheel-truck construction for railway-cars. No. 1,253,842; Jan. 15; v. 246; p. 761.
Larsen, James, Green Bay, Wis. Toy hanger. No. 1,265,682; May 7; v. 250; p. 219.
Larsen, Jens M., Brooklyn, N. Y. Pencil attachment for fountain-pens. No. 1,266,283; May 14; v. 250; p. 419.
Larsen, John C., Chicago, Ill. Labeling-machine. No. 1,287,352; Dec. 10; v. 257; p. 323.
Larsen, Julius, Copenhagen, Denmark. Feeding device for pegging-strips in pegging devices. No. 1,284,717; Nov. 12; v. 256; p. 360.
Larsen, Lars C., San Francisco, Cal. Mold for surfacing piles. No. 1,283,222; Oct. 29; v. 255; p. 974.
Larsen, Leonard M., Birnamwood, Wis. Music-leaf turner. No. 1,277,608; Sept. 3; v. 254; p. 77.
Larsen, Louis G., assignor to American Graphophone Company, Bridgeport, Conn. Split mandrel. No. 1,265,793; May 14; v. 250; p. 282.
Larsen, Louis G., assignor to American Graphophone Company, Bridgeport, Conn. Automatic stop for talking-machines. No. 1,283,223; Oct. 29; v. 255; p. 974.
Larsen, Louis B., O. J. Holmes, and H. G. Larsen, Chicago, Ill., assignors to Acme Motion Picture Projector Company. Motion-picture machine. No. 1,286,662; Dec. 3; v. 257; p. 116.
Larsen, Louis B., O. J. Holmes, and H. G. Larsen, Chicago, Ill., assignors to Acme Motion Picture Projector Company. Motion-picture machine. No. 1,287,353; Dec. 10; v. 257; p. 323.
Larsen, Louis B., O. J. Holmes, and H. G. Larsen, Chicago, Ill., assignors to Acme Motion Pictor Projector Company. Motion-picture machine. No. 1,283,224; Oct. 29; v. 255; p. 974.
Larsen, Louis P. (See Kolby, Larsen, and Neilsen.)
Larsen, Olaf. (See Valerius and Larsen.)
Larsen, Oscar, Wells township, Delta county, Mich. Horse. No. 1,286,663; Dec. 3; v. 257; p. 117.
Larsh, Everett P., assignor to The Burnett-Larsh Manufacturing Company, Dayton, Ohio. Lubricating means for pumps and engines. No. 1,259,249; Mar. 12; v. 248; p. 413.
Larson, Albert C., New Cambria, Kans. Covering attachment for drills. No. 1,272,466; July 16; v. 252; p. 540.
Larson, Albert W. (See Carlson and Larson.)
Larson, Anton S., assignor of one-half to C. R. Felt, Ibapah, Utah. Wire-stretcher. No. 1,268,364; June 4; v. 251; p. 84.
Larson, Carl E., Mason City, Iowa. Combination bevel, square, and saw. No. 1,277,433; Sept. 3; v. 254; p. 29.
Larson, Carl W., and G. H. Shapter, Erie, Pa., assignors to General Electric Company. Storage-battery locomotive. No. 1,270,628; June 25; v. 251; p. 785.
Larson, Charles A., Lemont, Ill. Chimney-flue cover. No. 1,266,497; May 14; v. 250; p. 476.
Larson, Clarence L., Kellogg, Idaho, assignor to Bunker Hill & Sullivan Mining & Concentrating Co., San Francisco, Cal. Recovering metals from ores. No. 1,284,910; Nov. 12; v. 256; p. 410.
Larson, David C. (See Lindquist and Larson.)
Larson, David C., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current electromagnet. No. 1,255,441; Feb. 5; v. 247; p. 94.
Larson, David C., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Elevator-controlling apparatus. No. 1,286,358; Dec. 3; v. 257; p. 43.
Larson, Edward E., Thompson, Iowa. Flexible shaft. No. 1,275,051; Aug. 6; v. 253; p. 202.
Larson, Fred W., Dassel, Minn. Door-support. No. 1,286,664; Dec. 3; v. 257; p. 117.
Larson, George H., Aurelia, Iowa. End-gate fastener. No. 1,269,615; June 18; v. 251; p. 483.
Larson, John, and J. A. Tollbom, Seattle, Wash. Light-buoy for attracting fish. No. 1,263,077; Apr. 16; v. 249; p. 648.
Larson, John A., Brooklyn, N. Y. Glass float. No. 1,257,890; Feb. 26; v. 247; p. 925.
Larson, Julius J., Durand, Wis. Wire-stretcher. No. 1,254,415; Jan. 22; v. 246; p. 943.
Larson, Per L., Metuchen, N. J. Detachable bed-seat. No. 1,274,901; Aug. 6; v. 253; p. 159.
Larson, Peter S., Williston, N. D. Frame and body structure for automobiles. No. 1,275,272; Aug. 13; v. 253; p. 287.
Larson, Selmer J., Perley, Minn. Truck. No. 1,288,057; Dec. 17; v. 257; p. 529.
Larson, Severin, Seattle, Wash. Outboard-bearing for automobile-truck jack-shafts. No. 1,281,176; Oct. 8; v. 255; p. 319.
Larson, Simon O., Pipestone, Minn. Attachment for cultivators. No. 1,267,425; May 28; v. 250; p. 793.
Larson, Wilhelm L., East Grand Forks, Minn. Rain-alarm. No. 1,253,986; Jan. 15; v. 246; p. 800.
Larsson, Ivan A. M., Stockholm, Sweden. Bench-vise. No. 1,277,324; Aug. 27; v. 253; p. 915.
Larter, Halsey M., assignor to Larter & Sons, Newark, N. J. Knife. No. 1,274,288; July 30; v. 252; p. 1105.
Larter & Sons. (See Larter, Halsey M., assignor.)
Lasaga, Próspero. (See Velo and Lasaga.)
Lascoff, Jacob L., New York, N. Y. Process and apparatus for filling and sealing small fluid-containers. No. 1,259,879; Mar. 19; v. 248; p. 626.
Lashar, Walter B., Bridgeport, Conn. Plate-welding process and article. No. 1,261,943; Apr. 9; v. 249; p. 300.
Laskawy, Peter. (See Zaremba, Frank, assignor.)
Lasister, Albert M., Independence, Mo. Gardening implement. No. 1,259,530; Mar. 19; v. 248; p. 526.
Lasker, William W., Brooklyn, assignor to Powers Accounting Machine Company, New York, N. Y. Extensible hammer mechanism. No. 1,253,696; Jan. 15; v. 246; p. 719.
Lasker, William W., Brooklyn, assignor to Powers Accounting Machine Company, New York, N. Y. Crank-sector safety-escapement for adding-machines. No. 1,285,252; Nov. 19; v. 256; p. 534.
Lasker, William W., Brooklyn, assignor to Powers Accounting Machine Company, New York, N. Y. Carriage-stop mechanism for perforating-machines. No. 1,287,706; Dec. 17; v. 257; p. 441.
Laskey, William B., Marblehead, Mass. Candy-making machine. No. 1,264,533; Apr. 30; v. 249; p. 1104.
Laskey, William B., Marblehead, Mass. Candy-making machine. No. 1,281,592; Oct. 15; v. 255; p. 464.
Lasko, Henry, New York, N. Y., assignor to Eagle Pencil Company. Clip for fountain-pens. No. 1,284,718; Nov. 12; v. 256; p. 360.
Lassell, John, Pocatello, Idaho. Auxiliary safety propelling means for steam vessels. No. 1,259,753; Mar. 19; v. 248; p. 589.
Lassen, Axel J. L., Frederiksberg, near Copenhagen, Denmark. Machine for making and applying caps on bottles and the like. No. 1,285,745; Nov. 26; v. 256; p. 698.
Lassen, Jens J., and V. F. Hjort, London, England. Apparatus for the softening and purification of water. No. 1,265,346; May 7; v. 250; p. 130.
Lassen, Jens J., and V. F. Hjort, London, England. Outlet or extraction pipe of filters. No. 1,266,132; May 14; v. 250; p. 378.
Lassen la Cour, Jens, Vesterås, Sweden. Double-pole rotary converter. No. 1,263,437; Apr. 23; v. 249; p. 769.
Lassen la Cour, Jens, Christiania, Norway. Dynamo-electric machine. No. 1,284,370; Nov. 12; v. 256; p. 274.
Lassiter, David J., Cressmont, Ky. Rope-clamp. No. 1,258,580; Mar. 5; v. 248; p. 185.
Laszlo, Sandor, and B. Kovacs, New York, N. Y. Anti-slipping device for heels. No. 1,285,746; Nov. 26; v. 256; p. 699.
Latham, Albert, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Skiving-machine. No. 1,266,027; May 14; v. 250; p. 348.
Latham, Albert, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Last. No. 1,280,251; Oct 1; v. 255; p. 38.
Latham, Albert, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Last. No. 1,282,244; Oct. 22; v. 255; p. 680.
Latham Machinery Company. (See Weber, Henry, assignor.)
Latham, Robert L., Minneapolis, Minn. Casement-window. No. 1,263,572; Apr. 23; v. 249; p. 805.
Lathers, Austin. (See La Plant, Peter, assignor.)
Lathrop, Edward K., Springfield, Mass. Garment-fastener. No. 1,278,689; Sept. 10; v. 254; p. 394.
Lathrop, Harry D., and W. H. Paulson, Chicago, Ill. Can-discharging mechanism for can-washing machines. No. 1,252,453; Jan. 8; v. 246; p. 326.

Lathrop, Harry D., and W. H. Paulson, Chicago, Ill.; said Paulson assignor to said Lathrop. Can-washing machine. No. 1,255,896; Feb. 12; v. 247; p. 267.
Lathrop, Harry D., and W. H. Paulson, Chicago, Ill.; said Paulson assignor to said Lathrop. Cover-applying mechanism for can-washing machines. No. 1,262,679; Apr. 16; v. 249; p. 534.
Lathrop, Harry D., and W. H. Paulson, Chicago, Ill.; said Paulson assignor to said Lathrop. Milk-can-cleaning machine. No. 1,289,824; Dec. 31; v. 257; p. 1013.
Latimer, Charles L., Fort Wadsworth, N. Y. Valve-grinder. No. 1,279,370; Sept. 17; v. 254; p. 607.
Latimer, George M., Watsonville, Cal. Burner. No. 1,257,891; Feb. 26; v. 247; p. 925.
Latimer, Roy S., Troy, N. Y. Neckband. No. 1,284,719; Nov. 12; v. 256; p. 360.
Latimer, William G. (See Jorgensen and Latimer.)
Latour, Marius C. A., and J. Bethenod, Paris, France. Machine for transforming the frequency of currents. No. 1,271,915; July 9; v. 252; p. 357.
Latshaw, Fred F., Allegan, Mich. Reverse-gear. No. 1,260,780; Mar. 26; v. 248; p. 922.
Latshaw, Joseph W. (See Baines and Latshaw.)
Latta, Emmit G., Syracuse, N. Y. Type-writing machine. No. 1,253,258; Jan. 15; v. 246; p. 591.
Latta, Emmit G. Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,261,823; Apr. 9; v. 249; p. 268.
Latta, Emmit G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,264,945; May 7; v. 250; p. 20.
Latta, Emmit G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Ribbon mechanism. (Reissue. No. 14,491; July 2; v. 252; p. 218.
Latta, Emmit G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. (Reissue.) No. 14,495; July 23; v. 252; p. 931.
Latta, Emmit G., Syracuse, N. Y. Type-writing machine. No. 1,273,882; July 30; v. 252; p. 992.
Latta, Emmit G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,274,565; Aug. 6; v. 253; p. 64.
Latta, Emmit G., Syracuse, N. Y., assignor to Corono Typewriter Company, Inc. Type-writing machine. No. 1,274,566; Aug. 6; v. 253; p. 65.
Latta, Emmit G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,274,567; Aug. 6; v. 253; p. 65.
Latta, Emmit G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,274,902; Aug. 6; v. 253; p. 160.
Latta, Emmit G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,278,947; Sept. 17; v. 254; p. 493.
Latta, Milton N., Valentine, Nebr. Road-making machine. No. 1,269,098; June 11; v. 251; p. 308.
Latta, Milton N., Valentine, Nebr. Reversible hydraulic well-digging machine. No. 1,274,903; Aug. 6; v. 253; p. 160.
Lattau, Arthur, New York, N. Y. Automatic photographing apparatus. No. 1,280,252; Oct. 1; v. 255; p. 38.
Lattig, Jacob W., Glenside, Pa., and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,251,543; Jan. 1; v. 246; p. 29.
Lattig, Jacob W., Glenside, Pa., and C. L. Goodrum, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Metering system for automatic telephone-exchanges. No. 1,264,402; Apr. 30; v. 249; p. 1067.
Latz, Sylvan, *et al.* (See Paulsen, Thomas R., assignor.)
Lau, Harry M., *et al.* (See Bauman, Frank J., assignor.)
Laub, Anthony M., Cresco, Iowa. Washing apparatus. No. 1,254,815; Jan. 29; v. 246; p. 1090.
Laubach, Franz H., Oak Park, assignor to Lyon & Healy, Chicago, Ill. Piano-playing mechanism. No. 1,279,371; Sept. 17; v. 254; p. 607.
Laube, John, Deer Island, Oreg. Protective tread-covering for automobile-tires. No. 1,273,792; July 23; v. 252; p. 928.
Lauen, John B., Mountain Park, Okla. Fly-trap. No. 1,289,825; Dec. 31; v. 257; p. 1013.
Lauer, Benjamin C., Germantown, Pa. Window-screen. No. 1,255,025; Jan. 29; v. 246; p. 1150.
Lauer, Carl H., assignor of one-half to C. H. Blades, New York, N. Y. Display-stand. No. 1,261,138; Apr. 2; v. 249; p. 41.
Lauer, Walter D., Chicago, Ill. Tire-vulcanizer. No. 1,271,589; July 9; v. 252; p. 267.
Lauerman, John D., Lake Hopatcong, N. J. Parting-strip for windows. No. 1,288,623; Dec. 24; v. 257; p. 694.
Lauesen, Hans, Wisdom, Mont. Self-steering bomb. No. 1,277,225; Aug. 27; v. 253; p. 891.
Laughlin, Frank D. (See Hayes and Laughlin.)
Laughlin, Homer, Jr., and C. A. F. Ducorron, assignors to Homer Laughlin Engineers Corporation, Los Angeles, Cal. Spring suspension. No. 1,277,087; Aug. 27; v. 253; p. 854.
Laughray, Daisy. (See Ferguson, Raymond M., assignor.)
Laukandt, Bernard F., Red Wing, Minn. Harmonica. No. 1,285,747; Nov. 26; v. 256; p. 699.
Laun, Henry W., Chicago, Ill. Valve-controlling mechanism for fluids. No. 1,283,818; Nov. 5; v. 256; p. 100.
Laur, Francis, Paris, France. Vehicle for use in high-speed locomotion. No. 1,288,930; Dec. 24; v. 257; p. 768.
Laureau, Charles L., Paris, France. Tool post or holder for metal-working machines, such as lathes, planing-machines, shaping-machines, and the like. No. 1,259,531; Mar. 19; v. 248; p. 526.
Laurence, George F., Waterloo, N. Y. Fritter-forming machine. No. 1,288,622; Dec. 24; v. 257; p.694.
Laurent, Louis C., Denver, Colo. Automobile license-plate and illuminating means therefor. No. 1,260,214; Mar. 19; v. 248; p. 721.
Laurent, Louis C., Denver, Colo. Temporary binder. No. 1,271,484; July 2; v. 252; p. 203.
Laureti, Ercole, New York, N. Y. Cigarette case and lighter. No. 1,282,882; Oct. 29; v. 255; p. 882.
Laurin, Nils O. (See Willers and Laurin.)
Lauritzen, Albert, Charlotte, Mich. Potato-digger. No. 1,261,139; Apr. 2; v. 249; p. 42.
Lauritzen, John C., Akron, Ohio. Vulcanizer. No. 1,256,704; Feb. 19; v. 247; p. 542.
Laursen, Laurits A., Cornell, assignor to United States Auto Gear Shift Company, Eau Claire, Wis. Fluid-operated gear-shifting mechanism. No. 1,280,770; Oct. 8; v. 255; p. 208.
Laursen, Laust K., San Antonio, Tex. Sanitary cooking-table. No. 1,263,683; Apr. 23; v. 249; p. 835.
Lautenschlager, William F., Cincinnati, Ohio, assignor to Lorenz Muther, Newton, Mass. Folding-machine. No. 1,255,540; Feb. 5; v. 247; p. 124.
Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Folding-machine. No. 1,257,892; Feb. 26; v. 247; p. 925.
Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Pressing device. No. 1,259,880; Mar. 19; v. 248; p. 626.
Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Knotted stitch and making the same. No. 1,284,911; Nov. 12; v. 256; p. 410.
Lauter Company. (See Lynde, Frank G., assignor.)
Lauter, Sigmund M., Brooklyn, N. Y. Casting-machine for dental work. No. 1,255,541; Feb. 5; v. 247; p. 124.
Laux, Andrew J., Swanton, Ohio. Incubator. No. 1,282,440; Oct. 22; v. 255; p. 733.
Lauzon, Arthur, Biddeford, Me., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism. No. 1,261,563; Apr. 2; v. 249; p. 163.
Lavalle, Peter J. (See Parr, George T., assignor.)
Lavalle, Peter J. (See Ulrich, William C., assignor.)
Lavanchy, Gustave, Neuchâtel, Switzerland. Toy building element. No. 1,271,180; July 2; v. 252; p. 121.
Lavarack, Frederick C., Orange, N. J. Means for bonding rails. No. 1,267,673; May 28; v. 250; p. 862.
Lavelle, Patrick, Johnstown, Pa. Vehicle-tire. No. 1,257,366; Feb. 26; v. 247; p. 769.
Lavender, Robert S., Baltimore, Md. Door-fastener. No. 1,280,048; Sept. 24; v. 254; p. 820.
Laverdiere, Aristide, Gilbertville, Mass. Loom-shuttle. No. 1,276,084; Aug. 20; v. 253; p. 543.
Lavers, Henry. (See Faul and Lavers.)
Lavery, John N., Titusville, Pa. Reversing mechanism. No. 1,257,253; Feb. 19; v. 247; p. 702.
Lavezzi, Samuel J., assignor of one-half to I. C. Lambert, Chicago, Ill. Spring fabric. No. 1,288,931; Dec. 24; v 257; p. 768.
Lavietes, Borres, Los Angeles, Cal. Wheel-tire. No. 1,278,482; Sept. 10; v. 254; p. 335.
Lavign, Benjamin J., New York, N. Y. Garment. No. 1,287,354; Dec. 10; v. 257; p. 324.
Lavin, John J., assignor of one-half to M. F. Couillard, Milwaukee, Wis. Wrapper. No. 1,264,819; Apr. 30; v. 249; p. 1180.
Lavin, Thomas J., *et al.* (See Myers, Charles E., assignor.)
Lavryk, Feodosy, Chicago, Ill. Combined lock and alarm. No. 1,282,089; Oct. 22; v. 255; p. 637.
Law, Channing E. and L. C., Denver, Col. Electric switch. No. 1,277,609; Sept. 3; v. 254; p. 77.
Law, Lorenzo C. (See Law, Channing E. and L. C.)
Law, Wilson, and R. C. Manton, assignors to H. E. Keating, Birmingham, England. Boot-heel protector. No. 1,277,610; Sept. 3; v. 254; p. 77.
Lawford, Thomas C., Croydon, Victoria, Australia. Detachable share for the teeth of cultivator and scarifier implements. No. 1,255,442; Feb. 5; v. 247; p. 94.
Lawhorn, John W., Maryville, Tenn. Hub. No. 1,268,023; May 28; v. 250; p. 961.
Lawler, Edward C. (See Nikolow, George, assignor.)
Lawler, James J., New York, N. Y. Graduating bath-valve. No. 1,280,616; Oct. 1; v. 255; p. 139.
Lawlor, Emery L., Youngstown, Ohio. Revolving flag-holder. No. 1,251,897; Jan. 1; v. 246; p. 136.
Lawlor, James M., Topeka, Kans. Ticket and hat clip. No. 1,266,962; May 21; v. 250; p. 636.
Lawlor, Simeon C., Chicago, Ill. Mopping appliance. No. 1,251,974; Jan. 1; v. 246; p. 157.
Lawlor, Simeon C., Chicago, Ill. Container-support. No. 1,282,600; Oct. 22; v. 255; p. 776.

Lawlor, William T., Jersey City, N. J. Attachment for railway-switches. No. 1,281,797; Oct. 15; v. 255; p. 518.
Lawn, William E., and J. A. Ryan, assignors to Automatic Railroad Appliances Co. Inc., Rochester, N. Y. Automatic stop mechanism for cars. No. 1,263,438; Apr. 23; v. 249; p. 769.
Lawrence, Albert L. (See Cook, Ernest H., assignor.)
Lawrence, Edward E., Cambridge, Mass., assignor to Loose-Wiles Biscuit Company, Kansas City, Mo. Filled-wafer cutter. No. 1,260,555; Mar. 26; v. 248; p. 855.
Lawrence, Edward H., Cameron, W. Va. Inlet-valve. No. 1,287,355; Dec. 10; v. 257; p. 324.
Lawrence, Edward V., New York, N. Y. Vehicle safety-brake mechanism. No. 1,271,916; July 9; v. 252; p. 357.
Lawrence, Frederick K., Chicago, Ill. Demountable-rim wrench. No. 1,275,707; Aug. 13; v. 253; p. 406.
Lawrence, John, New York, N. Y. Strainer. No. 1,262,680; Apr. 16; v. 249; p. 534.
Lawrence, Leo W., Winston-Salem, N. C., assignor to Standard Tobacco Stemmer Company, New York, N. Y. Tobacco-stemming machine. No. 1,267,776; May 28; v. 250; p. 891.
Lawrence, William C., Indianapolis, Ind. Polishing composition. No. 1,267,236; May 21; v. 250; p. 715.
Lawrenz, Emil, Detroit, Mich. Scribing instrument. No. 1,284,372; Nov. 12; v. 256; p. 275.
Lawrie, James W., Milwaukee, Wis., assignor, by mesne assignments, to William F. Jobbins, Incorporated, Aurora, Ill. Utilizing aluminum skimmings and analogous materials. No. 1,262,062; Apr. 9; v. 249; p. 331.
Lawrie, James W., assignor to William F. Jobbins, Incorporated, Aurora, Ill. Treating aluminum skimmings, screenings, &c. No. 1,262,063; Apr. 9; v. 249; p. 331.
Lawrie, Lanier, Reynolds, Ind. Can-opener. No. 1,278,690; Sept. 10; v. 254; p. 394.
Laws, Frank A., Salem, and C. L. Dawes, Cambridge, assignors to Simplex Wire Cable Company, Boston, Mass. Voltmeter. No. 1,260,982; Mar. 26; v. 248; p. 975.
Lawson, Alfred W., Green Bay, Wis. Pedal. No. 1,284,115; Nov. 5; v. 256; p. 180.
Lawson, Alfred W., Green Bay, Wis. Pedal. No. 1,287,356; Dec. 10; v. 257; p. 324.
Lawson, Arthur J., Chicago, Ill. Border-light. No. 1,284,912; Nov. 12; v. 256; p. 410.
Lawson, Charles S., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. High-reactance core-type transformer. No. 1,275,946; Aug. 13; v. 253; p. 473.
Lawson, Clyde H., Avoca, Mich. Hay and stock rack iron. No. 1,267,777; May 28; v. 250; p. 891.
Lawson, Frans O. (See Wright and Lawson.)
Lawson, Harry. (See Howard and Lawson.)
Lawson Manufacturing Company. (See Parisen, Robert T., assignor.)
Lawson, Oscar L., and J. H. Reed, Lynn, Mass. Looper mechanism for leather-sewing machines. No. 1,252,352; Jan. 1; v. 246; p. 262.
Lawton, Burton L., assignor to Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Head receiver set. No. 1,289,826; Dec. 31; v. 257; p. 1013.
Lawton, Charles T., *et al.* (See Byrne, David, assignor.)
Lawton, Hugh M., Bellevue, Ky., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time-recorder. No. 1,253,185; Jan. 8; v. 246; p. 540.
Lawton, Jason L., Buffalo, N. Y. Egg-beater. No. 1,268,586; June 4; v. 251; p. 146.
Lawton, Ledra M., North Collins, N. Y. Automatic violin-player. No. 1,266,028; May 14; v. 250; p. 348.
Lawton, Peter S., New Orleans, La. Riverside siltless basin. No. 1,275,273; Aug. 13; v. 253; p. 287.
Lawton, Samuel, Burlington, Vt. Blanket-measure. No. 1,281,178; Oct. 8; v. 255; p. 320.
Lawton, William J., Genoa Junction, Wis. Lining for brake-bands. No. 1,270,959; July 2; v. 252; p. 59.
Lawyer, William S., Woodland, Wash. Bracket for vehicle-springs. No. 1,264,662; Apr. 30; v. 249; p. 1140.
Lay, Charles G. (See Baird and Lay.)
Lay, Claud, Sealy, Tex. Acetylene-gas generator. No. 1,286,665; Dec. 3; v. 257; p. 117.
Lay, Samuel C., Ridgeville, Ind., and F. M. Baker, Detroit, Mich., assignors to The Joseph Lay Company, Ridgeville, Ind. Broom-stapling machine. No. 1,275,052; Aug. 6; v. 253; p. 202.
Lay, Samuel C., Ridgeville, Ind., and F. M. Baker, Detroit, Mich.; said Baker assignor to The Joseph Lay Company, Ridgeville, Ind. Broom-stapling machine. No. 1,279,885; Sept. 24; v. 254; p. 776.
Lay, William C., Nacogdoches, Tex. Brush. No. 1,268,734; June 4; v. 251; p. 188.
Lay, William, Kulm, N. D. Ink-bottle. No. 1,265,683; May 7; v. 250; p. 220.
Laybourn, Charles E., Kansas City, Mo. Overshoe. No. 1,258,024; Mar. 5; v. 248; p. 23.
Laycock, Arthur M., Kingston, Pa., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing and making the same. No. 1,262,681; Apr. 16; v. 249; p. 535.
Laycock, Arthur M., Kingston, Pa. Roller-bearing. No. 1,263,573; Apr. 23; v. 249; p. 805.
Laycock, Arthur M., Kingston, Pa. Spring. No. 1,278,948; Sept. 17; v. 254; p. 493.
Laycock, Arthur M., Kingston, Pa., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing. No. 1,280,620; Oct. 1; v. 255; p. 140.
Laycock, Arthur M., Kingston, Pa. Brake mechanism. No. 1,282,245; Oct. 22; v. 255; p. 680.
Laycock, Arthur M., Kingston, Pa. Roller-bearing. No 1,289,827; Dec. 31; v. 257; p. 1013.
Layman, Florence P. (See Layman, Hiram D., assignor.)
Layman, Frank E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Automatic weighing device. No. 1,260,556; Mar. 26; v. 248; p. 856.
Layman, Hebron B., assignor of one-fourth to F. E. Lonas, New York, N. Y. Drive-chain end gear. No. 1,259,027; Mar. 12; v. 248; p. 353.
Layman, Hebron B., assignor of one-fourth to F. E. Lonas, New York, N. Y. Chain. No. 1,259,028; Mar. 12; v. 248; p. 353.
Layman, Hebron B., assignor to The Layman Pressed Rod Company, Inc., New York, N. Y. Connecting-rod. No. 1,260,557; Mar. 26; v. 248; p. 856.
Layman, Hebron B., assignor of one-fourth to F. E. Lonas, New York, N. Y. Chain. No. 1,268,254; June 4; v. 251; p. 52.
Layman, Hebron B., assignor to The Layman Pressed Rod Co., Inc., New York, N. Y. Making connecting-rods. (Reissue.) No. 14,580; Dec. 31; v. 257; p. 1062.
Layman, Hiram D., assignor of one-half to F. P. Layman, Portage, Pa. Radiator. No. 1,251,898; Jan. 1; v. 246; p. 136.
Layman Pressed Rod Co., The. (See Layman, Hebron B., assignor.) (Reissue.)
Layman, William, assignor of one-fifth to F. Falk and two-fifths to A. Berger, West Fort William, Ontario, Canada. Grain-car door and locking mechanism therefor. No. 1,262,064; Apr. 9; v. 249; p. 332.
Layne & Bowler Corporation. (See Wintroath, John A., assignor.)
Layne, John L. (See Royal, James V., assignor.)
Layne, Mahlon E., Houston, Tex. Pump mechanism. No. 1,272,681; July 16; v. 252; p. 602.
Layne, Mahlon E., Houston, Tex. Well-screen. No. 1,273,236; July 23; v. 252; p. 781.
Layne, Mahlon E., Memphis, Tenn. Collecting and pumping water. No. 1,286,666; Dec. 3; v. 257; p. 117.
Layne, Mahlon E., Houston, Tex. Well-boring rod. No. 1,266,831; May 21; v. 250; p. 601.
Layne, Ollyn A., Los Angeles, Cal. Separator for wells. No. 1,268,366; June 4; v. 251; p. 84.
Layton, Churchill G., Albany, Oreg. Trap. No. 1,257,254; Feb. 19; v. 247; p. 703.
Layton, John M., and H. G. Haworth, assignors of two-thirds to B. F. Samuels, Leavenworth, Kans., and one-third to said Haworth. Resilient stairway-climbing vehicle. No. 1,261,944; Apr. 9; v. 249; p. 300.
Layton, William, Sea Girt, N. J. Resilient wheel. No. 1,269,465; June 11; v. 251; p. 409.
Lazar, William T., San Francisco, Cal. Interleaved paper-towel package. No. 1,256,334; Feb. 12; v. 247; p. 398.
Lazarides, Platon, New York, N. Y. Tool-holder. No. 1,252,705; Jan. 8; v. 246; p. 399.
Lazarides, Platon, New York, N. Y. Lock. No. 1,273,883; July 30; v. 252; p. 992.
Lazarides, Platon, New York, N. Y. Aeroplane. No. 1,284,373; Nov. 12; v. 256; p. 275.
Lazarus, Peter L. (See Winegarden, Arey V., assignor.)
Lazarus, Sam, *et al.* (See Keane, John J., assignor.)
Lazarus, Samuel, Cleveland, Ohio. Engine-trouble detector. No. 1,254,416; Jan. 22; v. 246; p. 943.
Lazowski, John, Newark, N. J. Ship-protector. No. 1,280,771; Oct. 8; v. 255; p. 209.
Le Baron, John F., Essex, Mass. Berry-picker. No. 1,278,175; Sept. 10; v. 254; p. 254.
Le Beau, Fernando J., assignor of one-half to F. Lundin, Chicago, Ill. Emergency lift-latch. No. 1,252,454; Jan. 8; v. 246; p. 326.
Le Beau, Fernando J., assignor of one-half to F. Lundin, Chicago, Ill. Emergency-lock. No. 1,254,194; Jan. 22; v. 246; p. 880.
Le Beau, Olivier, Montreal, Quebec, Canada. Lock for demountable rims. No. 1,287,708; Dec. 17; v. 257; p. 442.
Le Blanc, Alexis, New York, N. Y., assignor to Gurney Electric Elevator Company, Honesdale, Pa. Elevator signal system. No. 1,254,331; Jan. 22; v. 246; p. 919.
Le Bozec, Leon, Bécon-les-Bruyères, France. Automatic valve. No. 1,269,616; June 18; v. 251; p. 483.
Le Bozec, Léon, Bécon-les-Bruyères, France. Oil or petrol tank and oil or petrol feed apparatus. No. 1,283,228; Oct. 29; v. 255; p. 976.
Le Bron, Leo T., Jr., Galena, Ill. Telescope. No. 1,280,049; Sept. 24; v. 254; p. 820.
Le Butt, Edwin L. (See Crowell, Clarence E., assignor.)
Le Cato, John A., assignor to Standard Pneumatic Action Co., New York, N. Y. Tracking device. No. 1,260,004; Mar. 19; v. 248; p. 664.
Le Clair, Archill J., Haverhill, Mass. Welt-innersole. No. 1,264,663; Apr. 30; v. 249; p. 1140.

Le Clair, Frank J., Attleboro, assignor to Freeman-Daughaday Co., Chartley, Mass. Collar-holder. No. 1,288,624; Dec. 24; v. 257; p. 694.
Le Clair, George E., Flint, Mich. Folding bed. No. 1,257,499; Feb. 26; v. 247; p. 810.
Le Clair, Joseph R., assignor of one-half to F. A. Perry, Wyandotte, Mich. Window-cleaning device. No. 1,270,629; June 25; v. 251; p. 786.
Le Compte, Leon G., assignor of one-half to A. J. Knoblock, McKittrick, Cal. Liquid-level gage. No. 1,278,949; Sept. 17; v. 254; p. 493.
Le Cour, John E., Winthrop, Mass. Adjustable pool rail and pocket. No. 1,255,542; Feb. 5; v. 247; p. 125.
Le Cras, Thomas J., Toronto, Ontario, Canada. Antislip device for crutch-tips. No. 1,276,231; Aug. 20; v. 253; p. 584.
Le Doux, Hector. (See Hutchins and Le Doux.)
Le Duc, John J., Mankato, Minn. Incubator. No. 1,267,426; May 28; v. 250; p. 793.
Le Duc, Nancy B., Pasadena, Cal. Flag-display device. No. 1,288,060; Dec. 17; v. 257; p. 530.
Le Febure Ledger Company. (See Hruska, Frank, assignor.)
Le Fever, Earle A., Buffalo, N. Y. Meter cut-out and testing device. No. 1,254,707; Jan. 29; v. 246; p. 1056.
Le Fevre, George A., assignor of one-half to W. C. Halleck, New York, N. Y. Railway-tie. No. 1,253,610; Jan. 15; v. 246; p. 694.
Le Laurin, Eugene M., San Antonio, Tex. Collapsible foot-rest. No. 1,287,360; Dec. 10; v. 257; p. 325.
Le Maire, Joseph W., and H. L. Williams, New York, N. Y. Priming device. No. 1,282,015; Oct. 15; v. 255; p. 575.
Le Messurier Franklin C. (See Armstrong and Le Messurier.)
Le Mond, Robert, Plainfield, N. J. Ash-sifter. No. 1,288,062; Dec. 17; v. 257; p. 530.
Le Pierre, Auguste M., Korbel, Cal. Wrench. No. 1,286,668; Dec. 3; v. 257; p. 118.
Le Pontois, Leon J., Lakewood, assignor, by mesne assignments, to The Teagle Company, Cleveland, Ohio. Combined ignition and lighting generator. No. 1,276,085; Aug. 20; v. 253; p. 543.
Le Roy, Bernard R., Zanesville, Ohio. Cuspidor-handling device. No. 1,282,246; Oct. 22; v. 255; p. 681.
Le Roy, Jean A., New York, N. Y. Automatic film-valve. No. 1,277,958; Sept. 3; v. 254; p. 171.
Le Sueur, Ernest A., Ottawa, Ontario, Canada. Preparing ammonium perchlorate. No. 1,284,380; Nov. 12; v. 256; p. 277.
Le Vie, Wilfred J., Los Angeles, Cal. Advertising device. No. 1,280,051; Sept. 24; v. 254; p. 821.
Lea, Aaron V., Bisbee, Ariz. Drill-bit puller. No. 1,262,960; Apr. 16; v. 249; p. 614.
Lea, Charles. (See Hathaway and Lea.)
Lea, Charles, Dorchester, Mass. Bearing-support for tube-frame spools. No. 1,255,443; Feb. 5; v. 247; p. 94.
Lea, Frank D., assignor of one-half to F. M. Buck, Los Angeles, Cal. Matrix for line-casting machines. No. 1,275,947; Aug. 13; v. 253; p. 474.
Lea, Garnet, Toronto, Ontario, Canada. High chair. No. 1,283,225; Oct. 29; v. 255; p. 975.
Lea, Hugh L., Chattanooga, Tenn. Railway-tie and fastener. No. 1,284,720; Nov. 12; v. 256; p. 361.
Lea, William C., Los Angeles, Cal. Casement-adjuster. No. 1,289,828; Dec. 31; v. 257; p. 1013.
Leach, David H., Sacramento, Cal. Folding garment-support. No. 1,259,532; Mar. 19; v. 248; p. 527.
Leach, Edward, Rathmel, Pa. Electric switch for mines. No. 1,257,255; Feb. 19; v. 247; p. 703.
Leach, Frank P., Goldengate, Ill. Dredge-tractor. No. 1,289,207; Dec. 31; v. 257; p. 860.
Leach, George W., assignor of one-half to O. W. Kidd, Stonington, Ill. Grain-shocker. No. 1,282,883; Oct. 29; v. 255; p. 882.
Leach, Harry A., Providence, R. I. Sled. No. 1,260,920; Mar. 26; v. 248; p. 958.
Leach, Horace J., Mount Carmel, Ill. Sewing-cabinet. No. 1,277,956; Sept. 3; v. 254; p. 171.
Leach, James M. (See Brewster, Charles W., assignor.)
Leach, John T., Rochester, N. Y. Feeding mechanism for saw-tables. No. 1,265,215; May 7; v. 250; p. 95.
Leach, Mary J., Norwich, Conn. Needle-holder. No. 1,262,523; Apr. 9; v. 249; p. 460.
Leach, Robert W., Kansas City, Mo. Focusing-hood for cameras. No. 1,263,684; Apr. 23; v. 249; p. 835.
Leach, William W., assignor of one-half to A. I. Davey, Mansfield, Ohio. Polisher. No. 1,253,697; Jan. 15; v. 246; p. 720.
Leach, William W., assignor of one-half to A. I. Davey, Mansfield, Ohio. Fore-plate carriage. No. 1,265,458; May 7; v. 250; p. 161.
Leadbeater, Frederick, Detroit, Mich. Counterbalance for tractors. No. 1,277,434; Sept. 3; v. 254; p. 29.
Leahey, Thomas J., St. John, New Brunswick, Canada. Rail-joint. No. 1,259,533; Mar. 19; v. 248; p. 527.
Leake, G. D. (See Myers, Melvin A., assignor.)
Leake Motor Fuel Economy Company. (See Kinney, Herman B., assignor.)
Leake, Richard C., Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y. Circuit-controller. No. 1,283,226; Oct. 29; v. 255; p. 975.
Leake, Thomas S. (See Miller and Leake.)
Leake, Walter C., Wilburton, Kans. Pipe-puller. No. 1,259,640; Mar. 19; v. 248; p. 556.
Leal, Jesse G., Bakersfield, Cal. Aerial bomb. No. 1,289,483; Dec. 31; v. 257; p. 929.
Leanhart, Jacob F., Louisville, Ky. Automatic flushing apparatus for water-closets and urinals. No. 1,289,829; Dec. 31; v. 257; p. 1014.
Leao, Francisco G. P., Glasgow, Scotland. Coffee-roaster. No. 1,279,557; Sept. 24; v. 254; p. 680.
Leap, Harry. (See Howard, William D. M., assignor.)
Leary, Dennis F., Chelsea, Mass. Muffler. No. 1,276,935; Aug. 27; v. 253; p. 813.
Leary, James W., Allendale, N. J., assignor to Automatic Packing & Labeling Company, Durham, N. C. Feeding and weighing mechanism. No. 1,283,227; Oct. 29; v. 255; p. 975.
Leary, James W., Richmond Hill, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Package-inserting device for packing-machines. No. 1,287,357; Dec. 10; v. 257; p. 325.
Leary, James W., Richmond Hill, assignor to American Machine & Foundry Company, New York, N. Y. Expanding pulley. No. 1,287,707; Dec. 17; v. 257; p. 442.
Leary, John H., Jr. (See Wright and Leary.)
Leathem, James, Lebanon, Pa., assignor to Herrmann Aukam & Co., New York, N. Y. Tension device for sewing-machine bobbins. No. 1,255,183; Feb. 5; v. 247; p. 20.
Leathem, James, Lebanon, Pa., assignor to Herrmann Aukam & Co., New York, N. Y. Bobbin case and hook for sewing-machines. No. 1,255,184; Feb. 5; v. 247; p. 21.
Leaver, James M., Jr., Oakland, Cal. Automatic bundling-machine. No. 1,260,003; Mar. 19; v. 248; p. 664.
Leaver, William H., assignor of one-half to M. H. Force, Chicago, Ill. Door-stop. No. 1,282,884; Oct. 29; v. 255; p. 882.
Leavitt, John E., Boston, Mass. Quarters for low shoes. No. 1,266,498; May 14; v. 250; p. 476.
Leavitt, John E., Boston, Mass. Means of exchange. No. 1,268,476; June 4; v. 251; p. 116.
Lebert, Albert J., Hazel, S. D. Grain-binder attachment. No. 1,252,908; Jan. 8; v. 246; p. 456.
Leblanc, Maurice, Croissy, France, assignor to Westinghouse Electric & Manufacturing Company. Apparatus for the removal of coal-ash. No. 1,254,244; Jan. 22; v. 246; p. 894.
Leblanc, Maurice, Val-sur-Seine, Croissy, France, assignor to Societe Anonyme Pour L'Exploitation Des Procedes Westinghouse-Leblanc, Paris, France. Surface and jet condenser. No. 1,261,409; Apr. 2; v. 249; p. 119.
Leblanc, Maurice, Val-sur-Seine, Croissy, France, assignor to Societe Anonyme Pour L'Exploitation Des Procedes Westinghouse-Leblanc, Paris, France. Condensing apparatus. No. 1,288,058; Dec. 17; v. 257; p. 530.
Leblond, Napoleon, Quebec, Quebec, Canada. Combination beam-level and inclination-indicator or inclinometer. No. 1,257,256; Feb. 19; v. 247; p. 703.
Lebovici, Justin, Oakley, Ohio, assignor to The Triumph Electric Company. Induction-motor. No. 1,256,705; Feb. 19; v. 247; p. 542.
Lebovici, Justin, Oakley, Ohio, assignor to The Triumph Electric Company. Induction-motor. No. 1,263,078; Apr. 16; v. 249; p. 649.
Lebovit, Rudolph. (See Quinn and Lebovit.)
Lebovitz, Benjamin. (See Herbert, Harry, assignor.)
Leckey, Alexander, Camden, N. J. Calendar. No. 1,266,499; May 14; v. 250; p. 477.
Leclaire, Alfred, Maisonneuve, Quebec, Canada. Napkin and towel holder. No. 1,270,036; June 18; v. 251; p. 597.
Lecocq, Eugène, Brussels, Belgium. Regenerator coke-oven. No. 1,265,684; May 7; v. 250; p. 220.
Ledbetter, Thomas F., Columbus, Ga. Four-wheel drive mechanism for motor-vehicles. No. 1,258,126; Mar. 5; v. 248; p. 52.
Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Manufacture of wires from refractory materials. No. 1,273,506; July 23; v. 252; p. 853.
Lederer, Charles, Sr., Pierce, Nebr. Lawn-mower attachment. No. 1,270,177; June 18; v. 251; p. 635.
Lederer, Herbert H., Cleveland, Ohio. Cuff. No. 1,287,054; Dec. 10; v. 257; p. 248.
Lederer, Irving R., Providence, R. I. Safety-clasp for bracelets. No. 1,258,919; Mar. 12; v. 248; p. 320.
Lederer, Irving R., Providence, R. I. Garment-holder. No. 1,288,059; Dec. 17; v. 257; p. 530.
Lederer, Sigmund L., and G. U. Meyer, assignors to Providence Stock Company, Providence, R. I. Buckle. No. 1,276,232; Aug. 20; v. 253; p. 584.
Ledig, Jacob, Jamaica Plain, assignor to Gray & Davis Inc., Cambridge, Mass. Storage-battery support. No. 1,252,706; Jan. 8; v. 246; p. 400.
Ledig, Karl K., assignor of one-half to O. A. Ledig, Newark, N. J. Smoking-pipe attachment. No. 1,274,904; Aug. 6; v. 253; p. 160.
Ledig, Otto A. (See Ledig, Karl K., assignor.)
Ledig, Richard G., Philadelphia, Pa. Pedal for velocipedes, bicycles, &c. No. 1,254,610; Jan. 22; v. 246; p. 999.

Ledig, Richard G., Philadelphia, Pa. Therapeutic lamp. No. 1,255,839; Feb. 5; v. 247; p. 210.
Ledig, Richard G., Philadelphia, Pa., assignor to Majestic Electric Development Co. Electric radiator. No. 1,255,840; Feb. 5; v. 247; p. 210.
Ledig, Richard G., Philadelphia, Pa. Seat for tricycles or like vehicles. No. 1,262,524; Apr. 9; v. 249; p. 461.
Ledig, Richard G. and R. C., assignors to A. Mecky Company, Philadelphia, Pa. Electro heating and lighting apparatus. No. 1,288,932; Dec. 24; v. 257; p. 768.
Ledig, Robert C. (See Ledig, Richard G. and R. C.)
Ledoux, John W., Swarthmore, Pa. Fluid-meter. No. 1,268,130; June 4; v. 251; p. 18.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rib for automobile-bodies. No. 1,251,975; Jan. 1; v. 246; p. 157.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Removable seat for vehicles. No. 1,251,976; Jan. 1; v. 246; p. 157.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Adjustable-seat structure. No. 1,251,977; Jan. 1; v. 246; p. 158.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Removable upholstery for vehicles. No. 1,255,323; Feb. 5; v. 247; p. 60.
Ledwinka, Joseph, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company. Lid or cover support. No. 1,264,310; Apr. 30; v. 249; p. 1040.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Transmission-gearing. No. 1,268,131; June 4; v. 251; p. 18.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Multiple spot-welding machine. No. 1,269,617; June 18; v. 251; p. 483.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-steel truck-wheel. No. 1,270,306; June 25; v. 251; p. 696.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile-body. No. 1,275,274; Aug. 13; v. 253; p. 287.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Automobile-fender. No. 1,284,374; Nov. 12; v. 256; p. 275.
Ledwinka, Joseph, assignor, by mesne assignments, to Budd Wheel Corporation, Philadelphia, Pa. Detachable wheel. No. 1,265,347; May 7; v. 250; p. 130.
Lee, Albert P., assignor to Lee Loader & Body Co., Chicago, Ill. Loading device. No. 1,251,790; Jan. 1; v. 246; p. 104.
Lee, Albert P., assignor to Lee Loader & Body Co., Chicago, Ill. Dumping-vehicle. No. 1,253,058; Jan. 8; v. 246; p. 504.
Lee, Albert P., assignor to Lee Loader & Body Co., Chicago, Ill. Dumping-hopper. No. 1,253,059; Jan. 8; v. 246; p. 504.
Lee, Albert P., assignor to Lee Loader & Body Co., Chicago, Ill. Dumping-hopper. No. 1,266,500; May 14; v. 250; p. 477.
Lee, Albert P., assignor to Lee Loader & Body Co., Chicago, Ill. Dumping-hopper vehicle. No. 1,262,588; Apr. 9; v. 249; p. 480.
Lee, Ann M., Richmond, Va. Dress-shield. No. 1,257,617; Feb. 26; v. 247; p. 844.
Lee, Arthur, Herscher, Ill. Portable power transmission. No. 1,253,396; Jan. 15; v. 246; p. 634.
Lee, Arthur L., Jamaica, N. Y. Ledger-card system, &c. No. 1,254,916; Jan. 29; v. 246; p. 1121.
Lee, Benjiman R., Chattanooga, Tenn. Demountable rim. No. 1,268,367; June 4; v. 251; p. 85.
Lee, Benjiman R., Chattanooga, Tenn. Type-writer attachment. No. 1,268,368; June 4; v. 251; p. 85.
Lee Broom & Duster Company. (See Beebe, Norman H., assignor.)
Lee, Charles A., Oneida, assignor to W. L. Smith, Syracuse, N. Y. Adjustable foot-rest for chairs. No. 1,262,216; Apr. 9; v. 249; p. 376.
Lee, Clifford. (See Price and Lee.)
Lee, Daisy G., Clermont, Fla. Playing-cards. No. 1,269,099; June 11; v. 251; p. 309.
Lee, David A., *et al.* (See Judy, Andrew W., assignor.)
Lee, Elmer J., Stroudsburg, assignor to Never-Break Products Company, Bangor, Pa. Brake. No. 1,264,820; Apr. 30; v. 249; p. 1180.
Lee, Elmo W., Tamaroa, Ill. Toilet-article holder or cabinet. No. 1,274,172; July 30; v. 252; p. 1073.
Lee, Fannie L., Paducah, Ky. Reamer. No. 1,267,674; May 28; v. 250; p. 862.
Lee, Frederick G., Rochester, N. Y. Headlight-lens. No. 1,274,173; July 30; v. 252; p. 1074.
Lee, Frederick G., Rochester, N. Y. Headlight-lens for vehicles. No. 1,288,933; Dec. 24; v. 257; p. 768.
Lee, George W. (See Sorenson and Wesley, assignors.)
Lee, Gertrude M. (See Lee, Thomas F. F., assignor.)
Lee, Grace, Chandlerville, Ill. Jar-cap renewer. No. 1,284,375; Nov. 12; v. 256; p. 276.
Lee, Guy L., Boston, Mass. Electric head-lamp. No. 1,262,065; Apr. 9; v. 249; p. 332.
Lee, Harry G., Tacoma, Wash. Elevator signaling system. No. 1,255,026; Jan. 29; v. 246; p. 1150.
Lee, Hoard, Houston, Tex. Combination pool and billiard table. No. 1,273,237; July 23; v. 252; p. 781.
Lee, Hugh, Caesar, Miss. Track construction. No. 1,257,945; Feb. 26; v. 247; p. 940.
Lee, James E., assignor to The Challenge Machinery Co., Grand Haven, Mich. Printer's galley-lock. No. 1,257,500; Feb. 26; v. 247; p. 810.
Lee, Jesse P., Stockton, Ga. Boll-weevil catcher. No. 1,270,847; July 2; v. 252; p. 26.
Lee, Jesse P., Stockton, Ga. Cotton-picker shade. No. 1,277,957; Sept. 3; v. 254; p. 171.
Lee, John H., South Clermont, Fla. Broom. No. 1,280,050; Sept. 24; v. 254; p. 821.
Lee, John J., Brooklyn, assignor to Behrend & Rothschild, New York, N. Y. Hollow body and making same. No. 1,274,174; July 30; v. 252; p. 1074.
Lee, John M., Spencer, Iowa. Detachable-handle construction. No. 1,266,832; May 21; v. 250; p. 601.
Lee Loader & Body Co. (See Lee, Albert P., assignor.)
Lee, Mabel. (See Air and Lee.)
Lee, Ralph A., Brooklyn, assignor to The Barrett Company, New York, N. Y. Coking-pitch. No. 1,283,229; Oct. 29; v. 255; p. 976.
Lee, Robert E. (See Vineyard, Pleas E., assignor.)
Lee, Ronald A., Woollahra, near Sydney, New South Wales, Australia. Boot-heel-lift magazine. No. 1,269,826; June 18; v. 251; p. 542.
Lee, Ronald C., New York, N. Y. Mother Goose movie toy. No. 1,284,116; Nov. 5; v. 256; p. 180.
Lee, Thomas F. F., Brooklyn, assignor to G. M. Lee, New York, N. Y. Furnace. No. 1,275,986; Aug. 13; v. 253; p. 485.
Lee, Thomas L. (See Halbleib and Lee.)
Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Induction-coil. No. 1,274,428; Aug. 6; v. 253; p. 24.
Lee, Truel T., Amos, Ark. Spring-clip. No. 1,271,043; July 2; v. 252; p. 82.
Lee, Ulysses G. (See Duncan and Lee.)
Lee, Ulysses G., assignor to Addressograph Company, Chicago, Ill. Two-platen hand addressing-machine. No. 1,274,905; Aug. 6; v. 253; p. 161.
Lee, Walker, Bigprairie, Ohio. Music-leaf turner. No. 1,270,745; June 25; v. 251; p. 814.
Lee, William D., Oakland, Cal. Horse-hitch for vehicles. No. 1,263,330; Apr. 16; v. 249; p. 716.
Lee, William F., Syracuse, N. Y. Automobile-wheel hub. No. 1,252,455; Jan. 8; v. 246; p. 326.
Lee, William F., Syracuse, N. Y. Roller-bearing demountable automobile-hub. No. 1,257,893; Feb. 26; v. 247; p. 926.
Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Harrow. No. 1,253,609; Jan. 15; v. 246; p. 693.
Lee, William H., Union, N. J. Collar and necktie holder. No. 1,274,906; Aug. 6; v. 253; p. 161.
Lee, William S., Detroit, Mich. Four-wheel drive for vehicles. No. 1,283,819; Nov. 5; v. 256; p. 100.
Leeak, Francis J., Detroit, Mich. Automobile-lock. No. 1,277,088; Aug. 27; v. 253; p. 854.
Leech, Aubrey B., assignor of one-half to J. Neu, Los Angeles, Cal. Sign. No. 1,271,044; July 2; v. 252; p. 83.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Starting and lighting apparatus. No. 1,286,182; Nov. 26; v. 256; p. 806.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Leech, Benjamin, Macclesfield, England. Removing pectic matter from vegetable fibers. No. 1,263,685; Apr. 23; v. 249; p. 836.
Leech, Edward O., and W. Kerr, Hebron, Ill. Gate-operating mechanism. No. 1,262,066; Apr. 9; v. 249; p. 332.
Leeds & Northrup Company, The. (See Macbeth and Smith, assignors.)
Leeds & Northrup Company, The. (See Ranken, Harold R., assignor.)
Leeds & Northrup Company. (See Smith, Irving B., assignor.)
Leedy Manufacturing Company. (See Wanamaker, Charles B., assignor.)
Leehey, Timothy J., Indianapolis, assignor of one-third to J. O'Connell, Bedford, and one-third to T. P. Keating, Indianapolis, Ind. Pocket-lock. No. 1,262,961; Apr. 16; v. 249; p. 614.
Leeland, Ole S., Pierre, S. D. Combination autograph, portrait, and calendar mount. No. 1,251,791; Jan. 1; v. 246; p. 105.
Leeks, George A., Hamilton, Ontario, Canada. Machine for grinding glass disks. No. 1,276,776; Aug. 27; v. 253; p. 771.
Leen, Charles E., Monarda, Me. Agricultural implement. No. 1,267,778; May 28; v. 250; p. 891.
Leeper, Frank, Los Angeles, Cal. Torch-stove. No. 1,257,716; Feb. 26; v. 247; p. 874.
Leeper, Upton, Barnesville, Ohio. Nut-lock. No. 1,283,532; Nov. 5; v. 256; p. 25.
Leer, Charles H. (See Burt, James H., assignor.)

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Lees, Ernest J., Cleveland, Ohio, assignor to A. D. Wilt, Jr., Detroit, Mich. Machine for manufacturing twist-drills and other articles. No. 1,254,816; Jan. 29; v. 246; p. 1090.
Leese, Thaddeus S., Avalon, assignor of one-half to F. T. Aschman, Beaver, Pa. Fuel-burner construction. No. 1,262,067; Apr. 9; v. 249; p. 332.
Leete, Horace C., Cushing, Okla. Oil-refining apparatus. No. 1,288,934; Dec. 24; v. 257; p. 769.
Lefax. (See Parker and Keet, assignors.)
Lefebvre, Albert H., Watertown, N. Y. Process and means for producing all-wood paper. No. 1,277,737; Sept. 3; v. 254; p. 113.
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Gun. No. 1,257,501; Feb. 26; v. 247; p. 810.
Lefever, Charles F., assignor to Daisy Manufacturing 1,287,358; Dec. 10; v. 257; p. 325.
Lefever, Eden G., Boyertown, Pa. Driving attachment for talking-machines. No. 1,271,590; July 9; v. 252; p. 267.
Lefevre, Armand L. F., St.-Denis, France. Automatic grate for steam-boiler and other furnaces. No. 1,257,257; Feb. 19; v. 247; p. 703.
Lefevre, Armand L. F., assignor to Societe Anonyme Des Anciens Etablissements Hotchkiss & Cie., St.-Denis, France. Chain grate for furnaces using mechanical stokers. No. 1,261,564; Apr. 2; v. 249; p. 163.
Lefevre, Charles A., Pontiac, Mich. Can-opener. No. Company, Plymouth, Mich. Air-gun. No. 1,286,359; Dec. 3; v. 257; p. 43.
Lefévre, Henry A. (See Persin, Raoul A., assignor.)
Lefevre, Joseph, Pawtucket, R. I. Work-holder for cutter-grinding machines. No. 1,284,721; Nov. 12; v. 256; p. 361.
Leffler, Artur L. O. A. (See Cassel, Gunnar E., assignor.)
Lefors, John I., Boise, Idaho. Amalgamator. No. 1,260,781; Mar. 26; v. 248; p. 922.
Leftwich, Robert F., Mobile, Ala. Automatic hose-coupling. No. 1,263,574; Apr. 23; v. 249; p. 806.
Legate, William H., *et al.* (See Shepard, Wilbur L., assignor.)
Legault, Arsène, Beauharnois, Quebec, Canada. Filter. No. 1,267,427; May 28; v. 250; p. 794.
Legg, Andrew C., Birmingham, Ala., assignor to Legg Meat Curing Company. Curing meats. No. 1,280,772; Oct. 8; v. 255; p. 209.
Legg, George B., Detroit, Mich. Laundry-tray supply. No. 1,261,248; Apr. 2; v. 249; p. 72.
Legg, John, Philadelphia, Pa. Razor-blade sharpener. No. 1,281,401; Oct. 15; v. 255; p. 414.
Legg Meat Curing Company. (See Legg, Andrew C., assignor.)
Leggett, Clinton H., New York, N. Y. Advertising device. No. 1,264,946; May 7; v. 250; p. 20.
Leggett, Clinton H., New York, N. Y. Advertising device. No. 1,264,947; May 7; v. 250; p. 21.
Leggett, Clinton H., New York, N. Y. Advertising or amusement device. No. 1,281,798; Oct. 15; v. 255; p. 519.
Legler, Edward, Kansas City, Kans., assignor to Loose-Wiles Biscuit Company, Long Island City, N. Y. Jelly-depositing attachment for cake-icing machines. No. 1,260,558; Mar. 26; v. 248; p. 856.
Lehew, George V., Akron, Ohio. Street-sweeping machine. No. 1,265,685; May 7; v. 250; p. 220.
Lehman, Arthur H., Des Moines, Iowa. Building-block machine. No. 1,287,055; Dec. 10; v. 257; p. 248.
Lehman, Charles H., New York, N. Y., assignor to General Acoustic Company. Telephone set. No. 1,281,593; Oct. 15; v. 255; p. 464.
Lehman, Frank H., Lebanon, Pa. Ash-receiving device. No. 1,283,820; Nov. 5; v. 256; p. 100.
Lehman, Frank H., Lebanon, Pa. Portable hoist. No. 1,283,821; Nov. 5; v. 256; p. 100.
Lehman, Frank H., Lebanon, Pa. Ash-receiving device. No. 1,283,822; Nov. 5; v. 256; p. 101.
Lehman, John H., Elkhart, Ind. Traffic-direction indicator. No. 1,284,376; Nov. 12; v. 256; p. 276.
Lehman, Louis H., New York, N. Y. Balancing apparatus. No. 1,266,029; May 14; v. 250; p. 348.
Lehman, Sylvester, and H. D. Kendig, Windber, Pa. Motion-retarding device. No. 1,281,594; Oct. 15; v. 255; p. 464.
Lehman, Werner. (See Ferris, Nordstrom, and Lehman.)
Lehmann, Adolph, assignor to M. Christ, Hicksville, N. Y. Rope-clamp. No. 1,259,881; Mar. 19; v. 248; p. 626.
Lehmann, Adolph, assignor to M. Christ, Hicksville, N. Y. Nut and thread protector. No. 1,254,514; Jan. 22; v 246; p. 972.
Lehmann, Arthur E. (See Coutant and Lehmann.)
Lehmann, Julius C., Brooklyn, N. Y. Door-check. No. 1,254,245; Jan. 22; v. 246; p. 894.
Lehmann, Oscar, Salt Lake City, Utah. Audible-signal for road-vehicles. No. 1,281,595; Oct. 15; v. 255; p. 465.
Lehmkuhl, William B., Cambridge, Mass. Adjustable supporting apparatus. No. 1,255,185; Feb. 5; v. 247; p. 21.
Lehner, John, Pittsburgh, Pa. Suction mechanism for dental plates. No. 1,255,027; Jan. 29; v. 246; p. 1150.
Lehtinen, George E., East Jaffrey, N. H. Aeronautical compass. No. 1,270,178; June 18; v. 251; p. 635.
Leibbrandt, Bertha, Santa Cruz, Cal. Treating grain for beverages. No. 1,269,100; June 11; v. 251; p. 309.
Leich Electric Company. (See Leich, Oscar M., assignor.)
Leich, Oscar M., assignor to Leich Electric Company, Genoa, Ill. Telegraph system. No. 1,269,539; June 11; v. 251; p. 428.
Leich, Oscar M., assignor to Leich Electric Company, Genoa, Ill. Current-modifier. No. 1,271,732; July 9; v. 252; p. 308.
Leich, Oscar M., assignor to Leich Electric Company, Genoa, Ill. Current-modifier. No. 1,271,733; July 9; v. 252; p. 308.
Leich, Oscar M., assignor to Leich Electric Company, Genoa, Ill. Vibrator. No. 1,286,034; Nov. 26; v. 256; p. 770.
Leich, Oscar M., assignor to Leich Electric Company, Genoa, Ill. Vibratory converter. No. 1,288,935; Dec. 24; v. 257; p. 769.
Leick, Lucie M., Los Angeles, Cal. School-desk. No. 1,280,619; Oct. 1; v. 255; p. 140.
Leiding, Carl H., Baltimore, Md. Safety appliance for window-cleaners. No. 1,275,053; Aug. 6; v. 253; p. 202.
Leigh, William R., New York, N. Y. Camp-stool. No. 1,284,377; Nov. 12; v. 256; p. 276.
Leighton, Albert, St. Louis, Mo. Combined suspender-belt tab and belt-loop for trousers. No. 1,256,580; Feb. 19; v. 247; p. 505.
Leighton, Ariel H., McMinnville, Oreg. Hot-water bottle. No. 1,288,061; Dec. 17; v. 257; p. 530.
Leighton, George A., South Boston, Mass., assignor to American Can Company, New York, N. Y. Making cans. No. 1,257,502; Feb. 26; v. 247; p. 810.
Leighton, George A., South Boston, Mass., assignor to American Can Company, New York, N. Y. Sardine-can. No. 1,277,738; Sept. 3; v. 254; p. 113.
Leighton, Helen E., Boston, Mass. Sanitary pad for water-closet seats. No. 1,283,533; Nov. 5; v. 256; p. 25.
Leiman, George W. (See Leiman, William H. and G. W.)
Leiman, Henry, Tampa, Fla. Box. No. 1,254,515; Jan. 22; v. 246; p. 972.
Leiman, Henry, Tampa, Fla. Box. No. 1,278,691; Sept. 10; v. 254; p. 394.
Leiman, William H. and G. W., Newark, N. J. Dust-collector for polishing-machines. No. 1,267,091; May 21; v. 250; p. 673.
Leimbach, Lizzie T. (See Harrah, Hillis A., assignor.)
Leimecke, Gustave A., St. Louis, Mo. Bag-holder. No. 1,289,830; Dec. 31; v. 257; p. 1014.
Leinhauser, Otto P., Sharon Hill, Pa. Punch. No. 1,279,886; Sept. 24; v. 254; p. 776.
Leinweber, Curtis H., *et al.*, executors. (See Leinweber, Frederick H.)
Leinweber, Frederick H., deceased, Chicago, Ill.; C. H., W. H., and V. H. Leinweber, executors. Airship. No. 1,288,936; Dec. 24; v. 257; p. 769.
Leinweber, Frederick H., deceased, Chicago, Ill.; C. H., W. H., and V. H. Leinweber, executors. Landing-gear for airships. No. 1,288,937; Dec. 24; v. 257; p. 769.
Leinweber, Victor H., *et al.*, executors. (See Leinweber, Frederick H.)
Leinweber, William H., *et al.* (See Leinweber, Frederick H.)
Leipert, August H. (See Hewitt and Leipert.)
Leipert, August H., Brooklyn, assignor to International Motor Company, New York, N. Y. Sheet-metal internal-combustion engine. No. 1,286,667; Dec. 3; v. 257; p. 118.
Leipert, August H., Brooklyn, assignor to International Motor Company, New York, N. Y. Sheet-metal internal-combustion engine. No. 1,287,359; Dec. 10; v. 257; p. 325.
Leiser, Richard. (See Haber and Leiser.)
Leissner, Harry F., Ljusne, Sweden. Internal-combustion engine. No. 1,260,408; Mar. 26; v. 248; p. 812.
Leissner, Harry F., Ljusne, Sweden. Spring device. No. 1,260,921; Mar. 26; v. 248; p. 958.
Leissner, Harry F., Ljusne, Sweden. Centrifugal governor. No. 1,260,922; Mar. 26; v. 248; p. 959.
Leist, Jean I., Brooklyn, N. Y. Composition for repelling rodents and insects. No. 1,270,630; June 25; v. 251; p. 786.
Leitch, John W., Huddersfield, England. Concentrating sulfuric acid. No. 1,257,894; Feb. 26; v. 247; p. 926.
Leitch, John W., Huddersfield, England. Concentrating sulfuric acid. No. 1,257,895; Feb. 26; v. 247; p. 926.
Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Milking-machine cluster. No. 1,255,186; Feb. 5; v. 247; p. 21.
Leitch, Meredith, Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. No. 1,263,439; Apr. 23; v. 249; p. 769.
Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Disk-washer. No. 1,264,191; Apr. 30; v. 249; p. 1008.
Leitch, Meredith, Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Disk-washer. No. 1,264,192; Apr. 30; v. 249; p. 1008.

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Leitch, Meredith, Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Emulsifier. No. 1,266,501; May 14; v. 250; p. 477.
Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y. Cream-regulating screw for centrifugal separators. No. 1,284,914; Nov. 12; v. 256; p. 411.
Leitch, Meredith, and B. R. Wright, Poughkeepsie, assignors to The De Laval Separator Company, New York, N. Y. Froth-reducing discharge apparatus and process. No. 1,256,810; Feb. 19; v. 247; p. 572.
Leitner, Henry, Westminster, London, and W. H. Exley, Mabury Hill, Woking, England. Electric accumulator. No. 1,275,448; Aug. 13; v. 253; p. 335.
Leitner, Henry, Tunbridge Wells, England. Dynamo. No. 1,283,534; Nov. 5; v. 256; p. 25.
Leitner, Hugo F., Nipomo, Cal. Wrench. No. 1,261,565; Apr. 2; v. 249; p. 164.
Lejeune-Saconney, Charles, and T. Testu, Nice, France. Handle-bar with universal control for bicycles and motor-cycles. No. 1,269,101; June 11; v. 251; p. 309.
Lektophone Corporation. (See Hopkins, Marcus C., assignor.)
Leland, Albert R., R. B. Benjamin, and G. A. Sellar assignors to Benjamin-Sellar Manufacturing Company, Chicago, Ill. Toy mold. No. 1,287,599; Dec. 10; v. 257; p. 383.
Leland, Charles B., Clifton Springs, N. Y. Sprayer. No. 1,279,129; Sept. 17; v. 254; p. 539.
Leland, George H., Hartford, Conn. Making gold crowns. No. 1,257,367; Feb. 26; v. 247; p. 770.
Lelievre, Leonard J., Seattle, Wash. Douche-pail. No. 1,259,111; Mar. 12; v. 248; p. 376.
Lelievre, Leonard I., Seattle, Wash. Irrigating flower-pot. No. 1,264,096; Apr. 23; v. 249; p. 948.
Lellep, Otto, New York, N. Y. Treating nickel matte or nickel-copper matte. No. 1,278,176; Sept. 10; v. 254; p. 254.
Lemassena, Clement F., Newark, N. J. Reel for tape-measures. No. 1,269,466; June 11; v. 251; p. 409.
Lemay, Joseph, Sault Ste. Marie, Ontario, Canada. Coal-pusher. No. 1,275,708; Aug. 13; v. 253; p. 406.
Lemb, William, Brooklyn, N. Y. Arch construction for furnaces. No. 1,275,709; Aug. 13; v. 253; p. 407.
Lemen, Lewis E. (See Matthews, Edward, assignor.)
Lemercier, André A., Paris, France. Electrically-heated clothing. No. 1,284,378; Nov. 12; v. 256; p. 276.
Lemke, George H., Zumbro Falls, Minn. Washboiler. No. 1, 277,611; Sept. 3; v. 254; p. 77.
Lemme, Emil S., San Francisco, Cal. Interlocking building-block. No. 1,282,090; Oct. 22; v. 255; p. 637.
Lemoine, Louis R., Philadelphia, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Turn-table. No. 1,282,885; Oct. 29; v. 255; p. 883.
Lemon, Herbert L., Chicago, Ill. Metal package. No. 1,275,449; Aug. 13; v. 253; p. 335.
Lemon, Winfred E. (See Weedon and Lemon.)
Lemp, Hermann, and H. W. Stock, Erie, Pa., assignors to General Electric Company. Lubricating system for engines. No. 1,257,258; Feb. 19; v. 247; p. 704.
Lempdes, Adolphe H. R. de, Senonches, France. Cartridge-indicator for repeating or automatic small-arms. No. 1,252,094; Jan. 1; v. 246; p. 192.
Lempie, Toivo, Montesano, Wash. Revolver-handle. No. 1,279,372; Sept. 17; v. 254; p. 607.
Lenard, Louis, Chicago, Ill. Extension-table. No. 1,275,948; Aug. 13; v. 253; p. 474.
Lenardič, Charles, Cleveland, Ohio. Revolver-sword. No. 1,263,440; Apr. 23; v. 249; p. 770.
Lender, William, Los Angeles, Cal. Automatic railway-crossing. No. 1,255,617; Feb. 5; v. 247; p. 146.
Lenderoth, Arnold W. (See Fox and Lenderoth.)
Lenders, Adolph W. H., Cedar Rapids, Iowa. Size and making same. No. 1,253,397; Jan. 15; v. 246; p. 634.
Lenders, Adolph W. H., Cedar Rapids, Iowa. Method of curing starch. No. 1,260,983; Mar. 26; v. 248; p. 975.
Lenders, Adolph W. H., Cedar Rapids, Iowa. Producing dustless starch. No. 1,272,682; July 16; v. 252; p. 602.
Leng, Edward H., Montclair, N. J. Collapsible go-cart. No. 1,268,856; June 11; v. 251; p. 241.
Leng, William M., Havelock, Ontario, Canada. Valve-gear. No. 1,253,503; Jan. 15; v. 246; p. 663.
Lenhart, William S., Atlantic City, N. J. Carbureter. No. 1,271,181; July 2; v. 252; p. 121.
Lenke, Edward, Cuyahoga Falls, assignor to F. T. Lahey, Akron, Ohio. Collapsible box. No. 1,263,575; Apr. 23; v. 249; p. 806.
Lenkerd, George W., Indiana, Pa. Hollow building-block. No .1,255,761; Feb. 5; v. 247; p. 188.
Lennen, Clinton I. (See Babcock and Lennen.)
Lenske, Charles H., Chicago, Ill. Resilient wheel. No. 1,252,456; Jan. 8; v. 246; p. 327.
Lent, Henry E., Park Rapids, Minn. Bottle. No. 1,270,305; June 25; v. 251; p. 695.
Lent, Wilmar F., Philadelphia, Pa., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. No. 1,260,215; Mar. 19; v. 248; p. 721.
Lents, John M., Evansville, Ind., assigner to The Owens Bottle Machine Company, Toledo, Ohio. Glass-anneal-
Lenth, August W., Monona, Iowa. Clothes-pounder. No. 1,264,821; Apr. 30; v. 249; p. 1181.
ing oven. No. 1,289,208; Dec. 31; v. 257; p. 860.
Lentz, Charles, *et al.* (See Pratt, Edward, assignor.)
Lentz, John, Ridgewood, N. J. Grass-edging tool. No. 1,263,779; Apr. 23; v. 249; p. 861.
Lenz, Charles S., assignor to Coston Signal, New York, N. Y. Releasing-gear for life-boats. No. 1,280,497; Oct. 1; v. 255; p. 106.
Lenz, Paul R. H., Los Angeles, Cal. Oil-burner. No. 1,268,587; June 4; v. 251; p. 147.
Lenzen, John, Paterson, N. J. Fastener or tie device. No. 1,268,132; June 4; v. 251; p. 18.
Leo, August, Eureka, Cal. Wrench. No. 1,262,682; Apr. 16; v. 249; p. 535.
Leo, Isaac, Chicago, Ill. Cooling device for automobile-tires. No. 1,253,259; Jan. 15; v. 246; p. 591.
Leo Morse, Inc. (See Morse, Leo, assignor.)
Leo, Paul, Elizabeth, N. J. Paper-guide for seal-presses. No. 1,257,717; Feb. 26; v. 247; p. 875.
Leon, Leon S., Chicago, Ill. Inhaling apparatus. No. 1,263,079; Apr. 16; v. 249; p. 649.
Leon, Morris, and A. B. Vance, Fort Smith, Ark.; said Vance assignor to said Leon. Display-stand. No. 1,255,444; Feb. 5; v. 247; p. 95.
Leon, Morris, and A. B. Vance, Fort Smith, Ark.; said Vance assignor to said Leon. Display-holder. No. 1,273,238; July 23; v. 252; p. 781.
Leon, Morris, and A. B. Vance, Fort Smith, Ark.; said Vance assignor to said Leon. Display-holder. No. 1,273,239; July 23; v. 252; p. 781..
Leon, Tony, Worcester, Mass. Non-refillable bottle. No. 1,278,950; Sept. 17; v. 254; p. 494.
Leon, Tony, Worcester, Mass. Non-refillable bottle. No. 1,288,430; Dec. 17; v. 257; p. 617.
Leonard, Carolyn G., administratrix. (See Leonard Harry W.)
Leonard, Caswell L., Corinth, Miss. Ironing-board. No. 1,282,091; Oct. 22; v. 255; p. 638.
Leonard, Elof R., Woodcliff, N. J. Self-closing window. No. 1,256,335; Feb. 12; v. 247; p. 398.
Leonard, Elof R., Woodcliff, N. J. Fusible link. No. 1,262,362; Apr. 9; v. 249; p. 416.
Leonard, George A., Sheffield, Iowa. Masonry wall construction. No. 1,254,417; Jan. 22; v. 246; p. 944.
Leonard, George I., Chicago, Ill., assignor to Leonard Valveless Engine Company. Engine. No. 1,270,037; June 18; v. 251; p. 597.
Leonard, George I., assignor to Leonard Pump and Motor Co., Chicago, Ill. Thermostat. No. 1,278,483; Sept. 10; v. 254; p. 336.
Leonard, George I., Chicago, Ill., assignor to Leonard Valveless Engine Company. Engine. No. 1,279,373; Sept. 17; v. 254; p. 607.
Leonard, Harry C., and A. F. Winters, assignors to Grand Rapids Refrigerator Company, Grand Rapids, Mich. Refrigerator-latch. No. 1,269,467; June 11; v. 251; p. 409.
Leonard, Harry W., deceased, Bronxville, N. Y.; C. G. Leonard, administratrix, assignor to H. Ward Leonard, Incorporated. Headlight. No. 1,263,080; Apr. 16; v. 249; p. 649.
Leonard, Harry W., deceased; C. G. Leonard, administratrix, Bronxville, N. Y., assignor to H. Ward Leonard, Incorporated. Elastic belt. No. 1,264,193; Apr. 30; v. 249; p. 1008.
Leonard, Harry W., deceased, Bronxville, N. Y.; C. G. Leonard, administratrix, assignor to H. Ward Leonard, Incorporated. Electric system for motor-vehicles. No. 1,288,938; Dec. 24; v. 257; p. 770.
Leonard, Henry M., Topeka, Kans. Hog-trough. No. 1,269,943; June 18; v. 251; p. 573.
Leonard, Howard M., Jackson, Mich. Gear-case mounting for motor vehicles. No. 1,254,708; Jan. 29; v. 246; p. 1057.
Leonard, Howard M., Jackson, Mich. Gearing. No. 1,269,944; June 18; v. 251; p. 573.
Leonard, Howard M., Jackson, Mich. Tractor. No. 1,273,631; July 23; v. 252; p. 886.
Leonard, Hugh J., Big Lake, Ark. Coupling for harness and the like. No. 1,269,618; June 18; v. 251; p. 484.
Leonard, Joseph B., Detroit, Mich. Brake-band. No. 1,273,507; July 23; v. 252; p. 853.
Leonard, Lewis L., Ocean Grove, N. J. Corn-stalk cutter and loader. No. 1,273,240; July 23; v. 252; p. 782.
Leonard, Leslie V., Richmond, assignor of one-half to A. J. Allen, Moonee Ponds, Victoria, Australia. Electric heater unit. No. 1,278,484; Sept. 10; v. 254; p. 336.
Leonard, Omer, and A. T. Johnson, Chicago, Ill. Massage implement. No. 1,255,028; Jan. 29; v. 246; p. 1151.
Leonard Pump and Motor Co. (See Leonard, George I., assignor.)
Leonard Pump & Motor Company. (See Parkyn, Herbert A., assignor.)
Leonard, Roy E., and H. Gearing, Los Angeles, Cal., assignors of one-half to Frank W. A. Finley, Pittsburgh, Pa., and one-half to said Leonard. Swedge. No. 1,279,130; Sept. 17; v. 254; p. 539.

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Leonard, Wilbur A., Woodmont, Conn. Die-head. No. 1,269,468; June 11; v. 251; p. 410.
Leonard, William B., Chicago, Ill. Locking-spacer for concrete-forms. No. 1,277,612; Sept. 3; v. 254; p. 77.
Leonard, William J., New York, N. Y. Convertible vehicle-body. No. 1,283,230; Oct. 29; v. 255; p. 976.
Leonard, William L., and J. E. Myers, Altoona, Pa. Cross-head pin. No. 1,274,061; July 30; v. 252; p. 1042.
Leonard, William L., N. Suhrie, Altoona, and C. D. Douty, Barree, Pa. Boiler-feed apparatus. No. 1,282,601; Oct. 22; v. 255; p. 776.
Leone, Domnick F., Seattle, Wash. Electric-lighting system for automobiles. No. 1,257,618; Feb. 26; v. 247; p. 845.
Leoni, Alfonso M., assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. No. 1,266,603; May 21; v. 250; p. 536.
Leopold, Frederick B., Perrysville, Pa. Manifold for filters. No. 1,276,665; Aug. 20; v. 253; p. 705.
Leopold, George O. (See Fegley and Leopold.)
Leopold, George O., assignor to North Bro's M'f'g Co., Philadelphia, Pa. Ratchet mechanism. No. 1,286,360; Dec. 3; v. 257; p. 43.
Leopold, George O., assignor to North Bro's M'f'g Co., Philadelphia, Pa. Lifting-jack. No. 1,286,361; Dec. 3; v. 257; p. 44.
Leopold, Julius, and M. Beberfield, New York, N. Y. Corset. No. 1,282,441; Oct. 22; v. 255; p. 733.
Leopold, Nathan F. (See McCanna and Heinen, assignors.)
Lepage, Albert L. (See Loiselle and Lepage.)
Lepage, Germain, Tiverton, R. I. Loom-temple. No. 1,263,686; Apr. 23; v. 249; p. 836.
Lepage, Joseph E., Montreal, Quebec, Canada. Life-saving suit. No. 1,271,045; July 2; v. 252; p. 83.
Lepak, Peter, Pittsburgh, Pa. Gun-adjusting means. No. 1,285,253; Nov. 19; v. 256; p. 534.
Leperre, Emile, Berchem-Antwerp, Belgium. Automatic diamond cutting and polishing machine. No. 1,262,217; Apr. 9; v. 249; p. 376.
Lépine, Georges, Neuchatel, Switzerland. Uninflammable liquid adapted for use in insulating and other similar purposes. No. 1,255,618; Feb. 5; v. 247; p. 146.
Lepley, Clyde E., Bayonne, N. J. Distillation of petroleum. No. 1,261,410; Apr. 2; v. 249; p. 119.
Lepley, Daniel F., Connellsville, Pa. Safety attachment for elevators. No. 1,260,216; Mar. 19; v. 248; p. 721.
Lepper, John I., Milwaukee, Wis. Machine for cutting corn-pads. No. 1,269,619; June 11; v. 251; p. 484.
Leprevost, William H., Niles, Ohio. Power-jack. No. 1,275,450; Aug. 13; v. 253; p. 336.
Lerch, William G., and C. P. Whisler, assignors to The Miller Rubber Company, Akron, Ohio. Heel-trimmer. No. 1,268,477; June 4; v. 251; p. 117.
Lesch, Edward, New York, N. Y. Collar-button. No. 1,271,182; July 2; v. 252; p. 121.
Leschbrandt, Einar, Philadelphia, Pa. Photographic camera. No. 1,278,692; Sept. 10; v. 254; p. 394.
Leschbrandt, Einar, Philadelphia, Pa. Photographic camera. No. 1,284,379; Nov. 12; v. 256; p. 277.
Lesem, Isaac H., St. Louis, Mo. Fan. No. 1,273,384; July 23; v. 252; p. 819.
Lesem, Isador, Wichita, Kans. Explosion-engine. No. 1,272,683; July 16; v. 252; p. 602.
Leserman, Max. (See Lissmann, Albert R., assignor.)
Lesher, Earl W. (See Russell, Lesher and Meunier.)
Lesher, John C., San Francisco, Cal. Mineral-separator. No. 1,281,596; Oct. 15; v. 255; p. 465.
Lesher, Robert W., Northumberland, Pa. Conveyer attachment for threshing-machines. No. 1,268,857; June 11; v. 251; p. 242.
Lesko, Mike, Cleveland, Ohio. Gun-rest. No. 1,277,435; Sept. 3; v. 254; p. 29.
Leslie, Alfred. (See Corrall and Leslie.)
Leslie, Frank, assignor of one-half to E. O. Sargent, Des Moines, Iowa. Safety alarm device for motor-vehicles. No. 1,257,259; Feb. 19; v. 247; p. 704.
Leslie, Franklin J., New York, N. Y. Device for removing obstructions from tubes. No. 1,275,571; Aug. 13; v. 253; p. 369.
Leslie, Graham P., assignor to J. W. Leslie, trustee, Boston, Mass. Safety-razor. No. 1,272,816; July 16; v. 252; p. 641.
Leslie, Ingram, John, Ky. Harrow. No. 1,254,817; Jan. 29; v. 246; p. 1091.
Leslie, James W., trustee. (See Leslie, Graham P., assignor.)
Lesquier, Charles, Union, N. J. Meat-slicing machine. No. 1,287,361; Dec. 10; v. 257; p. 325.
Lessing, Rudolf, High Holborn, London, England. Extraction and recovery of vaporous and gaseous constituents from coal-gas. No. 1,281,597; Oct. 15; v. 255; p. 465.
Lester Piano Company. (See Wamsley, Wayne D., assignor.)
Leszczynski, Anthony. (See Leszczynski, Stanley and A.)
Leszczynski, Stanley and A., Gary, Ind. Garment. No. 1,278,693; Sept. 10; v. 254; p. 395.
Leszczynski, Thaddeus B., Chicago, Ill. Chair-fan. No. 1,262,525; Apr. 9; v. 249; p. 461.
Letchford, Harry. (See Eugen and Letchford.)
Lethert, John A., St. Paul, Minn. Price-indicator. No. 1,255,897; Feb. 12; v. 247; p. 267.
Letroteur, Maurice, Paris, France. Interconnected reversing mechanism and clutch. No. 1,268,735; June 4; v. 251; p. 188.
Letroteur, Maurice L., Paris, France. Motor-plow. No. 1,266,502; May 14; v. 250; p. 478.
Letsch, Frederick W. (See McFarland and Letsch.)
Letts, Walter W., Cortland, N. Y. Reflector for headlights. No. 1,255,543; Feb. 5; v. 247; p. 125.
Letz Manufacturing Company, The. (See Holland-Letz, William, assignor.)
Letz Manufacturing Company, The. (See Letz, William H., assignor.)
Letz, William H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Hay-cutter. No. 1,281,598; Oct. 15; v. 255; p. 465.
Letzeisen, Louis, Hartford, Conn. Spectacles. No. 1,252,126; Jan. 1; v. 246; p. 200.
Letzing, Christian J., Boston, Mass. Chuck. No. 1,263,081; Apr. 16; v. 249; p. 650.
Leubusher, Theodore, *et al.* (See Bringe, William F., assignor.)
Leustig, Benno B., Cleveland, Ohio. Demountable wheel-rim. No. 1,272,467; July 16; v. 252; p. 540.
Leustig, Benno B., Cleveland, Ohio. Rail-support. No. 1,273,508; July 23; v. 252; p. 853.
Leuthner, Frank J. (See Tickner, Frank W., assignor.)
Levalley, Christopher W., Milwaukee, Wis. Transmission-gearing. No. 1,264,822; Apr. 30; v. 249; p. 1181.
Levalley, Christopher W., D. Fraser, and S. Shafer, Jr., assignors to Chain Belt Company, Milwaukee, Wis. Elevating and hoisting apparatus. No. 1,281,179; Oct. 8; v. 255; p. 320.
Levasseur, Louis J., Bay City, Mich. Detachable cuff. No. 1,261,249; Apr. 2; v. 249; p. 72.
Levaur, Aaron, New York, N. Y. Sheet-metal building-wall construction. No. 1,281,599; Oct. 15; v. 255; p. 466.
Leve, Robert E., New York, N. Y. Sewing-machine lamp. No. 1,269,469; June 11; v. 251; p. 410.
Levens, Leonard, Centralhatchee, Ga. Hay-wagon. No. 1,265,096; May 7; v. 250; p. 63.
Levenson, Henry H., *et al.* (See Lipson, Samuel, assignor.)
Leveque, Bernard T., Wenham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Button-attaching machine. No. 1,263,441; Apr. 23; v. 249; p. 770.
Lever, Amand, San Francisco, Cal. Mixer. No. 1,281,603; Oct. 15; v. 255; p. 467.
Lever, John W., Columbia, S. C. Separating mechanism for cotton-seed hullers. No. 1,252,273; Jan. 1; v. 246; p. 241.
Lever, William R., *et al.* (See Townsend, Charley C., assignor.)
Levey, Thomas J., Baltimore, Md., assignor, by mesne assignments, to Ferdinand Gutmann & Company, New York, N. Y. Bottle-capping machine. No. 1,282,247; Oct. 22; v. 255; p. 681.
Levi, Robert, New York, N. Y. Dress-shield and making same. No. 1,272,684; July 16; v. 252; p. 603.
Levin, Arthur, Winnipeg, Manitoba, Canada. Window-blind attachment. No. 1,251,899; Jan. 1; v. 246; p. 136.
Levin, Israel, Los Angeles, Cal. Sanitary toilet-seat protector. No. 1,268,024; May 28; v. 250; p. 961.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Supporting and adjusting mechanism for mining-machines. No. 1,267,675; May 28; v. 250; p. 862.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Rheostat. No. 1,267,879; May 28; v. 250; p. 922.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Axle journal-box for outside-wheel locomotives. No. 1,273,884; July 30; v. 252; p. 993.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining-machine. No. 1,285,254; Nov. 19; v. 256; p. 535.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining and loading machine. No. 1,290,020; Dec. 31; v. 257; p. 1060.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining and loading machine. No. 1,290,021; Dec. 31; v. 257; p. 1061.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,290,022; Dec. 31; v. 257; p. 1061.
Levin, Willy, New York, N. Y. Toy. No. 1,284,381; Nov. 12; v. 256; p. 277.
Levine, Harry, Chicago, Ill. Door-lock. No. 1,283,535; Nov. 5; v. 256; p. 26.
Levine, John, Detroit, Mich. Newspaper-vending machine. No. 1,274,724; Aug. 6; v. 253; p. 110.
Levine, S. & H. (See Levine, Samuel, assignor.)

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Levine, Samuel, Brooklyn, assignor to S. & H. Levine, New York, N. Y. Hook-link for expansible bracelets, &c. No. 1,282,442; Oct. 22; v. 255; p. 734.
Levine, William, Princeton, N. J. Surgical tourniquet. No. 1,269,620; June 18; v. 251; p. 484.
Levinger, David, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine for making indentures. No. 1,262,526; Apr. 9; v. 249; p. 461.
Levinger, David, and O. Anderson, Chicago, Ill., assignors to Western Electric Company, New York, N. Y. Tapping-machine. No. 1,254,709; Jan. 29; v. 246; p. 1057.
Levinson, David, Chicago, Ill. Protecting pad or armor. No. 1,253,260; Jan. 15; v. 246; p. 592.
Levinson, Moses, New York, N. Y. Electric iron. No. 1,272,063; July 9; v. 252; p. 402.
Levinson, Samuel, Brooklyn, N. Y. Mouth toilet preparation. No. 1,275,275; Aug. 13; v. 253; p. 288.
Levinson, Samuel, Pittsburgh, Pa. Dispensing-cabinet. No. 1,279,374; Sept. 17; v. 254; p. 608.
Levinstein, Herbert, Manchester, England. Production of azo dyestuffs. No. 1,283,231; Oct. 29; v. 255; p. 977.
Levis, Willis S., Yonkers, N. Y. Composite figure toy. No. 1,272,685; July 16; v. 252; p. 603.
Levisay, Charles A. (See Levisay, William E. and C. A.)
Levisay, William E. and C. A., Covington, Va. Gasolene-tank. No. 1,287,362; Dec. 10; v. 257; p. 326.
Levitt, Abraham. (See Moldovan, Madriss, and Levitt.)
Levussove, Moses S., New York, N. Y. Talking-machine. No. 1,279,375; Sept. 17; v. 254; p. 608.
Levy, David B. (See Abramovitz, Morris, assignor.)
Levy, Edward D., Springfield, Mo., and H. W. Jacobs, Topeka, Kans. Tank-car. No. 1,251,978; Jan. 1; v. 246; p. 158.
Levy, Edward D., Springfield, Mo., and H. W. Jacobs, Topeka, Kans. Car-door. No. 1,280,498; Oct. 1; v. 255; p. 107.
Levy, Edward S., New York City. Necktie. No. 1,280,773; Oct. 8; v. 255; p. 209.
Levy, Ephraim B., New York, N. Y. Sectional gun. No. 1,285,255; Nov. 19; v. 256; p. 535.
Lévy, Fortunato, Paris, France, assignor to General Carbonic Co., Brooklyn, N. Y. Apparatus for gasifying liquid gases. No. 1,283,823; Nov. 5; v. 256; p. 101.
Levy, Joseph, Brooklyn, N. Y. Handle for jointed containers. No. 1,269,470; June 11; v. 251; p. 410.
Levy, Joseph L., New York, N. Y. Pocket for garments. No. 1,260,217; Mar. 19; v. 248; p. 722.
Levy, Max, Philadelphia, Pa. Microscopic measuring-machine. No. 1,281,035; Oct. 8; v. 255; p. 279.
Lewandowski, Leon, assignor of one-half to A. S. Fijalkowski, Detroit, Mich. Floor-scrubbing machine. No. 1,255,324; Feb. 5; v. 247; p. 61.
Lewandowski, Leon, Depew, N. Y. Wire-cutter. No. 1,283,824; Nov. 5; v. 256; p. 101.
Lewark, St. Claire, Mamie, N. C. Submarine life-boat. No. 1,259,534; Mar. 19; v. 248; p. 527.
Lewchuk, Nicholas P., Canora, Saskatchewan, Canada. Alarm device. No. 1,261,411; Apr. 2; v. 249; p. 119.
Lewellen, John W., Ridal, Pa. Oil-furnace. No. 1,289,484; Dec. 31; v. 257; p. 929.
Lewellin, Walter M., Los Angeles, Cal. Necktie holder and press. No. 1,278,694; Sept. 10; v. 254; p. 395.
Lewellyn, Oscar I. (See Smith and Lewellyn.)
Lewinski, Frank, Camp Meade, Md. Bomb-throwing device. No. 1,282,248; Oct. 22; v. 255; p. 681.
Lewis, Alonzo E., Ingersoll, Ontario, Canada. Driving means. No. 1,278,485; Sept. 10; v. 254; p. 336.
Lewis, Anson F. (See Curry and Lewis.)
Lewis, Antone J., Irvington, Cal. Automobile-signal. No. 1,274,289; July 30; v. 252; p. 1106.
Lewis, Arthur J., Stratford, Conn. Making stud-fastener members. No. 1,289,831; Dec. 31; v. 257; p. 1014.
Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Spring-assembling mechanism for snap-fasteners. No. 1,271,330; July 2; v. 252; p. 163.
Lewis, Arthur J. Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Mechanism for slotting studs. No. 1,284,382; Nov. 12; v. 256; p. 278.
Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Mechanism for slotting studs. No. 1,284,383; Nov. 12; v. 256; p. 278.
Lewis, Arthur L., Rochester, and J. L. Turney, Monaca, Pa. Metal-bending mechanism. No. 1,254,516; Jan 22; v. 246; p. 972.
Lewis, Arthur L., Newtonville, Mass. Filing device for bound catalogues, books, &c. No. 1,275,054; Aug. 6; v. 253; p. 203.
Lewis, Benjamin F., assignor of one-fourth to J. Linz and one-fourth to G. Linz, Pittsburgh, Pa. Door-operating mechanism. No. 1,260,782; Mar. 26; v. 248; p. 922.
Lewis, Charles A., assignor to Adams & Elting Company, Chicago, Ill. Antifreezing compound. No. 1,282,249; Oct. 22; v. 255; p. 682.
Lewis, Charles A., assignor to Adams & Elting Company, Chicago, Ill. Composition for removing carbon. No. 1,287,589; Dec. 10; v. 257; p. 380.
Lewis, Charles H. (See Rider, Jay G., assignor.)
Lewis, Charles W., Tampa, Fla. Base-ball game. No. 1,276,777; Aug. 27; v. 253; p. 772.
Lewis, David M., Topeka, Kans., assignor of two-thirds to J. D. Purcell, Chicago, Ill. Locomotive draft appliance. No. 1,283,239; Oct. 29; v. 255; p. 979.
Lewis, Dean C., assignor to Lewis Manufacturing Company, Philadelphia, Pa. Mechanically-operated gear-changing mechanism for automobiles. No. 1,264,403; Apr. 30; v. 249; p. 1067.
Lewis, Edward A. (See Frew and Lewis.)
Lewis, Edward D., assignor to Elmira Crematory Co. Inc., Elmira, N. Y. Method of and apparatus for cremation. No. 1,263,257; Apr. 16; v. 249; p. 697.
Lewis, Edward Z., Chicago, Ill. Manifold attachment for type-writers. No. 1,258,421; Mar. 5; v. 248; p. 138.
Lewis, Elgie J., Middleport, N. Y. Machine for preparing fruits and vegetables. No. 1,264,823; Apr. 30; v. 249; p. 1181.
Lewis, Frank M., Chicago, Ill. Differential mechanism. No. 1,286,362; Dec. 3; v. 257; p. 44.
Lewis, Frederick H., Marion, Conn. Valve-facing tool. No. 1,280,774; Oct. 8; v. 255; p. 209.
Lewis, Fredrick T., and E. E. Samuelson, Chippewa Falls, Wis. Feeding-rack. No. 1,269,827; June 18; v. 251; p. 542.
Lewis, Gail B., Notus, Idaho. Wire-clamp. No. 1,268,478; June 4; v. 251; p. 117.
Lewis, George C., New York, N. Y. Treating finely-subdivided material. No. 1,263,082; Apr. 16; v. 249; p. 650.
Lewis, George G., Philadelphia, Pa. Beverage-urn. No. 1,268,858; June 11; v. 251; p. 242.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Adjustable die. No. 1,252,821; Jan. 8; v. 246; p. 432.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Power-driven wrench. No. 1,253,398; Jan. 15; v. 246; p. 634.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Strip-cutting apparatus. No. 1,255,098; Jan. 29; v. 246; p. 1170.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and apparatus for molding rubber goods. No. 1,255,099; Jan. 29; v. 246; p. 1170.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Web-tensioning device. No. 1,256,503; Feb. 12; v. 247; p. 448.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Collapsible core. No. 1,281,600; Oct. 15; v. 255; p. 466.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Reinforcement of tire-bases. No. 1,281,601; Oct. 15; v. 255; p. 466.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Crimping device. No. 1,288,063; Dec. 17; v. 257; p. 531.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cleaning apparatus. No. 1,288,064; Dec. 17; v. 257; p. 531.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Automatic cutting and beveling apparatus. No. 1,289,485; Dec. 31; v. 257; p. 929.
Lewis, George W. (See Hayes and Lewis.)
Lewis, George S., Oak Park, assignor to Mead Cycle Company, Chicago, Ill. Sprocket. No. 1,251,979; Jan. 1; v. 246; p. 158.
Lewis, George W., Grinnell, Iowa. Centrifugal extractor. No. 1,253,987; Jan. 15; v. 246; p. 800.
Lewis, George W., assignor to Grinnell Washing Machine Company, Grinnell, Iowa. Washing-machine. No. 1,262,962; Apr. 16; v. 249; p. 614.
Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-gear. No. 1,255,187; Feb. 5; v. 247; p. 22.
Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction draft-gear. No. 1,278,360; Sept. 10; v. 254; p. 305.
Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging. No. 1,283,536; Nov. 5; v. 256; p. 26.
Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car draft-rigging. No. 1,284,722; Nov. 12; v. 256; p. 361.
Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable draw-bar and yoke connection. No. 1,286,669; Dec. 3; v. 257; p. 118.
Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. High-capacity spring-gear. No. 1,288,625; Dec. 24; v. 257; p. 695.
Lewis, Harry, assignor of one-half to F. H. Heckert, Ferney, S. D. Harrow. No. 1,287,363; Dec. 10; v. 257; p. 326.
Lewis, Harry F., Urbana, Ill., and H. D. Gibbs, San Francisco, Cal. Manufacture of phenanthraquinone. No. 1,288,431; Dec. 17; v. 257; p. 618.
Lewis, Harry H., assignor to The Lewis Speed Governor Company, Portland, Oreg. Audible speed-indicator for rotating mechanism. No. 1,261,825; Apr. 9; v. 249; p. 268.
Lewis, Harry, W. R. Scott, and C. Dell, assignors to Pittsburgh Automatic Heat Regulator Company, Pittsburgh, Pa. Heat-regulating system. No. 1,265,927; May 14; v. 250; p. 321.

Lewis, Harvey M., Buffalo, N. Y. Puzzle. No. 1,287,709; Dec. 17; v. 257; p. 442.
Lewis, Isabel L., Syracuse, N. Y. Dish and silverware drainer. No. 1,270,631; June 25; v. 251; p. 786.
Lewis, James N., assignor to W. L. Wilson, trustee, Detroit, Mich. Apparatus for extracting metal from ores. No. 1,265,459; May 7; v. 250; p. 162.
Lewis, James N., Detroit, Mich., assignor to O. H. Fay, trustee, Chicago, Ill. Captive-balloon controller and conveyer. No. 1,275,710; Aug. 13; v. 253; p. 407.
Lewis, James W., assignor of one-half to R. Boykin, Boley, Okla. Road-map system and apparatus. No. 1,272,817; July 16; v. 252; p. 641.
Lewinson, Jerome, New York, N. Y. Easel-carton. No. 1,269,621; June 18; v. 251; p. 484.
Lewis, Jerry, Little Rock, Ark. Burner-controlling mechanism. No. 1,252,707; Jan. 8; v. 246; p. 400.
Lewis, Jesse, Cherokee, Iowa. Horseshoe-calk. No. 1,280,499; Oct. 1; v. 255; p. 107.
Lewis, Joel R., assignor of one-fourth to J. W. Davis, Youngstown, Ohio. Liquid-feeding device. No. 1,285,256; Nov. 19; v. 256; p. 535.
Lewis, John A., assignor to Tygart Valley Glass Company, Grafton, W. Va. Device for removing rings from glassware. No. 1,272,971; July 16; v. 252; p. 683.
Lewis, John F., Comanche, Okla. Perch. No. 1,255,898; Feb. 12; v. 247; p. 267.
Lewis, John G., St. Louis, Mo. Work-handling mechanism for blindstitch sewing-machines. No. 1,254,818; Jan. 29; v. 246; p. 1091.
Lewis, John H., Chicago, assignor of one-half to L. G. Kunzer, Oak Park, Ill. Locomotive noiseless smoke-consumer. No. 1,273,885; July 30; v. 252; p. 993.
Lewis, John M. B., Lynchburg, Va. Drinking apparatus. No. 1,282,886; Oct. 29; v. 255; p. 883.
Lewis, John Z., Ingraham, Ill. Seed-separating device. No. 1,278,951; Sept. 17; v. 254; p. 494.
Lewis, Lawrence. (See Sainteve and Lewis.)
Lewis, Leroy M., Merion, Pa. Retarding-valve. No. 1,252,457; Jan. 8; v. 246; p. 327.
Lewis, Leslie H., Claremont, N. H. Combination measuring instrument. No. 1,253,399; Jan. 15; v. 246; p. 635.
Lewis, Lloyd V., Edgewood borough, assignor to The Union Switch and Signal Company, Swissvale, Pa. Speed-controlling apparatus for railway-vehicles. (Reissue.) No. 14,481; June 11; v. 251; p. 437.
Lewis, Lloyd V., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit-controller. No. 1,272,972; July 16; v. 252; p. 684.
Lewis, Lloyd V., Edgewood borough, assignor to The Union Switch and Signal Company, Swissvale, Pa. Speed-controlling apparatus for railway-vehicles. No. 1,280,500; Oct. 1; v. 255; p. 108.
Lewis, Louis, London, England. Stencil-producing plate. No. 1,286,363; Dec. 3; v. 257; p. 44.
Lewis M. Weed Co. (See Beard, James C., assignor.)
Lewis Manufacturing Company. (See Lewis, Dean C., assignor.)
Lewis, Maurice, Paducah, Ky. Swivel-chain. No. 1,273,241; July 23; v. 252; p. 782.
Lewis, Paul M., Velpen, Ind. Combination furniture. No. 1,269,102; June 11; v. 251; p. 309.
Lewis, Reginald G., and H. Brooker, London, England. Delivery mechanism for coin-freed apparatus and the like. No. 1,281,602; Oct. 15; v. 255; p. 466.
Lewis, Reginald G., and H. Brooker, London, England. Coin-freed apparatus and the like. No. 1,282,436; Oct. 22; v. 255; p. 732.
Lewis, Robert A., and E. C. Weisgerber, Pittsburgh, Pa. Electric fuse. No. 1,262,683; Apr. 16; v. 249; p. 535.
Lewis, Robert C., Medical Lake, Wash. Animal-trap. No. 1,283,232; Oct. 29; v. 255; p. 977.
Lewis, Robert E., Moultrie, Ga. Reinforced-cement fence-post and anchor-block for wire fences. No. 1,265,460; May 7; v. 250; p. 162.
Lewis, Rollin C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lever-handle for safe-doors. No. 1,271,331; July 2; v. 252; p. 163.
Lewis, Rollin C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Time-lock movement. No. 1,283,233; Oct. 29; v. 255; p. 977.
Lewis, Rollin C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Dial for combination-locks. No. 1,286,035; Nov. 26; v. 256; p. 771.
Lewis, Rollin C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Permutation lock device. No. 1,286,670; Dec. 3; v. 257; p. 118.
Lewis, Roy A., and W. J. Thomas, Bethlehem, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Apparatus for treating steel rails. No. 1,285,750; Nov. 26; v. 256; p. 699.
Lewis, Roy A., W. R. Shimer, and W. J. Thomas, Bethlehem, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Treatment of steel rails. No. 1,285,748; Nov. 26; v. 256; p. 699.
Lewis, Roy A., W. R. Shimer, and W. J. Thomas, Bethlehem, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Steel rail. No. 1,285,749; Nov. 26; v. 256; p. 699.
Lewis, Samuel H., Richmond, Va. Power reverse-gear. No. 1,252,458; Jan. 8; v. 246; p. 327.
Lewis, Samuel H., Richmond, Va. Pressure-operated valve-gear-shifting mechanism. No. 1,252,459; Jan. 8; v. 246; p. 328.
Lewis, Seneca G., Greensburg, Pa. Rubber-coated cord. No. 1,279,718; Sept. 24; v. 254; p. 726.
Lewis, Seneca G., Greensburg, Pa. Tennis-racket and the like. No. 1,279,719; Sept. 24; v. 254; p. 726.
Lewis, Seneca G., Greensburg, Pa. Tennis-racket and the like. No. 1,279,720; Sept. 24; v. 254; p. 726.
Lewis Speed Governor Company, The. (See Lewis, Harry H., assignor.)
Lewis, Thomas, Frankfort Heights, Ill. Coal-mine trap-door. No. 1,272,468; July 16; v. 252; p. 540.
Lewis, Thomas J., Argoed, England. Securing means. No. 1,256,706; Feb. 19; v. 247; p. 542.
Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,259,882; Mar. 19; v. 248; p. 627.
Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,259,883; Mar. 19; v. 248; p. 627.
Lewis, William, Norfolk, Va. Mail-delivery apparatus. No. 1,251,980; Jan. 1; v. 246; p. 158.
Lewis, William, Utica, N. Y. Bed-spring. No. 1,262,813; Apr. 16; v. 249; p. 572.
Lewis, William, Utica, N. Y. Spring seat or bed. No. 1,262,814; Apr. 16; v. 249; p. 572.
Lewis, William, Utica, N. Y. Spring-mattress. No. 1,284,384; Nov. 12; v. 256; p. 278.
Lewis, William, Reynolds, Mo. Grappling-tool. No. 1,278,361; Sept. 10; v. 254; p. 305.
Lewis, William A., Colbert, Okla. Truck. No. 1,261,945; Apr. 9; v. 249; p. 301.
Lewis, William A., and L. C. Eisenhart, Silver City, Idaho. Movable book-support. No. 1,258,230; Mar. 5; v. 248; p. 81.
Lewis, William H., Westfield, Pa. Silo-door hinge. No. 1,256,144; Feb. 12; v. 247; p. 340.
Lewis, William J., Dunlap, Kans. Window-screen. No. 1,251,981; Jan. 1; v. 246; p. 159.
Lewis, William K., Denver, Colo. Beet-digging machine. No. 1,287,710; Dec. 17; v. 257; p. 442.
Lewis, William M., Lake Forest, Ill. Receptacle for bottles. No. 1,280,501; Oct. 1; v. 255; p. 108.
Lewison, Lewis, Hamilton, Ontario, Canada. Apparatus for the manufacture of ice-cream cones. No. 1,289,209; Dec. 31; v. 257; p. 860.
Lewites, Samuel N., New York, N. Y. Preparing immature vegetables for food. No. 1,261,412; Apr. 2; v. 249; p. 120.
Lewitzky, Lottie, Philadelphia, Pa. Baking-pan. No. 1,261,566; Apr. 2; v. 249; p. 164.
Lewkowicz, Ladis, assignor to Convertible Automobile Body Corporation, New York, N. Y. Vehicle. No. 1,256,239; Feb. 12; v. 247; p. 370.
Lewkowicz, Ladis, New York, N. Y. Vehicle. No. 1,288,065; Dec. 17; v. 257; p. 531.
Leyes, Charles J., Jersey City, N. J. Apparatus for treating certain mineral or chemical products. No. 1,270,307; June 25; v. 251; p. 696.
Leyh, Henry, Bertha, Minn. Washbasin-bracket. No. 1,268,256; June 4; v. 251; p. 52.
Leyner, John G., Larkspur, Colo. Endless automatic track-laying and ground-treading power-operated traction-engine. No. 1,254,819; Jan. 29; v. 246; p. 1091.
Leyrer, Frederick J., and W. C. Ranscht, Milwaukee, Wis., assignors to Spitfire Gas Lighter Co. Flash-lighter bell. No. 1,259,535; Mar. 19; v. 248; p. 528.
Leyva, Lisandro, Neuilly-sur-Seine, France. Apparatus for use in reducing fractures of the arm. No. 1,286,036; Nov. 26; v. 256; p. 771.
Leys, James D. (See Klemm, Hermann A., assignor.)
Lezcano y Nerey, Gustavo, Habana, Cuba. Vehicle-wheel tire. No. 1,283,268; Oct. 29; v. 255; p. 985.
Lezius, Max, Cleveland, Ohio. Automatic damper for stoves and furnaces. No. 1,272,064; July 9; v. 252; p. 402.
Liady, Fred G., Fullerton, Cal. Interlocking pipe-weld. No. 1,260,690; Mar. 26; v. 248; p. 896.
Libby, Albion D. T., East Orange, assignor to Splitdorf Electrical Company, Newark, N. J. Magnetic clutch. No. 1,283,825; Nov. 5; v. 256; p. 102.
Libby, Albion D. T., East Orange, and E. J. Tomlinson, assignors to Splitdorf Electrical Company, Newark, N. J. Electromagnetic structure. No. 1,275,572; Aug. 13; v. 253; p. 369.
Libby, Ernest E., and E. F. Logan, Lynn, Mass., assignors to The Barrett Company. Bottom-filling shoes and the like. No. 1,283,234; Oct. 29; v. 255; p. 977.
Libby, George H., *et al.* (See McCaffrey, Thomas J., assignor.)
Libby, McNiel & Libby. (See Hutton, Frank O., assignor.)
Liberman, Bernard, Philadelphia, Pa. Cigar-maker's table. No. 1,271,332; July 2; v. 252; p. 163.
Liberto, Samuel, San Antonio, Tex. Attachment for coffee-roasters. No. 1,256,336; Feb. 12; v. 247; p. 399.
Liberty Accessories Corporation. (See Raff, Ernest G., assignor.)
Liberty Aeroil Burner. (See Rider, Herbert E., assignor.)
Liberty Map Cabinet Company. (See Fanning, Samuel H., assignor.)

Liberty Tire Company. (See Harloe, Morton, assignor.)
Lichetti, Lafayette A. R., Philadelphia, Pa. Combination drawers and abdominal bandage or support. No. 1,286,037; Nov. 26; v. 256; p. 771.
Lichtenberg, Erich H., assignor to Koehring Machine Company, Milwaukee, Wis. Bar-bender. No. 1,264,097; Apr. 23; v. 249; p. 948.
Lichtenberg, Erich H., assignor to Koehring Machine Company, Milwaukee, Wis. Portable conveyer. No. 1,273,886; July 30; v. 252; p. 993.
Lichtenberg, Erich H., assignor to Koehring Machine Company, Milwaukee, Wis. Loading and measuring apparatus. No. 1,287,711; Dec. 17; v. 257; p. 442.
Lichtensteiger, Henry D., Campbellsport, Wis. Level. No. 1,280,253; Oct. 1; v. 255; p. 39.
Lichtenstein, Alexander, Brooklyn, N. Y. Dumping-car. No. 1,268,588; June 4; v. 251; p. 147.
Lichtenstein, David, Boston, Mass. Hose-supporter. No. 1,288,939; Dec. 24; v. 257; p. 770.
Lichtenstein, Edwin, New York, N. Y. Feeding device for ironing-machines. No. 1,267,779; May 28; v. 250; p. 891.
Lichtenstein, Henry E., Woodmere, assignor of one-half to C. G. Hensley, Brooklyn, and S. K. Lichtenstein, New York, N. Y. Photographic apparatus. No. 1,275,573; Aug. 13; v. 253; p. 369.
Lichtenstein, Louis, Wilmington, Del. Toilet-powder dispenser. No. 1,285,257; Nov. 19; v. 256; p. 535.
Lichtenstein, Solomon K., *et al.* (See Lichtenstein, Henry E., assignor.)
Lichtenthaeler, Frank E., Newton Highlands, Mass. Liquid-lift. No. 1,279,558; Sept. 24; v. 254; p. 680.
Lichthardt, George H. P. (See Warman, John E., assignor.)
Lichy, Joseph, Avon, Minn. Hay-rack. No. 1,255,899; Feb. 12; v. 247; p. 268.
Lickfett, Herbert. (See Greulich and Lickfett.)
Lickley, Ralph M., East Cleveland, assignor, by mesne assignments, to The Talmage Manufacturing Company, Cleveland, Ohio. Locomotive drifting device. No. 1,275,055; Aug. 6; v. 253; p. 203.
Lickley, Ralph M., East Cleveland, assignor, by mesne assignments, to The Talmage Manufacturing Company, Cleveland, Ohio. Smoke-abating system for locomotives. No. 1,275,056; Aug. 6; v. 253; p. 203.
Lidberg, Oscar J. (See Geraghty, Helen L., assignor.)
Lidberg, Tiodolf, Chicago, Ill. Electrotherapeutic instrument. No. 1,272,469; July 16; v. 252; p. 540.
Lidberg, Tiodolf, Chicago, Ill. Therapeutic instrument. No. 1,280,052; Sept. 24; v. 254; p. 821.
Liddell, Nathaniel M., Danville, Ill. Paving-machine. No. 1,276,086; Aug. 20; v. 253; p. 544.
Liddy, Earl G., Arkansaw, Wis. Sled attachment for motor-vehicles. No. 1,261,567; Apr. 2; v. 249; p. 164.
Lide, Martin J., Birmingham, Ala. Mine ventilation. No. 1,280,254; Oct. 1; v. 255; p. 39.
Lidgerwood Manufacturing Company. (See Miller and Ruggles, assignors.)
Lie, Egil, Odda, Norway. Producing a phosphoric-acid fertilizer containing urea. No. 1,275,276; Aug. 13; v. 253; p. 288.
Lieb, John J., Faribault, Minn. Corn-spoon. No. 1,263,780; Apr. 23; v. 249; p. 861.
Lieb, John M. (See Allen and Lieb.)
Liebau, Richard, New Haven, Conn., assignor to The Westinghouse Air Spring Company. Supplemental spring. No. 1,282,887; Oct. 29; v. 255; p. 883.
Liebegott, George H. (See Sloan and Liebegott.)
Lieber, Carl H., assignor to The H. Lieber Company, Indianapolis, Ind. Picture-frame and base. No. 1,256,337; Feb. 12; v. 247; p. 399.
Lieber, Carl H., assignor to The H. Lieber Company, Indianapolis, Ind. Picture-frame leg. No. 1,266,694; May 21; v. 250; p. 563.
Lieber, Eli, Knoxville, Tenn. Ballot-cabinet. No. 1,277,959; Sept. 3; v. 254; p. 172.
Lieber, Jean, Lausanne, Switzerland. Liquid-fuel burner. No. 1,254,145; Jan. 22; v. 246; p. 867.
Lieber, William, Booneville, assignor of three-fifths to D. A. Ruebel, St. Louis, Mo. Animal-feeder. No. 1,282,092; Oct. 22; v. 255; p. 638.
Lieber, William H., West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Trimmer-saw. No. 1,279,721; Sept. 24; v. 254; p. 726.
Lieber, William H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. No. 1,286,671; Dec. 3; v. 257; p. 118.
Lieberman, Moses, assignor to F. & L. Manufacturing Co., West Orange, N. J. Sifter. No. 1,260,409; Mar. 26; v. 248; p. 812.
Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Making alkali perborates. No. 1,253,060; Jan. 8; v. 246; p. 504.
Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Making alkali perborates. No. 1,253,061; Jan. 8; v. 246; p. 505.
Liebknecht, Otto, Frankfort-on-the-Main, Germany. Producing hydrogen peroxid. No. 1,262,589; Apr. 9; v. 249; p. 480.
Liebknecht, Otto, Frankfort-on-the-Main, Germany. Production of percarbonates. No. 1,263,258; Apr. 16; v. 249; p. 697.
Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Electrolytic process of making alkali perborates. No. 1,268,369; June 4; v. 251; p. 85.
Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Making alkali perborates. No. 1,281,983; Oct. 15; v. 255; p. 567.
Liebmann, Adolf. (See Dewar and Liebmann.)
Liebmann, August G., Chicago, Ill. Composite adjustable rail-chair. No. 1,279,722; Sept. 24; v. 254; p. 727.
Liebmann, August G., Chicago, Ill. Rail-chair. No. 1,279,723; Sept. 24; v. 254; p. 727.
Liebmann, August G., Chicago, Ill. Rail-chair. No. 1,279,724; Sept. 24; v. 254; p. 728.
Liebmann, August G., Chicago, Ill. Rail-chair. No. 1,279,725; Sept. 24; v. 254; p. 728.
Liebmann, August G., Chicago, Ill. Rail-chair. No. 1,279,726; Sept. 24; v. 254; p. 728.
Liebmann, August G., Chicago, Ill. Rail-chair and rail-chair fastening. No. 1,279,727; Sept. 24; v. 254; p. 729.
Liebmann, August G., Chicago, Ill. Fastening device for rail-chairs. No. 1,279,728; Sept. 24; v. 254; p. 729.
Liebmann, August G., Chicago, Ill. Rail-chair. No. 1,279,729; Sept. 24; v. 254; p. 729.
Liebold, Ernest G., Detroit, Mich. Means for carrying out system for savings-accounts. No. 1,284,913; Nov. 12; v. 256; p. 411.
Liebowitz, Benjamin, New York, N. Y. Arc oscillation-generator. No. 1,271,183; July 2; v. 252; p. 122.
Liebs, Louis A., New York, N. Y. Display-stand. No. 1,280,775; Oct. 8; v. 255; p. 210.
Lieck, Charles, assignor of one-half to E. J. Burke, Great Neck, N. Y. Valve-lifter. No. 1,264,098; Apr. 23; v. 249; p. 948.
Liederman, Jacob H., St. Louis, Mo. Cap for headwear. No. 1,266,503; May 14; v. 250; p. 478.
Liedloff, Robert B., Spokane, Wash. Auxiliary brake mechanism. No. 1,254,246; Jan. 22; v. 246; p. 894.
Liedstrand, Karl E. L., Stockholm, Sweden. Cards adapted for statistic or similar purposes and apparatus for sorting the cards. No. 1,261,413; Apr. 2; v. 249; p. 120.
Lien, Albert, Bergen, Norway. Band-saw guide. No. 1,263,443; Apr. 23; v. 249; p. 771.
Lietzow, Frederick W., and O. F. Fleischer, Chicago, Ill., assignors to Merrell-Soule Company, Syracuse, N. Y. Desiccation process. No. 1,282,093; Oct. 22; v. 255; p. 638.
Life Saving Devices Company. (See Conrad, Paul A. R., assignor.)
Lifschütz, Isaac, Hamburg, Germany. Obtaining wax-like substances from lanolin. No. 1,252,591; Jan. 8; v. 246; p. 367.
Lifschütz, Isaac, Hamburg, Germany. Producing high-melting fatty acids and hydrophilous neutral products from wool-fat and other similar substances. No. 1,284,723; Nov. 12; v. 256; p. 361.
Lifschütz, Isaac, Hamburg, Germany. Obtaining oxycholesterin. No. 1,284,724; Nov. 12; v. 256; p. 362.
Lifshitz, Irving, New York, N. Y. Cloth-cutting machine. No. 1,272,818; July 16; v. 252; p. 641.
Liggett & Meyers Tobacco Co. (See De Montluzin and Lynn, assignors.)
Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Crusher. No. 1,268,479; June 4; v. 251; p. 117.
Liggitt, Robert, Durham, Ontario, Canada. Axle-arm. No. 1,255,029; Jan. 29; v. 246; p. 1151.
Light, Charles H. (See Broyles, Henry F., assignor.)
Light, Claus H., Des Moines, assignor of one-half to E. Sparling, Garden Grove, Iowa. Tire-protector and antiskid device. No. 1,277,226; Aug. 27; v. 253; p. 891.
Light, Irving G., German Valley, Ill. Egg-turner for incubators. No. 1,264,664; Apr. 30; v. 249; p. 1140.
Lightbody, Frank J., assignor to Cambridge Novelty Company, Cambridge, Mass. Hair-engaging bow-fastener. No. 1,287,712; Dec. 17; v. 257; p. 443.
Lightell, Adam, assignor of one-half to J. Murray, New Orleans, La. Spike-driving machine. No. 1,268,736; June 4; v. 251; p. 188.
Lightening Machine Co. (See Koehl, George J., assignor.)
Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Heating appliance. No. 1,283,440; Oct. 29; v. 255; p. 1031.
Lightning Seed Cutter Company. (See Cummings, John A., assignor.)
Ligon, Curtis M., Warren, Ariz. Wrench. No. 1,274,908; Aug. 6; v. 253; p. 161.
Lihme, Iens P., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of lead arsenate. No. 1,267,428; May 28; v. 250; p. 794.
Likins, Charles W., Oakland, Cal. Paper-hanging tool. No. 1,270,530; June 25; v. 251; p. 758.

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Likly, Henry, assignor to Henry Likly & Company, Rochester, N. Y. Trunk-drawer lock. No. 1,276,233; Aug. 20; v. 253; p. 584.
Liles, Leander W., Nacogdoches, Tex. Windmill. No. 1,256,338; Feb. 12; v. 247; p. 399.
Liljenroth, Frans G. Westerås, Sweden. Continuous-current generator. No. 1,256,912; Feb. 19; v. 247; p. 603.
Lillard, William W., Irvington, assignor of one-half to E. J. King, Jersey City, N. J. Warmer for footwear. No. 1,275,451; Aug. 13; v. 253; p. 336.
Lilley, Parez B., Prosser, Nebr. Feeding-trough. No. 1,276,087; Aug. 20; v. 253; p. 544.
Lilley, Steave S., Francis, Okla. Churn-dasher. No. 1,258,025; Mar. 5; v. 248; p. 23.
Lillie, Edward M. (See Jones, Lane, and Lillie.)
Lillie, William J. (See Derr, William R., assignor.)
Lillig, George V. (See Millhouse, Henry, assignor.)
Lillkull, Joseph H., Burntranch, Cal. Power-transmission mechanism. No. 1,288,066; Dec. 17; v. 257; p. 531.
Lillquist, Axel, Mullan, Idaho. Rotary engine. No. 1,253,062; Jan. 8; v. 246; p. 505.
Lillquist, Victor. (See Ellingsen and Lillquist.)
Lillquist, Victor A., Superior, Wis. Railway-crossing gate. No. 1,254,611; Jan. 22; v. 246; p. 1000.
Lilly, Andrew J., Glen Morgan, W. Va. Electric switch. No. 1,254,820; Jan. 29; v. 246; p. 1092.
Lilly, Joseph, Small Health, Birmingham, England. Controlling-spring for doors and the like. No. 1,274,429; Aug. 6; v. 253; p. 25.
Lily Cup Company, The. (See Hogan, Thomas L., assignor.)
Limbach, Curtis A., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Cover for electric-lamp sockets. No. 1,255,030; Jan. 29; v. 246; p. 1151.
Limont, Alexander W., assignor to Bridgeport Brass Company, Bridgeport, Conn. Apparatus for making projectile-bands and the like. No. 1,266,963; May 21; v. 250; p. 637.
Limont, Alexander W., assignor to Bridgeport Brass Company, Bridgeport, Conn. Making projectile-bands. No. 1,274,359; July 30; v. 252; p. 1124.
Limont, Alexander W., assignor to Bridgeport Brass Company, Bridgeport, Conn. Making projectile-bands. No. 1,275,057; Aug. 6; v. 253; p. 203.
Linaker, Frederick W., assignor, by mesne assignments, to The Vulcan Soot Cleaner Co., Dubois, Pa. Soot-cleaner for water-tube boilers. No. 1,279,382; Sept. 17; v. 254; p. 610.
Linbarger, Silas C., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory article and making the same. No. 1,277,227; Aug. 27; v. 253; p. 891.
Lincoln, Charles S., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Portable crusher. No. 1,257,619; Feb. 26; v. 247; p. 845.
Lincoln Electric Company, The. (See Lincoln, James F., assignor.)
Lincoln, James F., assignor to The Lincoln Electric Company, Cleveland, Ohio. Charging system for storage batteries. No. 1,260,218; Mar. 19; v. 248; p. 722.
Lincoln, John C., Cleveland, Ohio. Electrical bond for railway-rails. No. 1,261,140; Apr. 2; v. 249; p. 42.
Lincoln, John C., Cleveland, Ohio. Uniting railway-rails. No. 1,281,402; Oct. 15; v. 255; p. 414.
Lincoln, Leo B. (See Laird, Guy M., assignor.)
Lincoln, Paul M., Pittsburgh, Pa. Electric wattmeter. No. 1,258,346; Mar. 5; v. 248; p. 114.
Lincoln, Paul M., Pittsburgh, Pa. Electric recording and integrating device. No. 1,273,102; July 16; v. 252; p. 718.
Lincoln, Paul M., Pittsburgh, Pa. Engine-starter. No. 1,280,776; Oct. 8; v. 255; p. 210.
Lincoln, Purd J., Birmingham, Ala. Electric iron. No. 1,289,210; Dec. 31; v. 257; p. 861.
Lincoln Steel & Forge Company. (See Barks and Krieger, assignors.)
Lincoln, Walter E., Belvidere, Ill. Power-generator. No. 1,288,940; Dec. 24; v. 257; p. 770.
Lind, Arvid A., Stockholm, Sweden. Rotary engine and pump. No. 1,277,436; Sept. 3; v. 254; p. 29.
Lind, Arvid A., Stockholm, Sweden. Rotary engine. No. 1,277,437; Sept. 3; v. 254; p. 30.
Lind, Herman H., Lakewood, and D. K. Swartwout, Mayfield Heights, Ohio. Ventilator. No. 1,271,333; July 2; v. 252; p. 163.
Lind, John L., Baudette, Minn. Bowling-alley. No. 1,287,364; Dec. 10; v. 257; p. 326.
Lindberg, Bror K. and A. F. Hörlin, Stockholm, Sweden. Floor-covering. No. 1,257,503; Feb. 26; v. 247; p. 811.
Lindberg, Charles A., assignor of one-third to J. F. Jewett and one-third to L. R. Hawkins, Sturgis, Mich. Staple-fastener. No. 1,264,948; May 7; v. 250; p. 21.
Lindberg, Claes A., and J. Hindley, New Bedford, Mass. Stop mechanism for combing-machines. No. 1,265,794; May 14; v. 250; p. 282.
Lindberg, Frank P., *et al.* (See Conard, Abraham N., assignor.)
Lindberg, Isaac, Bowbells, N. D. Grain-scoop. No. 1,266,833; May 21; v. 250; p. 601.
Lindberg, Sven, Galesburg, Ill. Water-evaporator. No. 1,262,068; Apr. 9; v. 249; p. 333.
Lindblad, Axel R., Ludvika, Sweden. Production of cyanogen compounds. No. 1,264,949; May 7; v. 250; p. 21.
Lindbladh, Harmon F., Boston, Mass. Feeding apparatus. No. 1,258,026; Mar. 5; v. 248; p. 23.
Lindbladh, Harmon E., Boston, Mass. Indicating mechanism for feeding apparatus. No. 1,258,027; Mar. 5; v. 248; p. 23.
Linde Air Products Company, The. (See Gougnard, Henri C. L., assignor.)
Linde Air Products Company, The. (See Haynes and Thompson, assignors.)
Lindemann, Albert J. (See Brennan and Lindemann.)
Lindemann, Walter, Peotone, Ill. Oats-saver. No. 1,282,701; Oct. 22; v. 255; p. 804.
Lindemann, William G., Milwaukee, Wis. Cushion-tire. No. 1,273,887; July 30; v. 252; p. 994.
Linden, John E., Duluth, Minn. Spool for photographic films. No. 1,261,946; Apr. 9; v. 249; p. 301.
Linden, Lucien, Putney, London, England, assignor to W. J. Stewart, Belfast, Ireland. Apparatus for purifying water. No. 1,276,234; Aug. 20; v. 253; p. 585.
Linden, Victor, Hollister, Cal. Traction-wheel. No. 1,284,385; Nov. 12; v. 256; p. 278.
Linden, William, Prescott, assignor of one-half to B. F. Goodwin, Phoenix, Ariz. Calipers and dividers. No. 1,287,056; Dec. 10; v. 257; p. 248.
Lindenberg, Carl R., Columbus, Ohio, assignor to The M. C. Lilley & Company. Legging. No. 1,284,386; Nov. 12; v. 256; p. 278.
Lindenberg, Christopher C., Reading, Mass. Music-leaf turner. No. 1,259,250; Mar. 12; v. 248; p. 413.
Lindenberg, Christopher C., Reading, Mass. Theater-seat construction. No. 1,259,754; Mar. 19; v. 248; p. 590.
Lindenberg, Herman, Jr., Woodcliffe on Hudson, N. J. Game apparatus. No. 1,262,218; Apr. 9; v. 249; p. 376.
Lindenberg, Louis. (See Glasgow, Daneil, assignor.)
Lindenmuth, Henry W. (See Hargis and Lindenmuth.)
Linder, Walter W., Cooleemee, N. C., assignor, by mesne assignments, to Terrell Machine Company. Machine for cleaning bobbins. No. 1,273,075; July 16; v. 252; p. 711.
Linderman, Bert A., Muskegon, Mich. Woodworking-machine. No. 1,279,559; Sept. 24; v. 254; p. 681.
Linderme, Emil, assignor to E. Schwarz, Detroit, Mich. Bottle-washing brush. No. 1,274,909; Aug. 6; v. 253; p. 162.
Linderme, Theodore G., Detroit, Mich. Bottle-cover-placing machine. No. 1,252,460; Jan. 8; v. 246; p. 328.
Lindgren, Bror J., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Drawing-press. No. 1,268,370; June 4; v. 251; p. 85.
Lindgren, Fred O., Ridgway, Pa. Union check-valve. No. 1,286,672; Dec. 3; v. 257; p. 118.
Lindgren, Hans O., assignor to Aktiebolaget Separator, Stockholm, Sweden. Lubricating device for turbine-driven centrifugal machines. No. 1,253,400; Jan. 15; v. 246; p. 635.
Lindhé, Roland W., Moscow, Russia, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenberg, Sweden. Ball-retainer for ball-bearings. No. 1,254,332; Jan. 22; v. 246; p. 920.
Lindhorst, Frederick. (See Horn and Lindhorst.)
Lindhorst, George H. W., Nisqually, Wash. Automobile-truck. No. 1,273,076; July 16; v. 252; p. 712.
Lindhorst, George H. W., Nisqually, Wash. Automobile brake mechanism. No. 1,280,502; Oct. 1; v. 255; p. 108.
Lindmeier, Frederick and J., Oak Park, Ill. Humidifier. No. 1,273,888; July 30; v. 252; p. 994.
Lindmeier, Frederick and J., Oak Park, Ill. Humidifier. No. 1,278,952; Sept. 17; v. 254; p. 494.
Lindmeier, Justus. (See Lindmeier, Frederick and J.)
Lindner, William F., Richmond, Va. Wire-basket attachment. No. 1,282,094; Oct. 22; v. 255; p. 638.
Lindquist, Abel S., Springdale, Pa. Attachment for combination-squares. No. 1,273,510; July 23; v. 252; p. 854.
Lindquist, Albert V., Alexandria, Minn. Trap. No. 1,256,339; Feb. 12; v. 247; p. 399.
Lindquist, David L., and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Motor-controlling apparatus. No. 1,253,063; Jan. 8; v. 246; p. 505.
Lindquist, David L., and C. B. Manville, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Controlling system. No. 1,283,826; Nov. 5; v. 256; p. 102.
Lindquist, David L., Yonkers, N. Y., and F. Hymans, Glen Ridge, assignors to Otis Elevator Company, Jersey City, N. J. Elevator. No. 1,283,827; Nov. 5; v. 256; p. 102.
Lindquist, David L., and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Time-limit relay. No. 1,288,626; Dec. 24; v. 257; p. 695.
Lindquist, Ernest W., Lawrence, Mass. Save-all. No. 1,270,422; June 25; v. 251; p. 727.
Lindquist, Gustave F., assignor to Union Special Machine Company, Chicago, Ill. Power-transmitting device. No. 1,276,379; Aug. 20; v. 253; p. 626.
Lindroth, Oscar E., Los Angeles, Cal. Broiler. No. 1,263,331; Apr. 16; v. 249; p. 716.

Lindsay, Alexander P. (See Canfield, Clair C., assignor.)
Lindsay Auto Parts Company. (See Heany, John A., assignor.)
Lindsay Auto Parts Company. (See Lindsay, Thomas J., assignor.) (Reissue.)
Lindsay, Charles W., Houston, Tex. Single-trigger mechanism for double-barrel guns. No. 1,261,414; Apr. 2; v. 249; p. 120.
Lindsay, George A., Newton, Iowa. Rifle-bead. No. 1,254,418; Jan. 22; v. 246; p. 944.
Lindsay, George W., Denver, Colo. Oil-burner. No. 1,257,896; Feb. 26; v. 247; p. 926.
Lindsay, Joseph G., Bartlesville, Okla. Shock-absorber for drilling-rigs. No. 1,264,131; Apr. 23; v. 249; p. 956.
Lindsay, Thomas J., Indianapolis, Ind., assignor to Lindsay Auto Parts Company. Driving-axle. (Reissue.) No. 14,461; Apr. 23; v. 249; p. 958.
Lindsay, Walter L., Chicago, Ill. Universal joint. No. 1,277,960; Sept. 3; v. 254; p. 172.
Lindsay, William, Chicago, Ill. Agitating device. No. 1,267,562; May 28; v. 250; p. 830.
Lindsay, William, Chicago, Ill. Sound-reproducer. No. 1,285,258; Nov. 19; v. 256; p. 535.
Lindsay, William, assignor to L. Wolff Manufacturing Company, Chicago, Ill. Enameling-powder distributer. No. 1,273,632; July 23; v. 252; p. 887.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Acetyl cellulose and making the same. No. 1,265,216; May 7; v. 250; p. 95.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Compound of acetyl cellulose and process. No. 1,265,217; May 7; v. 250; p. 95.
Lindsay, William J., Philadelphia, Pa., assignor to Camden Iron Works, Camden, N. J. Coal-feeder for gas-producers. No. 1,256,340; Feb. 12; v. 247; p. 400.
Lindsey, Mary E., New Orleans, La. Unsinkable ship. No. 1,264,311; Apr. 30; v. 249; p. 1041.
Lindsey, William N., Claude, Tex. Drain-valve for well-pipes. No. 1,267,093; May 21; v. 250; p. 674.
Lindström, Charles A., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Discharge-door-operating mechanism. No. 1,271,334; July 2; v. 252; p. 163.
Lindstrom, Frank R., Milaca, Minn. Harpoon-fork. No. 1,272,686; July 16; v. 252; p. 603.
Lindstrom, Nils O., Nutley, N. J., assignor to A. B. See, Brooklyn, N. Y. Safety-stop for elevators. No. 1,258,127; Mar. 5; v. 248; p. 52.
Lindstrom, Smith Company. (See Endorf, Charles, Jr., assignor.)
Lineatime Mfg. Co. (See Bishop, Thomas H., assignor.)
Lineatime Manufacturing Company. (See Punnett, Reuben A., assignor.)
Linehan, Edward E., St. Paul, Minn. Extensible support. No. 1,278,177; Sept. 10; v. 254; p. 255.
Linendoll, Orrin J. (See Million, Manfred, assignor.)
Linfoot, Theodosia E., Lambert, Okla. Animal nose-yoke. No. 1,275,277; Aug. 13; v. 253; p. 288.
Lingo, William T., Philadelphia, Pa. Work-holding mechanism for lathes and the like. No. 1,252,274; Jan. 1; v. 246; p. 241.
Link-Belt Company. (See Eilersgaard, Asger, assignor.)
Link-Belt Company. (See Hayward, Henry E., assignor.)
Link-Belt Company. (See Hetzel, Frederic V., assignor.)
Link-Belt Company. (See Johnston, Arthur C., assignor.)
Link-Belt Company. (See Morrow, James B., assignor.)
Link-Belt Company. (See Petersen and Sayers, assignors.)
Link-Belt Company. (See Pierce, Harold S., assignor.)
Link-Belt Company. (See Pratt, Howell D., assignor.)
Link-Belt Company. (See Rapp, Axel G. J., assignor.)
Link-Belt Company. (See Spencer, Owen H., assignor.)
Link-Belt Company. (See Spencer and Oakes, assignors.)
Link-Belt Company. (See Valentine, Herbert S., assignor.)
Link-Belt Company. (See Weiss, Charles R., assignor.)
Link, Eugene B. (See Royer, William B., assignor.)
Link, Oliver L., St. Charles, Mo. Trap-door. No. 1,265,686; May 7; v. 250; p. 220.
Linke, Joseph M., Utica, N. Y. Tweezers. No. 1,286,673; Dec. 3; v. 257; p. 119.
Linkhart, Earl G. and R. H., North Vernon, Ind. Separator and grader. No. 1,265,687; May 7; v. 250; p. 221.
Linkhart, Ralph H. (See Linkhart, Earl G. and R. H.)
Linn, George R. (See Bull, Lionel, assignor.)
Linn, Holman H., Morris, N. Y. Tractor. No. 1,270,531; June 25; v. 251; p. 759.
Linn, Samuel S., Alta Loma, Tex. Medical preparation. No. 1,284,117; Nov. 5; v. 256; p. 180.
Linn, Thomas C., Jr., Salisbury, N. C., and J. P. Butt, Jr., Gettysburg, Pa. Balanced hinged top for cabinets and other receptacles. No. 1,266,834; May 21; v. 250; p. 602.
Linn, William, Philadelphia, Pa. Handhold for cars. No. 1,274,063; July 30; v. 252; p. 1043.
Linneros, Alfred E., Chicago, Ill. Undergarment. No. 1,263,576; Apr. 23; v. 249; p. 806.
Linnett, Edgar B., assignor to Searls Manufacturing Company, Newark, N. J. Wardrobe-trunk clothes-carrier. No. 1,272,819; July 16; v. 252; p. 642.
Lindstrom, John T., Allentown, Pa. Valve for internal-combustion engines. No. 1,282,602; Oct. 22; v. 255; p. 777.
Linotype and Machinery Limited. (See Pearce and Spence, assignors.)
Lins, John F., San Francisco, Cal. Extractor. No. 1,266,030; May 14; v. 250; p. 349.
Linsley, Earl T., Alexandria, S. D. Device for use in assorting checks and other papers. No. 1,264,824; Apr. 30; v. 249; p. 1182.
Linstrom, John A., Bancroft, Nebr. Latch and latch-operating mechanism. No. 1,280,777; Oct. 8; v. 255; p. 210.
Linton, Sidney J., Groveland, N. Y. Hose-clamp. No. 1,270,960; July 2; v. 252; p. 59.
Lintz & Eckhardt. (See Unger, Hugo, assignor.)
Linville, Albert L., Columbus, Ohio. Spiral conveyer. No. 1,286,674; Dec. 3; v. 257; p. 119.
Linville, Robert W., Oceanpark, Cal. Pneumatic vehicle-tire. No. 1,264,100; Apr. 23; v. 249; p. 949.
Linz, George, *et al.* (See Lewis, Benjamin F., assignor.)
Linz, John, *et al.* (See Lewis, Benjamin F., assignor.)
Liolios, Stephanos, Charleston, Mo. Lasting-nail. No. 1,289,832; Dec. 31; v. 257; p. 1014.
Lions Acetylene Gas Light Company, The. (See Campbell, Charles W., assignor.)
Lipinski, Anton V., Zurich, Switzerland. Method and apparatus for carrying out chemical reactions by means of magnetically-spread-out electric arcs. No. 1,281,604; Oct. 15; v. 255; p. 467.
Lipkowski, Joseph de, Paris, France. Repeating accelerator for compressed-air brakes. No. 1,274,290; July 30; v. 252; p. 1106.
Lipman Air Appliance Company. (See Lipman, Carl E. L., assignor.)
Lipman, Carl E. L., Beloit, Wis. Air-compressor system. No. 1,261,041; Apr. 2; v. 249; p. 15.
Lipman, Carl E. L., assignor to Lipman Air Appliance Company, Beloit, Wis. Load-releaser. No. 1,264,665; Apr. 30; v. 249; p. 1140.
Lipowski, Zygmunt, Hoboken, N. J. Box-making machine. No. 1,279,730; Sept. 24; v. 254; p. 730.
Lipp, Desider, New York, N. Y. Removable window-bracket. No. 1,275,574; Aug. 13; v. 253; p. 369.
Lipp, Desider, Bridgeport, Conn. Lamp-burner. No. 1,280,778; Oct. 8; v. 255; p. 211.
Lipp, William F., Sterling, Ill. Headlight-deflector for automobiles. No. 1,279,731; Sept. 24; v. 254; p. 730.
Lippard, Everett J., *et al.* (See Benton, Earl M., assignor.)
Lippelt, Hans, Brooklyn, N. Y. Operating dynamo-electric machines. No. 1,279,887; Sept. 24; v. 254; p. 777.
Lippert, Earl E., Stroud, Okla. Scythe-blade fastener. No. 1,257,504; Feb. 26; v. 247; p. 811.
Lippert, Samuel, East Cleveland, Ohio. Valve. No. 1,270,961; July 2; v. 252; p. 59.
Lippert, Walter E. (See Ireland and Lippert.)
Lippert, William. (See Richardson and Lippert.)
Lippincott, Alpheus C., East Orange, N. J., assignor to E. Keeler Company, Williamsport, Pa. Boiler-plug. No. 1,285,751; Nov. 26; v. 256; p. 700.
Lippincott, Carrie A. (See Lippincott, John W., assignor.)
Lippincott, John W., assignor of one-half to C. A. Lippincott, Little Rock, Ark. Chain-jack. No. 1,265,461; May 7; v. 250; p. 162.
Lippincott, John W., assignor of one-half to C. A. Lippincott, Little Rock, Ark. Partitioning and stabilizing appliance. No. 1,270,532; June 25; v. 251; p. 759.
Lippincott, John W., assignor of one-half to C. A. Lippincott, Little Rock, Ark. Swimming-course. No. 1,285,259; Nov. 19; v. 256; p. 536.
Lippincott, Samuel B. (See Miller and Lippincott.)
Lippincott, Wells A., Great Neck, N. Y., assignor, by mesne assignments, to Marlin-Rockwell Corporation, New Haven, Conn. Radial-thrust bearing. No. 1,282,888; Oct. 29; v. 255; p. 883.
Lippman, Harry J., *et al.* (See Fey, Robert E., assignor.)
Lipschitz, Abraham H., and N. Peckins, Brooklyn, N. Y. Vehicle-lock. No. 1,263,444; Apr. 23; v. 249; p. 771.
Lipscomb, Ferris A., New Philadelphia, Ohio. Tobacco-pipe and holder for cigars and cigarettes. No. 1,280,779; Oct. 8; v. 255; p. 211.
Lipsius, Samuel, New York, N. Y. Raised printing. No. 1,261,826; Apr. 9; v. 249; p. 269.
Lipson, Samuel, East Saugus, assignor of one-fourth to H. Rosenberg, one-fourth to J. Rosenberg, and one-fourth to H. H. Levenson, Boston, Mass. Cement-applying device. No. 1,288,941; Dec. 24; v. 257; p. 770.
Liquid Carbonic Company. (See Smith, Horace M., assignor.)
Liquid Container & Server Corporation. (See Davis, Thomas J., assignor.) (Reissue.)
Lisberg, Manuel, Slidell, La. Planting-machine. No. 1,277,228; Aug. 27; v. 253; p. 891.
Lisbon, Joseph, New Bedford, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Tip-measurer. No. 1,278,953; Sept. 17; v. 254; p. 494.
Lisicwicz, Martin, Newark, N. J. Demountable mechanically-resilient tire. No. 1,263,907; Apr. 23; v. 249; p. 897.
Lisle, Arthur B. (See Farkas, Karl, assignor.)

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Lissauer, Adolph W., New York, N. Y. Apparatus for purifying and humidifying air. No. 1,254,612; Jan. 22; v. 246; p. 1000.
Lissauer, Adolph W., New York, N. Y. Drier. No. 1,277,961; Sept. 3; v. 254; p. 172.
Lissmann, Albert R., assignor of one-half to M. Leserman, New York, N. Y. Lump-sugar dispenser. No. 1,286,675; Dec. 3; v. 257; p. 119.
List, Ezra J. (See Watts and Brown, assignors.)
List, Henry J., San Francisco, Cal. Non-skid device. No. 1,267,676; May 28; v. 250; p. 862.
Lister, Henry R., New York, N. Y., assignor to Joseph Benn & Sons., Graystone, R. I. Imitation fabric and producing same. No. 1,255,031; Jan. 29; v. 246; p. 1151.
Lister, John T., Cleveland, Ohio. Signaling apparatus. No. 1,258,791; Mar. 12; v. 248; p. 283.
Lister, John T., Cleveland, Ohio. Forming tire fabric and tires. No. 1,274,910; Aug. 6; v. 253; p. 162.
Lister, Ronald, Chorlton-cum-Hardy, England, assignor to Westinghouse Electric & Manufacturing Company. Knife-blade switch. No. 1,264,404; Apr. 30; v. 249; p. 1068.
Liston, Thomas. (See Mullin, Colman J., assignor.)
Lisy, James V., Ravenna, Nebr. Clamp. No. 1,275,452; Aug. 13; v. 253; p. 336.
Litchfield, Henry L., assignor to The Litchfield Manufacturing Company, Waterloo, Iowa. Trailer for automobiles or other vehicles. No. 1,265,705; May 7; v. 250; p. 226.
Litchfield, Henry L., and C. E. Shiplet, assignors to The Litchfield Manufacturing Company, Waterloo, Iowa. Broadcast spreader. No. 1,267,563; May 28; v. 250; p. 831.
Litchfield Manufacturing Company, The. (See Litchfield, Henry L., assignor.)
Litchfield Manufacturing Company, The. (See Litchfield and Shiplet, assignors.)
Litel, Frank J. (See Larkin and Litel.)
Litinsky, George, Elkins, W. Va. Oven or furnace for baking earthenware. No. 1,265,097; May 7; v. 250; p. 64.
Litten, Ira E., assignor to M. M. Litten, Orange, Cal. Trailer connection. No. 1,276,548; Aug. 20; v. 253; p. 672.
Litten, Maggie M. (See Litten, Ira E., assignor.)
Little, Alexander E., assignor to A. E. Little Company, Lynn, Mass. Combined shoe and legging. No. 1,283,235; Oct. 29; v. 255; p. 977.
Little, Arlington P., Washington, D. C. Photometer. No. 1,288,067; Dec. 17; v. 257; p. 531.
Little, Arlington P., Washington, D. C. Method and means for indicating the maximum flow of fluids. No. 1,289,486; Dec. 31; v. 257; p. 930.
Little, Charles H., East Cleveland, Ohio. Ruler. No. 1,274,291; July 30; v. 252; p. 1106.
Little, Charles H., East Cleveland, Ohio. Ruler. No. 1,274,292; July 30; v. 252; p. 1106.
Little, Charles H., East Cleveland, Ohio. Scale. No. 1,274,293; July 30; v. 252; p. 1107.
Little, Elmer, Owensboro, Ky. Ditching and grading machine. No. 1,255,188; Feb. 5; v. 247; p. 22.
Little, Fred S., assignor of one-half to J. Samuelson, Fairfield, Iowa. Fly-trap. No. 1,267,237; May 21; v. 250; p. 715.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulating mechanism for arc-lamps. No. 1,255,445; Feb. 5; v. 247; p. 95.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,259,420; Mar. 12; v. 248; p. 463.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp globe. No. 1,264,405; Apr. 30; v. 249; p. 1068.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Post-type arc-lamp. No. 1,264,406; Apr. 30; v. 249; p. 1068.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,268,025; May 28; v. 250; p. 961.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,268,026; May 28; v. 250; p. 962.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Cimpany. Electrode for arc-lamps. No. 1,274,725; Aug. 6; v. 253; p. 111.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,284,387; Nov. 12; v. 256; p. 279.
Little Giant Manufacturing & Sales Company. (See Mordaunt, Harry G., assignor.)
Little, Joseph A., Chicago, Ill. Device for measuring the length of boots and shoes. No. 1,279,560; Sept. 24; v. 254; p. 681.
Little, Malle, Cleveland, Ohio. Hair-binder. No. 1,251,900; Jan. 1; v. 246; p. 136.
Little, Theodore W., Brookline, assignor to Walworth Manufacturing Company, Boston, Mass. Wrench. No. 1,271,734; July 9; v. 252; p. 309.
Little, William B. F., Bailey, Ark. Animal-feeding device. No. 1,286,676; Dec. 3; v. 257; p. 119.
Littlefield, Augustine F. (See Shaw and Littlefield.)
Littlefield, Augustine F., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Welt-shoe-sewing machine. No. 1,263,445; Apr. 23; v. 249; p. 771.
Littlefield, Augustine F., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. No. 1,269,622; June 18; v. 251; p. 485.
Littlefield, Charles W., Seattle, Wash. Therapeutic light apparatus. No. 1,277,089; Aug. 27; v. 253; p. 855.
Littlefield, Frank A., assignor to Nashua Machine Company, Nashua, N. H. Steam-trap and valve therefor. No. 1,272,470; July 16; v. 252; p. 541.
Littlejohn, Henry E. (See Robison and Littlejohn.)
Live Leather Belt Company, The. (See Jacobs, Joseph, assignor.)
Lively, James H., Republic county, Kans., assignor of one-half to L. Lively, Arcadia, Ind. Automobile-jack. No. 1,265,688; May 7; v. 250; p. 221.
Lively, L. (See Lively, James H., assignor.)
Liverance, Frank E., Jr., Wyoming Park, Mich., assignor to The McCaskey Register Company, Alliance, Ohio. Leaf for filing appliances. No. 1,273,242; July 23; v. 252; p. 782.
Liverance, Frank E., Jr., Wyoming Park, Mich., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,273,243; July 23; v. 252; p. 782.
Livermore, Homer F., Brookline, Mass. Loom-temple. No. 1,268,737; June 4; v. 251; p. 188.
Liversidge, Horace P., Philadelphia, Pa. Insulating-support. No. 1,252,353; Jan. 1; v. 246; p. 262.
Livesay, Everett G., assignor to Livesay Safety Mail Crane Company, Princeton, W. Va. Mail-crane. No. 1,262,069; Apr. 9; v. 249; p. 333.
Livesay Safety Mail Crane Company. (See Livesay, Everett G., assignor.)
Livezey, Albert, Grinnell, Iowa; J. Ford, guardian. Trap. No. 1,259,641; Mar. 19; v. 248; p. 556.
Livingston, Amos, Owego, N. Y. Combined metallic cross-tie, rail-brace, and fastener. No. 1,254,419; Jan. 22; v. 246; p. 944.
Livingston, Bonaparte F., Maplewood, Mo. Folding stool. No. 1,287,365; Dec. 10; v. 257; p. 326.
Livingston, D McRa, New York, N. Y. Motor-hood. No. 1,264,825; Apr. 30; v. 249; p. 1182.
Livingston, D McRa, New York, N. Y. Attachment for automobiles. No. 1,282,889; Oct. 29; v. 255; p. 884.
Livingston, D McRa, New York, N. Y., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. (Reissue.) No. 14,556; Nov. 26; v. 256; p. 810.
Livingston, Fred N., Seattle, Wash. Carbureter. No. 1,288,942; Dec. 24; v. 257; p. 771.
Livingston, Herbert W., Hamilton, Ontario, Canada. Liquid-dispensing device. No. 1,282,890; Oct. 29; v. 255; p. 884.
Livingston, Ira W., Bridgeport, Ohio. Salt and pepper shaker. No. 1,267,564; May 28; v. 250; p. 831.
Livingston, Jefferson. (See Street, Wade L., assignor.)
Livingston, Lloyd L. (See Poole, Jesse V., assignor.)
Livsey, William, Wallasey, England. Fountain and stylographic pen. No. 1,277,613; Sept. 3; v. 254; p. 78.
Liwacz, Katherina, Philadelphia, Pa. Ash-sifter. No. 1,275,575; Aug. 13; v. 253; p. 370.
Ljungström, Birger and F., Stockholm, Sweden, assignors to Aktiebolaget Ljungströms Angturbin. Elastic-fluid turbine. No. 1,269,541; June 11; v. 251; p. 429.
Ljungström, Birger, Stockholm, and F. Ljungström, Brevik Lidingön, Sweden. Rotating field-magnet. No. 1,273,385; July 23; v. 252; p. 820.
Ljungström, Birger, Stockholm, and F. Ljungström, Brevik, Lidingön, Sweden. Rotating field-magnet. No. 1,273,511; July 23; v. 252; p. 854.
Ljungström, Fredrik. (See Ljungström, Birger and F.)
Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Angturbin, Finspong, Sweden. Multiple-phase-motor regulating resistance. No. 1,251,982; Jan. 1; v. 246; p. 159.
Ljungström, Fredrik, Stockholm, Sweden, assignor to Aktiebolaget Ljungströms Angturbin. Elastic-fluid turbine. No. 1,269,540; June 11; v. 251; p. 429.
Ljungström, Fredrik, Stockholm, Sweden, assignor to Aktiebolaget Ljungstrom Angturbin. Reversible radial-flow turbine. No. 1,273,633; July 23; v. 252; p. 887.
Ljungström, Fredrik, assignor to Aktiebolaget Ljungstroms Ångturbin, Finspong, Sweden. Rotary field-magnet with parallel grooves for the windings. No. 1,282,891; Oct. 29; v. 255; p. 884.
Ljungstrom, Knute E. E., Washington, D. C. Beard-softener. No. 1,264,666; Apr. 30; v. 249; p. 1141.
Ljungstrom, Knute E., Washington, D. C. Beard-softener. No. 1,270,635; June 25; v. 251; p. 787.
Llewellyn, Lee, Dormont borough, assignor to Pittsburgh Coal Washer Company, Pittsburgh, Pa. Coal-washing apparatus. No. 1,267,565; May 28; v. 250; p. 831.
Llewellyn, William. (See Walker, Frank, assignor.)
Llewellyn, William B. (See Spence and Llewellyn.)

Llopart, Ramón B., assignor to Mineral Refining and Chemical Corporation, St. Louis, Mo. Smelting-furnace. No. 1,253,064; Jan. 8; v. 246; p. 505.
Lloyd, Burt E., West Hoboken, N. J. Sounding device for dolls. No. 1,277,229; Aug. 27; v. 253; p. 891.
Lloyd, Burt E., West Hoboken, N. J. Voice for toys. No. 1,282,702; Oct. 22; v. 255; p. 804.
Lloyd, Cecil E., Pensacola, Fla. Mechanism for transmitting power. No. 1,257,897; Feb. 26; v. 247; p. 927.
Lloyd, Cecil E., Pensacola, Fla. Tap. No. 1,265,348; May 7; v. 250; p. 131.
Lloyd, Cecil E., Pensacola, Fla. Brake-socket for open-mouthed bilge-pumps. No. 1,265,349; May 7; v. 250; p. 131.
Lloyd, Eldon E. (See Gearhart and Lloyd.)
Lloyd, Eldon E., and J. Z. Curnutt, Maryville, Mo. Motor-car curtain. No. 1,266,504; May 14; v. 250; p. 478.
Lloyd, George H., Houston, Tex. Record for live-stock and other shipments. No. 1,277,325; Aug. 27; v. 253; p. 910.
Lloyd, Harry, Crestwood, N. Y. Toilet article. No. 1,281,605; Oct. 15; v. 255; p. 467.
Lloyd, Lewis H., Bloomington, Ill. Apparatus for railway mail-delivery. No. 1,281,180; Oct. 8; v. 255; p. 320.
Lloyd, Nafew J., Butte, Mont. Package-tie. No. 1,262,815; Apr. 16; v. 249; p. 572.
Lloyd, Richard L. (See Dwight and Lloyd.)
Lloyd, Richard W., Verndale, Minn. Coupling and steering device for vehicles. No. 1,270,179; June 18; v. 251; p. 635.
Lloyd, Trevor V. (See Bailey, Lloyd and Jones.)
Loadometer Company, The. (See Troll, Frederick J., assignor.) (Reissue.)
Lob, Guido E., assignor to Pneumatic Conveyor Company, Chicago, Ill. Pneumatic conveyer. No. 1,280,780; Oct. 8; v. 255; p. 211.
Lobel, Leon, New York, N. Y. Arch-support. No. 1,261,042; Apr. 2; v. 249; p. 15.
Lober, George H., assignor of one-third to N. J. Quinn and one-third to F. W. Himes, Jr., Toledo, Ohio. Radiator. No. 1,284,388; Nov. 12; v. 256; p. 279.
Lober, George H., assignor of one-third to N. J. Quinn and one-third to F. W. Himes, Jr., Toledo, Ohio. Machine for forming radiator-cores. No. 1,285,260; Nov. 19; v. 256; p. 536.
Lobl, Frederick, Boston, Mass. Container. No. 1,269,103; June 11; v. 251; p. 310.
Lobl, Frederick, Middleboro, Mass. Game. No. 1,274,294; July 30; v. 252; p. 1107.
Lobschutz, Henry, New York, N. Y. Talking-machine. No. 1,258,128; Mar. 5; v. 248; p. 53.
Locer, George B., Fort Logan, Colo. Corn-husker. No. 1,253,611; Jan. 15; v. 246; p. 694.
Lochman, Emil R., Milwaukee, Wis. Machine for corrugating material. No. 1,263,577; Apr. 23; v. 249; p. 807.
Lochridge, Elbert E., Springfield, Mass. Valve for water-closets and other uses. No. 1,270,423; June 25; v. 251; p. 728.
Lochridge, Elbert E., Springfield, Mass. Valve. No. 1,270,424; June 25; v. 251; p. 728.
Lock, A. V., Kansas City, Mo. Hog-trough. No. 1,259,112; Mar. 12; v. 248; p. 376.
Lock, John, Alameda, Cal. Torpedo-guard for ships. No. 1,285,261; Nov. 19; v. 256; p. 536.
Lockard, Chester A., Des Moines, Iowa. Frame and bracket. No. 1,278,486; Sept. 10; v. 254; p. 336.
Lockard, Marcus M., Meridian, Miss. Canning apparatus. No. 1,253,843; Jan. 15; v. 246; p. 761.
Lockard, Theodore E., Marshalltown, Iowa. Ice-card holder. No. 1,269,828; June 18; v. 251; p. 543.
Lockard, William A., West Philadelphia, Pa. Railway-tie. No. 1,259,755; Mar. 19; v. 248; p. 590.
Locke, Edna W., Lewisburg, Ohio. Game. No. 1,270,632; June 25; v. 251; p. 786.
Locke, Emery A. (See West, Earl E., assignor.)
Locke Insulator Mfg. Co., The. (See Lapp, John S., assignor.)
Locke Insulator Manufacturing Company, The. (See Goddard, Walter T., assignor.)
Locke, Nathen A., Fulton, N. Y. Antirattling joint for steering-gears. No. 1,278,362; Sept. 10; v. 254; p. 305.
Lockhart, Andrew B., Redlands, Cal. Valve-spring compressor. No. 1,266,285; May 14; v. 250; p. 420.
Lockhart, John, Tarrytown, N. Y. Window awning and shutter. No. 1,287,366; Dec. 10; v. 257; p. 327.
Lockner, Frank, *et al.* (See Rolland, Fred, assignor.)
Lockport Machine Company. (See Perry, James, assignor.)
Lockwood, Alfred A., Forest Hill, England. Treatment of copper ores. No. 1,282,892; Oct. 29; v. 255; p. 885.
Lockwood, Alfred A., Forest Hill, England. Obtainment of gold and silver from their ores. No. 1,283,236; Oct. 29; v. 255; p. 978.
Lockwood, Benjamin F., Oakland, Cal. Illuminated watch-holder. No. 1,271,735; July 9; v. 252; p. 309.
Lockwood, Burns D., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Six-wheel truck. No. 1,251,674; Jan. 1; v. 246; p. 70.
Lockwood, Burns D., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Railway-car. No. 1,286,677; Dec. 3; v. 257; p. 119.
Lockwood, Burns D., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Brake-mast. No. 1,286,678; Dec. 3; v. 257; p. 120.
Lockwood, Charles F., Oakland, Cal. Wooden-pile protector. No. 1,279,732; Sept. 24; v. 254; p. 730.
Lockwood, Charles S., Newark, N. J., assignor to Hyatt Roller Bearing Division, United Motors Corporation. Roller-bearing with sectional rolls. No. 1,266,286; May 14; v. 250; p. 420.
Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Division, United Motors Corporation, Harrison, N. J. Mortise-riveting. No. 1,275,576; Aug. 13; v. 253; p. 370.
Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Division, United Motors Corporation, Harrison, N. J. Means for locking a sleeve upon a hub or shaft. No. 1,282,604; Oct. 22; v. 255; p. 777.
Lockwood, Charles W. (See Desmarais, Oscar H., assignor.)
Lockwood, Harry B., and G. W. Brinkman, Chicago, Ill. Elevator-controller interlock. No. 1,276,088; Aug. 20; v. 253; p. 544.
Lockwood, James H., Bridgeport, Conn. Connection for electric conductors. No. 1,251,983; Jan. 1; v. 246; p. 159.
Lockwood, Marquis H., New York, assignor, by mesne assignments, to Public Service Cup Co., Brooklyn, N. Y. Sanitary-cup dispenser. No. 1,261,947; Apr. 9; v. 249; p. 301.
Lockwood, Marquis H., New York, assignor to Public Service Cup Company, Brooklyn, N. Y. Cup-dispenser. No. 1,289,487; Dec. 31; v. 257; p. 930.
Lockwood, Vernon G., Saugerties, N. Y. Tool for detaching puppet-valves of motors. No. 1,268,480; June 4; v. 251; p. 117.
Locomobile Company of America, The. (See Alborn, Frans G., assignor.)
"Locomobile" Company of America, The. (See Riker, Andrew L., assignor.)
"Locomobile" Company of America, The. (See Rosner, Adolph, assignor.)
Locomobile Company of America, The. (See Schulz, Albert C., assignor.)
Locomobile Company of America, The. (See Walter, Henry C., assignor.)
Locomotive Pulverized Fuel Company. (See Caracristi, Virginius Z., assignor.)
Locomotive Pulverized Fuel Company. (See Clendon, George W., assignor.)
Locomotive Pulverized Fuel Company. (See Muhlfeld, John E., assignor.)
Locomotive Stoker Company. (See Lower, Nathan M., assignor.)
Locomotive Stoker Company. (See Ryan, Edward, assignor.)
Locomotive Superheater Company. (See Poignand, Francis N., assignor.)
Locomotive Superheater Company. (See True, Charles H., assignor.)
Locomotive Superheater Company. (See True and Brandt, assignors.)
Lodge, Joseph D., *et al.*, executors. (See Gilbert, Edmund D.)
Lodge & Shipley Machine Tool Company, The. (See Cockburn, Francis B., assignor.)
Lodwig, Augustus C., Oxnard, Cal. Beet-plow. No. 1,279,733; Sept. 24; v. 254; p. 731.
Loe, Syver, Minneapolis, Minn., assignor of one-half to J. W. Walker, Philadelphia, Pa. Lock mechanism for voting-machines. No. 1,280,503; Oct. 1; v. 255; p. 108.
Loeb, Henry, *et al.* (See McDade, Alfred F., assignor.)
Loeb, Rudolf, Jenkintown, Pa. Fabric-holding means for overedge sewing-machines. No. 1,260,923; Mar. 26; v. 248; p. 959.
Loeb, Rudolf, Jenkintown, Pa. Overedge or overlock sewing-machine. No. 1,262,070; Apr. 9; v. 249; p. 333.
Loeb, Rudolf, Jenkintown, Pa. Embroidery ornamentation and making the same. No. 1,262,071; Apr. 9; v. 249; p. 334.
Loeb, Rudolf, Jenkintown, Pa. Sewing-machine. No. 1,267,566; May 28; v. 250; p. 832.
Loeb, Rudolf, Jenkintown, Pa. Sewing-machine. No. 1,273,386; July 23; v. 252; p. 820.
Loeb, Rudolf, Jenkintown, Pa. Die for setting chevron-stripes. No. 1,273,512; July 23; v. 252; p. 854.
Loeben, Gustave A., Philadelphia, Pa., assignor to The De Luxe Brush Company, Wilmington, Del. Device for dispensing fluid material. No. 1,263,908; Apr. 23; v. 249; p. 898.
Loeffler, William, Bladensburg, Md. Curtain and shade supporting bracket. No. 1,280,053; Sept. 24; v. 254; p. 821.
Loeffler, William, Bladensburg, Md. Car-register-operating mechanism. No. 1,284,725; Nov. 12; v. 256; p. 362.
Loening, Grover C., Boston, assignor to Sturtevant Aeroplane Company, Jamaica Plain, Mass. Aeroplane. No. 1,283,828; Nov. 5; v. 256; p. 103.

Loepsinger, Albert J., Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Automatic sprinkler. No. 1,273,387; July 23; v. 252; p. 820.
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Heat-insulated sprinkler-head. No. 1,281,606; Oct. 15; v. 255; p. 468.
Loeser, J. H. (See Carslaw, John W. D., assignor.)
Loesser, Ernest, Glen Ridge, N. J. Punching-die. No. 1,283,829; Nov. 5; v. 256; p. 103.
Loessin, Julius W., Lagrange, Tex. Turn-table for automobiles. No. 1,280,504; Oct. 1; v. 255; p. 108.
Loewenbach, Oscar, assignor to Hugo Loewenbach and B. Loewenbach & Sons Co., Inc., Milwaukee, Wis. Envelop. No. 1,256,145; Feb. 12; v. 247; p. 340.
Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,262,527; Apr. 9; v. 249; p. 461.
Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,287,367; Dec. 10; v. 257; p. 327.
Loewenstine, Maurice, Cincinnati, Ohio. Paper-roll winder. No. 1,271,736; July 9; v. 252; p. 309.
Loewinger, Benjamin, assignor to Pakorn & Co., Chicago, Ill. Corner construction for buildings. No. 1,258,920; Mar. 12; v. 248; p. 321.
Loffland, Roy. (See Singers and Loffland.)
Loffland, Roy, assignor to Cement Products Company, Worthington, Ind. Silo-door mounting. No. 1,282,605; Oct. 22; v. 255; p. 777.
Loffler, Edmund. (See De Lukacsevics, Charles, assignor.)
Lofgren, John. (See Ravlin and Lofgren.)
Löfgren, Ulrika, Lowell, Mass. Doll. No. 1,255,446; Feb. 5; v. 247; p. 95.
Lofland, George H., Brooklyn, N. Y. Mounting for lenses. No. 1,262,528; Apr. 9; v. 249; p. 462.
Loflin, Eddie E., Foxworth, Miss. Automatic shell-tongs. No. 1,281,799; Oct. 15; v. 255; p. 519.
Loflin, Virginia H., Centerville, Md. Ironing-board stand. No. 1,272,471; July 16; v. 252; p. 541.
Lofstrom, Arthur M., Cambridge, Minn. Electric lighter for oxyacetylene-torches. No. 1,281,036; Oct. 8; v. 255; p. 279.
Lofton, Herbert M., Chattanooga, Tenn. Valve. No. 1,251,792; Jan. 1; v. 246; p. 105.
Lofton, Herbert M., Chattanooga, Tenn. Fire-hydrant No. 1,278,487; Sept. 10; v. 254; p. 336.
Loftsgaarden, Albert T., assignor to Powell Manufacturing Company, Powell, Wyo. Door-closer. No. 1,281,181; Oct. 8; v. 255; p. 320.
Loftus, John, Albany, N. Y. Heating system. No. 1,285,262; Nov. 19; v. 256; p. 536.
Loftus, Thomas J., Castella, assignor of one-half to H. Bell, Oakland, Cal. Rotary engine. No. 1,276,380; Aug. 20; v. 253; p. 626.
Loftus, Thomas J., Castella, assignor of one-half to H. Bell, Oakland, Cal. Rotary engine. No. 1,276,381; Aug. 20; v. 253; p. 627.
Logan, Charles H., Sedalia, Mo. Cotton-boll-weevil suppressor and rubbish-burying attachment for turning-plows. No. 1,264,101; Apr. 23; v. 249; p. 949.
Logan, Charles H., assignor of one-half to E. H. Bennett, Sedalia, Mo. Wire-stretcher. No. 1,273,889; July 30; v. 252; p. 994.
Logan, Edward F. (See Libby and Logan.)
Logan, Edward F. (See Whiting and Logan.)
Logan, George A., New York, N. Y. Bottle-capsule and making. No. 1,280,255; Oct. 1; v. 255; p. 39.
Logan, George R., Brooklyn, N. Y. Cuff-protector. No. 1,263,446; Apr. 23; v. 249; p. 772.
Logan, Henry H., Vancouver, British Columbia, Canada. Flexible shaft-coupling. No. 1,272,687; July 16; v. 252; p. 604.
Logan, Robert J., St. John, New Brunswick, Canada. Toy. No. 1,274,295; July 30; v. 252; p. 1107.
Logan Trust Company of Philadelphia, trustee. (See Spielman, Adolph, assignor.)
Logsdon, Frederick G., Davenport, Wash. Weeding implement. No. 1,253,504; Jan. 15; v. 246; p. 664.
Logsdon, James E., Joplin, Mo. Minnow-trap. No. 1,269,623; June 18; v. 251; p. 485.
Lohman, Alfred P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ladder-foot. No. 1,276,666; Aug. 20; v. 253; p. 705.
Lohman, Carl A., Seattle, Wash. Dry-kiln truck. No. 1,263,687; Apr. 23; v. 249; p. 836.
Lohman, Carl A., Seattle, Wash. Lumber-bundling frame. No. 1,271,046; July 2; v. 252; p. 83.
Lohman, Carl A., Seattle, Wash. Unpiling device for lumber. No. 1,272,472; July 16; v. 252; p. 541.
Lohman, Carl A., Seattle, Wash. Dry-kiln. No. 1,274,911; Aug. 6; v. 253; p. 162.
Lohman, Carl A., Seattle, Wash. Lumber-sorting device. No. 1,277,326; Aug. 27; v. 253; p. 916.
Lohmann, Carl H., Guymon, Okla., assignor to International Harvester Company of New Jersey. Butt-adjuster for harvesters. No. 1,260,410; Mar. 26; v. 248; p. 812.
Lohman, Herschel, Greenville, Ohio. Steering-wheel. No. 1,264,312; Apr. 30; v. 249; p. 1041.
Lohne, Jens, Farsund, Norway. Magazine for small-arms. No. 1,285,263; Nov. 19; v. 256; p. 537.
Lohr, Jacob B., Lake View, Iowa. Cabinet. No. 1,289,833; Dec. 31; v. 257; p. 1015.
Lohrlein, Frank A. (See Potter and Lohrlein.)
Lohse, Wilhelm R., Milwaukee, assignor of one-third to J. Buchholz, Cudahy, and one-third to G. Mayer, Milwaukee, Wis. Gripping attachment for automobile-wheels. No. 1,261,415; Apr. 2; v. 249; p. 120.
Lohstroh, Carl W., Cincinnati, Ohio. Holder. No. 1,277,230; Aug. 27; v. 253; p. 892.
Loiselle, Thomas G., Oakville, and A. L. Lepage, Waterbury, Conn. Adjustable valve-grinding tool. No. 1,285,752; Nov. 26; v. 256; p. 700.
Lok, Karl H. (See Lok, Walter C. and K. H.)
Lok, Walter C. and K. H., Toledo, Ohio. Automobile-signal. No. 1,270,633; June 25; v. 251; p. 786.
Lokometzki, Thomas J., Milwaukee, Wis. Bell-toller. No. 1,257,368; Feb. 26; v. 247; p. 770.
Lomas, Earl P. C., Butte, Mont. Type-writer attachment. No. 1,268,859; June 11; v. 251; p. 243.
Lomax, John T., Hoxie, Ark. Adjustable shade-hanger. No. 1,289,836; Dec. 31; v. 257; p. 1015.
Lombard Carburetor Company. (See Lombard, Nathaniel, assignor.)
Lombard Governor Company, The. (See Warren, Henry E., assignor.)
Lombard, Harold E., *et al.* (See Horn, Charles A., assignor.)
Lombard, Levi W., Waltham, assignor to J. A. Moir, Boston, Mass. Thread-applying mechanism for can-labeling machines. No. 1,275,949; Aug. 13; v. 253; p. 474.
Lombard, Nathaniel, assignor to Lombard Carburetor Company, Worcester, Mass. Clutching mechanism. No. 1,270,533; June 25; v. 251; p. 759.
Lombard, Nathaniel, Worcester, Mass., assignor to International Paper Company. Pulp-beating mechanism. No. 1,272,473; July 16; v. 252; p. 541.
Lombardo, Charles, Waterford, N. J. Folding crate. No. 1,263,688; Apr. 23; v. 249; p. 836.
Lomer, Henry J., Detroit, Mich. Tire. No. 1,277,438; Sept. 3; v. 254; p. 30.
Lonas, F. E. (See Layman, Hebron B., assignor.)
London, Lester L. (See Rossman and London.)
London, Monte. (See Rossman and London, assignors.)
London and Westminster Industrial Syndicate Limited, The. (See Sharpe, Horace L., assignor.)
London, William J. A., Lynn, Mass., and H. R. Trotter, Windsor, Conn. Fan and propeller. No. 1,263,909; Apr. 23; v. 249; p. 898.
London, William J. A., Springfield, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,268,738; June 4; v. 251; p. 189.
London, William J. A., Springfield, Mass., assignor to General Electric Company. Shaft-packing. No. 1,273,634; July 23; v. 252; p. 887.
Long, Adam A., Rochester, N. Y. Talking-machine. No. 1,251,675; Jan. 1; v. 246; p. 70.
Long, Adam A., assignor to The Tailors' Accessories Company, Rochester, N. Y. Cleaning-machine. No. 1,252,127; Jan. 1; v. 246; p. 201.
Long, Albert R., Los Angeles, Cal. Fuel-heater. No. 1,263,259; Apr. 16; v. 249; p. 697.
Long & Allstatter Company, The. (See Pater, Paul G., assignor.)
Long, Arthur D., Fairfield, Iowa. Wagon-rack. No. 1,268,982; June 11; v. 251; p. 276.
Long, Breckinridge, St. Louis, and W. C. Burton, Webster Groves, Mo. Lighting-fixture. No. 1,254,247; Jan. 22; v. 246; p. 895.
Long, Charles, Jefferson, Ind. Grease-gun. No. 1,275,058; Aug. 6; v. 253; p. 204.
Long, Cory A., Milford, Ill. Fertilizer-spreader. No. 1,260,219; Mar. 19; v. 248; p. 723.
Long, Curtis M., Napoleon, Ohio, assignor to E. D. Gauntlett, Traverse City, Mich. Motor attachment for vehicles. No. 1,288,068; Dec. 17; v. 257; p. 532.
Long, Edward, Burke, Idaho. Combination hair and hat pin. No. 1,266,505; May 14; v. 250; p. 479.
Long, Edward C. (See Miller and Long.)
Long, Edward C., Westmont borough, Pa. Car-truck frame. No. 1,274,296; July 30; v. 252; p. 1107.
Long, Eli M., assignor to The Standard Optical Company, Geneva, N. Y. Edge-grinding machine for lenses. No. 1,272,474; July 16; v. 252; p. 542.
Long, Franklin A., Eureka, Mont. Hydraulic stump-puller. No. 1,258,691; Mar. 12; v. 248; p. 255.
Long, Frederick R., Berwick, Pa., assignor to American Car and Foundry Company, St. Louis, Mo. Hydrocarbon-burner. No. 1,256,146; Feb. 12; v. 247; p. 340.
Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Registering device. No. 1,285,264; Nov. 19; v. 256; p. 537.
Long, George F., New York, N. Y. Flexible shaft. No. 1,259,642; Mar. 19; v. 248; p. 556.
Long, George G., San Francisco, Cal. Stage-shadowgraph. No. 1,272,820; July 16; v. 252; p. 642.
Long, Grover C., assignor of one-third to H. E. Memminger and one-third to C. W. Deen, Lakeland, Fla. Hydrocarbon-burner. No. 1,255,762; Feb. 5; v. 247; p. 188.

Long, Ira L., Monmouth, Ill. Transmission for automobiles. No. 1,273,635; July 23; v. 252; p. 888.
Long, Jesse L., Manchester, Ga. Loom stop-motion. No. 1,282,893; Oct. 29; v. 255; p. 885.
Long, John E., Hot Springs, Mont. Tractor. No. 1,272,475; July 16; v. 252; p. 542.
Long, John R., Akron, Ohio. Bench-vise. No. 1,265,218; May 7; v. 250; p. 96.
Long, John R., Akron, Ohio. Wrench. No. 1,265,925; May 14; v. 250; p. 321.
Long, Joseph C. (See Nall, William A., assignor.)
Long, Lee. (See Body, Johnson, Kilgore, and Blevins, assignors.)
Long, Lemuel F., *et al.* (See Christian, Thomas A., assignor.)
Long, Leo G., Indianapolis, Ind. Lubrication of vertical-shaft machinery. No. 1,277,439; Sept. 3; v. 254; p. 30.
Long Life Lumber Company. (See Castleman, Samuel T., assignor.)
Long, Louis, New York, N. Y. Device for making beverages, extracts, and emulsions from nuts, fruits, seeds, &c. No. 1,281,984; Oct. 15; v. 255; p. 568.
Long, Luther M., Fyffe, Ala. Combination well-cleaner. No. 1,257,260; Feb. 19; v. 247; p. 705.
Long Manufacturing Company. (See Eligh, Charles A., assignor.)
Long, Robert B., Dayton, Ohio. Lifting-jack. No. 1,265,219; May 7; v. 250; p. 96.
Long, Robert E., administrator. (See Maloney, Philip M.)
Long, Robert M. (See Cline and Long.)
Long, Sidney L., assignor to A. W. Benson Manufacturing Company, Minneapolis, Minn. Self-trailing truck. No. 1,288,432; Dec. 17; v. 257; p. 618.
Long, William J. D., Greenville, S. C. Friction device for shuttles. No. 1,279,383; Sept. 17; v. 254; p. 610.
Long, William T., Auburn, Wash. Wrench. No. 1,270,848; July 2; v. 252; p. 26.
Longacre, Thomas N., Hasty, and C. Baldwin, Caddoa, Colo. Cultivator. No. 1,264,102; Apr. 23; v. 249; p. 949.
Longan, James M., assignor of one-half to W. R. Wright, Chicopee, Kans. Ore washer and separator. No. 1,264,667; Apr. 30; v. 249; p. 1141.
Longanecker, John, and L. G. Stockberger, Hiram, Ohio., said Stockberger assignor of one-sixth of his right to said Longanecker. Trolley-wheel. No. 1,267,338; May 21; v. 250; p. 741.
Longauer, Hubert, Milwaukee, Wis. Exterminator. No. 1,264,194; Apr. 30; v. 249; p. 1008.
Longenecker, Charles I., Milwaukee, Wis. End-dump truck. No. 1,260,559; Mar. 26; v. 248; p. 857.
Longenecker, Charles I., Milwaukee, Wis. Side-dump truck. No. 1,260,560; Mar. 26; v. 248; p. 857.
Longenecker, Charles I., assignor to C. H. & E. Manufacturing Company, Milwaukee, Wis. Combustion-engine. No. 1,285,265; Nov. 19; v. 256; p. 537.
Longobardi, Felix, Chicago, Ill. Combination-vehicle. No. 1,286,679; Dec. 3; v. 257; p. 120.
Longoria, Antonio, assignor to The Rogers Electric Laboratories Company, Cleveland, Ohio. High-frequency apparatus. No. 1,266,287; May 14; v. 250; p. 420.
Longoria, Antonio, assignor to The Sterling Corporation Company, Cleveland, Ohio. Electric water-heater. No. 1,288,069; Dec. 17; v. 257; p. 532.
Longrod, Peter I., assignor to F. H. Van Eenwyk, East Williamson, N. Y. Can-filling machine. No. 1,268,739; June 4; v. 251; p. 189.
Longtin, Hercule A., *et al.* (See Bisaillon, Zenophile, assignor.)
Longtin, Joseph M., *et al.* (See Bisaillon, Zenophile, assignor.)
Longyear, John M., and J. T. Jones, Marquette, Mich., assignors to New Metals-Process Company, Chicago, Ill. Metalizing process and apparatus. No. 1,289,834; Dec. 31; v. 257; p. 1015.
Longyear, John M., and J. T. Jones, Marquette, Mich., assignors to New Metals-Process Company, Chicago, Ill. Ore-reducing apparatus and process. No. 1,289,835; Dec. 31; v. 257; p. 1015.
Lönnqvist, Gustaf, Gotenborg, Sweden. Drawing instrument for section-lining and for laying down and measuring angles. No. 1,277,962; Sept. 3; v. 254; p. 172. No. 1,278,954; Sept. 17; v. 254; p. 494
Lonsinger, Charles L., Walhonding, Ohio. Sled. No. 1,256,707; Feb. 19; v. 247; p. 542.
Look, Fannie B., *et al.*, trustee. (See Melcher, George S., assignor.)
Loomis, Albert C., West Orange, N. J. Eyeglasses. No. 1,254,047; Jan. 22; v. 246; p. 838.
Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,266,288; May 14; v. 250; p. 420.
Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,275,950; Aug. 13; v. 253; p. 474.
Loomis, Burdett, Hartford, Conn. Retting, ungumming, and drying fiber plants and woody material. No. 1,271,591; July 9; v. 252; p. 267.
Loomis, Chauncey C., Syracuse, N. Y., assignor to Semet-Solvay Company, Solvay, N. Y. Chlorinating toluene. No. 1,280,612; Oct. 1; v. 255; p. 138.
Loomis, Edwin C. (See Zimmerman, Ralph W., assignor.)
Loomis, Evarts G., Newark, and A. V. Da Costa, Arlington, N. J. Pressure-gage. No. 1,276,089; Aug. 20; v. 253; p. 545.
Loomis, Harold S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay. No. 1,286,364; Dec. 3; v. 257; p. 45.
Loomis, Henry F., Reading, Pa. Exhaust device for internal-combustion engines. No. 1,286,365; Dec. 3; v. 257; p. 45.
Loomis Machine Co., The. (See Lott, Daniel L., assignor.)
Loomis, S. M. (See Wahl, Jacob W., assignor.)
Looney, William G., Deskins, Va. Lineman's post-saddle.
Loos, Reinhold, Newark, N. J. Rope-clamp. No. 1,288,943; Dec. 24; v. 257; p. 771.
Loose, Theron L., assignor to Hendee Manufacturing Company, Springfield, Mass. Side car for motor-cycles. No. 1,256,341; Feb. 12; v. 247; p. 400.
Loose-Wiles Biscuit Company. (See Lawrence, Edward E., assignor.)
Loose-Wiles Biscuit Company. (See Legler, Edward, assignor.)
Loosen, Albert E., Bathurst, New Brunswick, Canada. Boom. No. 1,281,985; Oct. 15; v. 255; p. 568.
Looze, Edward S., Flint, Mich. Hose-connector. No. 1,253,065; Jan. 8; v. 246; p. 506.
Lopez, Frank H., Cumming, Cal. Tire structure. No. 1,272,476; July 16; v. 252; p. 542.
Lopez, Guillermo C., *et al.* (See Sanchez, Leonardo, assignor.)
López de Lara, Guadalupe, Guadalajara, Mexico. Food product and making the same. No. 1,268,860; June 11; v. 251; p. 243.
Lopez, Pete, Sparks, Nev. Pencil-sharpener. No. 1,262,363; Apr. 9; v. 249; p. 416.
Lopour, Edward, Marshalltown, Iowa. Hand wheel-cultivator. No. 1,266,964; May 21; v. 250; p. 637.
Loranger, Joseph D., Central Falls, R. I. Dolly-bar. No. 1,276,235; Aug. 20; v. 253; p. 585.
Lorber, Harry F., Monongahela, Pa. Rail-joint. No. 1,252,275; Jan. 1; v. 246; p. 241.
Lorch Construction Co. *et al.* (See Lorch, Horace D., assignor.)
Lorch, Henry. (See Helmold and Lorch.)
Lorch, Horace D., Louisville, Ky., assignor of fifty-one one-hundredths to Lorch Construction Co., Tulsa, Okla., and forty-nine one-hundredths to S. Z. Lorch, Louisville, Ky. Apparatus for refining mineral oils. No. 1,264,668; Apr. 30; v. 249; p. 1141.
Lorch, Sam Z., *et al.* (See Lorch, Horace D., assignor.)
Lord, Alfred B., Cambridge, Mass., assignor of one-third to F. J. Pickman and one-third to W. A. Southam, Cleveland, Ohio. Wrench. No. 1,276,236; Aug. 20; v. 253; p. 585.
Lord Baltimore Press, The. (See Billstein, Aaron M., assignor.)
Lord, Charles E. (See Daily, Richard T., assignor.)
Lord, Chester R., Mineral City, Ohio. Hill climbing and antiskidding device for automobiles. No. 1,274,568; Aug. 6; v. 253; p. 65.
Lord Manufacturing Co. (See Horne, Lawrence W., assignor.)
Lord, Myrtle A., Erie, Pa. Yarn-winder. No. 1,255,619; Feb. 5; v. 247; p. 146.
Lord & Taylor. (See Tucker, Wilson H., assignor.)
Lorden, Daniel W., Chicago, Ill. Satchel-handle. No. 1,286,366; Dec. 3; v. 257; p. 45.
Lorenc, Jan, Philadelphia, Pa. Vehicle-fender. No. 1,255,189; Feb. 5; v. 247; p. 22.
Lorence, Frank C., Larson, N. D. Device for protecting and forcing plants. No. 1,257,898; Feb. 26; v. 247; p. 927.
Lorenz, Charles O., Port Arthur, Tex., assignor to The Texas Company. Electrical apparatus for heating stills, boilers, and the like. No. 1,262,072; Apr. 9; v. 249; p. 334.
Lorenz, Harry R., and H. W. Ojendyk, Ashton, Nebr. Combined rim and casing. No. 1,253,988; Jan. 15; v. 246; p. 801.
Lorenz, Peter A. (See Adler, Bror A., assignor.)
Lorenz, William A., *et al.* (See Peiler, Karl E., assignor.)
Lorenz, William A., Hartford, Conn. Condiment-bottle. No. 1,268,740; June 4; v. 251; p. 189.
Lorenz, William A., Hartford, Conn. Hermetic closure for receptacles. No. 1,283,830; Nov. 5; v. 256; p. 103.
Lorenz, William A., Hartford, Conn. Hermetic closure for receptacles. No. 1,286,680; Dec. 3; v. 257; p. 120.
Lorenzen, Charles. (See Lorenzen, Edward B. and C.)
Lorenzen, Edward B. and C., Lorain, Ohio. Valve. No. 1,274,297; July 30; v. 252; p. 1108.
Lorenzen, Frederick G., assignor to Kellogg Toasted Corn Flake Company, Battle Creek, Mich. Preparing food products of starchy material. No. 1,275,711; Aug. 13; v. 253; p. 407.
Lorimer, Felix, Boston, Mass. Bottle-stopper fastener. No. 1,265,795; May 14; v. 250; p. 283.
Lorimer, George W., Piqua, Ohio. Phonograph. No. 1,270,534; June 25; v. 251; p. 760.
Lorimer, John H., Philadelphia, Pa. Apparatus for treating air with liquids. No. 1,253,401; Jan. 15; v. 246; p. 636.
Lorimer, Reeva H., Boston, Mass. Cup-clasp. No. 1,258,792; Mar. 12; v. 248; p. 283.

Alphabetical list of patentees—Continued.

Loring, Ernest J., Somerville, Mass., assignor to The Lamson Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,258,422; Mar. 5; v. 248; p. 139.
Lorioli, Filippo, assignor to V. Tommasini, Milan, Italy. Machine for shaping and cutting out alimentary pastes. No. 1,252,822; Jan. 8; v. 246; p. 432.
Lorkowski, Robert W. (See Scheutz, Joseph A., assignor.)
Lortie, Avila A., *et al.* (See Bergeron, Napoléon, assignor.)
Loseth, Christopher, Council Bluffs, Iowa. Drive-anchor. No. 1,273,890; July 30; v. 252; p. 994.
Losey, Hudson Z., White Plains, N. Y. Drapery-support. No. 1,284,726; Nov. 12; v. 256; p. 362.
Losey, J. S. (See Scroggins, James A., assignor.)
Losoncy, Jozsef, assignor of one-half to L. Bedecs, Reading, Pa. Garbage-can. No. 1,251,984; Jan. 1; v. 246; p. 160.
Losselyoung, Peter, Staunton, Va. Device for protecting bank officials. No. 1,288,070; Dec. 17; v. 257; p. 532.
Lossing, Philo M., Kalkaska, Mich. Surgical instrument. No. 1,260,924; Mar. 26; v. 248; p. 959.
Lostumo, James, and A. H. Olander, Chicago, Ill. Recovering materials from paint. No. 1,279,888; Sept. 24; v. 254; p. 777.
Loth, Eric C., Elizabeth, N. J., assignor to Mente & Co., New York, N. Y. Combined riveting and punching machine. No. 1,288,627; Dec. 24; v. 257; p. 695.
Lother, Robert M. (See Mosby, William A., assignor.)
Lotka, John, Demarest, N. J., assignor to Havone Corporation, New York, N. Y. Cigarette-container. No. 1,253,505; Jan. 15; v. 246; p. 664.
Lotka, John, Demarest, N. J., assignor, by mesne assignments, to Illinois Watch Case Company, Elgin, Ill. Cigarette-container. No. 1,281,607; Oct. 15; v. 255; p. 468.
Lott, Daniel L., assignor to The Loomis Machine Co., Tiffin, Ohio. Clutch. No. 1,257,718; Feb. 26; v. 247; p. 875.
Lotysiewicz, George, Brooking, Saskatchewan, Canada. Bomb-dropper. No. 1,278,955; Sept. 17; v. 254; p. 495.
Lotz, Ralph W., Richmond Hill, assignor to National Indicator Company, Long Island City, N. Y. Braiding-machine. No. 1,287,368; Dec. 10; v. 257; p. 327.
Lotz, Rudolph W., Chicago, Ill. Fountain-pen. No. 1,263,260; Apr. 16; v. 249; p. 697.
Lotz, Rudolph W., Chicago, Ill. Fountain-pen. No. 1,263,261; Apr. 16; v. 249; p. 698.
Lotz, Simon E. (See Fox and Lotz.)
Louandes, Frank L. (See Archibald and Louandes.)
Louck & Hill Co. (See Kemper, George E., assignor.)
Loud, Henry S., New York, N. Y. Process and apparatus for impregnating wood and other porous materials with preservative liquid. No. 1,253,844; Jan. 15; v. 246; p. 761.
Loud, Thomas, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sole and manufacturing same. No. 1,282,253; Oct. 22; v. 255; p. 683.
Loudenbeck, Harry C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston-packing manufacture. No. 1,286,681; Dec. 3; v. 257; p. 120.
Louder, Joel H., Elgin, Ill. Sleeve-protector. No. 1,266,506; May 14; v. 250; p. 479.
Loudon, Fred, Wilmington, Ill. Show-case. (Reissue.) No. 14,571; Dec. 17; v. 257; p. 626.
Lough, John O., Montreal, Quebec, Canada. Street or station indicator. No. 1,261,250; Apr. 2; v. 249; p. 72.
Loughead, Malcolm, Santa Barbara, Cal. Braking apparatus. No. 1,288,944; Dec. 24; v. 257; p. 771.
Loughran, John F., Chehalis, Wash. Detachable sleigh-runner. No. 1,272,341; July 9; v. 252; p. 479.
Louis, Elek, New York, N. Y. Organ. No. 1,272,821; July 16; v. 252; p. 642.
Louiselle, Edward E. (See McCormack and Louiselle.)
Lovan, Alphonso B., *et al.* (See Norman, Frank, assignor.)
Lovan, Alphonso B., *et al.* (See Thompson, George W., assignor.)
Love, Bane, Atlanta, Ga. Firearm attachment. No. 1,259,251; Mar. 12; v. 248; p. 414.
Love, Clyde D., Coshocton, Ohio. Sun-dial. No. 1,289,837; Dec. 31; v. 257; p. 1016.
Love, Isaac, Anchorage, Alaska. Fence-post. No. 1,267,238; May 21; v. 250; p. 715.
Love, James E., Woonsocket, R. I. Cream-dipper. No. 1,253,612; Jan. 15; v. 246; p. 694.
Love, Jordan M., Watson, W. Va. Wrap-holder for theater-chairs. No. 1,267,239; May 21; v. 250; p. 715.
Loveczky, Paul, Brooklyn, N. Y. Aeroplane. No. 1,276,778; Aug. 27; v. 253; p. 772.
Lovejoy, Arthur W., assignor to A. E. Hatch, Lowell, Mass. Duplex clamp. No. 1,253,402; Jan. 15; v. 246; p. 636.
Lovejoy, Elmer, Laramie, Wyo. Door-opener. No. 1,260,561; Mar. 26; v. 248; p. 858.
Lovejoy, Elmer, Laramie, Wyo. Door-opener. No. 1,289,211; Dec. 31; v. 257; p. 861.
Lovejoy, Frank W., Rochester, N. Y. Photographic film. No. 1,275,989; Aug. 13; v. 253; p. 486.
Lovejoy, Frank W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. No. 1,276,779; Aug. 27; v. 253; p. 772.
Lovejoy, Fred P., Springfield, Vt. Metal-working tool. No. 1,255,620; Feb. 5; v. 247; p. 146.
Lovejoy, George W., assignor of one-half to C. Schoff, Tehachapi, Cal. Windmill attachment. No. 1,274,569; Aug. 6; v. 253; p. 65.
Lovejoy, Ralph M., Meredith, N. H. Worm-gearing. No. 1,276,237; Aug. 20; v. 253; p. 585.
Lovejoy, Ralph M., Meredith, N. H. Carbureter. No. 1,277,963; Sept. 3; v. 254; p. 173.
Lovekin, Luther D. (See Smith and Lovekin.)
Lovekin, Luther D., Philadelphia, Pa. Surface condenser. No. 1,264,195; Apr. 30; v. 249; p. 1009.
Lovekin, Luther D., Philadelphia, Pa. Feed-water heater. No. 1,287,713; Dec. 17; v. 257; p. 443.
Lovekin, Luther D., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat-conserving apparatus. No. 1,252,592; Jan. 8; v. 246; p. 367.
Lovekin, Luther D., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for conserving heat. No. 1,252,593; Jan. 8; v. 246; p. 367.
Lovekin, Luther D., and A. D. Smith, Philadelphia, Pa. Batten-cleat. No. 1,288,945; Dec. 24; v. 257; p. 771.
Lovelace, Charles D., San Angelo, Tex. Tire-inflating pump. No. 1,284,389; Nov. 12; v. 256; p. 279.
Lovelace, Charles W., Shelburn, Ind. Power attachment for motor-cars. No. 1,278,178; Sept. 10; v. 254; p. 255.
Lovelace, Fenwick R. and H. S., and A. M. Holm, Rockford, Ill.; said Holm assignor to said Fenwick R. Lovelace and said H. S. Lovelace. Bread-making. No. 1,258,793; Mar. 12; v. 248; p. 283.
Lovelace, Harold S. (See Lovelace and Holm.)
Lovelace, Thomas T., New York, N. Y. Rotary motor. No. 1,277,964; Sept. 3; v. 254; p. 173.
Lovelady, Thomas. (See Ames and Lovelady.)
Loveland, Byron S., assignor to W. M. Whitney, Winchendon, Mass. Wood-planing machine. No. 1,275,167; Aug. 6; v. 253; p. 233.
Loveland, Harold, Bremerton, Wash. Measuring and dispensing device. No. 1,276,382; Aug. 20; v. 253; p. 627.
Lovell, Harold M., Somerville, Mass. Rocking-chair fan. No. 1,267,094; May 21; v. 250; p. 674.
Lovell, James L., Astoria, Oreg. Gas-engine. No. 1,275,278; Aug. 13; v. 253; p. 288.
Lovell, John L. (See Riley and Lovell.)
Lovell Manufacturing Company. (See Walker, Byron A., assignor.)
Lovell-McConnell Manufacturing Company. (See McConnell, Duncan A., assignor.)
Lovell, Stanley P., Brockton, Mass. Colloid-treated fabric. No. 1,256,240; Feb. 12; v. 247; p. 370.
Loveman, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Purifying zirconium ores. No. 1,261,948; Apr. 9; v. 249; p. 301.
Loven, Carl N., Berkeley, Cal. Flexible tire. No. 1,281,608; Oct. 15; v. 255; p. 468.
Loveridge, Frederick H., Chicago, Ill. Pressure-gage for steam-boilers. No. 1,260,925; Mar. 26; v. 248; p. 959.
Lovering, Frank J., Octavia, Nebr. Apparatus for handling racks. No. 1,288,628; Dec. 24; v. 257; p. 695.
Lovering, Frank J., Octavia, Nebr. Apparatus for handling racks. No. 1,289,488; Dec. 31; v. 257; p. 930.
Lovett, John M., Bainbridge, Ga. Rein-hold. No. 1,256,027; Feb. 12; v. 247; p. 305.
Lovstad, August, Algona, Iowa. Harrow. No. 1,268,861; June 11; v. 251; p. 243.
Low, Arthur B., Denver, Colo. Prepared fuel. No. 1,252,909; Jan. 8; v. 246; p. 456.
Low, Arthur B., Denver, Colo. Ventilated vulcanizing-pan. No. 1,265,462; May 7; v. 250; p. 162.
Low, David and A. R. Thompson, San Jose, Cal.; said Thompson assignor to said Low. Combined asparagus cutter and grader. No. 1,257,719; Feb. 26; v. 247; p. 875.
Low, David, and A. R. Thompson, San Jose, Cal.; said Thompson assignor to said Low. Combined asparagus grader and cutter. No. 1,282,250; Oct. 22; v. 255; p. 682.
Low, Frank. (See Chamberlain and Low.)
Low, Frank S., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Matrix-mat. No. 1,265,796; May 14; v. 250; p. 283.
Löw, Wilhelm, Heidelberg, Germany. Apparatus for consecutively affixing serial views to film-bands. No. 1,273,113; July 16; v. 252; p. 721.
Lowden, James G., Lincoln, Nebr. Piston-rod swab. No. 1,258,692; Mar. 12; v. 248; p. 255.
Lowder, Lillian C., Indianapolis, Ind. Hygienic garment-supporter. No. 1,276,238; Aug. 20; v. 253; p. 586.
Lowder, Lillian C., Indianapolis, Ind. Adjustable safety ship-staircase. No. 1,284,727; Nov. 12; v. 256; p. 363.
Lowe, Chester A., assignor of one-half to The Roderfer Glass Company, Bellaire, Ohio. Grinding-mill. No. 1,262,529; Apr. 9; v. 249; p. 462.
Lowe, Clyde E. (See Clark and Lowe.)
Lowe, Ernest A., North Plainfield, assignor to Lowe Manufacturing Company, Plainfield, N. J. Fire-door-releasing mechanism. No. 1,269,556; June 11; v. 251; p. 432.

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Lowe, Eugene H., Modesto, Cal. Transmitter. No. 1,256,708; Feb. 19; v. 247; p. 543.
Lowe, Foon B., San Francisco, Cal. Sanitary toilet-seat. No. 1,258,794; Mar. 12; v. 248; p. 284.
Lowe, Frank G. (See Earles and Lowe.)
Lowe, Harry W., Omaha, Nebr., assignor, by mesne assignments, to Sprague Canning Machinery Co. Pulping-machine. No. 1,262,530; Apr. 9; v. 249; p. 462.
Lowe, James, New York, N. Y. Skate-clamp. No. 1,280,505; Oct. 1; v. 255; p. 109.
Lowe, Leon P., San Francisco, Cal. Gas or vapor heater. No. 1,273,636; July 23; v. 252; p. 888.
Lowe Manufacturing Company. (See Lowe, Ernest A., assignor.)
Lowe, Nellie G., Washington, D. C. Corn and bunion shield. No. 1,288,071; Dec. 17; v. 257; p. 533.
Lowe, S. Gee, assignor of one-half to J. W. Feltes, Los Angeles, Cal. Core-oil. No. 1,283,237; Oct. 29; v. 255; p. 978.
Lowe, William A. J., and G. W. Overstreet, Bristol, Tenn. Adjustable window shade and curtain support. No. 1,270,634; June 25; v. 251; p. 787.
Lowell, Walter E., New York, N. Y. Bilge-pump for motor-boats. No. 1,269,290; June 11; v. 251; p. 362.
Lowell, Walter E., assignor to National Biscuit Company, New York, N. Y. Machine for stacking and packaging bakery products. No. 1,279,562; Sept. 24; v. 254; p. 681.
Lowell, Walter E., assignor to National Biscuit Company, New York, N. Y. Biscuit-stripping mechanism. No. 1,279,563; Sept. 24; v. 254; p. 682.
Lowenstein, Arthur, Chicago, Ill. Steaming of oils, &c. No. 1,274,175; July 30; v. 252; p. 1074.
Lowenstein, Fritz, Brooklyn, N. Y. Variable electric apparatus. No. 1,258,423; Mar. 5; v. 248; p. 139.
Löwenstein, Harry F., Washington, D. C. Changeable-picture device. No. 1,285,753; Nov. 26; v. 256; p. 700.
Lowenthal, Adolph D. (See Hosick and Lowenthal.)
Lowenthal, Israel N., Minneapolis, Minn. Vehicle direction-indicator. No. 1,263,578; Apr. 23; v. 249; p. 807.
Lower, Nathan M., Schenectady, N. Y., assignor to Locomotive Stoker Company, Pittsburgh, Pa. Locomotive-tender. No. 1,256,486; Feb. 12; v. 247; p. 442.
Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stocker Company. Locomotive-tender. No. 1,257,369; Feb. 26; v. 247; p. 770.
Lower, Nathan M., Schnectady, N. Y., assignor to Locomotive Stoker Company, Pittsburgh, Pa. Automatic stoker mechanism. No. 1,259,643; Mar. 19; v. 248; p. 557.
Lowes, Ralph C., Peoria, Ill. Rubbing-post for animals. No. 1,270,425; June 25; v. 251; p. 729.
Lower, Thomas J., Strasburg, N. D. Pump-valve. No. 1,256,028; Feb. 12; v. 247; p. 305.
Lowery, William T. (See Nicholson and Lowery.)
Lowis, James, Brooklyn, N. Y. Steam turbine-engine. No. 1,257,261; Feb. 19; v. 247; p. 705.
Lowman, Adonis G. E., Winnipeg, Manitoba, Canada. Score-counter. No. 1,289,838; Dec. 31; v. 257; p.1016.
Lowman, Herbert A. (See Judson and Lowman.)
Lowman, Herbert A., Wilmington, assignor to Sea Products Company, Long Beach, Cal. Kelp-harvester. No. 1,280,781; Oct. 8; v. 255; p. 211.
Lowrance, John F., Middleton, Tenn. Receptacle-cover. No. 1,284,390; Nov. 12; v. 256; p. 280.
Lowres, George J., Newark, N. J. Slip-on removable lens-rims for spectacles, &c. No. 1,269,624; June 18; v. 251; p. 485.
Lowrey, George A., Baltimore, Md. Roundabout. No. 1,277,614; Sept. 3; v. 254; p. 78.
Lowrey, William M., Pomona, Cal. Spring shade-roller. No. 1,277,965; Sept. 3; v. 254; p. 174.
Lowrimore, Marion H., Ohatchee, Ala. Funnel. No. 1,272,477; July 16; v. 252; p. 543.
Lowry, George A., Jacksonville, Fla. Magazine feed apparatus for shredding and spinning machines. No. 1,258,795; Mar. 12; v. 248; p. 284.
Lowry, Thomas K., Chicago, Ill. Method and means for dehairing. No. 1,254,248; Jan. 22; v. 246; p. 895.
Lowther, Thomas J., Gulfport, Miss. Sheathing or casing for hulls of water-craft. No. 1,281,182; Oct. 8; v. 255; p. 321.
Lowy, Adolph, New York, N. Y. Hinge. No. 1,289,489; Dec. 31; v. 257; p. 931.
Lowy, Emil M., New York, N. Y., assignor to Lowy Life Saving Suit Corporation. Life-saving garment. No. 1,289,839; Dec. 31; v. 257; p. 1016.
Lowy, Julius E., New York, N. Y. Carton. No. 1,286,038; Nov. 26; v. 256; p. 772.
Lowy Life Saving Suit Corporation. (See Lowy, Emil M., assignor.)
Lowy, Morris, New York, assignor to Englander Spring Bed Co., Brooklyn, N. Y. Folding cot. No. 1,263,911; Apr. 23; v. 249; p. 898.
Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Tunnel mold-form. No. 1,273,244; July 23; v. 252; p. 783.
Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Tunnel and sewer mold form. No. 1,279,561; Sept. 24; v. 254; p. 681.
Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Tunnel mold-form. No. 1,285,266; Nov. 1; v. 256; p. 537.
Loy, Banks W., Gibsonville, N. C. Cutter for looping-machines. No. 1,265,689; May 7; v. 250; p. 221.
Loyer, Alfred A., Laredo, Tex. Towing device for vehicles. No. 1,286,367; Dec. 3; v. 257; p. 45.
Loyer, Joseph C. and O. M., Detroit, Mich. Machine for making composition shingles. No. 1,273,388; July 23; v. 252; p. 821.
Loyer, Oliver M. (See Loyer, Joseph C. and O. M.)
Loyland, Betsie K., Thief River Falls, Minn. Portable smoke-house. No. 1,280,054; Sept. 24; v. 254; p. 822.
Loyster, James A., Cazenovia, and D. M. Tuttle, Canastota, N. Y. Workman's time-recorder. No. 1,280,506; Oct. 1; v. 255; p. 109.
Lozier, Charles E., Elyria, Ohio. Bearing-lubricator. No. 1,271,737; July 9; v. 252; p. 309.
Lubas, Yoshep, Chicago, Ill. Adjustable bed-table. No. 1,280,257; Oct. 1; v. 255; p. 40.
Lubberger, Fritz, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Ring-back arrangement for telephone party-lines. No. 1,280,256; Oct. 1; v. 255; p. 39.
Lubberger, Fritz, assignor to Automatic Electric Company, Chicago, Ill. Automatic release for telephone systems. No. 1,280,782; Oct. 8; v. 255; p. 212.
Lubberger, Fritz, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Ring-back arrangement for common-battery telephone party-lines. No. 1,280,783; Oct. 8; v. 255; p. 212.
Lubenow, Arthur W., Milwaukee, Wis. Feed mechanism for screw-machines. No. 1,288,072; Dec. 17; v. 257; p. 533.
Lucas, Abraham N., Milwaukee, Wis. Headlight-cover. No. 1,268,133; June 4; v. 251; p. 19.
Lucas, Anthony F., and G. M. S. Tait, Washington, D. C.; said Tait assignor to said Lucas. Mining sulfur. No. 1,259,536; Mar. 19; v. 248; p. 528.
Lucas, Anthony F., and G. M. S. Tait, Washington, D. C.; said Tait assignor to said Lucas. Mining sulfur. No. 1,259,537; Mar. 19; v. 248; p. 528.
Lucas, Arthur C., *et al.* (See Smith, Elta C., assignor.)
Lucas, August L., New Haven, Conn. Fishpole. No. 1,276,780; Aug. 27; v. 253; p. 772.
Lucas, Auguste R., Paris, France. Roller-skate. No. 1,261,568; Apr. 2; v. 249; p. 164.
Lucas, Charles E., Toronto, Ontario, Canada. Mail-box letter-indicator. No. 1,262,816; Apr. 16; v. 249; p. 573.
Lucas, Charles E., Toronto, Ontario, Canada. Odorless garbage-receptacle. No. 1,286,368; Dec. 3; v. 257; p. 46.
Lucas, John E., Brockton, assignor to F. R. Woodward, Newton, Mass. Machine for making welts. No. 1,278,956; Sept. 17; v. 254; p. 495.
Lucas, Mahlon H., Moshannon, Pa. Valve-actuator. No. 1,261,949; Apr. 9; v. 249; p. 302.
Lucas, Marshall Y., Boise, Idaho. Bulb. No. 1,271,184; July 2; v. 252; p. 122.
Lucas, Noah E., Norwich, Conn. Underclearer-roll. No. 1,274,570; Aug. 6; v. 253; p. 66.
Lucas, Paul, Friedenau, near Berlin, Germany. Wick-vaporizer. No. 1,268,027; May 28; v. 250; p. 962.
Lucas, Robert M., Chicago, Ill. Automatic lubricator. No. 1,274,298; July 30; v. 252; p. 1108.
Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay. No. 1,272,973; July 16; v. 252; p. 684.
Lucas, William A., Moorewood, Okla. Rail-tie. No. 1,259,756; Mar. 19; v. 248; p. 590.
Lucas, William B., Oak Park, assignor of one-fourth to G. S. Ellithorpe and one-fourth to F. T. Ellithorpe, Chicago, Ill. Electric vaporizer and heater. No. 1,258,231; Mar. 5; v. 248; p. 81.
Luce, Charles J., Niantic, Conn., assignor, by mesne assignments, to Standard Compress and Warehouse Corporation. Cotton-compress. No. 1,261,043; Apr. 2; v. 249; p. 16.
Luce, Grafton E., Chicago, assignor, by mesne assignments, to C. A. Brown, Hinsdale, Ill. Burner-nozzle and connection therefor. No. 1,286,039; Nov. 26; v. 256; p. 772.
Luce, Thomas C., Stratford, Conn. Folding automobile oil-gage. No. 1,259,538; Mar. 19; v. 248; p. 528.
Luce, Thomas C., Stratford, Conn. Automobile steering device. No. 1,259,539; Mar. 19; v. 248; p. 529.
Lucey Manufacturing Corporation. (See Petersen, Sverre, assignor.)
Lucey Manufacturing Corporation. (See White, Carl, Jr., assignor.)
Lucke, Charles E., New York, N. Y. Apparatus for preventing pulsations in gas-mains. No. 1,253,845; Jan. 15; v. 246; p. 762.
Lucke, Charles E., assignor to Gas and Oil Combustion Company, New York, N. Y. Apparatus for burning explosive gaseous mixtures. No. 1,259,029; Mar. 12; 248; p. 354.
Luckett, Philip A., Salisbury, Md. Union-pajamas. No. 1,267,677; May 28; v. 250; p. 868.
Luckett, Philip A., Salisbury, Md. Union-suit. No. 1,284,391; Nov. 12; v. 256; p. 280.

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Luckiesh, Matt, Cleveland, Ohio, assignor to General Electric Company. Fountain. No. 1,280,784; Oct. 8; v. 255; p. 213.
Lucoff, Wasel, Mond Mine, Ontario, Canada. Pistol-sword. No. 1,278,363; Sept. 10; v. 254; p. 305.
Ludeke, Emil, Rochester, N. Y. Fastening device. No. 1,274,064; July 30; v. 252; p. 1043.
Ludekens, Oona, assignor to The Wite-Kat Soap Company, San Francisco, Cal. Soap and making the same. No. 1,276,383; Aug. 20; v. 253; p. 628.
Ludeman, Edwin H., New York, N. Y. Method of and means for cooling internal-combustion engines. No. 1,256,709; Feb. 19; v. 247; p. 543.
Ludford, Frederick. (See Ewers and Ludford.)
Ludington, Lawrence L., assignor to Ball Brothers Glass Manufacturing Company, Muncie, Ind. Mechanical movement. No. 1,252,823; Jan. 8; v. 246; p. 432.
Ludlam, Evelyn M., Waltham, Mass. Catnip mouse. No. 1,265,926; May 14; v. 250; p. 321.
Ludlow Typograph Company, The. (See Reade, William A., assignor.)
Ludtke, Herman, Morris, Ill. Parachute. No. 1,266,508; May 14; v. 250; p. 479.
Ludwick, Edward C., assignor of one-third to C. E. Harris and one-third to F. A. Wise, Basin, Wyo. Collapsible automobile-rim. No. 1,277,090; Aug. 27; v. 253; p. 855.
Ludwick, Wayne D., near Tacoma, Wash., assignor to Electric Heating Company. Electric water-heater. No. 1,273,389; July 23; v. 252; p. 821.
Ludwig, Edmund B., Kansas City, Mo. Device for applying antislipping-chains to pneumatic tires. No. 1,266,507; May 14; v. 250; p. 479.
Ludwig, Edward I., Babylon, N. Y. Left-over ice-box file. No. 1,278,695; Sept. 10; v. 254; p. 395.
Ludwig Hupfeld Aktiengesellschaft. (See Frömsdorf, Robert, assignor.)
Ludwig Hubfeld Aktiengesellschaft. (See Hennig, Gustav K., assignor.)
Luebbert, Joseph, and L. Stephany, Philadelphia, Pa. Detachable non-skid device for vehicle-wheels. No. 1,268,257; June 4; v. 251; p. 52.
Luebkert, Frederick E., Brooklyn, N. Y. Power-transmission mechanism. No. 1,258,796; Mar. 12; v. 248; p. 285.
Lueckenhoff, Clemens H., Sciotoville, Ohio. Tire-supporting bracket. No. 1,281,609; Oct. 15; v. 255; p. 468.
Lueders, Henry J., assignor of one-half to F. Treuleben, Washington, D. C. Treating bread. No. 1,282,251; Oct. 22; v. 255; p. 682.
Lueders, Henry J., assignor of one-half to F. Treuleben, Washington, D. C. Apparatus for treating bread. No. 1,282,252; Oct. 22; v. 255; p. 682.
Luellen, Lawrence W., Boonton, N. J., assignor to Individual Drinking Cup Company, New York, N. Y. Cup-container. No. 1,256,913; Feb. 19; v. 247; p. 603.
Luellen, Lawrence W., Mountain Lakes, N. J., assignor to Individual Drinking Cup Company, New York, N. Y. Dispensing device. No. 1,261,950; Apr. 9; v. 249; p. 302.
Luellen, Lawrence W., assignor to Individual Drinking Cup Company, New York, N. Y. Cup-container. No. 1,264,950; May 7; v. 250; p. 21.
Luellen, Lawrence W., Mountain Lakes, N. J., assignor to Individual Drinking Cup Company, New York, N. Y. Receptacle. No. 1,273,891; July 30; v. 252; p. 994.
Luellen, Lawrence W., assignor to Individual Drinking Cup Company, New York, N. Y. Cup. No. 1,284,728; Nov. 12; v. 256; p. 363.
Luense, Frederick H., Stapleton, N. Y. Propeller. No. 1,261,141; Apr. 2; v. 249; p. 42.
Luettschwager, Francis D., Tucson, Ariz. Garment-support. No. 1,268,028; May 28; v. 250; p. 962.
Luff, Walter F., and A. W. Turner, Handsworth, Birmingham, England. Aircraft. No. 1,278,179; Sept. 10; v. 254; p. 255.
Lufkin, George A. (See Saylor, Franklin G., assignor.)
Lufkin Rule Company, The. (See Buck, Fred, assignor.)
Lugrin, Horatio N. H., Winthrop, Mass. Window-screen. No. 1,278,957; Sept. 17; v. 254; p. 495.
Luick, Frank J., Belding, Mich. Current water-wheel. No. 1,275,951; Aug. 13; v. 253; p. 475.
Lukacher, Leon, Chicago, Ill. Coin-holder. No. 1,289,840; Dec. 31; v. 257; p. 1016.
Luke, Frank H., and C. R. Millar, Tarquah, Gold Coast Colony, Africa. Valve and tap. No. 1,252,910; Jan. 8; v. 246; p. 456.
Lukens, John G., Wheeling, W. Va. Sight-glass for water-cooling systems. No. 1,260,411; Mar. 26; v. 248; p. 813.
Lukus, Alina, Flagstaff, Ariz. Washtub. No. 1,272,478; July 16; v. 252; p. 543.
Lum, Walter O., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,255,447; Feb. 5; v. 247; p. 96.
Lum, Walter O., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Auto-starter. No. 1,269,625; June 18; v. 251; p. 485.
Lum, Walter O., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,286,040; Nov. 26; v. 256; p. 772.
Lum, Walter O., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,287,714; Dec. 17; v. 257; p. 443.
Lumb, Ralph G., Pawtucket, R. I. Tonneau wind-shield for automobiles. No. 1,262,364; Apr. 9; v. 249; p. 417.
Lumber Tie and Timber Vulcanizing Company. (See Fish, Frederick K., Jr., assignor.)
Lumiere, Louis, Lyons, France, assignor to Victor Talking Machine Company. Acoustical instrument. No. 1,253,613; Jan. 15; v. 246; p. 694.
Luminous Unit Co. (See Guth, Edwin F., assignor.)
Lumley, Joseph A., Chicago, Ill. Knee pad and protector. No. 1,269,829; June 18; v. 251; p. 543.
Lumm, Albert H., Toledo, Ohio. Ventilator. No. 1,254,517; Jan. 22; v. 246; p. 972.
Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Feeding mechanism for gas-producers. No. 1,270,962; July 2; v. 252; p. 59.
Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Feeding mechanism for gas-producers. No. 1,270,963; July 2; v. 252; p. 60.
Lummis, Charles W., Worcester, Mass., assignor to Morgan Construction Company. Feeding mechanism for gas-producers. No. 1,274,176; July 30; v. 252; p. 1075.
Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Heating-furnace. No. 1,279,889; Sept. 24; v. 254; p. 777.
Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Feeding mechanism for gas-producers. (Reissue.) No. 14,548; Nov. 12; v. 256; p. 422.
Lund, Carl C. P., Oakfield, Wis. Kitchen article. No. 1,266,289; May 14; v. 250; p. 421.
Lund, Charles W., Willow, Cal. Whistle. No. 1,272,822; July 16; v. 252; p. 642.
Lund, Edward K., Wigan, England. Internal-combustion engine. No. 1,285,267; Nov. 19; v. 256; p. 538.
Lund, Henry J. (See Salo and Lund.)
Lund, James L., New York, N. Y. Cleaning-machine. No. 1,273,077; July 16; v. 252; p. 712.
Lund, Thomas, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Beading-tool. No. 1,267,429; May 28; v. 250; p. 794.
Lund, Thomas, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Grinding-machine. No. 1,273,892; July 30; v. 252; p. 995.
Lund, Thomas, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Feeding mechanism for shoe-machines. No. 1,284,729; Nov. 12; v. 256; p. 363.
Lundahl, Louis J., Chicago, Ill. Paint-mixing tool. No. 1,281,610; Oct. 15; v. 255; p. 469.
Lundberg, Carl E., Spokane, Wash. Stand for calendar-pads. No. 1,283,238; Oct. 29; v. 255; p. 978.
Lundberg, Elof K. H., Bruzaholm, Sweden. Smelting-furnace. No. 1,278,693; Sept. 10; v. 254; p. 396.
Lundberg, Jacob O., Flateby, near Lilleströmmen, Norway. Process of producing chemical wood-pulp. No. 1,257,290; Feb. 19; v. 247; p. 715.
Lundberg, Nils G. O. (See Ohlson and Lundberg.)
Lunde, Alfred T., Union, N. D. Funnel. No. 1,267,780; May 28; v. 250; p. 892.
Lundeen, Andy P., Galesburg, Ill. Bottle-capping machine. No. 1,260,220; Mar. 19; v. 248; p. 723.
Lundell, Alben E. (See Reeves and Lundell.)
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. No. 1,251,544; Jan. 1; v. 246; p. 29.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,252,461; Jan. 8; v. 246; p. 328.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,252,911; Jan. 8; v. 246; p. 457.
Lundell, Alben E., assignor to Western Electric Company, New York, N. Y. Selector-switch-movement-controlling circuit. No. 1,254,710; Jan. 29; v. 246; p. 1058.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,254,711; Jan. 29; v. 246; p. 1058.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,254,712; Jan. 29; v. 246; p. 1059.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. No. 1,257,720; Feb. 26; v. 247; p. 876.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,260,412; Mar. 26; v. 248; p. 813.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,263,083; Apr. 16; v. 249; p. 650.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,271,185; July 2; v. 252; p. 122.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,271,186; July 2; v. 252; p. 122.

Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,271,335; July 2; v. 252; p. 164.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,271,336; July 2; v. 252; p. 164.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,271,337; July 2; v. 252; p. 164.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit-interrupting device. No. 1,272,279; July 9; v. 252; p. 461.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,272,280; July 9; v. 252; p. 461.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic switching device. No. 1,273,245; July 23; v. 252; p. 783.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,276,549; Aug. 20; v. 253; p. 673.
Lundell, Alben E., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,277,440; Sept. 3; v. 254; p. 30.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,278,697; Sept. 10; v. 254; p. 396.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Call-indicating system. No. 1,280,258; Oct. 1; v. 255; p. 40.
Lundell, Alben E., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,284,392; Nov. 12; v. 256; p. 280.
Lundell, Alben E., assignor to Western Electric Company, New York, N. Y. Party-line ringing system. No. 1,284,730; Nov. 12; v. 256; p. 363.
Lundell, Alben E., New York, N. Y., and F. A. Stearn, Paterson, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,257,370; Feb. 26; v. 247; p. 770.
Lundell, Alben E., New York, N. Y., and F. A. Stearn, Paterson, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Listening-key circuits. No. 1,260,413; Mar. 26; v. 248; p. 813.
Lundell, Alben E., New York, N. Y., and H. G. Eddy, Bayonne, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing-sender. No. 1,277,615; Sept. 3; v. 254; p. 78.
Lundell, William A., Sioux Falls, S. D. Grain-shocking machine. No. 1,277,616; Sept. 3; v. 254; p. 79.
Lundén, Harald L. R. (See Thorssell and Lundén.)
Lundgren, Carl, Greeley, Colo. Device for supporting sickle-blades when sharpening. No. 1,277,966; Sept. 3; v. 254; p. 174.
Lundgren, Harry, and F. Teberg, Oakland, Cal. Ticket-canceling machine. No. 1,273,390; July 23; v. 252; p. 821.
Lundgren, Ludvig, Youngstown, Ohio. Advertising attraction-form. No. 1,267,567; May 28; v. 250; p. 832.
Lundgren, Olof A., assignor of one-third to A. Schneider, Cleveland, Ohio. Driving-gear for motor-vehicles. No. 1,265,690; May 7; v. 250; p. 221.
Lundin, Andreas P., and H. W. Broady, Bayside, assignors to American Balsa Corporation, Long Island City, N. Y. Heat-insulative container. No. 1,288,073; Dec. 17; v. 257; p. 533.
Lundin, Frederick. (See Le Beau, Fernando J., assignor.)
Lundin, Gustaf W., Bellevue, Iowa. Connecting device for train telephone-lines. No. 1,273,246; July 23; v. 252; p. 783.
Lundius, Eric R., Brooklyn, assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,281,611; Oct. 15; v. 255; p. 469.
Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone switching system. No. 1,251,545; Jan. 1; v. 246; p. 29.
Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switching mechanism. No. 1,252,462; Jan. 8; v. 246; p. 329.
Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,252,463; Jan. 8; v. 246; p. 329.
Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switching mechanism. No. 1,253,698; Jan. 15; v. 246; p. 720.
Lundquist, Frank A., assignor to Western Electric Company, New York, N. Y. Automatic switch. No. 1,254,713; Jan. 29; v. 246; p. 1059.
Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. No. 1,273,247; July 23; v. 252; p. 783.
Lundquist, Frank A., assignor to The Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,277,091; Aug. 27; v. 253; p. 855.
Lundquist, Frank A., assignor to Western Electric Company, New York, N. Y. Selecting-switch. No. 1,283,831; Nov. 5; v. 256; p. 104.
Lundquist, Frank A., assignor to Western Electric Company Incorporated, New York, N. Y. Automatic selecting-switch. No. 1,287,715; Dec. 17; v. 257; p. 443.
Lundquist, Frank A., New York, N. Y., assignor to C. L. Redfield, trustee, Chicago, Ill. Automatic telephone-exchange. No. 1,264,826; Apr. 30; v. 249; p. 1182.
Lundquist, Frank A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. No. 1,251,985; Jan. 1; v. 246; p. 160.
Lundquist, Frank A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,252,464; Jan. 8; v. 246; p. 330.
Lundquist, Frank A., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Automatic switch. No. 1,287,716; Dec. 17; v. 257; p. 444.
Lundqvist, Hilding, Floral Park, N. Y. Closure for flexible receptacles. No. 1,277,327; Aug. 27; v. 253; p. 916.
Lundstrom, Charles G., Vero, Fla. Fertilizer-dropping device. No. 1,270,849; July 2; v. 252; p. 27.
Lundstrom, Elmer E., Stuart, Iowa. Funnel. No. 1,289,490; Dec. 31; v. 257; p. 931.
Lundy, Beverly A., Albany, N. Y., assignor to Hall Switch & Signal Co. Adjustable resistance unit. No. 1,276,384; Aug. 20; v. 253; p. 628.
Lungstras Dyeing & Cleaning Company. (See Lungstras, Paul, assignor.)
Lungstras, Paul, assignor to Lungstras Dyeing & Cleaning Company, St. Louis, Mo. Coat stretching or tensioning device. No. 1,255,448; Feb. 5; v. 247; p. 96.
Luning, Ernest C. (See Bryant and Luning.)
Lunken, Edmund H., Cincinnati, Ohio. Screen device for pocket-windows. No. 1,259,113; Mar. 12; v. 248; p. 377.
Lunken, Edmund H., Cincinnati, Ohio. Screening device for pocket-windows. No. 1,259,114; Mar. 12; v. 248; p. 377.
Lunken, Edmund H., Cincinnati, Ohio. Pocket-window screen. No. 1,259,115; Mar. 12; v. 248; p. 377.
Lunken, Edmund H., Cincinnati, Ohio. Window. No. 1,285,269; Nov. 19; v. 256; p. 538.
Lunken, Edmund H., Cincinnati, Ohio. Window. No. 1,285,270; Nov. 19; v. 256; p. 538.
Lunken, Edmund H., Cincinnati, Ohio. Window. No. 1,285,271; Nov. 19; v. 256; p. 538.
Lunken, Edmund H., Cincinnati, Ohio. Pocket window-screen. No. 1,285,754; Nov. 26; v. 256; p. 700.
Lunkenheimer Company, The. (See Aull, Jerome J., assignor.)
Lunkenheimer Company, The. (See Jones, David C., assignor.)
Lunn, Guy W. (See Aurand, Frank E., assignor.)
Luongo, Vincent J., Brooklyn, N. Y. Dental tool. No. 1,278,066; Sept. 3; v. 254; p. 200.
Lupien, Henry J. (See Jones, Fred E., assignor.)
Lupinski, Max, Milwaukee, Wis. Safety device for refrigerator-machines. No. 1,280,259; Oct. 1; v. 255; p. 40.
Luppino, Joseph, Brooklyn, N. Y. Davenport sofa-bed. No. 1,269,830; June 18; v. 251; p. 543.
Lurcott, Winfred N. (See Goelkel and Lurcott.)
Lurie, Bernard, New York, N. Y. Key-gage. No. 1,279,384; Sept. 17; v. 254; p. 611.
Lurker, Edward, assignor to Haynes Stellite Co., Kokomo, Ind. Milling-cutter. No. 1,273,248; July 23; v. 252; p. 784.
Lurker, Edward, assignor to Haynes Stellite Co., Kokomo, Ind. Cutting-tool for lathes, planers, shapers, and the like. No. 1,273,249; July 23; v. 252; p. 784.
Lurker, Edward, assignor to The Haynes Stellite Co., Kokomo, Ind. Process or method of making cutters. No. 1,277,441; Sept. 3; v. 254; p. 31.
Lurz, Henry, Jersey City, N. J. Kite. No. 1,265,797; May 14; v. 250; p. 283.
Luscomb, Otis K., Allston, Mass. Power plant. No. 1,275,577; Aug. 13; v. 253; p. 370.
Lussy, Fritz, Schrofen-Oberaach, Switzerland. Collar-protector. No. 1,258,581; Mar. 5; v. 248; p. 185.
Lustig, Leo, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Tube-clamp. No. 1,281,860; Oct. 15; v. 255; p. 519.
Lustig, Maxwell, Brooklyn, assignor to P. Becker, New York, N. Y. Toy airship. No. 1,288,946; Dec. 24; v. 257; p. 772.
Luten, Daniel B., Indianapolis, Ind. Retaining-wall tie. No. 1,278,364; Sept. 10; v. 254; p. 306.
Lutes, William H. (See Marx, Lutes, Sweet, and Hand.)
Luth, William, Albion, Nebr. Light-shield. No. 1,273,637; July 23; v. 252; p. 888.
Luther Grinder Manufacturing Company. (See Bethke, Leo, assignor.)
Luther Grinder Manufacturing Company. (See Panyard, Thomas A., assignor.)
Luther, William M., San Francisco, Cal. Fruit slicing and spreading machine. No. 1,269,291; June 11; v. 251; p. 362.
Luthman, Charles H., Hammond, Ind., assignor to National Surface Guard Company, Chicago, Ill. Tie-tongs. No. 1,287,369; Dec. 10; v. 257; p. 328.
Luthy, Joseph A., Austin, Tex. Identification-tag. No. 1,277,967; Sept. 3; v. 254; p. 174.

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Lutkiewicz, Joseph J., Perrysburg, Ohio. Operating mechanism for churns. No. 1,279,890; Sept. 24; v. 254; p. 777.
Lutkins, Clinton S. (See Ellis, Carleton, assignor.)
Lutolf, Joseph, assignor to Swiss Manufacturing Company, San Francisco, Cal. Dish-washing apparatus. No. 1,285,272; Nov. 19; v. 256; p. 539.
Lutz, Burdette C. (See Smith, Wilbur C., assignor.)
Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Pittsburgh, Pa. Means for protecting conduit or pipe threads. No. 1,271,187; July 2; v. 252; p. 123.
Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Pittsburgh, Pa. Conduit or conductor. No. 1,275,279; Aug. 13; v. 253; p. 288.
Lutz, Harvey A., Mount Joy, Pa. Train-operated crossing-gate. No. 1,255,900; Feb. 12; v. 247; p. 268.
Lutz, Herbert, assignor of one-half to G. Morris, Hamilton, Ontario, Canada. Refillable-fuse cartridge. No. 1,282,606; Oct. 22; v. 255; p. 778.
Lutz, Samuel M., Kingman, Kans. Grain-lifting device. No. 1,287,057; Dec. 10; v. 257; p. 249.
Lutz, Walter, Knoxville, Tenn. Display-rack. No. 1,286,682; Dec. 3; v. 257; p. 120.
Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. Locking mechanism. No. 1,288,074; Dec. 17; v. 257; p. 533.
Lux, Jacob, Edgeley, N. D. Railway-crossing signal. No. 1,274,177; July 30; v. 252; p. 1075.
Luxmoore, William J., London, England. Heel of boots and shoes. No. 1,261,569; Apr. 2; v. 249; p. 165.
Luxmore, William, Chicago, Ill. Tweezers. No. 1,257,262; Feb. 19; v. 247; p. 705.
Luxmore, William, Chicago, Ill. Spring terminal clip. No. 1,273,250; July 23; v. 252; p. 784.
Luxmore, William, Chicago, Ill. Vehicle driving mechanism. No. 1,275,952; Aug. 13; v. 253; p. 475.
Luzzi, August F., Houston, Tex. Attachment for dental instruments. No. 1,285,273; Nov. 19; v. 256; p. 539.
Lyall, Arthur V., New York, N. Y. Vehicle-wheel. No. 1,254,613; Jan. 22; v. 246; p. 1000.
Lybolt, Arthur E., Kansas City, Mo. Shade-roller. No. 1,266,290; May 14; v. 250; p. 421.
Lycan, Albert E., Kooskia, Idaho. Trap. No. 1,272,974; July 16; v. 252; p. 685.
Lyche, Leo A., Sandviken, near Christiania, Norway. Apparatus for drying paper, pasteboard, wood-pulp, and other materials. No. 1,271,738; July 9; v. 252; p. 309.
Lydick, George E., Pueblo, Colo. Liquid-fuel burner. No. 1,256,914; Feb. 19; v. 247; p. 603.
Lydon, Richard P. (See Midboe and Pittman, assignors.)
Lyes, Ada, Paeroa, New Zealand. Envelop. No. 1,282,443; Oct. 22; v. 255; p. 734.
Lyhne, Anker S., Bridgeport, Conn. Combination-case for flash-lights. No. 1,253,846; Jan. 15; v. 246; p. 763.
Lyle, Alexander B., assignor to Stickney & Montague, Chattanooga, Tenn. Addressing-machine. No. 1,255,544; Feb. 5; v. 247; p. 125.
Lyle, Claude P., assignor of one-half to Dowman-Dozier M'f'g Co., Atlanta, Ga. Ventilating device. No. 1,263,912; April 23; v. 249; p. 899.
Lyle, Jesse, assignor of one-third to S. S. Epperson and one-third to H. L. Pritchett, Danville, Va. Bunch-builder attachment. No. 1,260,414; Mar. 26; v. 248; p. 814.
Lyle, John S., McLoud, Okla. Agricultural implement. No. 1,273,251; July 23; v. 252; p. 784.
Lyle, Robert W., assignor to W. J. Lyle, South River, N. J. Building construction and block therefor. No. 1,265,220; May 7; v. 250; p. 96.
Lyle, William J. (See Lyle, Robert W., assignor.)
Lyman, Eugene A., Mount Vernon, N. Y. Demountable rim. No. 1,264,827; Apr. 30; v. 249; p. 1183.
Lyman Gun Sight Corporation, The. (See Grant, David, assignor.)
Lymburner, Arthur P. (See Dupont, Joseph M., assignor.)
Lynam, Edwin B., Little Rock, Ark. Latch device. No. 1,284,393; Nov. 12; v. 256; p. 280.
Lynam, Edwin B., Little Rock, Ark. Direction-indicator for vehicles. No. 1,259,644; Mar. 19; v. 248; p. 557.
Lynch Brennan Inc. (See Lynch, Joseph, assignor.)
Lynch, Buford A. (See Weaver, John W., assignor.)
Lynch, Chester L., assignor of one-half to J. N. Shaw, Seattle, Wash. Electrically-operated crossing-signal. No. 1,261,251; Apr. 2; v. 249; p. 73.
Lynch, Christian W., *et al.* (See Allen, Benjamin T., assignor.)
Lynch, Floyd W., Houston, Tex. Attachment for internal-combustion engines. No. 1,289,841; Dec. 31; v. 257; p. 1017.
Lynch, George C., New York, N. Y. Lamp. No. 1,264,669; Apr. 30; v. 249; p. 1141.
Lynch, Jerome E., assignor to Lynch & Woodward, Boston, Mass. Controller. No. 1,264,313; Apr. 30; v. 249; p. 1041.
Lynch, Joseph, Dumont, N. J., assignor to Lynch Brennan Inc., New York, N. Y. Frame. No. 1,253,847; Jan. 15; v. 246; p. 763.
Lynch, William H., Clayton, N. Mex. Broom-corn seeder and engine. No. 1,266,835; May 21; v. 250; p. 602.
Lynch & Woodward. (See Lynch, Jerome E., assignor.)
Lyndale, John. (See Daley and Lyndale.)
Lynde, Francis G. (See Calthrop and Lynde.)
Lynde, Frank G., assignor to Lauter Company, Newark, N. J. Pneumatic action for player-pianos. No. 1,282,444; Oct. 22; v. 255; p. 734.
Lynde, Frank G., assignor to Lauter Company, Newark, N. J. Pneumatic hammer-action. No. 1,266,965; May 21; v. 250; p. 637.
Lynde, Frank G., assignor to Lauter Company, Newark, N. J. Pneumatic motor. No. 1,270,426; June 25; v. 251; p. 729.
Lynde, Frank G., assignor to Lauter Company, Newark, N. J. Pneumatic action. No. 1,271,188; July 2; v. 252; p. 123.
Lynds, Alva L., Akron, Ohio. Routing or filling case. No. 1,276,781; Aug. 27; v. 253; p. 772.
Lynds, Jesse H., Muskogee, Okla. Wrench. No. 1,284,731; Nov. 12; v. 256; p. 364.
Lynn, Alan G. (See De Montluzin and Lynn.)
Lynn, Alger M. (See Richardson and Lynn.)
Lyon, Earle S., New York, N. Y. Non-glaring headlight. No. 1,261,570; Apr. 2; v. 249; p. 165.
Lyon, Edwin R., Queen, N. Mex. Toy. No. 1,268,029; May 28; v. 250; p. 962.
Lyon, George A., Philadelphia, Pa. Supporting device for automobile-buffers. No. 1,266,836; May 21; v. 250; p. 602.
Lyon, George A., assignor to Lyon Non-Skid Company, Philadelphia, Pa. Bumper-mounting for motor-cars. No. 1,289,491; Dec. 31; v. 257; p. 931.
Lyon, Gustave. (See Coleman, Robert F., assignor.)
Lyon, Harold L., and S. S. Peck, Honolulu, Hawaii. Making decolorizing agents and the products thereof. No. 1,251.546; Jan. 1; v. 246; p. 30.
Lyon & Healy. (See Kirk, Walter I., assignor.)
Lyon & Healy. (See Laubach, Franz H., assignor.)
Lyon & Healy. (See McDonald, David A., assignor.)
Lyon, Henry A., Solomon, Kans. Ignition system for explosion-engines. No. 1,262,531; Apr. 9; v. 249; p. 463.
Lyon, Howard, Gloucester City, assignor to Welsbach Light Company, Gloucester, N. J. Protecting device for incandescent lamps. No. 1,251,547; Jan. 1; v. 246; p. 30.
Lyon, John S., assignor of one-half to T. C. Uhlen, Rochester, N. Y. Convertible baby-bed. No. 1,273,638; July 23; v. 252; p. 888.
Lyon Non-Skid Company. (See Lyon, George A., assignor.)
Lyon, Robert V., Buffalo, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio. Curtain stretcher and drier. No. 1,285,274; Nov. 19; v. 256; p. 539.
Lyon, William T., Portland, Oreg. Dental appliance. No. 1,283,240; Oct. 29; v. 255; p. 979.
Lyons, Edgar S. (See Robb and Lyons.)
Lyons, Harry C. (See Larkin, Frank M., assignor.)
Lyons, Harry C., New York, N. Y. Coffee-urn. No. 1,251,548; Jan. 1; v. 246; p. 30.
Lyons, Harry C., New York, N. Y. Liquid-dispenser. No. 1,272,688; July 16; v. 252; p. 604.
Lyons, Harry C., New York, N. Y. Liquid-dispensing means. No. 1,288.629; Dec. 24; v. 257; p. 696.
Lyons, J. H. (See Croker, Stephen G., assignor.)
Lyons, James, New York, N. Y. Check-book. No. 1,283,241; Oct. 29; v. 255; p. 979.
Lyons, James G., Stockton, Cal. Flag attachment for parasols. No. 1,288,630; Dec. 24; v. 257; p. 696.
Lyons, John C., McComb, Miss. Locomotive-axle thrust and reinforce. No. 1,283,441; Oct. 29; v. 255; p. 1031.
Lyons, John G., New York, N. Y. Christmas-tree holder. No. 1,273,639; July 23; v. 252; p. 889.
Lyons, Robert L., Waltham, Mass., assignor to The Frederick Osann Company, New York, N. Y. Fastening device. No. 1,257,263; Feb. 19; v. 247; p. 705.
Lyons, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Sewing-machine. No. 1,272,065; July 9; v. 252; p. 402.
Lyons, Robert L., Waltham, Mass., assignor to The Frederick Osann Company, New York, N. Y. Sewing-machine having thread-cutting devices. No. 1,272,066; July 9; v. 252; p. 402.
Lyons, Robert L., Waltham, Mass., assignor to The Frederick Osann Company, New York, N. Y. Sewing-machine. No. 1,272,067; July 9; v. 252; p. 403.
Lyons, Robert L., Waltham, H. W. Morris, Roxbury, and C. I. Nielsen, Arlington, Mass., assignors to Frederick Osann Company, New York, N. Y. Sewing-machine. No. 1,253,614; Jan. 15; v. 246; p. 694.
Lyons, Robert L., Waltham, Mass., assignor to The Frederick Osann Company, New York, N. Y. Sewing-machine. No. 1,288,075; Dec. 17; v. 257; p. 533.
Lyons, Robert L., Waltham, H. W. Morris, Roxbury, and C. I. Nielsen, Arlington, Mass., assignors to Frederick Osann Company, New York, N. Y. Sewing-machine. No. 1,288,076; Dec. 17; v. 257; p. 533.
Lyraphone Company of America. (See Samuels, Mark J., assignor.)
Lyster, Frank. (See Jones, Alva D., assignor.)
Lyttle, Rowland. (See Jesurun and Lyttle.)
M. Scheuer & Bro. (See Germain, Don A., assignor.)
M. Schulz Company. (See Gustafson, Adolph P., assignor.)
M. Welte & Sons. (See Bockisch, Heinrich, assignor.)

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M. Welte & Sons. (See Welte, Carl M., assignor.)
M. A. Hofft Company, The. (See Hofft, Maurice A., assignor.)
M. H. Detrick Co. (See Detrick, Myron H., assignor.)
M. W. Kellogg Company, The. (See Holinger, Emil F., assignor.)
M. D. Knowlton Company. (See De Smith, Henry, assignor.)
M. D. Knowlton Company. (See Feeley, Frank G., assignor.)
M. D. Knowlton Company. (See Hawkins, Edgar M., assignor.)
M. D. Knowlton Company. (See Hawkins and Hoch, assignors.)
M. D. Knowlton Company. (See Seymour, Charles R., assignor.)
M. C. Lilley & Company, The. (See Lindenberg, Carl R., assignor.)
M. C. Peters Mill Co. (See Shamblen, Lester B., assignor.)
M. H. Treadwell Company. (See Astrom, Carl P., assignor.)
M and T Button Company. (See Marcy and Thayer, assignors.)
M and T Button Company. (See Thayer, Granville F., assignor.)
M. T. R. Manufacturing Company, The. (See McKenzie, John L., assignor.)
Maag, Max, Zurich, Switzerland. Gear-cutting machine. No. 1,266,839; May 21; v. 250; p. 603.
Maag, Max, Zurich, Switzerland. Gear-cutting machine. No. 1,270,183; June 18; v. 251; p. 636.
Maag, Max, Zurich, Switzerland. Worm-gearing. No. 1,274,918; Aug. 6; v. 253; p. 164.
Maas, Carl. (See Hoff and Maas.)
Maas, George H., Milwaukee, Wis. Receptacle. No. 1,273,254; July 23; v. 252; p. 785.
Maas, Howard L., Endicott, N. Y. Automobile attachment. No. 1,277,620; Sept. 3; v. 254; p. 80.
Mabie, Abram E., *et al.* (See Madsen, Frederick G., assignor.)
Mabin, John W., Red Wing, Minn. Flag-holder. No. 1,258,799; Mar. 12; v. 248; p. 286.
MacAlpine, Hermann B. (See Phelan and MacAlpine.)
MacAndrews & Forbes Company. (See Epps, Frank A., assignor.)
MacAndrews & Forbes Company. (See Meigs, Charles H., assignor.)
MacAndrews & Forbes Company. (See Meigs and Epps, assignors.)
MacAndrews and Forbes Company. (See Patterson, Duncan W., assignor.)
MacAndrews & Forbes Company. (See Walker, William W., assignor.)
MacCallum, Frank A., Brookline, Mass. Protector for electric circuits. No. 1,252,919; Jan. 8; v. 246; p. 459.
MacCarthy, Charles F. (See MacCarthy, Marion S. and C. F.)
MacCarthy, Marion S., Denver, Colo., and C. F. MacCarthy, Carthage, N. Mex., assignors, by mesne assignments, to said Marion S. MacCarthy. Pneumatic ore-separator. No. 1,289,845; Dec. 31; v. 257; p. 1018.
MacCarthy, Marion S., Denver, Colo., and C. F. MacCarthy, Carthage, N. Mex., assignors, by mesne assignments, to said Marion S. MacCarthy. Pneumatic ore-separator. No. 1,289,846; Dec. 31; v. 257; p 1018.
MacCaskie, Peter M., Hot Springs, Alaska. Sound-modifier for phonographs. No. 1,253,407; Jan. 15; v. 246; p. 637.
MacCormack, John, Brooklyn, N. Y. Game apparatus. No. 1,259,888; Mar. 19; v. 248; p. 629.
MacDonagh, Frank L., Chicago, Ill., assignor, by mesne assignments, to Acme Card System Co. Visible index. No. 1,285,760; Nov. 26; v. 256; p. 702.
MacDonald, Howard G. (See Mahoney and MacDonald.)
MacDonald, Howard G. (See Mateer and MacDonald.)
MacDonald, Howard G. (See Randall and MacDonald.)
MacDonald, Jesse F., Billings, Mont. Signal device. No. 1,264,413; Apr. 30; v. 249; p. 1070.
MacDonald, John R., Deposit, N. Y. Hinge. No. 1,286,694; Dec. 3; v. 257; p. 123.
MacDonald, John W., Portsmouth, Va. Apparatus for raising sunken vessels. No. 1,271,342; July 2; v. 252; p. 165.
MacDonald, Norman J., Winnipeg, Manitoba, Canada. Floor. No. 1,272,826; July 16; v. 252; p. 644.
MacDonald, Parish J., Los Angeles, assignor of one-half to C. L. Claflin, Jr., Bakersfield, Cal. Reduction apparatus. No. 1,264,832; Apr. 30; v. 249; p. 1184.
MacDonald, Rosa A., Los Angeles, Cal. Combination grease strainer and receptacle. No. 1,267,885; May 28; v. 250; p. 923.
MacDonald, Walter R. (See Moormeister, Frank, assignor.)
MacDonell, Frederick C., New York, N. Y. Filter. No. 1,257,267; Feb. 19; v. 247; p. 706.
MacDougall, Archibald J., and G. N. Middleton, assignors to The Toronto Power Company, Limited, Toronto, Ontario, Canada. Electrolytic apparatus. No. 1,269,566; June 11; v. 251; p. 436.
MacDougall, Harry W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,272,689; July 16; v. 252; p. 604.
MacDougall, Harry W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,277,444; Sept. 3; v. 254; p. 32.
MacEachern, Malcolm T., Vancouver, British Columbia, Canada. Obstetrical bed. No. 1,280,792; Oct. 8; v. 255; p. 214.
MacFarland, Helon B., Chicago, Ill., and R. J. Shoemaker, Topeka, Kans., assignors of one-half to said MacFarland and one-half to E. H. Gold, Chicago, Ill. Material for insulating and like purposes and manufacturing same. No. 1,252,468; Jan. 8; v. 246; p. 331.
MacFarlane, Oliver P. (See Wade, Jessie, assignor.)
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring system. No. 1,258,030; Mar. 5; v. 248; p. 24.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. No. 1,258,032; Mar. 5; v. 248; p. 25.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Measuring instrument. No. 1,258,031; Mar. 5; v. 248; p. 25.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,266,604; May 21; v. 250; p. 537.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Printing on metal. No. 1,289,215; Dec. 31; v. 257; p. 862.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,289,503; Dec. 31; v. 257; p. 934.
MacGill, Charles F. (See Smith, Charles G, assignor.)
MacGill, Charles F. (See Daniels, Farrington, assignor.)
MacGill, Charles F., Cambridge, Mass. Recording device for speedometers and other purposes. No. 1,278,964; Sept. 17; v. 254; p. 497.
MacGowan, George P., New York, N. Y. Baby-carrier for vehicles. No. 1,261,951; Apr. 9; v. 249; p. 302.
MacGregor, Charles G. (See Kleckler and MacGregor.)
MacGregor, John, assignor, by mesne assignments, to Macgregor Instrument Company, Boston, Mass. Syringe. No. 1,277,445; Sept. 3; v. 254; p. 32.
MacGregor, John G., New York, N. Y. Grease-gun. No. 1,275,455; Aug. 13; v. 253; p. 337.
MacGregor, Wallace F., Racine, Wis., assignor to The Indiana Manufacturing Company, Indianapolis, Ind. Pneumatic straw-stacker. No. 1,273,255; July 23; v. 252; p. 785.
MacIndoe, John F., Falls of Schuylkill, Pa. Friction-controlled grease-cup. No. 1,279,567; Sept. 24; v. 254; p. 683.
MacIndoe, John F., assignor to Franklin Brass Manufacturing Company, Philadelphia, Pa. Lubricator. No. 1,283,841; Nov. 5; v. 256; p. 106.
MacKay, John F., Bordentown, N. J. Brooder. (Reissue.) No. 14,419; Jan. 8; v. 246; p. 546.
MacKay, John F., Bordentown, N. J. Hover or brooder. No. 1,256,711; Feb. 19; v. 247; p. 543.
MacKay, John F., Bordentown, N. J. Vaporized-oil burner. No. 1,266,295; May 14; v. 250; p. 422.
MacKay, William H., Andover, Me., assignor to W. A. Arnold and W. H. Fletcher, Paterson, N. J. Self-propelled vehicle. No. 1,251,903; Jan. 1; v. 246; p. 137.
MacKenna, William E., Brooklyn, N. Y. Composite rubber heel. No. 1,263,264; Apr. 16; v. 249; p. 698.
MacKenzie, Fred L., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. No. 1,262,820; Apr. 16; v. 249; p. 574.
MacKenzie, George W., Jr. (See Bain and MacKenzie.)
MacKenzie, George W., Jr., assignor to Guarantee Liquid Measure Company, Rochester, Pa. Liquid-measuring apparatus. No. 1,255,763; Feb. 5; v. 247; p. 188.
MacKenzie, George W., Beaver, assignor to Guarantee Liquid Measure Company, Rochester, Pa. Liquid-measuring apparatus. No. 1,257,722; Feb. 26; v. 247; p. 876.
MacKenzie, James A., assignor to Guarantee Liquid Meas-
MacKenzie, Roy J., and L. L. Haas, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y. Silencer. No. 1,278,965; Sept. 17; v. 254; p. 497.
ure Company, Rochester, Pa. Apparatus for elevating liquid. No. 1,268,594; June 4; v. 251; p. 149.
MacKinnon, Archibald, Tuckahoe, N. Y. Window construction. No. 1,269,475; June 11; v. 251; p. 411.
MacKinnon, George W., Boston, Mass. Automatic air-cushion. No. 1,281,041; Oct. 8; v. 255; p. 281.
MacKinnon, Samuel D. (See Kinney, Israel, assignor.)
MacLachlan, John C., Chicago, Ill. Desiccating liquids. No. 1,258,348; Mar. 5; v. 248; p. 115.
MacLachlan, John C., Chicago, Ill. Desiccating apparatus. No. 1,259,890; Mar. 19; v. 248; p. 629.
MacLauchlan, James H., New York, N. Y. Thawing apparatus. No. 1,277,097; Aug. 27; v. 253; p. 856.

Alphabetical list of patentees—Continued.

MacLaurin, John, Brookfield, Mass. Sealing-machine. No. 1,257,009; Feb. 19; v. 247; p. 633.
MacLean, Fredrick F., assignor, by mesne assignments, of one-half to L. G. Lacy, Syracuse, N. Y. Headlight. (Reissue.) No. 14,448; Mar. 26; v. 248; p. 981.
MacLean, Irene, Van Nuys, Cal. Buttonhole-scissors. No. 1,256,916; Feb. 19; v. 247; p. 604.
MacLellan, Charles A., Boston, Mass. Vehicle-check. No. 1,265,929; May 14; v. 250; p. 321.
MacLennan, Charles H. S., San Francisco, Cal. Method of and apparatus for spot-welding. No. 1,287,376; Dec. 10; v. 257; p. 330.
MacLewee, Carrie H. (See MacLewee, William S., assignor.)
MacLewee, William S., assignor to C. H. MacLewee, Yardley, Pa. Lamp-socket. No. 1,285,293; Nov. 19; v. 256; p. 545.
MacMaster, John J. (See Schwander, Jacob N., assignor.)
MacMichael, Ross F., Auburn, Wash. Viscosimeter. No. 1,281,042; Oct. 8; v. 255; p. 281.
MacMillan, Abram, Chicago, Ill. Tire-shoe. No. 1,276,789; Aug. 27; v. 253; p. 775.
MacMillan, Arthur W., Chicago, Ill. Surveying apparatus. No. 1,253,069; Jan. 8; v. 246; p. 507.
MacMillan, Daniel W., Providence, R. I. Making ear-wire screws. No. 1,268,862; June 11; v. 251; p. 243.
MacMillan, John R., assignor to Niagara Alkali Company, Niagara Falls, N. Y. Recovering high-grade potash products. No. 1,254,521; Jan. 22; v. 246; p. 974.
MacNeille, Martin B., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Bearing. No. 1,277,446; Sept. 3; v. 254; p. 32.
MacNichols, Charles H. (See Jones and MacNichols.)
MacNicoll, Donald. (See Cockburn and MacNicoll.)
MacOrquodale, Lorne H., Lynn, assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass. Display device. No. 1,288,634; Dec. 24; v. 257; p. 697.
MacPherson, John G., deceased, Philadelphia; M. L. MacPherson and C. L. Harsha, executors, Canonsburg, Pa., assignors to Electric-Pneumatic Gear Shaft Corporation, Wilmington, Del. Combined clutch and gear shifting mechanism for motor-vehicles. No. 1,252,131; Jan. 1; v. 246; p. 202.
MacPherson, Mary L., *et al.*, executors. (See MacPherson, John G.)
MacPherson, William, Wichita, Kans. Oil-tank. No. 1,267,434; May 28; v. 250; p. 796.
MacRae, Hugh, Wilmington, N. C. Still or retort. No. 1,268,742; June 4; v. 251; p. 189.
MacWilliams, Charles W., Geneva, Nebr. Chimney-cowl. No. 1,256,917; Feb. 19; v. 247; p. 604.
Macartney, Arthur C., assignor to Pine Tree Milking Machine Company, Chicago, Ill. Milking-machine. No. 1,266,697; May 21; v. 250; p. 564.
Macartney, Arthur C., assignor to Empire Cream Separator Company, Bloomfield, N. J. Pulsator for milking-machines. No. 1,270,429; June 25; v. 251; p. 730.
Macartney, Jack. (See Macartney, John H and J.)
Macartney, John H. and J., Los Angeles, Cal. Centrifugal attritional pulverizer. No. 1,253,619; Jan. 15; v. 246; p. 696.
Macauley, Alvan, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,267,783; May 28; v. 250; p. 892.
Macbeth, Colin, assignor to The Dunlop Rubber Company, Limited, Birmingham, England. Tire for vehicle and similar wheels. No. 1,254,050; Jan. 22; v. 246; p. 839.
Macbeth, Colin, Birmingham, assignor to The Dunlop Rubber Company, Limited, Westminster, England. Tire. No. 1,266,698; May 21; v. 250; p. 564.
Macbeth, Colin, Birmingham, assignor to The Dunlop Rubber Company, Limited, Westminster, England. Wheel for road-vehicles. No. 1,269,543; June 11; v. 251; p. 429.
Macbeth, Colin, Aston, Birmingham, assignor to The Dunlop Rubber Company, Limited, London, England. Pump. No. 1,280,511; Oct. 1; v. 255; p. 110.
Macbeth-Evans Glass Company. (See Handy, James O., assignor.)
Macbeth-Evans Glass Company. (See Macbeth, George A., assignor.)
Macbeth, George and M., Sefton Park, Liverpool, England. Cash-register. No. 1,269,473; June 11; v. 251; p. 411.
Macbeth, George and M., Liverpool, England. Cash-register. No. 1,264,107; Apr. 23; v. 249; p. 950.
Macbeth, George and M., Liverpool, England. Cash-register. No. 1,272,977; July 16; v. 252; p. 685.
Macbeth, George and M., Liverpool, England. Cash-register. No. 1,272,978; July 16; v. 252; p. 686.
Macbeth, George A., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp construction. No. 1,276,240; Aug. 20; v. 253; p. 586.
Macbeth, Malcolm. (See Macbeth, George and M.)
Macbeth, Norman, New York, N. Y., and I. B. Smith, Ambler, assignors to The Leeds & Northrup Company, Philadelphia, Pa. Illuminometer. No. 1,252,598; Jan. 8; v. 246; p. 369.
Macdonald, Alan, assignor to San Francisco Ship Building Co., San Francisco, Cal. Reinforced concrete construction especially adapted for concrete ships. No. 1,264,314; Apr. 30; v. 249; p. 1041.
Macdonald, Alan, assignor to San Francisco Ship Building Co., San Francisco, Cal. Concrete ship. No. 1,267,680; May 28; v. 250; p. 864.
Macdonald, Alan, assignor to San Francisco Ship Building Co., San Francisco, Cal. Cocoanut-oil barge. No. 1,284,394; Nov. 12; v. 256; p. 281.
Macdonald, Angus S., Great Neck Station, N. Y., assignor to The Snead & Co. Iron Works, Jersey City, N. J. Case. No. 1,264,412; Apr. 30; v. 249; p. 1070.
Macdonald, Charles, South Shields, assignor to Wailes, Dove & Company Limited, Newcastle-upon-Tyne, England. Securing plastic compositions. No. 1,268,033; May 28; v. 250; p. 963.
Macdonald, Clayton F., Cleveland, Ohio. Vehicle-headlight. (Reissue.) No. 14,453; Mar. 26; v. 248; p. 985.
Macdonald, Harry P., Montclair, N. J., and E. M. Huggins, New York, N. Y., assignors to The Snead & Co. Iron Works, Jersey City, N. J. Method of and apparatus for electric heating and tempering. No. 1,274,919; Aug. 6; v. 253; p. 164.
Macdonald, James, New York, N. Y. Bill-book. No. 1,267,246; May 21; v. 250; p. 717.
Macdonald, James, New York, N. Y. Powder-container. No. 1,269,474; June 11; v. 251; p. 411.
Macdonald, James, New York, N. Y. Holder. No. 1,288,633; Dec. 24; v. 257; p. 697.
Macdonald, John W. F., Brighton, Mass., assignor to The Merrill Process Company. Heating apparatus. No. 1,278,067; Sept. 3; v. 254; p. 200.
Macdonald, John W. F., Brighton, Mass., assignor to The Merrill Process Company. Heating apparatus. No. 1,278,068; Sept. 3; v. 254; p. 201.
Macdonald, Maynard F., Victoria, British Columbia, Canada. Apparatus for developing moving-picture films. No. 1,252,599; Jan. 8; v. 246; p. 369.
Macdonald, Murdock, Cleveland, Ohio. Holder for tickets and the like. No. 1,269,723; June 18; v. 251; p. 513.
Macdonald, Peter E., Detroit, Mich. Musical hoop. No. 1,259,889; Mar. 19; v. 248; p. 629.
Macdonald, William D., Yonkers, assignor to E. J. Brooks & Company, Inc., New York, N. Y. Strap-tightening tool. No. 1,278,069; Sept. 3; v. 254; p. 201.
Macdonald, William T., and B. W. Scott, San Jose, Cal., assignors of two-thirds to said Macdonald and one-third to said Scott. Attachment for type-writers and other machines. No. 1,262,819; Apr. 16; v. 249; p. 574.
Macduff, Daniel M., Detroit, Mich. Combined light and air transmitting apparatus. No. 1,254,520; Jan. 22; v. 246; p. 973.
Mace, C. W. (See Mountain, Thomas O., assignor.)
Mace, George. (See O'Malley and Mace.)
Macfadden, Bernarr, New York, N. Y. Heating or cooling and humidifying system. No. 1,261,047; Apr. 2; v. 249; p. 17.
Macfarlane, William W., Philadelphia, Pa. Electrical contact-shoe. No. 1,261,578; Apr. 2; v. 249; p. 167.
Macfarren, Walter W. (See Kingsbacher and Macfarren.)
Macfarren, Walter W. (See Kuhn and Macfarren.)
Macfarren, Walter W. (See Varley and Macfarren.)
Macfee, Edward D., Jr. (See Gresham, Len, assignor.)
Macgregor Instrument Company. (See MacGregor, John, assignor.)
Mach, Adolph, assignor to Package Machinery Company, Springfield, Mass. Wrapping-machine. No. 1,289,216; Dec. 31; v. 257; p. 862.
Machesney, Andrew G., Philadelphia, Pa., assignor to Detroit Lubricator Company, Detroit, Mich. Flange-lubricator for locomotives. No. 1,286,695; Dec. 3; v. 257; p. 124.
Machin, Ralph, Ratcliff, London, England. Lacquering or painting machine for tins and similar closed receptacles. No. 1,254,918; Jan. 29; v. 246; p. 1122.
Machine Appliance Corporation. (See Myers, Louis, assignor.)
Machine & Foundry Company. (See Leary, James W., assignor.)
Machoroski, Adam, Kewanee, Ill. Car-coupling. No. 1,257,904; Feb. 26; v. 247; p. 929.
Maciuk, Alexander, and J. Plumas, Manitoba, Canada. Detachable stanchion for cattle. No. 1,261,144; Apr. 2; v. 249; p. 43.
Maciuk, John. (See Maciuk, Alexander and J.)
Mack, Charles E. (See Rohan, James J., assignor.)
Mack, Elmer E., Fort Scott, Kans. Automobile-lock. No. 1,282,898; Oct. 29; v. 255; p. 886.
Mack, Mervyn S., New York, N. Y. Cigarette-holder. No. 1,257,905; Feb. 26; v. 247; p. 929.
Mack, Mervyn S., New York, N. Y. Cigarette-holder. No. 1,263,263; Apr. 16; v. 249; p. 698.
Mack, Paul W. (See Erwin, James L., assignor.)
Mackay, David O., Roosevelt, Utah. Vehicle-tire. No. 1,287,719; Dec. 17; v. 257; p. 445.
Mackenzie, Cecilia M. and J. E., London, England. Fastener. No. 1,283,245; Oct. 29; v. 255; p. 980.
Mackenzie, Jessie E. (See Mackenzie, Cecilia M. and J. E.)
Mackey, Jay A., assignor to Hamel Shoe Machinery Company, Lynn, Mass. Welt grooving and beveling machine. No. 1,286,696; Dec. 3; v. 257; p. 124.
Mackie, Alfred R., Lander, Wyo. Gold-concentrator. No. 1,286,185; Nov. 26; v. 256; p. 807.

Mackie, Mitchell, and James B. Fisher, assignors to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. No. 1,251,798; Jan. 1; v. 246; p. 107.
Mackintosh, William B., assignor to Coats Machine Tool Company, Inc., New York, N. Y. Gage. No. 1,258,426; Mar. 5; v. 248; p. 140.
Mackle, William J., St. Louis, Mo. Riveting. No. 1,253,850; Jan. 15; v. 246; p. 764.
Macklind, William R., assignor to The Sherwin Williams Company, Cleveland, Ohio. Electric heating device. No. 1,277,621; Sept. 3; v. 254; p. 80.
Mackowski, Mieczyslaw, Milwaukee, Wis. Curtain-stretcher. No. 1,284,395; Nov. 12; v. 256; p. 281.
Maclaurin, James S., Wellington, New Zealand. Separating resins from impurities. No. 1,260,984; Mar. 26; v. 248; p. 975.
Macleod, Albert A., Swampscott, and L. M. Brown, Beverly, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-machine. No. 1,271,741; July 9; v. 252; p. 310.
Macleod, Eldon, *et al.*, trustee. (See Melcher, George S., assignor.)
Macloskie, George, Erie, Pa., assignor to General Electric Company. Fluid-pressure brake. No. 1,281,801; Oct. 15; v. 255; p. 519.
Macloskie, George, Erie, Pa., assignor to General Electric Company. Fluid-pressure brake. No. 1,289,847; Dec. 31; v. 257; p. 1018.
Macnicol, Arnold N., Melbourne, Victoria, Australia. Electrical heating unit. No. 1,255,326; Feb. 5; v. 247; p. 61.
Macnicol, Arnold N., Melbourne, Victoria, Australia. Liquid-sprinkler. No. 1,272,070; July 9; v. 252; p. 404.
Macnish, Ralph B., Buffalo, N. Y. Electrical system for motor-driven vehicles, motor-boats, etc. No. 1,278,183; Sept. 10; v. 254; p. 256.
Macomb Sheet Metal Works. (See Conelly and Schell, assignors.)
Macomber, Dennis, Muskegon, and L. Champion, Tallmadge, Mich. Tire for vehicle-wheels. No. 1,264,199; Apr. 30; v. 249; p. 1010.
Macomber, Grant C., Flint, Mich. Loading automobiles in freight-cars and automobile-supporting-frame structures for use therein. No. 1,280,512; Oct. 1; v. 255; p. 111.
Macomber, Isaac B., Portsmouth, R. I. Support for hinged covers. No. 1,265,930; May 14; v. 250; p. 322.
Macomber, William I., Cranston, assignor of one-half to F. G. Rowley, Pawtucket, R. I. Machine for loading cartridges. No. 1,282,609; Oct. 22, v. 255; p. 778.
Macomber, William I., Cranston, assignor of one-half to F. G. Rowley, Pawtucket, R. I. Machine for loading cartridges. No. 1,282,610; Oct. 22; v. 255; p. 779.
Macomber, William I., Cranston, assignor of one-half to F. G. Rowley, Pawtucket, R. I. Feed-control device. No. 1,275,581; Aug. 13; v. 253; p. 371.
Macon, Alexander W., assignor to V. O. Rosser, Dallas, Tex., and H. D. Martin, Shelbyville, Ky. Combined chair and table. No. 1,255,764; Feb. 5; v. 247; p. 189.
Macropoulos, Constantine D., New York, N. Y. Rotary rectifier of alternating current. No. 1,260,785; Mar. 26; v. 248; p. 923.
Macy, Burt H., Somerville, Mass. Elevator safety-lock. No. 1,270,853; July 2; v. 252; p. 28.
Macy, Burt H., Somerville, Mass. Elevator-locking system. No. 1,270,854; July 2; v. 252; p. 28.
Madden, George J. (See Weaver, Ezra L., assignor.)
Madden Company, The. (See Preston, Frederick A., assignor.)
Madden, Jeremiah M., New York, N. Y. Insect-destroyer. No. 1,272,283; July 9; v. 252; p. 462.
Madden, John D., Fall River, Mass. Stamp-vending machine. No. 1,268,372; June 4; v. 251; p. 86.
Madden, James J., Aberdeen, S. D. Lens. No. 1,263,333;
Madden, James S., Chicago, Ill. Shock-absorber. No. 1,261,255; Apr. 2; v. 249; p. 74.
Apr. 16; v. 249; p. 717.
Madden, Patrick H., Sparta, and F. L. Pierce, La Crosse, Wis. Rail-layer. No. 1,255,193; Feb. 5; v. 247; p. 23.
Madden, Patrick J., Chicago, Ill. Plumbing-fixture. No. 1,253,506; Jan. 15; v. 246; p. 664.
Madden, Thomas P., St. Louis, Mo. Locomotive ash-pan. No. 1,277,972; Sept. 3; v. 254; p. 176.
Maddex, Thomas C. (See Becker and Maddex.)
Maddox, Kenneth, Hartford, Ky. Fence-wire clamp. No. 1,264,108; Apr. 23; v. 249; p. 951.
Maddox, Robert D., U. S. Army. Artificial hand. No. 1,280,262; Oct. 1; v. 255; p. 41.
Maddux, Orville D. (See Brown, Maddux, and Woodling.)
Madeksho, John J., Chicago, Ill. Drain-cock. No. 1,254,716; Jan. 29; v. 246; p. 1060.
Madeley, Ralph P., Sacramento, Cal. Railway-spike. No. 1,272,071; July 9; v. 252; p. 404.
Maden, Lloyd H., Jonesboro, Tenn. Automobile-signal. No. 1,265,691; May 7; v. 250; p. 222.
Mader, Joseph, assignor of one-third to M. Brandon, Minneapolis, Minn. Aeroplane. No. 1,256,812; Feb. 19; v. 247; p. 573.
Madero, Eduardo J. M., Buenos Aires, Argentina. Rotary engine. No. 1,266,605; May 21; v. 250; p. 537.
Madigan Manufacturing Company. (See Madigan, Thomas J., assignor.)
Madigan, Thomas J., assignor to Madigan Manufacturing Company, Inc., New York, N. Y. Hose-coupling. No. 1,259,423; Mar. 12; v. 248; p. 464.
Madill, David, Salt Lake City, Utah. Reel. No. 1,281,802; Oct. 15; v. 255; p. 520.
Madison, Charles C., Scandia, Kans. Wheel-scraper. No. 1,258,349; Mar. 5; v. 248; p. 115.
Madison, Charles C., Scandia, Kans. Cultivating implement. No. 1,261,579; Apr. 2; v. 249; p. 167.
Madison, Emil, Hoboken, N. J. Sawing-machine. No. 1,281,988; Oct. 15; v. 255; p. 568.
Madison, John O., Brooklyn, N. Y. Trussed-sheet building material. No. 1,277,622; Sept. 3; v. 254; p. 81.
Madison, John O., Brooklyn, N. Y. Sand-box. No. 1,287,720; Dec. 17; v. 257; p. 445.
Madison-Kipp Lubricator Company. (See Putnam, William H., assignor.)
Madison-Kipp Lubricator Company. (See Winkley, Frank D., assignor.)
Madison, Oliver C., Omaha, Nebr. Toy pistol. No. 1,270,535; June 25; v. 251; p. 760.
Madison, Oscar M., Osborne, Kansas. Lace and embroidery display drawer. No. 1,273,894; July 30; v. 252; p. 995.
Madorski, Michael. (See Horster, Charles, assignor.)
Madra, Andrew T. (See Ware, William B., assignor.)
Madriss, Abraham I. (See Moldovan, Madriss, and Levitt.)
Madsen, Carl M., Sunburst, N. C. Offset for sawmill-carriages. No. 1,252,132; Jan. 1; v. 246; p. 202.
Madsen, Chresten T., Oakland, Cal. Skate. No. 1,260,692; Mar. 26; v. 248; p. 897.
Madsen, Chresten T., Oakland, Cal. Level. No. 1,265,468; May 7; v. 250; p. 164.
Madsen, Chresten T., Oakland, Cal. Plastic material. No. 1,269,946; June 18; v. 251; p. 574.
Madsen, Frederick G., Chicago, assignor of one-third to A. E. Mabie, Evanston, and one-third to J. O. Thomas, Chicago, Ill. Automobile-lock. No. 1,272,072; July 9; v. 252; p. 404.
Madsen, Mads H., Kimballton, Iowa. Railway construction. No. 1,272,827; July 16; v. 252; p. 644.
Madsen, Mads H., Kimballton, Iowa. Corn-planter dropper mechanism. No. 1,272,828; July 16; v. 252; p. 644.
Madsen, Martin and P., Los Angeles, Cal. Range-door construction. No. 1,279,737; Sept. 24; v. 254; p. 732.
Madsen, Peter. (See Madsen, Martin and P.)
Madsen, Martin and P., Los Angeles, Cal. Range-rail and drip-pan support. No. 1,286,376; Dec. 3; v. 257; p. 47.
Madsen, Peter. (See Madsen, Martin and P.)
Madsen, Rasmus H., Hollywood, Cal. Coaster-brake lining. No. 1,272,690; July 16; v. 252; p. 605.
Madson, Amos, Pontiac, Ill. Shoe. No. 1,265,100; May 7; v. 250; p. 65.
Madson, Philip, Lemmon, S. D. Lock. No. 1,268,743; June 4; v. 251; p. 190.
Maechler, Walter, Chicago, Ill. Feed mechanism for ice-shaving machines. No. 1,252,600; Jan. 8; v. 246; p. 370.
Maegly, George B., Kansas City, Mo. Air-cushion. No. 1,255,327; Feb. 5; v. 247; p. 61.
Maegly, George B., Kansas City, Mo. Ignition-spark-controlling mechanism. No. 1,277,447; Sept. 3; v. 254; p. 32.
Maegly, George B., Kansas City, Mo. Ignition-controlling device. No. 1,278,184; Sept. 10; v. 254; p. 257.
Mafam Motor-Apparate G. m. b. H. (See Diehl, Hermann, assignor.)
Mafam Motor-Apparate G. m. b. H. (See Rilling, Albert, assignor.)
Maffitt, Thomas S. (See Goltra, Maffit, Dana, and Erwin.)
Magarrell, William E., assignor to Always Ready Ironing Board Co., Los Angeles, Cal. Combined table and ironing-board. No. 1,270,184; June 18; v. 251; p. 637.
Magee Carpet Co., The. (See Hoffman, William, assignor.)
Magee, James, 2d. (See McCollum, Alfred F., assignor.)
Magee, James, 2d. (See Rush, Theodore H., assignor.)
Magel, H. S. (See Poulalion, Francis N., assignor.)
Magel, Henry S., Sidney, Iowa. Deglutitory cup. No. 1,264,539; Apr. 30; v. 249; p. 1105.
Magerkurth, Charles, assignor of twenty one-hundredths to H. Stover, Los Angeles, Cal. Railway-crossing. No. 1,260,693; Mar. 26; v. 248; p. 897.
Maggi, Harry. (See Huwiler and Maggi.)
Maggiora, Demetrio. (See Clarke and Maggiora.)
Maggiora, Demetrio, Paris, France. Gas-generator. No. 1,255,765; Feb. 5; v. 247; p. 189.
Maggs, Lee, Idalia, Colo. Post-hole digger. No. 1,287,377; Dec. 10; v. 257; p. 330.
Magich, Mathew, Detroit, Mich. Horseshoe. No. 1,265,931; May 14; v. 250; p. 322.
Magie, William E. (See Ferris and Magie.)
Magill, Matthew E. (See Carrigan, Eastman, and Magill.)
Magner, Alfred, Omaha, Nebr. Grip control for motorized bicycles. No. 1,281,043; Oct. 8; v. 255; p. 281.

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Magness, John C., assignor to Atlas Auto Specialties Corporation, New York, N. Y. Carbureter attachment. No. 1,269,104; June 11; v. 251; p. 310.
Magnetic Pigment Company. (See Fireman, Peter, assignor.)
Magnetic Power Transmitter Company. (See Satterstrom, Ferdinand, assignor.)
Magnetic Transmission Company. (See Henry, David C., assignor.)
Magniphone Company, The. (See Rhodus, Thomas, assignor.)
Magnus, John, Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding-machine. No. 1,270,855; July 2; v. 252; p. 29.
Magnus, Rollo M., Duluth, Minn. Drinking-weir. No. 1,254,251; Jan. 22; v. 246; p. 896.
Magnuson, Ida O., Smolan, Kans. Hair-fastener. No. 1,274,920; Aug. 6; v. 253; p. 165.
Magnuson, Mathias, Chicago, Ill. Necktie-holder. No. 1,268,744; June 4; v. 251; p. 190.
Magnusson, Carl E., and L. F. Curtis, Seattle, Wash. Electric heater. No. 1,260,564; Mar. 26; v. 248; p. 859.
Magoon, Bert C., New Castle, N. H. Doughnut-lifter. No. 1,251,989; Jan. 1; v. 246; p. 161.
Magrath, Arthur C., Brooklyn, assignor to Western Electric Company, New York, N. Y. Electrical controlling system. No. 1,284,732; Nov. 12; v. 256; p. 364.
Magrini, Pietro, Belle Vernon, Pa. Combined shade-roller and curtain-pole bracket. No. 1,258,693; Mar. 12; v. 248; p. 256.
Magsby, Stephen M., Lula, Miss. Tag-holder. No. 1,272,284; July 9; v. 252; p. 463.
Maguire, John A., Trenton, N. J. Belt. No. 1,264,109; Apr. 23; v. 249; p. 951.
Maguire, Thomas, New York, N. Y. Automobile-brake. No. 1,287,065; Dec. 10; v. 257; p. 251.
Maguire, Thomas F. (See Shuyler, Millard F., assignor.)
Maguire, Walter R., Dorchester, Mass. Toilet-seat. No. 1,253,851; Jan. 15; v. 246; p. 764.
Mahaney, Guy A., Joker, W. Va. Ticket-holder. No. 1,253,070; Jan 8; v. 246; p. 507.
Mahaney, Guy A., Joker, W. Va. Necktie-stretcher. No. 1,254,334; Jan. 22; v. 246; p. 920.
Maher, Charles A., Wallowa, Oreg. Cleaning device. No. 1,270,536; June 25; v. 251; p. 760.
Maher, Charles A., Wallowa, Oreg. Combination soap and applicator holder. No. 1,275,456; Aug. 13; v. 253; p. 337.
Maher, Edward J., assignor to P. C. Murphy Trunk Co., St. Louis, Mo. Wardrobe-trunk. No. 1,256,344; Feb. 12; v. 247; p. 401.
Maher, Jeremiah S., St. Louis, Mo. Automobile rear axle. No. 1,271,742; July 9; v. 252; p. 311.
Maher, Solomon, North Adams, Mass. Woodworker's saw. No. 1,272,691; July 16; v. 252; p. 605.
Mahlberg, Peter M., Hopkins, Minn. Button. No. 1,272,829; July 16; v. 252; p. 644.
Mahler, Joseph A., Berlin, Wis. Transmission mechanism. No. 1,284,401; Nov. 12; v. 256; p. 283.
Mahler, Louis F., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Making shoes. No. 1,283,842; Nov. 5; v. 256; p. 107.
Mahon, James F., Princeton, Oreg. Portable snow-plow for attaching to automobiles or other vehicles. No. 1,262,966; Apr. 16; v. 249; p. 615.
Mahoney, Abbie, Salt Lake City, Utah. Sanitary mattress for invalids. No. 1,257,085; Feb. 19; v. 247; p. 653.
Mahoney, Jeremiah L., New Haven, Conn., assignor to The Goodyear's India Rubber Glove Manufacturing Company. Vulcanizing rubber articles. No. 1,289,776; Dec. 31; v. 257; p. 1000.
Mahoney, Jeremiah L., New Haven, Conn., assignor to The Goodyear's India Rubber Glove Manufacturing Company. Producing jointures for vulcanized rubber parts. No. 1,289,777; Dec. 31; v. 257; p. 1000.
Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Disconnecting-switch. No. 1,264,414; Apr. 30; v. 249; p. 1070.
Mahoney, Joseph N., Wilkinsburg, and W. M. Austin, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,264,415; Apr. 30; v. 249; p. 1070.
Mahoney, Joseph N., and H. G. MacDonald, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,278,966; Sept. 17; v. 254; p. 498.
Mahoney, Joseph N., Wilkinsburg, and W. M. Austin, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,278,967; Sept. 17; v. 254; p. 498.
Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,287,721; Dec. 17; v. 257; p. 445.
Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,287,722; Dec. 17; v. 257; p. 446.
Mahoney, Orville P., *et al.* (See Goff, Jesse, assignor.)
Mahoney, Thomas. (See Brandt and Mahoney.)
Mahony, Charles D., St. John, New Brunswick, Canada. Vehicle-wheel. No. 1,282,256; Oct. 22; v. 255; p. 684.
Mahony, William F., Washington, D. C. Writing-kit. No. 1,277,973; Sept. 3; v. 254; p. 176.
Mahr, Julius A., Minneapolis, Minn. Forging and annealing furnace. No. 1,285,761; Nov. 26; v. 256; p. 702.
Maiden, Arthur E., C. Schindler, Oakland, and W. D. Newhouse, San Francisco, Cal. Day and night sign. No. 1,276,091; Aug. 20; v. 253; p. 545.
Maiden, Leaman A., Dunnellon, Fla. Dispensing-bottle. No. 1,289,218; Dec. 31; v. 257; p. 863.
Maier, Frank X., Sterling, Ill. Adjustable lamp-support. No. 1,263,783; Apr. 23; v. 249; p. 862.
Maier, Friedrich, Elizabeth, N. J. Mechanical movement. No. 1,284,733; Nov. 12; v. 256; p. 364.
Maier, Herman F. (See Unger and Maier.)
Maier, Karl F. G., South Ashburnham, Mass. Woodworking-machine. No. 1,276,550; Aug. 20; v. 253; p. 673.
Maier, Louis H., New York, N. Y. Pneumatic tension-regulator for automatic musical instruments. No. 1,279,388; Sept. 17; v. 254; p. 611.
Maier, Josef. (See Walter and Maier.)
Maika, Josef, Cleveland, Ohio. Pitcher. No. 1,256,152; Feb. 12; v. 247; p. 342.
Mailanen, Otto W., Berkeley, Cal. Nail. No. 1,284,734; Nov. 12; v. 256; p. 365.
Mailey, Roy D. (See Kraus and Mailey.)
Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Support for electric-lamp filaments. No. 1,270,856; July 2; v. 252; p. 29.
Maillard, Peter J., Jeanerette, La. Tire for automobiles, &c. No. 1,259,256; Mar. 12; v. 248; p. 415.
Maillet, Joanny, Laiz pres Pont-de-Veyle, France. Agricultural machine. No. 1,284,121; Nov. 5; v. 256; p. 181.
Maillet, Joanny, Laiz pres Pont-de-Veyle, France. Agricultural machine. No. 1,284,122; Nov. 5; v. 256; p. 182.
Mailloux, Frank W., Wellesley Hills, Mass. Auto-lock. No. 1,268,137; June 4; v. 251; p. 19.
Maimin, David S., New York, N. Y., assignor to H. Maimin Co., Inc. Roller-support for cloth-cutting machines. No. 1,287,723; Dec. 17; v. 257; p. 446.
Maimin, Hyman, New York, N. Y. Sharpening attachment for cloth-cutting machines. No. 1,263,450; Apr. 23; v. 249; p. 773.
Maimin, Hyman, and H. B. Bätjer, New York, N. Y., assignors to H. Maimin Co. Cloth-cutting machine. No. 1,284,402; Nov. 12; v. 256; p. 283.
Maine, Andrew J., Appleton, Wis. Car-mover. No. 1,252,354; Jan. 1; v. 246; p. 262.
Maine, Herbert E., Providence, R. I. Shoe-sizer. No. 1,252,920; Jan. 8; v. 246; p. 459.
Mains, David F., *et al.* (See Jackson, Clarence W., assignor.)
Mainville, John B., Detroit, Mich. Meat-holder. No. 1,289,848; Dec. 31; v. 257; p. 1019.
Maire, Auguste, Argenteuil, assignor to Societe Lorraine Des Anciens Etablissements De Dietrich & Cie. De Luneville, Paris, France. Speed reducing gear for aviation-engines. No. 1,263,689; Apr. 23; v. 249; p. 836.
Maire-Brunel, Edouard, Lugano, Switzerland. Watch-stand. No. 1,285,016; Nov. 19; v. 256; p. 475.
Maire, Frank L., *et al.* (See Montgomery, Leon F., assignor.) (Reissue.)
Maise, Herman C., assignor to Springfield Body Corporation of New York, Springfield, Mass. Hinge for vehicle-bodies. No. 1,251,550; Jan. 1; v. 246; p. 31.
Maise, Herman C., Detroit, Mich., assignor to Springfield Body Corporation of New York, New York, N. Y. Drop-window. No. 1,251,551; Jan. 1; v. 246; p. 31.
Maise, Herman C., Detroit, Mich., assignor to Springfield Body Corporation of New York, New York, N. Y. Automobile-body. No. 1,251,990; Jan. 1; v. 246; p. 162.
Maise, Herman C., assignor to Springfield Body Corporation of New York, Springfield, Mass. Automobile-body. No. 1,255,194; Feb. 5; v. 247; p. 23.
Maimin, Hyman, and H. B. Bätjer, New York, N. Y., assignors to H. Maimin Co. Inc. Knife-sharpener for cloth-cutting machines. No. 1,268,373; June 4; v. 251; p. 86.
Main, Fred F., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,268,138; June 4; v. 251; p. 20.
Mair, William B., Birmingham, England. Instrument for gaging internal diameters. No. 1,273,641; July 23; v. 252; p. 889.
Maitland, Harold T., Marcus Hook, assignor to Sun Company, Philadelphia, Pa. Refining hydrocarbon oils. No. 1,272,979; July 16; v. 252; p. 686.
Majestic Electric Development Co. (See Brown, Edmund N., assignor.)
Majestic Electric Development Co. (See Ledig, Richard G., assignor.)
Majestic Electric Development Company. (See Shoenberg, Milton H., assignor.)
Majestic Electric Development Company. (See Shoenberg, M. H. and Talcott, assignors.)

Majewski, Frank, Chicago, Ill. Riding-horse for boys' toys. No. 1,270,638; June 25; v. 251; p. 787.
Majewski, Wladyslaw, San Francisco, Cal. Rotary compression-machine. No. 1,272,073; July 9; v. 252; p. 405.
Majorana, Peppino, Louisville, Ky. Pyroxylin composition. No. 1,275,063; Aug. 6; v. 253; p. 205.
Majors, James M., Ottumwa, Iowa. Thread cutter and holder. No. 1,266,032; May 14; v. 250; p. 349.
Majot, Emile, Maumee, Ohio. Gas and air mixer for glass furnaces. No. 1,273,171; July 23; v. 252; p. 764.
Maker, Elmer A., Swansea, Mass. Plow attachment. No. 1,263,690; Apr. 23; v. 249; p. 837.
Maker, Ernest, Santa Rosa, Cal. Punching device. No. 1,260,226; Mar. 19; v. 248; p. 725.
Maki, Fred, Portland, Oreg. Device for use in splicing ropes or cables. No. 1,261,145; Apr. 2; v. 249; p. 43.
Maki, George J., South Canterbury, Conn. Funnel. No. 1,278,968; Sept. 17; v. 254; p. 498.
Maki, John F. (See Niemi, Isaac, assignor.)
Maki, Simon R., Ishpeming, Mich. Combined trunk and dresser. No. 1,269,196; June 11; v. 251; p. 335.
Makino, Magotaro, San Francisco, Cal. Soy-bean food. No. 1,258,427; Mar. 5; v. 248; p. 140.
Makowski, Francis, New Britain, Conn. Hat-pin. No. 1,283,843; Nov. 5; v. 256; p. 107.
Makray, Paul, Chicago, Ill. Toy. No. 1,259,542; Mar. 19; v. 248; p. 530.
Makray, Paul, Chicago, Ill. Toy. No. 1,259,543; Mar. 19; v. 248; p. 530.
Makrenos, John E., Detroit, Mich. Armor for vehicles. No. 1,273,515; July 23; v. 252; p. 855.
Makutchan Roller Bearing Company. (See Makutchan, William H., assignor.)
Makutchan, William H., assignor to Makutchan Roller Bearing Company, Chicago, Ill. Roller-bearing. No. 1,275,715; Aug. 13; v. 253; p. 409.
Malacos, Peter, Wheeling, W. Va. Pneumatic tire. No. 1,269,628; June 18; v. 251; p. 486.
Malacos, Peter, Wheeling, W. Va. Paper-hanging device. No. 1,288,093; Dec. 17; v. 257; p. 538.
Malagrino, Pasquale. (See Grossman and Malagrino.)
Malby, Seth G., New York, N. Y. Wheel and its manufacture. No. 1,255,195; Feb. 5; v. 247; p. 24.
Malcamp, Philip, New Orleans, La. Percolator. No. 1,259,257; Mar. 12; v. 248; p. 415.
Malcamp, Philip, New Orleans, La. Percolator. No. 1,287,378; Dec. 10; v. 257; p. 330.
Malchow, Charles B., Warner, N. H. Folding twin bed. No. 1,251,799; Jan. 1; v. 246; p. 108.
Malcolm, James F. (See Wise, Malcolm, and Davis.)
Malcom, John W., Bunn, Ark. Sewing-awl. No. 1,270,639; June 25; v. 251; p. 788.
Malcom, Robert, Chicago, Ill. Lens-rim for face-protectors. No. 1,263,089; Apr. 16; v. 249; p. 652.
Malcolmson, Norman. (See Kelsey, Hextall H., assignor.)
Malensheck, John, West Allis, Wis. Weighing apparatus. No. 1,254,335; Jan. 22; v. 246; p. 920.
Maliszewski, Vincent F., Detroit, Mich. Detachable resilient heel-tread. No. 1,274,734; Aug. 6; v. 253; p. 113.
Maliszewski, Vincent F., assignor of five one-hundredths to W. Krajewski, Detroit, Mich. Ship-protector. No. 1,261,829; Apr. 9; v. 249; p. 270.
Malivert, Eugène. (See Teste and Malivert.)
Malkin, John E., New York, N. Y. Sash-holder. No. 1,276,790; Aug. 27; v. 253; p. 775.
Malleable Iron Fittings Company, The. (See Pickop, George B., assignor.)
Malleable Iron Range Company. (See Smith, Kenneth C., assignor.)
Mallen, Edward J., New York, N. Y. Air-register. No. 1,277,974; Sept. 3; v. 254; p. 176.
Mallernee, Cloyde A., Dennison, Ohio, Floor-tool. No.
Mallett, Walter P., Rensselaer, N. Y. Sled-runner for baby-carriages. No. 1,264,110; Apr. 23; v. 249; p. 951. 1,278,702; Sept. 10; v. 254; p. 397.
Malley, Patrick F., A. P. Brewer, and R. B. Hosner, San Francisco, Cal. Bed-spring. No. 1,282,899; Oct. 29; v. 255; p. 887.
Mallon, James H., Atlantic City, N. J. Beverage-server. No. 1,278,703; Sept. 10; v. 254; p. 398.
Mallory, George H., Pierce, Nebr. Hay-rack. No. 1,280,513; Oct. 1; v. 255; p. 111.
Mallory, Harry C., Bellport, N. Y. Heat-regulator. No. 1,274,066; July 30; v. 252; p. 1043.
Mallory, John S., Henderson, Ky. Hood for automobiles. No. 1,265,469; May 7; v. 250; p. 164.
Mallory, William, Topeka, Kans. Oil-burner. No. 1,276,939; Aug. 27; v. 253; p. 814.
Mallove, Morris, Brooklyn, J. Greenberg and P. Kieves, New York, N. Y. Automatic pipe-threading lubricator. No. 1,265,692; May 7; v. 250; p. 222.
Malloy, Edward T., assignor to The American Caster Company, Hamilton, Ohio. Caster. No. 1,282,448; Oct. 22; v. 255; p. 735.
Malloy, Edward T., assignor to The American Caster Company, Hamilton, Ohio. Caster-wheel. No. 1,288,949; Dec. 24; v. 257; p. 773.
Malm, Axel C. V., assignor to The Malm Machine Company, Dayton, Ohio. Rotary punch-press. No. 1,286,377; Dec. 3; v. 257; p. 47.
Malm, Axel C. V., assignor to The Egry Register Company, Dayton, Ohio. Machine for perforating webs of paper. No. 1,287,066; Dec. 10; v. 257; p. 251.
Malm, Axel C. V., and F. H. Poorman, assignors to The Malm Machine Company, Dayton, Ohio. Device for trimming gaskets and the like. No. 1,270,038; June 18; v. 251; p. 598.
Malm, John L., Denver, Colo. Treating ores to produce lead chlorid and chlorin gas. No. 1,258,800; Mar. 12; v. 248; p. 286.
Malm, John L., Denver, Colo. Zinc cell. No. 1,284,403; Nov. 12; v. 256; p. 283.
Malm, John L., assignor to The Midwest Metals Company, Denver, Colo. Barrel. No. 1,255,196; Feb. 5; v. 247; p. 24.
Malm, John L., assignor to The Midwest Metals Company, Denver, Colo. Cell. No. 1,255,197; Feb. 5; v. 247; p. 24.
Malm Machine Company, The. (See Malm, Axel C. V., assignor.)
Malm Machine Company, The. (See Malm and Poorman, assignors.)
Malm, Marvin E., Clinton, Iowa. Cut-out valve for gage-cocks. No. 1,258,235; Mar. 5; v. 248; p. 83.
Malman, Nikolay, San Francisco, Cal. Resilient wheel. No. 1,259,424; Mar. 12; v. 248; p. 464.
Malmberg, Anders M., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,278,365; Sept. 10; v. 254; p. 306.
Malmberg, Anders M., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone trunking system. No. 1,289,504; Dec. 31; v. 257; p. 934.
Malmros, August, Rönninge, Sweden. Threshing-machine. No. 1,254,422; Jan. 22; v. 246; p. 945.
Malocsay, Arpad S., Miami, Okla. Chats-separator for ore-jigs. No. 1,280,263; Oct. 1; v. 255; p. 41.
Malocsay, Francis X., assignor to W. Steiner Sons & Co., New York, N. Y. Automatic feeding device for band-cutting machines. No. 1,257,507; Feb. 26; v. 247; p. 811.
Malocsay, Francis X., assignor to International Banding Machine Company, New York, N. Y. Banding-machine. No. 1,261,830; Apr. 9; v. 249; p. 270.
Malocsay, Francis X., assignor to International Banding Machine Company, New York, N. Y. Banding-machine. No. 1,261,831; Apr. 9; v. 249; p. 270.
Malocsay, Francis X., assignor to International Banding Machine Company, New York, N. Y. Cigar-banding machine. No. 1,261,832; Apr. 9; v. 249; p. 271.
Malocsay, Francis X., assignor to International Banding Machine Company, New York, N. Y. Cigar-banding machine. No. 1,261,833; Apr. 9; v. 249; p. 270.
Malocsay, Frank, New York, N. Y., assignor to Sonora Phonograph Corporation. Talking-machine. No. 1,259,258; Mar. 12; v. 248; p. 415.
Malocsay, Frank, New York, N. Y., assignor to Sonora Phonograph Corporation. Tone-arm for talking-machines. No. 1,276,551; Aug. 20; v. 253; p. 673.
Malocsay, Frank, New York, N. Y., assignor to Sonora Phonograph Corporation. Automatic stop mechanism for talking-machines. No. 1,277,448; Sept. 3; v. 254; p. 33.
Malocsay, Frank, New York, N. Y., assignor to Sonora Phonograph Corporation. Stop mechanism for talking-machines. No. 1,277,449; Sept. 3; v. 254; p. 33.
Malone, Cecil F. (See Malone, John H. and C. F.)
Malone, John F. J., assignor to The Sentinel Company, Limited, Newcastle-upon-Tyne, England. Distance-thermometer. No. 1,284,915; Nov. 12; v. 256; p. 411.
Malone, John H. and C. F. Minden, Nebr. Tank-heater. No. 1,281,803; Oct. 15; v. 255; p. 520.
Malone, John L., Whistler, Ala. Piston-rod-removing device. No. 1,277,450; Sept. 3; v. 254; p. 33.
Malone, Tom A., Hamlin, Tex. Harvester. No. 1,264,111; Apr. 23; v. 249; p. 951.
Maloney, Philip M., deceased, Blue Bell; R. E. Long, administrator, assignor to The Allen Iron & Steel Company, Philadelphia, Pa. Guy-anchor. No. 1,283,246; Oct. 29; v. 255; p. 980.
Malott, Benjamin F., Greenville, S. C., assignor of one-fourth to J. A. Norris, Pelzer, S. C. Rail-joint. No. 1,258,586; Mar. 5; v. 248; p. 186.
Malott, Herbert, Detroit, Mich. Store-front construction. No. 1,283,247; Oct. 29; v. 255; p. 980.
Malouf, Beshara I., Salt Lake City, Utah. Portable vulcanizer. No. 1,269,629; June 18; v. 251; p. 486.
Malphurs, Joel W., Gainesville, Fla. Dust and cinder conveyer for railway passenger-coaches. No. 1,271,918; July 9; v. 252; p. 358.
Malsberger, Harry, York, assignor to H. C. Niles, Spring Garden township, York county, Pa. Cotton-seed grader. No. 1,264,200; Apr. 30; v. 249; p. 1011.
Malsch, Herman C., Houston, Tex. Book with removable cover. No. 1,278,185; Sept. 10; v. 254; p. 257.
Malsin, Albert, assignor to Lane Bryant, Inc., New York, N. Y. Corset. No. 1,272,830; July 16; v. 252; p. 645.
Malsin, Albert, New York, N. Y. Corset-clasp. No. 1,272,831; July 16; v. 252; p. 645.
Malsin, Albert, New York, N. Y. Safety-scissors. No. 1,279,389; Sept. 17; v. 254; p. 612.

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Malstrom, Carl H., Brooklyn, N. Y., and W. K. Andersen, Bethlehem, Pa., assignors to F. Purdy, Chicago, Ill. Carbureter. (Reissue.) No. 14,496; July 23; v. 252; p. 938.

Malt Products Company of Canada. (See Akers and Kaufmann, assignors.)

Maltby, Clinton H. (See Hopkinson and Maltby.)

Maltby, Frank D., Battle Creek, Mich. Priming device for internal-combustion engines. No. 1,264,952; May 7; v. 250; p. 22.

Maltby, Frank D., Battle Creek, Mich. Priming and decarbonizing device for internal-combustion engines. No. 1,264,953; May 7; v. 250; p. 22.

Maltby, Frank D., Battle Creek, Mich. Priming device for internal-combustion engines. No. 1,264,954; May 7; v. 250; p. 22.

Maltby, George K., New York, N. Y. Lamp. No. 1,276,669; Aug. 20; v. 253; p. 706.

Maltby, George K., New York, N. Y. Lamp. No. 1,276,670; Aug. 20; v. 253; p. 706.

Maltby, Lewis C., assignor to The Stone Straw Company, Washington, D. C. Machine for manufacturing spirally-wound straws. No. 1,252,284; Jan. 1; v. 246; p. 244.

Maltby, Lewis C., assignor to The Stone Straw Company, Washington, D. C. Machine for manufacturing spirally-wound tubes. No. 1,254,336; Jan. 22; v. 246; p. 921.

Maltby, Lewis C., assignor to The Stone Straw Company, Washington, D. C. Container. No. 1,265,932; May 14; v. 250, p. 322.

Maluf, Naif J., Habana, Cuba. Side-arm. No. 1,260,007; Mar. 19; v. 248; p. 665.

Malysheff, Alexander P., Tomsk, Russia. Mechanical movement. No. 1,267,886; May 28; v. 250; p. 923.

Mamaux, John J., Pittsburgh, Pa. Canopy. No. 1,251,904; Jan. 1; v. 246; p. 137.

Mammen, Harry P., Springfield, Ohio. Automobile-lock. No. 1,267,887; May 28; v. 250; p. 924.

Mammen, Lawrence W., Chicago, Ill. Washing-machine. No. 1,254,051; Jan. 22; v. 246; p. 839.

Mammen, Lawrence W., Chicago, Ill. Cylinder for washing-machines. No. 1,254,252; Jan. 22; v. 246; p. 896.

Mammoser, John G. (See Welch, Luke T., assignor.)

Man, Edward H., Kahuku Mill, Hawaii. Sugar-making apparatus. No. 1,279,134; Sept. 17; v. 254; p. 541.

Manahan, Joseph A., New York, N. Y. Flag-illuminating device. No. 1,263,090; Apr. 16; v. 249; p. 652.

Manahan, Joseph A., assignor to S. Bookman, New York, N. Y. Curtain-fastener. (Reissue.) No. 14,565; Dec. 10; v. 257; p. 386.

Manby, Charles E., Carnegie, Pa. Cement for pickling-vats. No. 1,259,651; Mar. 19; v. 248; p. 559.

Mancel, Joseph J., assignor to Mills Novelty Company, Chicago, Ill. Weighing-scale. No. 1,257,623; Feb. 26; v. 247; p. 846.

Mandel, Isaac, New York, N. Y. Hygienic garbage-receptacle. No. 1,253,620; Jan. 15; v. 246; p. 696.

Mandel, M., *et al.* (See Singer, Frederick O., assignor.)

Mandeville, Christopher E., Rahway, N. J. Machine for measuring liquids. No. 1,255,452; Feb. 5; v. 247; p. 97.

Mandeville, Paul, assignor to The Paul Mandeville Co., Chicago, Ill. Regulating the humidity of air in chambers. No. 1,276,241; Aug. 20; v. 253; p. 586.

Mandzuk, John M., St. Catherines, Ontario, Canada. Plow. No. 1,280,793; Oct. 8; v. 255; p. 215.

Maness, Tola D. (See Stegall, Walter F., assignor.)

Maney, Charles D., Pelham, N. Y. Window-screen. No. 1,264,416; Apr. 30; v. 249; p. 1071.

Manfeldt, Fred W., New Haven, Conn. Wheeled toy. No. 1,270,542; June 25; v. 251; p. 762.

Mangel, Wallie C., Fairfax, assignor of one-half to E. F. Berkner, Sleepy Eye, Minn. Trailer attachment for automobiles. No. 1,272,487; July 16; v. 252; p. 546.

Mangold, Edward M., Seaside Park, N. J. Cistern-cleaner. No. 1,269,105; June 11; v. 251; p. 310.

Manhattan Electrical Supply Company. (See Peterson, Johann G., assignor.)

Manhattan Electrical Supply Company. (See Schwartz, Edward, assignor.)

Manierre, George, Milwaukee, Wis. Fluid-pressure cushioning device. No. 1,288,435; Dec. 17; v. 257; p. 618.

Manifold, Richard G., *et al.* (See Huntington, Alfred R., assignor.)

Mankey, Vernon H., Aberdeen, S. D. Hanger. No. 1,253,852; Jan. 15; v. 246; p. 764.

Manley, Charles E., Maricopa, Cal. Soap-holder. No. 1,268,595; June 4; v. 251; p. 150.

Manley, Frank, Silverton, Colo. Grade-controlled auxiliary air-valve for internal-combustion engines. No. 1,272,285; July 9; v. 252; p. 463.

Manley, Perry F., Andalusia, Ala. Rail-joint. No. 1,285,762; Nov. 26; v. 256; p. 703.

Manley, Thomas F., East Liverpool, Ohio. Convertible receptacle for hot-water and fountain-syringes. No. 1,252,285; Jan. 1; v. 246; p. 244.

Manlove, Joe J., *et al.* (See Short, Byron O., assignor.)

Manly, Charles M., New York, N. Y. Variable-speed gear. No. 1,266,606; May 21; v. 250; p. 538.

Manly, Charles M., Freeport, N. Y. Variable-stroke pump for hydraulic speed-gears. No. 1,283,249; Oct. 29; v. 255; p. 981.

Manly, Harold P., assignor to American Bureau of Engineering Inc., Chicago, Ill. Indicating device or the like. No. 1,288,094; Dec. 17; v. 257; p. 539.

Mann, A. R. (See Middleton, Fred H., assignor.)

Mann, Charles F., *et al.* (See Harris and Ritchay, assignors.)

Mann, Charles S. (See Vercler, Raymond D., assignor.)

Mann, Frederick W., Berkeley, and M. L. Chappell, El Segundo, assignors to Standard Oil Company, Richmond, Cal. Production of aromatic bodies from petroleum-oils. No. 1,257,906; Feb. 26; v. 247; p. 929.

Mann, George W., Pierce City, assignor of one-half to E. C. Block, Sarcoxie, Mo. Airship. No. 1,262,535; Apr. 9; v. 249; p. 464.

Mann, Grant F., Langford, S. D. Rail-brake for railway-cars. No. 1,279,568; Sept. 24; v. 254; p. 683.

Mann, Herbert C., Oklahoma, Okla. Pipe-joint. No. 1,280,514; Oct. 1; v. 255; p. 111.

Mann, Ira A., deceased; M. P. Mann, executrix, Pittsburgh, Pa. Pipe connection. No. 1,277,975; Sept. 3; v. 254; p. 176.

Mann, Ira A., deceased; M. P. Mann, executrix, Pittsburgh, Pa. Pipe connection. No. 1,277,976; Sept. 3; v. 254; p. 176.

Mann, Ira A., deceased; M. P. Mann, executrix, Pittsburgh, Pa. Pipe connection. No. 1,277,977; Sept. 3; v. 254; p. 177.

Mann, Ira P., deceased, Pittsburgh, Pa.; Marion P. Mann, executrix. Plumbing-bowl fixture. No. 1,256,918; Feb. 19; v. 247; p. 605.

Mann, James H., Jr., Little Rock, Ark. Vending-machine. No. 1,278,186; Sept. 10; v. 254; p. 257.

Mann, Marion P., executrix. (See Mann, Ira A.)

Mann, Miles H., assignor to International Money Machine Company, Terre Haute, Ind. Listing-machine. No. 1,255,198; Feb. 5; v. 247; p. 24.

Mann, Miles H., assignor to International Money Machine Company, Terre Haute, Ind. Register attachment. No. 1,273,895; July 30; v. 252; p. 996.

Mann, Miles H., assignor to International Money Machine Company, Reading, Pa. Registering-machine. No. 1,288,095; Dec. 17; v. 257; p. 539.

Mann, Oscar O., and W. Whitley, Gorman, Tex. Automatic fire and burglar alarm. No. 1,258,350; Mar. 5; v. 248; p. 116.

Mann, Seward W., New York, N. Y. Resurfacing-machine. No. 1,276,092; Aug. 20; v. 253; p. 546.

Mann, Wilfred G. (See Reavell and Mann.)

Mann, William, Langford, S. D. Mail-bag catcher and deliverer. No. 1,263,784; Apr. 23; v. 249; p. 862.

Manna, Giacinto, *et al.* (See Bertolini and Cappelletti, assignors.)

Manna, Pasquale, *et al.* (See Bertolini and Cappelletti, assignors.)

Manneschmidt, Lucia, New Brunswick, N. J. Test-plug. No. 1,284,404; Nov. 12; v. 256; p. 284.

Mannheimer, Harry M., St. Louis, Mo. Game apparatus. No. 1,263,334; Apr. 16; v. 249; p. 717.

Mannheimer, Isaac, Cincinnati, Ohio. Joint connection. No. 1,254,822; Jan. 29; v. 246; p. 1092.

Manning Bowman & Company. (See Barker, Walter G., assignor.)

Manning, Coleman J., Medford, Mass. Safety-valve. No. 1,265,693; May 7; v. 250; p. 222.

Manning, Don F., Valley Head, Ala. Wedge. No. 1,261,834; Apr. 9; v. 249; p. 272.

Manning, Elmer J., Janesville, Wis. Atomizer. No. 1,278,187; Sept. 10; v. 254; p. 258.

Manning, Elmer J., and H. B. Warne, Janesville, Wis. Carbureter. No. 1,281,044; Oct. 8; v. 255; p. 282.

Manning, Flavian D., Perryville, Mo. Dehorning-chute. No. 1,271,343; July 2; v. 252; p. 166.

Manning, Floyd J., San Francisco, Cal. Brake attachment for automobiles. No. 1,269,294; June 11; v. 251; p. 363.

Manning, Francis J., Medford, assignor, by mesne assignments, to American Steam Gauge & Valve Manufacturing Company, Boston, Mass. Pressure-gage. No. 1,274,921; Aug. 6; v. 253; p. 165.

Manning, Fred, Superior, Colo. Aerial apparatus. No. 1,283,248; Oct. 29; v. 255; p. 981.

Manning, George W., Chicago, Ill. Broom-making machine. No. 1,281,804; Oct. 15; v. 255; p. 520.

Manning, Harry W., Portland, Oreg. Oil-burner. No. 1,289,217; Dec. 31; v. 257; p. 862.

Manning, Harvey E., Mena, Ark. Vaporizer. No. 1,259,652; Mar. 19; v. 248; p. 559.

Manning, Howard H. (See Davenport and Manning.)

Manning, John T., Brookline, Mass. Folding umbrella. No. 1,254,823; Jan. 29; v. 246; p. 1093.

Manning, Maxwell & Moore Inc. (See Whichello, Norman, assignor.)

Manning, William W., Mountainair, N. Mex. Glove-thimble. No. 1,273,256; July 23; v. 252; p. 786.

Mannon, Roy B., London Mills, Ill. Stovepipe-lock. No. 1,278,704; Sept. 10; v. 254; p. 398.

Manns, William H., assignor to Frick Company, Waynesboro, Pa. Ammonia-condenser for ice-machines. No. 1,272,286; July 9; v. 252; p. 463.

Manofsky, Emil, *et al.* (See Manofsky, Herman E., assignor.)
Manofsky, Herman E., assignor of one-fifth to W. A. Klatte, one-fifth to W. C. Staude, one-fifth to H. D. Bockmann, and one-fifth to E. Manofsky, Chicago, Ill. Sanding-machine. No. 1,286,697; Dec. 3; v. 257; p. 124.
Manogue, William T., St. Louis, Mo., assignor, by mesne assignments, to Schroeder Headlight & Generator Company, Evansville, Ind. Fluid-turbine. No. 1,273,257; July 23; v. 252; p. 786.
Manor, Carl M., and J. Miller, Cleveland, Ohio. Automobile-signal. No. 1,283,844; Nov. 5; v. 256; p. 107.
Manown, Joseph, Trail, British Columbia, Canada. Filing device. No. 1,287,379; Dec. 10; v. 257; p. 331.
Mansager, Hoff M., Colton, S. D. Combined whip-socket and rein-holder. No. 1,276,940; Aug. 27; v. 253; p. 814.
Mansager, Hoff M., Colton, S. D. Door-spring. No. 1,276,941; Aug. 27; v. 253; p. 814.
Mansbendel, Fritz P., Brooklyn, N. Y. Binding-post. No. 1,264,833; Apr. 30; v. 249; p. 1184.
Mansell, Leonidas W. (See Mishoe and Mansell.)
Manser, Harry. (See Poirier and Monroe, assignors.)
Manson, Marsden, Berkeley, Cal. Teaching and illustrating. No. 1,289,849; Dec. 31; v. 257; p. 1019.
Manson, Ray H., assignor to The Garford Manufacturing Company, Elyria, Ohio. Automobile or motor-cycle horn. No. 1,268,863; June 11; v. 251; p. 243.
Manson, Ray H., assignor to The Garford Manufacturing Company, Elyria, Ohio. Automatic brake for talking-machines. No. 1,274,735; Aug. 6; v. 253; p. 113.
Manternach, John C., assignor to The Standard Parts Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,288,950; Dec. 24; v. 257; p. 773.
Manthey, Fred W. (See Middleton, Howard J., assignor.)
Manthey, Henry, assignor to The "New-Way" Motor Company, Lansing, Mich. Charge-forming device for internal-combustion engines. No. 1,287,380; Dec. 10; v. 257; p. 331.
Mantle Lamp Company of America, The. (See Davis, Cortland W., assignor.)
Mantle Lamp Company of America, The. (See Davis and Johnson, assignors.)
Mantle Lamp Company of America, The. (See Smith, Charles H., assignor.)
Mantle Lamp Company of America, The. (See Spangler and Davis, assignors.)
Manton, Robert C. (See Law and Manton.)
Manuel, L. W., assignor to Atlantic Dealers and Development Company, Jacksonville, Fla. Preserving fish, fowl, and flesh. No. 1,289,850; Dec. 31; v. 257; p. 1019.
Manuel, William H., assignor of one-half to J. A. Chandler, Terre Haute, Ind. Armor for pneumatic tires. No. 1,268,258; June 4; v. 251; p. 53.
Manuel, William P., Los Angeles, Cal. Feeding device for pencils. No. 1,275,957; Aug. 13; v. 253; p. 476.
Manville, Charles B. (See Lindquist and Manville.)
Manville, Claude L., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Air and varnish heater. No. 1,279,135; Sept. 17; v. 254; p. 541.
Manz, Frederick E. T., Rochester, N. Y. Sheeting-machine. No. 1,260,786; Mar. 26; v. 248; p. 923.
Manzer, Chester B., New York, N. Y. Amusement device. No. 1,272,488; July 16; v. 252; p. 546.
Apr. 9; v. 249; p. 417.
Mapel, Lewis A., assignor to Mechanical Development Company of Missouri, St. Louis, Mo. Controlling device. No. 1,265,933; May 14; v. 250; p. 322.
Mapel, Lewis A., assignor to Mechanical Development Company of Missouri, St. Louis, Mo. Gage. No. 1,265,934; May 14; v. 250; p. 323.
Mapel, Lewis A., assignor to Mapel Manufacturing Company, St. Louis, Mo. Variable switch mechanism. No. 1,284,735; Nov. 12; v. 256; p. 365.
Mapel Manufacturing Company. (See Mapel, Lewis A., assignor.)
Mapes, Clarence T., Crafton, assignor to Oil Well Supply Company, Pittsburgh, Pa. Casing-spear. No. 1,262,367;
Mapes, Dorchester, Chicago, Ill. Protective inclosure. No. 1,280,264; Oct. 1; v. 255; p. 42.
Mapes, Lewis C. (See Olsen and Mapes.)
Maple, Roy H., Indianapolis, Ind. Thermal electric cut-out. No. 1,261,256; Apr. 2; v. 249; p. 74.
Maple, Wilbert, Collinsville, Okla. Grain-separator. No. 1,260,227; Mar. 19; v. 248; p. 725.
Marascio, Frank A., Phillipsburg, N. J. Dust-collector. No. 1,272,489; July 16; v. 252; p. 546.
Marathon Company. (See Metcalf, Alpha H., assignor.)
Marbach, Frank G., assignor to The Champion Register Company, Cleveland, Ohio. Fireproof accounting-cabinet. No. 1,287,381; Dec. 10; v. 257; p. 331.
Marble, Harry M., *et al.* (See Doring, Max B. A., assignor.)
Marble, Harry M. (See Tait, Godfrey M. S., assignor.)
Marble, James E., Elizabeth, N. J. Nut and bolt holding device. No. 1,261,146; Apr. 2; v. 249; p. 43.
Marceau, George, New York, N. Y. Collapsible tube. No. 1,256,345; Feb. 12; v. 247; p. 401.

Marcel, François, Brooklyn, N. Y. Hair-waving iron. No. 1,277,739; Sept. 3; v. 254; p. 113.
Marcel, Henry E., London, England. Appliance for waving or treating hair. No. 1,263,582; Apr. 23; v. 249; p. 809.
Marcell, Alfred. (See Marcell, Lafayette, A., and F. C.)
Marcell, Frank C. (See Marcell, Lafayette, A., and F. C.)
Marcell, Lafayette and A., Millbury, and F. C. Marcell, Worcester, Mass. Animal-trap. No. 1,281,403; Oct. 15; v. 255; p. 414.
Marcellino, Francis, Brooklyn, N. Y. Music-sheet turner. No. 1,252,355; Jan. 1; v. 246; p. 262.
Marcellus, Hart W., Chicago, Ill. Hot-water boot. No. 1,257,086; Feb. 19; v. 247; p. 653.
Marcellus, Percy S., Orange, N. J. Sectional-top desk. No. 1,280,794; Oct. 8; v. 255; p. 215.
Marchand, Charles, deceased, Portland, Oreg.; M. L. Marchand, administratrix, assignor to The Marchand Process Company, Chicago, Ill. Treating by-product liquors from wood sulfite plants. No. 1,253,853; Jan. 15; v. 246; p. 764.
Marchand, Charles, deceased, Kimberly, Wis.; M. L. Marchand, administratrix, assignor to The Marchand Process Company, Chicago, Ill. Treating liquors from wood-pulp sulfite plants. No. 1,253,854; Jan. 15; v. 246; p. 765.
Marchand, Marie L., administratrix. (See Marchand, Charles.)
Marchand Process Company, The. (See Marchand, Charles, assignor.)
Marchant, Frank B., Brooklyn, N. Y. Lens-grooving machine. No. 1,254,253; Jan. 22; v. 246; p. 896.
Marchant, Harry A., Stoneham, Mass. Electric combination-lock. No. 1,283,845; Nov. 5; v. 256; p. 107.
Marchetti, Antonio, Tampa, Fla. Shoe-stretcher. No. 1,284,198; Nov. 5; v. 256; p. 201.
Marcinko, Jossef, Cleveland, Ohio. Driving-runner for automobiles. No. 1,254,824; Jan. 29; v. 246; p. 1093.
Marcinkowski, John. (See Ciolkosz, Piotr, assignor.)
Marco, Clarence S., Chicago, Ill. Coupon-sheet. No. 1,258,922; Mar. 12; v. 248; p. 321.
Marconi, Guglielmo, London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Wireless-telegraph transmitter. No. 1,271,190; July 2; v. 252; p. 124.
Marconi Wireless Telegraph Company of America. (See Butcher, Elmer E., assignor.)
Marconi Wireless Telegraph Company of America. (See Ewen, Harry A., assignor.)
Marconi Wireless Telegraph Company of America. (See Franklin, Charles S., assignor.)
Marconi Wireless Telegraph Company of America. (See Gray, Andrew, assignor.)
Marconi Wireless Telegraph Company of America. (See Marconi, Guglielmo, assignor.)
Marconi Wireless Telegraph Company of America. (See Shoenberg, Isaac, assignor.)
Marconi Wireless Telegraph Company of America. (See Weagant, Roy A., assignor.)
Marcum, Albert L., assignor to Dow Wire & Iron Works, Louisville, Ky. Automobile-body brace. No. 1,266,528; May 14; v. 250; p. 485.
Marcus, Charles, Far Rockaway, N. Y., assignor, by mesne assignments, to Bijur Motor Appliance Company. Brush-mounting for dynamos and the like. No. 1,276,552; Aug. 20; v. 253; p. 674.
Marcus, Israel, Winthrop, Mass. Electric fuse. No. 1,265,223; May 7; v. 250; p. 97.
Marcus, Israel, Winthrop, Mass. Resistance-coil. No. 1,268,374; June 4; v. 251; p. 87.
Marcus, Jacob, Rochester, N. Y. Bit-stock. No. 1,272,980; July 16; v. 252; p. 686.
Marcus, Samuel, New York, N. Y. Artificial eyes for dolls, display-figures, and the like. No. 1,252,469; Jan. 8; v. 246; p. 331.
Marcus, Samuel, New York, N. Y. Artificial eyes for dolls, display-figures, and the like. No. 1,286,045; Nov. 26; v. 256; p. 773.
Marcy, Fred A., and G. F. Thayer, Providence, R. I., assignors to M and T Button Company, Boston, Mass. Shoe-button. No. 1,261,580; Apr. 2; v. 249; p. 167.
Marcy, Richard. (See Nevens, Wallace, and Marcy.)
Marcy, Willard A., Newton Upper Falls, assignor to The Lamson Company, Boston, Mass. Safety device for tray-conveyers and the like. No. 1,277,100; Aug. 27; v. 253; p. 857.
Marder, Walter S. (See Hay and Marder.)
Mardick, John R., New York, N. Y. Nitro compounds and making same from tar-oils. No. 1,258,587; Mar. 5; v. 248; p. 186.
Mardis, James F., Hardin, Ky. Running-gear, rough-road-buggy coupling. No. 1,257,087; Feb. 19; v. 247; p. 654.
Mardis, Paul L. (See Simmon and Mardis.)
Mardis, Paul L., Altoona, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,266,607; May 21; v. 250; p. 538.
Mardon, John S., and L. D. Fay, Loyalton, Cal. Wood-working-machine. No. 1,273,516; July 23; v. 252; p. 855.
Mares, Frank C., Jr., Dwight, Nebr. Straw-spreader. No. 1,266,968; May 21; v. 250; p. 639.

Alphabetical list of patentees—Continued.

Maresch, August J., Faithorn Junction, Mich., assignor of one-half to Kading & Kading, Watertown, Wis. Tractor. No. 1,268,034; May 28; v. 250; p. 963.
Margeson, James E., Jasper, N. Y. Barb-wire stretcher. No. 1,274,736; Aug. 6; v. 253; p. 113.
Margetts, George R., assignor of one-half to J. P. Keary, Chicago, Ill. Spoon. No. 1,273,642; July 23; v. 252; p. 889.
Marggraff, Arthur, *et al.* (See Olsen, Edwin O., assignor.)
Marggraff, Frederich, *et al.* (See Olsen, Edwin O., assignor.)
Marggraff, Harvey, *et al.* (See Olsen, Edwin O., assignor.)
Margolis, Herman, Somerville, Mass. Clutch mechanism. No. 1,278,705; Sept. 10; v. 254; p. 398.
Marguerat, Robert. (See Julien and Marguerat.)
Marine Appliances Limited. (See Josling, Harold W. E., assignor.)
Mariner, Charles A. D., assignor of one-half to F. W. Yost, Kiester, Minn. Oil-can holder. No. 1,289,505; Dec. 31; v. 257; p. 935.
Marinier, Ernest E., Paris, France. Printing and goffering fabrics. No. 1,252,710; Jan. 8; v. 246; p. 401.
Marino, James, Duluth, Minn. Automatic fire-alarm. No. 1,253,071; Jan. 8; v. 246; p. 508.
Marion, Frank, assignor to The Marion Rotary Motors Company, Hardwick, Vt. Internal-combustion engine. No. 1,281,621; Oct. 15; v. 255; p. 471.
Marion Rotary Motors Company, The. (See Marion, Frank, assignor.)
Marion Steam Shovel Company, The. (See King, Jacoby, Roush, and Holmes, assignors.)
Marion Steam Shovel Company, The. (See King, Johnson, and Jacoby, assignors.)
Marion Steam Shovel Company, The. (See King, Renzenberger, and Holmes, assignors.)
Marinsky, Davis, New York, N. Y. Machine for making fastening devices. No. 1,272,981; July 16; v. 252; p. 686.
Mariscal, Jose M., and A. L. Gutierrez, Sonora, Ariz. Ribbon-bolt holder. No. 1,281,184; Oct. 8; v. 255; p. 321.
Mark, Allen M., and B. H. McElvain, Denver, Colo. Centrifugal separator. No. 1,283,846; Nov. 5; v. 256; p. 108.
Mark, Bernard B., Joplin, Mo. Toy. No. 1,266,296; May 14; v. 250; p. 422.
Mark, Clayton. (See Dies, Charles A., assignor.)
Mark, Clayton, Lake Forest, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Journal-box. No. 1,278,969; Sept. 17; v. 254; p. 499.
Mark Cross Company. (See Johnson, Adam E., assignor.)
Mark, Hartson A., Oshkosh, Nebr. Washing and separating materials. No. 1,269,947; June 18; v. 251; p. 574.
Marke, Aage, Charlottenburg, Germany. Low-pressure gas lighting and extinguishing apparatus. No. 1,256,712; Feb. 19; v. 247; p. 544.
Markel, Charles, Clinton, Iowa. Driving-box side-motion plate. No. 1,275,958; Aug. 13; v. 253; p. 478.
Markem Machine Company. (See Putnam and Axford, assignors.)
Marker, Charles G., Denver, Colo. Buckle-holder. No. 1,288,096; Dec. 17; v. 257; p. 540.
Markey, Eugene, Toledo, Ohio. Work-holding arbor. No. 1,285,763; Nov. 26; v. 256; p. 703.
Markey, Thomas M., and J. Oberlin, Flint, Mich. Heel-plate. No. 1,284,916; Nov. 12; v. 256; p. 412.
Markham Air Rifle Co., The. (See Greenleaf, William B., assignor.)
Markham Air Rifle Company, The. (See Greenleaf and Roe, assignors.)
Markham, Burtis O. (See Evans and Dutt, assignors.)
Markham, Charles F., assignor to J. H. Stone, Providence, R. I. Ornament-carrying ear-clamp. No. 1,287,067; Dec. 10; v. 257; p. 251.
Markham, Charles M., Milwaukee, Wis. Column-clamp. No. 1,270,965; July 2; v. 252; p. 60.
Markham, Edwin G. J., Watrus, Saskatchewan, Canada. Goggles. No. 1,270,640; June 25; v. 251; p. 788.
Markham, James W., Armstrong, Ind. Steering-wheel. No. 1,255,199; Feb. 5; v. 247; p. 25.
Markiel, Henry J., Westfield, N. Y. Automatic trap-nest. No. 1,253,855; Jan. 15; v. 246; p. 765.
Markle, Donald, Hazleton, Pa. Fuel and forming the same. No. 1,287,382; Dec. 10; v. 257; p. 331.
Markle, George W., Brantford, Ontario, Canada. Honey-extractor. No. 1,277,451; Sept. 3; v. 254; p. 34.
Markley, Joseph F., Caldwell, N. J. Implement for trimming boots and shoes. No. 1,283,847; Nov. 5; v. 256; p. 108.
Markowitz, Benjamin. (See Kipniss and Neumann, assignors.)
Markowitz, William, Cleveland, Ohio. Combined brush and comb. No. 1,287,383; Dec. 10; v. 257; p. 332.
Marks Brother Co. (See Marks, Isidore, assignor.)
Marks, Isaac L., San Francisco, Cal. Radiator sight-gage. No. 1,286,046; Nov. 26; v. 256; p. 773.
Marks, Isidore, assignor to Marks Brother Co., Boston, Mass. Game apparatus. No. 1,262,821; Apr. 16; v. 249; p. 574.
Marks, John C., Chicago, Ill. Flower-pot. No. 1,251,552; Jan. 1; v. 246; p. 31.
Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter-actuating device. No. 1,255,901; Feb. 12; v. 247; p. 268.
Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,257,624; Feb. 26; v. 247; p. 847.
Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,270,311; June 25; v. 251; p. 697.
Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter-actuating device. No. 1,270,537; June 25; v. 251; p. 760.
Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Detachable shutter-releasing device. No. 1,273,172; July 23; v. 252; p. 764.
Markussen, Alvah, Hooper, Nebr. Primer. No. 1,288,635; Dec. 24; v. 257; p. 697.
Markwell, Andrew E., assignor of one-half to S. C. Evans, Fort Worth, Tex. Ruling type-form and producing the same. No. 1,263,335; Apr. 16; v. 249; p. 717.
Marky, Charles, administrator. (See Marky, William.)
Marky, William, deceased, Buffalo, N. Y.; C. Marky, administrator. Brake mechanism for railway-cars. No. 1,284,205; Nov. 5; v. 256; p. 202.
Marlatt, George E., Pasadena, Cal. Type-casting mechanism for linotype-machines. No. 1,263,265; Apr. 16; v. 249; p. 699.
Marlatt, George E., Pasadena, Cal. Typographical machine. No. 1,263,266; Apr. 16; v. 249; p. 699.
Marlatt, George E., Pasadena, Cal. Linotype-machine. No. 1,266,969; May 21; v. 250; p. 639.
Marlatt, George E., Pasadena, Cal. Typographical machine. No. 1,266,970; May 21; v. 250; p. 639.
Marley, George A. J. (See Murray and Marley.)
Marlin, Isaac U., assignor, by mesne assignments to G. T. and L. T. Cunningham, Shreveport, La. Acetylene-generator. No. 1,257,088; Feb. 19; v. 247; p. 654.
Marlin-Rockwell Corporation. (See Cheney, Arthur M., assignor.)
Marlin-Rockwell Corporation. (See Lippincott, Wells A., assignor.)
Marlin-Rockwell Corporation. (See Neal, Elmer E., assignor.)
Marlin-Rockwell Corporation. (See Westman, Axel L., assignor.)
Marling, John B., Hatton, Ark. Rotary-bottom boat. No. 1,258,428; Mar. 5; v. 248; p. 140.
Marling, Thomas V., San Diego, Cal. Front-wheel drive mechanism. No. 1,289,851; Dec. 31; v. 257; p. 1019.
Marmon, Howard. (See Jeffers, Clarence E., assignor.)
Marmon, Howard, Indianapolis, Ind. Oiling system for engines. No. 1,256,242; Feb. 12; v. 247; p. 371.
Marohnich, Matt, *et al.* (See Stiffey, James J., assignor.)
Marois, Henri, Lewiston, Me. Instrument for applying liquid finish to shoes. No. 1,253,408; Jan. 15; v. 246; p. 637.
Marois, Henri, Lewiston, Me. Instrument for applying liquid finish to shoes. No. 1,256,581; Feb. 19; v. 247; p. 505.
Marong, Michael P., Buffado, N. Y. Night automatic license-box. No. 1,260,228; Mar. 19; v. 248; p. 725.
Marpole, John E., Cumberland, British Columbia, Canada. Torpedo-guard. No. 1,264,112; Apr. 23; v. 249; p. 951.
Marqua, Edward C., H. Von Unwerth, and J. H. Byrd, Kansas City, Mo. Dome for concrete structures. No. 1,254,919; Jan. 29; v. 246; p. 1122.
Marqua, Edward C., Kansas City, Mo. Collapsible form for concrete construction-work. No. 1,285,295; Nov. 19; v. 256; p. 546.
Marqua, Edward C., H. Von Unwerth, and J. H. Byrd, Kansas City, Mo. Dome for concrete structures. No. 1,258,923; Mar. 12; v. 248; p. 322.
Marquardt, Reinhold G., Milwaukee, Wis. Mattress-spring. No. 1,278,188; Sept. 10; v. 254; p. 258.
Marques, José, Gloucester, Mass. Stabilizing apparatus for aircraft. No. 1,277,452; Sept. 3; v. 254; p. 34.
Marquess, Charles H., Minneapolis, Minn. Making battery-vaults or the like. No. 1,281,404; Oct. 15; v. 255; p. 415.
Marquess, Charles H., Minneapolis, Minn. Concrete article. No. 1,281,405; Oct. 15; v. 255; p. 415.
Marquess, Charles H., Minneapolis, Minn. Battery-vault construction. No. 1,281,406; Oct. 15; v. 255; p. 416.
Marquess, Charles H., Minneapolis, Minn. Apparatus for making concrete articles. No. 1,281,407; Oct. 15; v. 255; p. 416.
Marquess, Charles H., Minneapolis, Minn. Making concrete articles. No. 1,281,408; Oct. 15; v. 255; p. 416.
Marquess, Charles H., Minneapolis, Minn. Battery-vault and the like. No. 1,281,622; Oct. 15; v. 255; p. 471.
Marquette, Melvon A., San Francisco, Cal. Tire-inflater. No. 1,253,856; Jan. 15; v. 246; p. 765.
Marquette, William V. B., Yonkers, N. Y. Hanger. No. 1,251,800; Jan. 1; v. 246; p. 108.
Marquis, Fanny O., New York, N. Y. Food composition. No. 1,279,390; Sept. 17; v. 254; p. 612.
Marr, Alexander W., Canton, Ohio. Quick-action jack. No. 1,257,508; Feb. 26; v. 247; p. 812.

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Marr, Alexander W., Canton, Ohio. Tire-saving jack. No. 1,257,509; Feb. 26; v. 247; p. 812.
Marr, Walter L., Flint, Mich. Explosive-engine. No. 1,259,891; Mar. 19; v. 248; p. 630.
Marr, Winfield S., Enid, Okla. Cigar and cigarette lighter. No. 1,265,695; May 7; v. 250; p. 222.
Marresford, William F., Brooklyn, N. Y. Perforating mechanism. No. 1,260,694; Mar. 26; v. 248; p. 897.
Marriner, James E., Portland, Me. Accelerator safety-guard. No. 1,265,801; May 14; v. 250; p. 284.
Marriott, Charles J., Comfort township, Kanabec county, Minn. Sanitary floor-cleaning device. No. 1,255,902; Feb. 12; v. 247; p. 269.
Marrs, Huston H., Denver, Colo. Gas-lamp. No. 1,271,048; July 2; v. 252; p. 84.
Marschel, Christian A., St. Louis, Mo., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,263,913; Apr. 23; v. 249; p. 899.
Marsden, Mark W., Philadelphia, Pa. Cotton-gin. No. 1,265,470; May 7; v. 250; p. 164.
Marsden, Mark W., Philadelphia, Pa. Treating vegetable fiber. No. 1,269,476; June 11; v. 251; p. 412.
Marsden, Mark W., assignor to Sugar Cane By-Products Company, Philadelphia, Pa. Treating bagasse for the recovery of its values. No. 1,265,694; May 7; v. 250; p. 222.
Marseilles Company, The. (See Brown, Theophilus, assignor.)
Marseilles Company. (See Courtney, Thomas S., assignor.)
Marseilles, William M., Clinton, Mo. Demountable rim. No. 1,287,724; Dec. 17; v. 257; p. 446.
Marsey, Harry, *et al.* (See Hoppie, Charles W., assignor.)
Marsh-Capron Manufacturing Company. (See Mosby, Alfred D., assignor.)
Marsh, Cynthia E. R., Springfield, Mass. Dish-tray. No. 1,261,257; Apr. 2; v. 249; p. 75.
Marsh, Frederick, Leeds, assignor of one-third to W. Hey and one-third to J. Willie, Meadowcroft, York, England. Tap-sole. No. 1,274,922; Aug. 6; v. 253; p. 165.
Marsh, Ira E., Newark, assignor to The Dwyer Bros. & Co., Columbus, Ohio. Combination musical instrument. 1,256,487; Feb. 12; v. 247; p. 442.
Marsh, James E., Reedville, Va. Smoke-consumer. No. 1,258,588; Mar. 5; v. 248; p. 187.
Marsh, James H., New York, N. Y. Disinfecting apparatus. No. 1,254,337; Jan. 22; v. 246; p. 921.
Marsh, James H., New York, N. Y. Pen. No. 1,285,296; Nov. 19; v. 256; p. 546.
Marsh, Samuel L., New York, N. Y. Support for cutting-tools. No. 1,289,219; Dec. 31; v. 257; p. 863.
Marsh, Willard E., Fort Worth, Tex. Foldable tent-bed. No. 1,270,249; June 18; v. 251; p. 654.
Marsh, William J., Dexter, Iowa. Hog-oiler. No. 1,289,852; Dec. 31; v. 257; p. 1020.
Marshall, Albert T., assignor to Automatic Refrigerating Company, Hartford, Conn. Retarded solenoid. No. 1,278,189; Sept. 10; v. 254; p. 258.
Marshall, Allison M., Stigler, Okla. Shingle-machine. No. 1,261,581; Apr. 2; v. 249; p. 167.
Marshall, Clarence, Chicago, Ill. Hat-fastener. No. 1,259,763; Mar. 19; v. 248; p. 592.
Marshall, Edward J. (See Hendershot and Marshall.)
Marshall, Edward L., Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company. Electric battery. No. 1,281,409; Oct. 15; v. 255; p. 416.
Marshall, Frank D., Central City, Iowa. Grain-shocker. No. 1,273,517; July 23; v. 252; p. 856.
Marshall, Frank M., Los Angeles, Cal., assignor to American District Telegraph Company, Jersey City, N. J. Signal-transmitting device. No. 1,284,736; Nov. 12; v. 256; p. 365.
Marshall Field & Co. (See Gibbs, William J., assignor.)
Marshall Field & Company. (See Dufour, George H., assignor.)
Marshall Field & Company. (See Stone, Vincent, assignor.)
Marshall, George, Los Angeles, Cal. Nail-stripper. No. 1,286,698; Dec. 3; v. 257; p. 125.
Marshall, George, Los Angeles, Cal. Nail-stripper device. No. 1,269,544; June 11; v. 251; p. 430.
Marshall, Henry, assignor of one-half to E. V. Grimes, New York, N. Y. Hand-rubber. No. 1,255,101; Jan. 29; v. 246; p. 1171.
Marshall Holmes, Plainfield, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,284 405; Nov. 12; v. 256; p. 284.
Marshall, Holmes, Plainfield, N. J., assignor, by mesne assignments, to Underwod Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,285,297; Nov. 19; v. 256; p. 546.
Marshall, James E., Caney, Kans. Inclinometer. No. 1,260,565; Mar. 26; v. 248; p. 859.
Marshall, James E., Caney, Kans. Inclinometer. No. 1,271,049; July 2; v. 252; p. 84.
Marshall, James F. (See Whitehead and Marshall.)
Marsico, Jerard R., Brooklyn, N. Y., assignor to The Sparks-Withington Company, Cleveland, Ohio. Mechanical horn. No. 1,269,477; June 11; v. 251; p. 412.
Marsico, Jerard R., Brooklyn, N. Y. Horn-actuating mechanism. No. 1,288,636; Dec. 24; v. 257; p. 697.
Marshall, Port R., and H. L. Goss, Horton, Kans. Hypodermic-needle sterilizer. No. 1,265,224; May 7; v. 250; p. 97.
Marshall, Richard J., Brooklyn, N. Y. Safety device for sad-irons. No. 1,281,045; Oct. 8; v. 255; p. 282.
Marshall, William F., New York, N. Y. Pencil. No. 1,286,699; Dec. 3; v. 257; p. 125.
Marshall, William H. (See Wright and Marshall.)
Marston, Albert D., Whiting, Kans. Fish-stop. No. 1,263,691; Apr. 23; v. 249; p. 837.
Marston, Archibald B., New Orleans, La. Turpentine-separator. No. 1,262,076; Apr. 9; v. 249; p. 335.
Marston, Frank L., Portland, Me. Fluid-pressure brake system. No. 1,269,478; June 11; v. 251; p. 412.
Martel, Adelard F. (See Grohnert, Alfred F., assignor.)
Martell, Albert A., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Method and apparatus for accurately alining bearings. No. 1,269,832; June 18; v. 251; p. 544.
Martell, Albert A., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Connecting-rod reamer and the like. No. 1,269,833; June 18; v. 251; p. 544.
Martell, Andrew K., and E. Monhof, Los Angeles, Cal. Tractor. No. 1,272,287; July 9; v. 252; p. 464.
Martell, Andrew K., and E. Monhof, Los Angeles, Cal. Pipe-making machine. No. 1,288,637; Dec. 24; v. 257; p. 698.
Martell, Andrew K., and F. Waterfield, assignors to E. Monhof, Los Angeles, Cal. Self-adjusting glove-stretching form. No. 1,259,119; Mar. 12; v. 248; p. 379.
Martell, Louis H., Elyria, Ohio. Packing device. No. 1,272,288; July 9; v. 252; p. 464.
Marten, Henry F., H. Grahn, and J. C. Andresen, San Francisco, Cal. Barrel-stave-numbering apparatus. No. 1,266,840; May 21; v. 250; p. 603.
Marten, Thomas H., Toronto, Ontario, Canada. Governor for lowering devices. No. 1,255,453; Feb. 5; v. 247; p. 97.
Martenka, Steve, Stevens Point, Wis. Rail-joint. No. 1,267,096; May 21; v. 250; p. 675.
Martens, George, New York, N. Y. Trombone-support. No. 1,255,766; Feb. 5; v. 247; p. 189.
Martens, John, Chicago, Ill. Hot-water heater. No. 1,255,454; Feb. 5; v. 247; p. 98.
Martens, John, Chicago, Ill. System for supplying drinking-water. No. 1,284,406; Nov. 12; v. 256; p. 284.
Martens, John B., Cleveland, assignor to A. H. Bates, Cleveland Heights, Ohio. Die-stock. No. 1,289,506; Dec. 31; v. 257; p. 935.
Marti, Alfred, and A. Oesch, Erie, Pa. Tool-holder. No. 1,287,068; Dec. 10; v. 257; p. 252.
Marti, Charles, Newark, N. J., Intermittent movement. No. 1,268,035; May 28; v. 250; p. 964.
Martin, Adolph L., *et al.* (See Kurowski, Alfred G. F., assignor.)
Martin, Albert W., Worcester, Mass., assignor to Wire Goods Company. Power-operated wire-working tool. No. 1,268,139; June 4; v. 251; p. 20.
Martin, Albert W., Indianapolis, and J. N. Martin, Beech Grove, Ind. Lock for grease-cup caps. No. 1,278,706; Sept. 10; v. 254; p. 398.
Martin, Alberta, Portland, Me. Baby-swing. No. 1,252,133; Jan. 1; v. 246; p. 202.
Martin, Alfred, assignor of one-half to W. J. Sandberg, Chicago, Ill. Loose-leaf binder. No. 1,269,479; June 11; v. 251; p. 413.
Martin, Alvie R., assignor of one-half to J. V. Trammell, Stonefort, Ill. Rail-joint. No. 1,279,391; Sept. 17; v. 254; p. 612.
Martin, Carl A., Genoa, Colo. Bean-harvester. No. 1,284,737; Nov. 12; v. 256; p. 365.
Martin, Cecil S. (See Rodemeyer and Martin.)
Martin, Charles, Manchester, Iowa. Violin. No. 1,278,707; Sept. 10; v. 254; p. 398.
Martin, Charles E., Mansfield, Ohio. Bending corrugated material. No. 1,268,745; June 4; v. 251; p. 190.
Martin, Charles H., West Springfield, Mass. Bearing for axles and the like. No. 1,289,220; Dec. 31; v. 257; p. 863.
Martin, Charles T., Wolcott, Ind. Ink-well. No. 1,263,914; Apr. 23; v. 249; p. 899.
Martin, Charles W., Brooklyn, N. Y. Fishing-tackle. No. 1,257,907; Feb. 26; v. 247; p. 929.
Martin, Christian H., Columbus, assignor to J. R. Gammeter, Akron, Ohio. Piano-bench. No. 1,269,948; June 18; v. 251; p. 574.
Martin, Clarence H., Endeavor, Wis. Lightning-arrester. No. 1,271,050; July 2; v. 252; p. 84.
Martin, Claud V., Norwalk, Ohio. Air-valve and making same. No. 1,288,097; Dec. 17; v. 257; p. 540.
Martin-Copeland Company. (See Willemin, Edward A., assignor.)
Martin, David M., Chatham, Ontario, Canada. Liquid-level indicator. No. 1,263,451; Apr. 23; v. 249; p. 773.
Martin, David W., and R. F. Thompson, Schenectady, N. Y., assignors to General Electric Company. Electromagnet. No. 1,253,409; Jan. 15; v. 246; p. 638.
Martin, Douglas J., New York, N. Y. Explosive-engine. No. 1,280,058; Sept. 24; v. 254; p. 823.

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Martin, Edgar W., *et al.*, trustees. (See Ferris, William W., assignor.)
Martin, Edward, Colwich, Kans. Picker-tooth for shock-loaders, &c. No. 1,258,351; Mar. 5; v. 248; p. 116.
Martin, Edward M. (See Dutton, Lonzo D., assignor.)
Martin, Elam, H., Narvon, Pa. Spring-catch. No. 1,258,589; Mar. 5; v. 248; p. 187.
Martin, Emanuel A., Pittsburgh, Pa. Tool-guard. No. 1,270,430; June 25; v. 251; p. 731.
Martin, Ernest, Neoga, Ill. Nut-lock. No. 1,285,764; Nov. 26; v. 256; p. 703.
Martin, Foster N., Newberry, S. C. Bed-rail. No. 1,259,764; Mar. 19; v. 248; p. 592.
Martin, Frank J., Greenfield, Mass. Marking-machine. No. 1,262,223; Apr. 9; v. 249; p. 377.
Martin, Frank R. (See Shipwright and Martin.)
Martin, Fred, Stoneham, Mass. Antiskid-chain holder for vehicle-wheels. No. 1,287,384; Dec. 10; v. 257; p. 332.
Martin, Fred P., Ottawa, Kans. Culvert-form. No. 1,275,457; Aug. 13; v. 253; p. 338.
Martin, Frederick W. (See Elvin and Martin.)
Martin, Frederick W., New York, N. Y., assignor to Franklin Railway Supply Company, Wilmington, Del. Automatic closing device for fire-doors. No. 1,258,033; Mar. 5; v. 248; p. 25.
Martin, Frederick W., New York, assignor to A. G. Elvin, Plandome, N. Y. Mechanical stoker. No. 1,267,681; May 28; v. 250; p. 864.
Martin, Frederick W., Bayside, assignor to Franklin Railway Supply Company, New York, N. Y. Ball-and-socket joint. No. 1,268,259; June 4; v. 251; p. 53.
Martin, Frederick W., New York, N. Y., assignor to Franklin Railway Supply Company, Wilmington, Del. Automatic wedge for driving-boxes. No. 1,268,746; June 4; v. 251; p. 191.
Martin, Frederick W., New York, N. Y., assignor to Franklin Railway Supply Company, Wilmington, Del. Driving-box wedge device. No. 1,268,747; June 4; v. 251; p. 191.
Martin, Frederick W., New York, N. Y., assignor to Franklin Railway Supply Company, Wilmington, Del. Driving-box hub-lubricator. No. 1,268,748; June 4; v. 251; p. 191.
Martin, Frederick W., New York, N. Y., assignor to Franklin Railway Supply Company, Wilmington, Del. Automatic driving-box wedge. No. 1,268,781; June 4; v. 251; p. 201.
Martin, George A. (See Dexter and Martin.)
Martin, George J., Eau Claire, Wis. Tree-support. No. 1,287,069; Dec. 10; v. 257; p. 252.
Martin, George T. (See Cullen and Martin.)
Martin, George V., assignor to The National Malleable Castings Company, Cleveland, Ohio. Pocket for engine-couplings. No. 1,274,737; Aug. 6; v. 253; p. 113.
Martin, George W., and C. Price, Worcester, Mass. Automatic shoe-shining machine. No. 1,267,435; May 28; v. 250; p. 796.
Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Ticket-printing register. No. 1,254,825; Jan. 29; v. 246; p. 1094.
Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Auditing-machine. No. 1,261,147; Apr. 2; v. 249; p. 44.
Martin, Harold H., Seattle, Wash. Cost-filing device. No. 1,253,410; Jan. 15; v. 246; p. 638.
Martin, Harold T., assignor to Western Electric Company, Incorporated, New York, N. Y. Operating-button for electrical switching apparatus and process for making such button. No. 1,262,368; Apr. 9; v. 249; p. 418.
Martin, Harry, and J. R. White, Milford, Utah. Cap for valves. No. 1,270,641; June 25; v. 251; p. 788.
Martin, Harry D., *et al.* (See Macon, Alexander W., assignor.)
Martin, Harry J., Fort Dodge, Iowa. Lance-piece for pyrotechnics. No. 1,263,785; Apr. 23; v. 249; p. 862.
Martin, Harry T., Milwaukee, Wis. Connecting member for electrical conductors. No. 1,256,813; Feb. 19; v. 247; p. 573.
Martin, Horace G., Rutherford, N. J. Telegraphic sending-machine. No. 1,260,008; Mar. 19; v. 248; p. 665.
Martin, Horace G., Rutherford, N. J. Key-holder. No. 1,261,148; Apr. 2; v. 249; p. 44.
Martin, Howard, Aberdeen, Ohio. Paint-bucket hook. No. 1,265,471; May 7; v. 250; p. 164.
Martin, Jacob N. (See Martin, Albert W. and J. N.)
Martin, James F., and H. N. Müller, said Martin assignor to said Müller, Pittsburgh, Pa. Lightning-arrester. No. 1,277,978; Sept. 3; v. 254; p. 177.
Martin, James N., and A. S. Bragan, Birmingham, Ala. Smoke and heat generator. No. 1,275,959; Aug. 13; v. 253; p. 476.
Martin, James V., Detroit, Mich. Aircraft structure. No. 1,277,979; Sept. 3; v. 254; p. 177.
Martin, Jesse A., Los Angeles, Cal. Gas-valve. No. 1,281,185; Oct. 8; v. 255; p. 321.
Martin, Jesse C., Jr., Sausalito, Cal. Locomotive-fire-box construction. No. 1,259,030; Mar. 12; v. 248; p. 354.
Martin, John, assignor of one-half to J. Heatly, Colton, Cal. Automatic railway-switch. No. 1,259,259; Mar. 12; v. 248; p. 416.
Martin, John, assignor of one-half to J. De Barros, Imperial, Cal. Rapid-firing gun. No. 1,285,765; Nov. 26; v. 256; p. 703.
Martin, John A., Indianapolis, Ind. Tractor-trailer attachment. No. 1,259,120; Mar. 12; v. 248; p. 379.
Martin, John B., Cincinnati, Ohio. Scale. No. 1,264,834; Apr. 30; v. 249; p. 1184.
Martin, John B., Cincinnati, Ohio. Lifting-truck. No. 1,280,795; Oct. 8; v. 255; p. 215.
Martin, John R., St. Louis, Mo. Motor-driven shaving and hair-cutting machine. No. 1,262,536; Apr. 9; v. 249; p. 465.
Martin, John W., Pittsburgh, Pa. Vehicle-wheel. No. 1,282,611; Oct. 22; v. 255; p. 779.
Martin, Joseph M. (See Farmes, Charles, assignor.)
Martin, Laurence C., *et al.*, trustees. (See Ferris, William W., assignor.)
Martin, Laurence C., Providence, R. I. Eyeglasses. No. 1,254,826; Jan. 29; v. 246; p. 1094.
Martin, Laurence C., Providence, R. I. Eyeglass construction. No. 1,278,190; Sept. 10; v. 254; p. 259.
Martin, Louis L., Toronto, Ontario, Canada. Dome-fastener. No. 1,261,835; Apr. 9; v. 249; p. 272.
Martin, Louis L., Toronto, Ontario, Canada. Dome-fastener. No. 1,261,836; Apr. 9; v. 249; p. 272.
Martin, Louis W., New York, N. Y. Signaling device. No. 1,267,436; May 28; v. 250; p. 796.
Martin, Loyal M., Newkirk, Okla. Cotton-container. No. 1,262,369; Apr. 9; v. 249; p. 418.
Martin, Mary, Santa Barbara, Cal. Washboard. No. 1,269,480; June 11; v. 251; p. 413.
Martin, Myron R., St. Louis Park, Minn. Grinding disk or bur. No. 1,251,905; Jan. 1; v. 246; p. 138.
Martin, Otto J. T. G. R., Vancouver, British Columbia, Canada. Smelting and refining furnace. No. 1,271,051; July 2; v. 252; p. 85.
Martin, Otto J. T. G. R., Vancouver, British Columbia, Canada. Lining for furnaces. No. 1,271,052; July 2; v. 252; p. 85.
Martin, Paul, Hartford, Conn. Automobile-cover. No. 1,285,766; Nov. 26; v. 256; p. 704.
Martin, Philip J., Detroit, Mich. Internal-combustion engine. No. 1,257,268; Feb. 19; v. 247; p. 706.
Martin, Richard D., El Reno, Okla. Plant for utilizing waste heat. No. 1,275,962; Aug. 13; v. 253; p. 477.
Martin, Richard H., Toccoa, Ga. Operative device for train-pipe valves. No. 1,263,692; Apr. 23; v. 249; p. 837.
Martin, Richard H., Toccoa, Ga. Quick plug attachment. No. 1,273,896; July 30; v. 252; p. 996.
Martin, Richard H., Gainesville, Ga. Quick-detachable coupling. No. 1,287,385; Dec. 10; v. 257; p. 332.
Martin, Robert P. (See Kollock and Martin.)
Martin, Roy J., Lamar, Okla. Hand-rake attachment. No. 1,276,671; Aug. 20; v. 253; p. 706.
Martin, Samuel M., Sidney, Ohio. Air-heating attachment for stoves. No. 1,288,099; Dec. 17; v. 257; p. 540.
Martin, Sarah V., San Francisco, Cal. Life-boat. No. 1,263,583; Apr. 23; v. 249; p. 809.
Martin Studios. (See Martin, William S., assignor.)
Martin, Talbert G., assignor to Automatic Electric Company, Chicago, Ill. Semi-automatic telephone system. No. 1,265,225; May 7; v. 250; p. 97.
Martin, Talbot G., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Co. Semi-automatic telephone trunking system. No. 1,253,703; Jan. 15; v. 246; p. 722.
Martin, Talbot G., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Semi-automatic telephone system. No. 1,254,012; Jan. 15; v. 246; p. 808.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Common-battery two-wire repeater system. No. 1,260,424; Mar. 26; v. 248; p. 816.
Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Company, Chicago, Ill. Telephone-exchange system. (Reissue.) No. 14,462; Apr. 23; v. 249; p. 961.
Martin, Talbot G., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Co. Automatic telephone system and apparatus. No. 1,267,097; May 21; v. 250; p. 675.
Martin, Talbot G., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Co. Combined selector and repeater apparatus for local-battery-telephone-exchange systems. No. 1,268,072; May 28; v. 250; p. 973.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Telephone system. No. 1,267,784; May 28; v. 250; p. 893.
Martin, Talbot G., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Telephone-exchange system. No. 1,282,257; Oct. 22; v. 255; p. 684.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,288,098; Dec. 17; v. 257; p. 540.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,289,853; Dec. 31; v. 257; p. 1020.

Alphabetical list of patentees—Continued.

Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,289,854; Dec. 31; v. 257; p. 1020.
Martin, Thomas C. (See Merrill and Martin.)
Martin, Thomas P., Jr., Oklahoma, Okla. Loose-leaf passbook. No. 1,254,052; Jan. 22; v. 246; p. 839.
Martin, Thomas P., Jr., Oklahoma, Okla. Paper-currency wrapper. No. 1,270,642; June 25; v. 251; p. 788.
Martin, Wallace B., St. Paul, Minn. Valve grinding and reseating tool. No. 1,286,378; Dec. 3; v. 257; p. 48.
Martin, Wesley C., *et al.*, trustees. (See Ferris, William W., assignor.)
Martin, William D., San Francisco, Cal. Repair-tool for pneumatic tires. No. 1,257,908; Feb. 26; v. 247; p. 929.
Martin, William D., and H. Schrik, Chicago, Ill. Latching mechanism. No. 1,258,132; Mar. 5; v. 248; p. 53.
Martin, William E. (See Knowles and Martin.)
Martin, William E., Stamford, England. Means for steering and controlling motor-tractors, motor-plows, and the like. No. 1,277,740; Sept. 3; v. 254; p. 114.
Martin, William H., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling-circuit. No. 1,254,146; Jan. 22; v. 246; p. 867.
Martin, William H., assignor of one-half to S. E. Belknapp, Veterans Home, Cal. Revolving suspension-rack. No. 1,261,837; Apr. 9; v. 249; p. 272.
Martin, William S., Willimantic, assignor to The Martin Studios, Hartford, Conn. Toy theater. No. 1,281,623; Oct. 15; v. 255; p. 471.
Martin, William W., Pittsburgh, Pa. Smoke-purifier. No. 1,269,724; June 18; v. 251; p. 513.
Martindale, Wallace A., Charleston, S. C. Poison-container. No. 1,254,616; Jan. 22; v. 246; p. 1001.
Martineau, Clarence R. (See Martineau, William C. and C. R.)
Martineau, William C. and C. R., Albany, N. Y. Tire. No. 1,255,903; Feb. 12; v. 247; p. 269.
Martinelli, Guido P., New York, N. Y. Needle-threader. No. 1,277,741; Sept. 3; v. 254; p. 114.
Martinet, Henry E., Paris, France. Reinforced-concrete floor. No. 1,285,298; Nov. 19; v. 256; p. 546.
Martinetto, Vittorio, Turin, Italy. Electrical distributing system. No. 1,279,392; Sept. 17; v. 254; p. 612.
Martinez, Norberto, Cotulla, Tex. Transmission mechanism. No. 1,266,971; May 21; v. 250; p. 640.
Martinez, Victorino, Habana, Cuba. Incandescent electric lamp. No. 1,283,848; Nov. 5; v. 256; p. 108.
Martinez, Ygnacio. (See Navarrete and Martinez.)
Martini & Hüneke Maschinenbau - Aktien - Gesellschaft. (See Hurlbrink, Ernst, assignor.)
Martino, Natale, New York, N. Y. Neck-protector. No. 1,274,067; July 30; v. 252; p. 1044.
Martinsen, Christian, Seattle, Wash. Electric iron. No. 1,277,453; Sept. 3; v. 254; p. 34.
Martinson, Fred, Chinook, Mont. Seeder. No. 1,253,621; Jan. 15; v. 246; p. 697.
Martner, Samuel C. (See Briggs, John F., assignor.)
Martocci-Pisculli, Leon, New York, N. Y. Formaldehyde thermometer-holder. No. 1,253,857; Jan. 15; v. 246; p. 765.
Martoccio, Sebastiano, New York, N. Y. Gas-burner. No. 1,261,418; Apr. 2; v. 249; p. 121.
Marton, Lebovics, Terre Haute, Ind. Rendering-tank. No. 1,288,638; Dec. 24; v. 257; p. 698.
Marty, Antone, *et al.* (See Smith, Ulysses S., assignor.)
Marty, Joseph J., Boston, Mass. Power-driven mechanism. No. 1,261,419; Apr. 2; v. 249; p. 121.
Martyn, Frederick W. (See Landon and Martyn.)
Martyna, Joseph, Oil City, Pa. Parachute. No. 1,277,980; Sept. 3; v. 254; p. 178.
Martz, David D., Perkins, Okla. Gate-latch. No. 1,255,545; Feb. 5; v. 247; p. 125.
Martz, Henry F., Liberty Park, Md. Magnetic gear-shifter. No. 1,286,700; Dec. 3; v. 257; p. 125.
Maruska, Vencil, Jr., Red Cloud, Nebr. Wall-paper hanger. No. 1,286,047; Nov. 26; v. 256; p. 774.
Marvel Accessories Manufacturing Company, The. (See Rose, Samuel I., assignor.)
Marvel Machinery Company. (See De Forest, Edgar A., assignor.)
Marvin, Frederick B., New York, N. Y. Traction-machine. No. 1,251,553; Jan. 1; v. 246; p. 32.
Marvin, Frederick B., New York, N. Y. Tree-surgery implement. No. 1,251,554; Jan. 1; v. 246; p. 32.
Marvin, Garret D., Findlay, Ohio. Gas-engine valve. No. 1,261,420; Apr. 2; v. 249; p. 122.
Marvin, Zebina E., *et al.* (See Jones, Levander D., assignor.)
Marx, August F., *et al.* (See Kurowski, Alfred G. F., assignor.)
Marx, Emil A., W. H. Lutes, H. G. Sweet, and F. L. Hand, Royal Center, Ind. Spirit-level. No. 1,260,229; Mar. 19; v. 248; p. 725.
Marx, Emerich, Wetonka, S. D. Corset for soldiers. No. 1,282,098; Oct. 22; v. 255; p. 639.
Marx, Gustave C. (See Zabriskie and Marx.)
Marx, Henry, *et al.* (See Kurowski, Alfred G. F., assignor.)
Marx, Henry C., Chicago, Ill. Combined metallophone and zither. No. 1,272,832; July 16; v. 252; p. 645.
Marx & Haase Clothing Co. (See Weinberger, Benjamin, assignor.)
Marx, Henry C., Chicago, Ill. Musical instrument of the xylophone type. No. 1,285,299; Nov. 19; v. 256; p. 546.
Marx, Joseph J. (See Brunk, Oscar E. W., assignor.)
Marx, Robert J. (See Jones and Marx.)
Marx, Roland G., Palo Alto, Cal. Shock-absorber. No. 1,259,892; Mar. 19; v. 248; p. 630.
Marx, Sidney S., San Diego, Cal. Camping-trailer. No. 1,276,388; Aug. 20; v. 253; p. 629.
Maryland Metal Cross Tie Co. (See Brown, Augustus F., assignor.)
Marzahl, Catherine, assignor to Bastian Brothers Co., Rochester, N. Y. Display-card. No. 1,284,407; Nov. 12; v. 256; p. 284.
Marzlof, James. (See Olson, John O., assignor.)
Mascellino, Adolph F., North Bergen, N. J. Clothes-pin. No. 1,275,582; Aug. 13; v. 253; p. 372.
Maschinenfabrik Augsburg-Nürnberg A. G. (See Jagschitz, Konrad, assignor.)
Maschinenfabrik Gustav Eirich. (See Eirich, Ludwig and J., assignors.)
Maschek, Louis, Kansas City, Mo. Cotton tag and recorder. No. 1,255,904; Feb. 12; v. 247; p. 269.
Mascord, George W., Barnes, London, England. Inking apparatus of printing-presses. No. 1,254,338; Jan. 22; v. 246; p. 921.
Masillan, William, Raymond, Wash. Power-hammer. No. 1,263,267; Apr. 16; v. 249; p. 699.
Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Producing pyroxylin coated fabrics. No. 1,267,785; May 28; v. 250; p. 893.
Mason, Archibald O., Detroit, Mich. Automatic sounding device. No. 1,255,034; Jan. 29; v. 246; p. 1152.
Mason, Arthur C., and A. T. Sturdt, Flint, Mich., assignors to Chevrolet Motor Company, New York, N. Y. Piston. No. 1,275,064; Aug. 6; v. 253; p. 205.
Mason, Arthur C., and A. T. Sturt, Flint, Mich., assignors to Chevrolet Motor Company, New York, N. Y. Automobile-engine. No. 1,276,389; Aug. 20; v. 253; p. 629.
Mason, Arthur C., and A. T. Sturt, Flint, Mich., assignors to Chevrolet Motor Company, New York, N. Y. Support for motor-vehicle power plants. No. 1,285,767; Nov. 26; v. 256; p. 704.
Mason, Arthur J., Chicago, Ill. Treating freshly-cut crops. No. 1,264,955; May 7; v. 250; p. 23.
Mason, Carl T., East Orange, assignor to Splitdorf Electrical Company, Newark, N. J. Ignition system for internal-combustion engines. No. 1,260,985; Mar. 26; v. 248; p. 976.
Mason, Cassity E., Tarrytown, N. Y. Auxiliary freight-carrier. No. 1,286,048; Nov. 26; v. 256; p. 774.
Mason, Charles C., Perth Amboy, N. J. Safety device. No. 1,267,682; May 28; v. 250; p. 864.
Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition-dynamo. No. 1,252,601; Jan. 8; v. 246; p. 370.
Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Distributer for ignition devices. No. 1,261,048; Apr. 2; v. 249; p. 17.
Mason, Daniel S., Stickley, Mont. Antislipping steel tire. No. 1,255,767; Feb. 5; v. 247; p. 189.
Mason, Edward A., and H. V. Hayes, St. John, New Brunswick, Canada. Display and dispensing cabinet. No. 1,258,801; Mar. 12; v. 248; p. 286.
Mason, Francis C. (See Shanahan and Mason.)
Mason, Francis C., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Vacuum-cleaner. No. 1,268,988; June 11; v. 251; p. 277.
Mason, Frederick A., Providence, R. I. Condiment-container. No. 1,265,935; May 14; v. 250; p. 323.
Mason, George W. (See Johnson and Mason.)
Mason, Henry A., Lawndale, Ill. Feeding device for hay-baling presses. No. 1,257,510; Feb. 26; v. 247; p. 813.
Mason, Howard, Amsterdam, N. Y. Furnace-grate. No. 1,283,849; Nov. 5; v. 256; p. 108.
Mason, John H., Heavener, Okla. Fuel-vaporizing device for internal-combustion engines. No. 1,257,089; Feb. 19; v. 247; p. 654.
Mason, Joseph H., Prince Rupert, British Columbia, Canada. Apparatus for evaporating milk. No. 1,254,423; Jan. 22; v. 246; p. 946.
Mason, Joseph M. (See Hills and Mason.)
Mason, Lennox S., Philadelphia, Pa., assignor to The Barrett Company. Method and apparatus for treating coated roofing materials. No. 1,289,507; Dec. 31; v. 257; p. 935.
Mason, Lenox S., Birmingham, Ala. Tank-level recorder. No. 1,251,679; Jan. 1; v. 246; p. 71.
Mason Machine Works. (See Sylvander, Charles R., assignor.)
Mason, Merle M., Cleveland, Ohio. Electromagnetic switch. No. 1,260,230; Mar. 19; v. 248; p. 725.
Mason, Percy J., Bungay, England. Lubricating device. No. 1,282,900; Oct. 29; v. 255; p. 887.
Mason Regulator Company. (See Melcher, George S., assignor.)
Mason, Thomas F. (See Way and Mason.)
Mason, Volney W., Jr., Kingston, N. Y. Snow-plow. No. 1,276,672; Aug. 20; v. 253; p. 706.

Mason, William S., Mayfield, N. Y. Electric-lighting system. No. 1,273,258; July 23; v. 252; p. 786.
Massa, Anton K., assignor of one-half to S. Dubrowin, New York, N. Y. Safety-pin. No. 1,262,537; Apr. 9; v. 249; p. 465.
Massey, Alfred N., San Francisco, Cal. Rotary valve for internal-combustion engines. No. 1,276,242; Aug. 20; v. 253; p. 587.
Massey, Cyril, Bridgeton, N. J. Stalk-cart. No. 1,262,538; Apr. 9; v. 249; p. 465.
Massey, Edward T., New York, N. Y. Embossed article and making the same. No. 1,282,612; Oct. 22; v. 255; p. 779.
Massey, Emmett, Proctor, Ark. Sawmill set-works. No. 1,272,289; July 9; v. 252; p. 464.
Massey, George, Beecroft, New South Wales, Australia. Hydraulic elevator. No. 1,276,390; Aug. 20; v. 253; p. 629.
Massey-Harris Company. (See Jones, Lyman M., assignor.)
Massey-Harris Company. (See McLeod, Charles, assignor.)
Massey-Harris Company. (See Rieske, Otto G., assignor.)
Massey, Rantsler M. (See Barnette and Massey.)
Masson, Charles, assignor to G. M. Gest, Montreal, Quebec, Canada. Cable-hanger. No. 1,260,695; Mar. 26; v. 248; p. 897.
Masson, Henry N., New York, N. Y. Window-screen. No. 1,252,286; Jan. 1; v. 246; p. 245.
Massuere, Mark H., Cheyenne, Wyo. Fluid transmission. No. 1,270,643; June 25; v. 251; p. 789.
Mastenbrook, Jacob, Big Rapids, Mich. Lamp-chimney guard. No. 1,276,553; Aug. 20; v. 253; p. 674.
Master, Edward, Neosho, Saskatchewan, Canada. Sand-point for well-drilling. No. 1,288,100; Dec. 17; v. 257; p. 541.
Master Equipment Company. (See Evans, Cullen C., assignor.)
Master, James W., Los Angeles, Cal. Automatic swivel-lamp. No. 1,260,696; Mar. 26; v. 248; p. 898.
Master Roll Music Duplicating Co. (See Myers, Edgar W., assignor.)
Masterman, Harry M., assignor of one-half to F. Matz, Grand Rapids, Mich. Dish-washing machine. No. 1,259,653; Mar. 19; v. 248; p. 560.
Masteroll Perforating Machine Company. (See Myers, Edgar W., assignor.)
Masters, Arthur R., Beatrice, Nebr. Bed-spring. No. 1,253,858; Jan. 15; v. 246; p. 765.
Masterson, Harry C., Cle Elum, Wash. Rake. No. 1,252,134; Jan. 1; v. 246; p. 203.
Masterson, James H., College Point, N. Y., assignor to Frederick Osann Company. Work-holder for sewing-machines. No. 1,288,101; Dec. 17; v. 257; p. 541.
Masterson, James H., College Point, N. Y., assignor to Frederick Osann Company. Attached fastening element. No. 1,288,102; Dec. 17; v. 257; p. 541.
Mastick, Edwin A., Cleveland, Ohio. Roofing. No. 1,265,226; May 7; v. 250; p. 97.
Mastrangel, Louis, West Hoboken, assignor to Hartford Suspension Company, Jersey City, N. J. Ratchet-and-pawl actuating mechanism. No. 1,268,989; June 11; v. 251; p. 278.
Mastrangelo, Frank, Fitchburg, Mass. Envelop-opener. No. 1,281,046; Oct. 8; v. 255; p. 282.
Masuda, Kikujiro. (See Taira and Masuda.)
Masuda, Taichiro, Marysville, Cal. Bean-harvester. No. 1,257,269; Feb. 19; v. 247; p. 707.
Masunian, James G., Brooklyn, N. Y. Toy. No. 1,268,036; May 28; v. 250; p. 964.
Masumian, James G., Brooklyn, N. Y. Window-frame construction. No. 1,284,123; Nov. 5; v. 256; p. 182.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Support for motor transmission-casings. No. 1,266,537; May 14; v. 250; p. 488.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Radiator for automobiles. No. 1,271,191; July 2; v. 252; p. 124.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Sheet-metal internal-combustion engine. No. 1,287,386; Dec. 10; v. 257; p. 332.
Masury, Alfred F., and A. G. Herreshoff, assignors to International Motor Company, New York, N. Y. Brake. No. 1,282,901; Oct. 29; v. 255; p. 887.
Matear, Huon A., Liverpool, England. Internal spring heel-seat. No. 1,272,490; July 16; v. 252; p. 547.
Mateer, Jesse E., Wilkinsburg, and H. G. MacDonald, Murraysville, Pa., assignors to Westinghouse Electric and Manufacturing Company. Condenser-type bushing. No. 1,264,113; Apr. 23; v. 249; p. 952.
Materna, Joe, St. Cloud, Minn. Bottle-capping machine. No. 1,268,864; June 11; v. 251; p. 244.
Matheny, James R., Sumrall, Miss. Railway concrete cross-tie. No. 1,263,915; Apr. 23; v. 249; p. 899.
Mather, George E., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-receiver. No. 1,279,894; Sept. 24; v. 254; p. 778.
Mather, Carl N. (See Ainsworth, William A., assignor.)
Mather, George E., East Orange, N. J., and B. Bailey, assignors to Western Electric Company, Incorporated, New York, N. Y. Transmitter-support. No. 1,272,692; July 16; v. 252; p. 605.
Mather & Platt Limited. (See Taylor, James, assignor.)
Mather, Luther T., Springfield, Mass. Making brushes. No. 1,259,031; Mar. 12; v. 248; p. 354.
Mathers, Herbert L., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Oil-switch for high-tension electric currents. No. 1,277,981; Sept. 3; v. 254; p. 178.
Mathes, John, Marion, Iowa. Rotary engine. No. 1,268,782; June 4; v. 251; p. 202.
Matheson, Robert, assignor of one-fourth to L. F. Allen and one-fourth to W. Allen, Los Angeles, Cal. Vegetable-harvester. No. 1,256,713; Feb. 19; v. 247; p. 544.
Mathews, Charles E. (See Harlow and Mathews.)
Mathews, Thomas, Leicester, England. Toy, kindergarten appliance, &c. No. 1,273,643; July 23; v. 252; p. 890.
Mathews Gravity Carrier Company. (See Jenkins, Harry L., assignor.)
Mathews, Lewis C., Malad City, Idaho. Fountain-comb. No. 1,263,693; Apr. 23; v. 249; p. 838.
Mathias, Bert M., Minneapolis, Minn. Wire-rope clamp. No. 1,261,582; Apr. 2; v. 249; p. 168.
Mathias, Berton M., Minneapolis, Minn. Rod-splicing clamp. No. 1,252,711; Jan. 8; v. 246; p. 401.
Mathias, Berton M., Minneapolis, Minn. Freight-car-floor construction. No. 1,254,920; Jan. 29; v. 246; p. 1122.
Mathias, Berton M., Minneapolis, Minn. Rod-clamps. No. 1,260,566; Mar. 26; v. 248; p. 859.
Mathias, Berton M., Minneapolis, Minn. Rod-clamp. No. 1,260,567; Mar. 26; p. 248; p. 859.
Mathias, Berton M., Minneapolis, Minn. Guy-strand clamp. No. 1,275,283; Aug. 13; v. 253; p. 290.
Mathias, Berton M., Minneapolis, Minn. Turnbuckle-lock. No. 1,286,701; Dec. 3; v. 257; p. 125.
Mathias, Berton M., Minneapolis, Minn. Rod-clamp. No. 1,286,702; Dec. 3; v. 257; p. 125.
Mathias, Frank J., Fremont, Ohio. Spark-plug. No. 1,253,072; Jan. 8; v. 246; p. 508.
Mathias, Thaddeus B., Denver, Colo. Tire-tool. No. 1,271,919; July 9; v. 252; p. 358.
Mathias, Thomas H., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Eliminating pipes and segregated metal from ingots. No. 1,286,379; Dec. 3; v. 257; p. 48.
Mathison, Albert O., New Britain, Conn. Work-holding combination. No. 1,281,624; Oct. 15; v. 255; p. 472.
Mathison, Andrew A., Vontress, Tex. Cigar-holder. No. 1,280,265; Oct. 1; v. 255; p. 42.
Mathys, Albert W., Catford, London, England. Apparatus for cooling and otherwise treating gases with liquids. No. 1,275,583; Aug. 13; v. 253; p. 372.
Mathys, George A. (See Hawes, Mathys, and Crawhall.)
Matlick Tellurian Co., The. (See Hard, Merrill W., assignor.)
Matson, Alexander. (See Rinta and Matson.)
Matson, Frederick, Dalbo, Minn. Auto-jack. No. 1,264,417; Apr. 30; v. 249; p. 1071.
Matson, Charles M. (See Matson, Martin M. and C. M.)
Matson, Martin M. and C. M., Mabscott, W. Va. Motor. No. 1,273,079; July 16; v. 252; p. 713.
Matson, Willis A. (See Williams, Theodore D., assignor.)
Matsui, Fuzio, New York, N. Y. Finder for cameras. No. 1,281,047; Oct. 8; v. 255; p. 283.
Matsuzaka, Magataro, Sacramento, Cal. Fruit-picker. No. 1,264,835; Apr. 30; v. 249; p. 1185.
Mattatuck Manufacturing Company, The. (See Peck, Charles W., assignor.)
Matte, Andrew L., Detroit, Mich. Pipe-coupling. No. 1,277,982; Sept. 3; v. 254; p. 178.
Matter, Oskar, Troisdorf, assignor, by mesne assignments, to The Vereinigte Koln-Rottweiler Pulverfabriken, Berlin, Germany. Initial igniter. No. 1,254,147; Jan. 22; v. 246; p. 867.
Mattern, George A., Berkeley, Cal. Bathing-suit. No. 1,281,625; Oct. 15; v. 255; p. 472.
Mattern, George W., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Attaching handle-shafts to golf-clubs or like articles. No. 1,266,529; May 14; v. 250; p. 485.
Matteson, Charles E., and C. W. Bailey, Maud, Okla. Dirigible headlight. No. 1,254,053; Jan. 22; v. 246; p. 839.
Matteson, George F., Ridley Park, Pa., assignor to The Veeder Manufacturing Company, Hartford, Conn. Counter for moving objects. No. 1,273,897; July 30; v. 252; p. 996.
Matthes, Walter F., Austin, Tex. Sifting-machine. No. 1,270,185; June 18; v. 251; p. 637.
Matthewman, Winfred, Ingleton, England. Eye for dolls or toys. No. 1,281,186; Oct. 8; v. 255; p. 322.
Matthews, Archie D., Calico Rock, Ark. Soot-remover. No. 1,267,328; May 21; v. 250; p. 738.
Matthews, Carey T., Kennebec, N. C. Combined burglar or fire alarm. No. 1,265,472; May 7; v. 250; p. 164.
Matthews, Charles D., assignor of one-eighth to H. R. Pedane and one-eighth to B. F. Feitel, New Orleans, La. Solution for rust-proofing and nut-locking. No. 1,289,855; Dec. 31; v. 257; p. 1020.
Matthews, Charles W., Cowes, Isle-of-Wight, England. Cleaner for boiler-tubes and the like. No. 1,283,850; Nov. 5; v. 256; p. 109.

Matthews, Claude L., and W. A. Heinrich, assignors to W. N. Matthews and Brother, Inc., St. Louis, Mo. Safety fuse-switch. No. 1,288,951; Dec. 24; v. 257; p. 773.
Matthews, Clintie A., administratrix. (See Matthews, Luther.)
Matthews, Edward, assignor of one-half to L. E. Lemen, Denver, Colo. Vehicle-spring. No. 1,281,187; Oct. 8; v. 255; p. 322.
Matthews, Emil J. (See Helwig and Matthews.)
Matthews, Howard D., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,269,481; June 11; v. 251; p. 413.
Matthews, James F., Fall River, assignor to American Warp Drawing Machine Company, Boston, Mass. Loom-harness. No. 1,255,200; Feb. 5; v. 247; p. 25.
Matthews, Joseph, Plymouth, Pa. Safety mine-cage device. No. 1,268,260; June 4; v. 251; p. 53.
Matthews, Luther, deceased, C. A. Matthews, administratrix, Paris, Tenn. Road-grader. No. 1,277,623; Sept. 3; v. 254; p. 81.
Matthews, Robert E., Montreal, Quebec, Canada. Scarecrow. No. 1,286,380; Dec. 3; v. 257; p. 48.
Matthews, Theophilus, Fleur-de-Lis, Wales. Spring-frame for motor-cycles. No. 1,261,838; Apr. 9; v. 249; p. 272.
Matthews, William. (See Geoghegan, Edward A., assignor.)
Matthies, William H., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Indicating system. No. 1,254,254; Jan. 22; v. 246; p. 897.
Mattison, Charley E., De Ridder, La. Rail-moistener. No. 1,277,236; Aug. 27; v. 253; p. 893.
Mattison, Emil, Marinette, assignor of one-half to C. Hollander, Amberg, Wis. Scrubbing-stool. No. 1,280,059; Sept. 24; v. 254; p. 823.
Mattison, Sigurd O., Eau Claire, Wis. Permutation electric switch. No. 1,256,814; Feb. 19; v. 247; p. 573.
Mattingly, Romanus J., Zurich, Kans. Computing-machine. No. 1,270,644; June 25; v. 251; p. 789.
Mattman, Emil, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Retaining means. No. 1,272,693; July 16; v. 252; p. 606.
Mattoon, Elbert G., Independence, Colo. Gradometer. No. 1,257,090; Feb. 19; v. 247; p. 654.
Mattos, John V., Taunton, Mass. Shoe. No. 1,257,091; Feb. 19; v. 247; p. 655.
Mattson, Erik, Brooklyn, N. Y. Torpedo-guard for ships. No. 1,256,346; Feb. 12; v. 247; p. 401.
Mattson, Evald M., Inman, Kans. Rotary valve mechanism for engines. No. 1,271,344; July 2; v. 252; p. 166.
Mattson, Ludvig, Evanston, Ill. Safety service-holder. No. 1,267,098; May 21; v. 250; p. 675.
Matula, Joseph R., Moulton, Tex. Tool for unscrewing pipe-joints from wells. No. 1,277,624; Sept. 3; v. 254; p. 81.
Matulaitis, Jonas, Scranton, Pa. Railway-crossing. No. 1,275,584; Aug. 13; v. 253; p. 372.
Matty, Leo J., *et al.* (See Doring, Max B. A., assignor.)
Matz, Frank. (See Masterman, Harry M., assignor.)
Matz, Frederick W., Valley City, N. D. Lever mechanism for vehicle-brakes. No. 1,271,595; July 9; v. 252; p. 269.
Mauch, Wilhelm, Jr., Zeeland, N. D. Grain-treating machine. No. 1,274,180; July 30; v. 252; p. 1076.
Mauck, John A., Princeton, Ind. Carbureter. No. 1,288,639; Dec. 24; v. 257; p. 698.
Mauck, John A., Princeton, Ind. Carbureting device. No. 1,288,640; Dec. 24; v. 257; p. 698.
Maudslay, Reginald W., Coventry, England. Lubrication of laminated springs. No. 1,272,290; July 9; v. 252; p. 464.
Mauer, George, *et al.* (See Hironimus, Fred W., assignor.)
Mauke, Ernst A., Lancaster, Pa. Measuring instrument. No. 1,266,972; May 21; v. 250; p. 640.
Maugans, John C. (See Allen and Maugans.)
Mauhart, Frank, Jr., Plainfield, N. J. Attachment for eyeglasses. No. 1,280,515; Oct. 1; v. 255; p. 112.
Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Burner. No. 1,256,243; Feb. 12; v. 247; p. 371.
Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Oven. No. 1,262,822; Apr. 16; v. 249; p. 575.
Maupin, Malcolm M., assignor to himself and H. E. Germann, Cincinnati, Ohio. Means for securing artificial teeth to dental plates or the like. No. 1,267,339; May 21; v. 250; p. 741.
Maurer, Erwin, Jamaica, N. Y. Brooder. No. 1,275,065; Aug. 6; v. 253; p. 206.
Maurer, Henry E., Jr., assignor of one-third to H. L. Ide and one-third to R. W. Ide, Springfield, Ill. Apparatus for dispensing liquids. No. 1,261,421; Apr. 2; v. 249; p. 122.
Maurer, Henry E., Jr., assignor of one-third to H. L. Ide and one-third to R. W. Ide, Springfield, Ill. Apparatus for dispensing liquids. No. 1,262,077; Apr. 9; v. 249; p. 335.
Maurer, Henry E., Jr., assignor of one-half to H. L. Ide, Springfield, Ill. Lifting-jack. No. 1,275,716; Aug. 13; v. 253; p. 409.
Maurer, Henry E., Jr., assignor of one-half to H. L. Ide, Springfield, Ill. Jack. No. 1,288,103; Dec. 17; v. 257; p. 541.
Maurer, Peter E. (See Snow and Maurer.)
Mauran, Pierre U. (See Fréret and Mauran.)
Mausen, Theodore R., New Brunswick, N. J. Tie-clamp for insulators. No. 1,277,237; Aug. 27; v. 253; p. 893.
Mautner, William, New York, N. Y. Tire-protector. No. 1,259,425; Mar. 12; v. 248; p. 464.
Mauzy, Laura, Memphis, Tenn. Belt-stiffener. No. 1,281,626; Oct. 15; v. 255; p. 472.
Maves, Theodore W., Minneapolis, Minn. Oven for burning out invested models. No. 1,279,738; Sept. 24; v. 254; p. 732.
Max Kuner Company. (See Kauffman, Paul C., assignor.)
Maxcornell, Louis D., Chicago, Ill. Unseating device for valves. No. 1,276,391; Aug. 20; v. 253; p. 630.
Maxey, Miriam A. R., Yeso, N. Mex. Head and arm rest. No. 1,260,929; Mar. 26; v. 248; p. 961.
Maxfield, George E., assignor of one-half to F. C. Wooster, Rockhampton, Queensland, Australia. Woodworking-machine. No. 1,258,924; Mar. 12; v. 248; p. 322.
Maxfield, Thomas C., New York, N. Y. Air-heater. No. 1,288,104; Dec. 17; v. 257; p. 541.
Maxim, Albert. (See Ward and Maxim.)
Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Scabbard. No. 1,276,554; Aug. 20; v. 253; p. 674.
Maxim, Hiram P., Hartford, Conn. Building-silencer. No. 1,289,856; Dec. 31; v. 257; p. 1020.
Maxim, Howard F., Locke Mills, Me. Railway-tie. No. 1,269,949; June 18; v. 251; p. 574.
Maxim Silencer Company, The. (See Maxim, Hiram P., assignor.)
Maxon Brothers Company. (See Maxon, Harry R., assignor.)
Maxon, Harry R., Muncie, Ind., assignor to Maxon Brothers Company, Chicago, Ill. Apparatus for combustion of gas. No. 1,262,078; Apr. 9; v. 249; p. 336.
Maxrite Carburetor Company. (See Gillespie, Charles H., assignor.)
Maxson, George D., West Edmeston, N. Y. Mechanical starter for internal-combustion engines. No. 1,264,951; May 7; v. 250; p. 21.
Maxson, John C., and W. O. Walker, Corning, Kans. Tool. No. 1,255,546; Feb. 5; v. 247; p. 126.
Maxted, Edward B., Walsall, England. Manufacture of pure hydrogen. No. 1,253,622; Jan. 15; v. 246; p. 697.
Maxwell, Alexander G., Springdale, assignor of one-half to J. Heidenkamp, Pittsburgh, Pa. Glass-pot-filling machine. No. 1,266,511; May 14; v. 250; p. 480.
Maxwell, Archibald, assignor to U. S. Elaterite Products Company, Salt Lake City, Utah. Apparatus for treating elaterite. No. 1,259,260; Mar. 12; v. 248; p. 416.
Maxwell, George S., assignor to A. R. Serven, trustee, Washington, D. C. Internal-combustion engine. No. 1,253,623; Jan. 15; v. 246; p. 697.
Maxwell, George S., Newark, N. J., assignor to The Taximeter Register Company, Washington, D. C. Taximeter. No. 1,271,920; July 9; v. 252; p. 359.
Maxwell, Harry B., Omaha, Nebr. Envelop. No. 1,256,582; Feb. 19; v. 247; p. 506.
Maxwell Motor Company. (See Moule, Harry R., assignor.)
Maxwell, Robert E., Savannah, Ga. Locomotive journal-box mounting. No. 1,260,425; Mar. 26; v. 248; p. 817.
Maxwell, Russell H., Trenton, N. J. Ship-protector. No. 1,278,970; Sept. 17; v. 254; p. 499.
May, Adam J. (See Fertig and May.)
May, Addison R., *et al.*, trustees. (See Phillippi, Frank A., assignor.)
May, Benjamin. (See Codos and May.)
May, David T., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. No. 1,287,725; Dec. 17; v. 257; p. 446.
May, Eli B *et al.* (See Richard, Leroy L., assignor.)
May, Emery E., Chambersburg, Pa. Grinding-mill. No. 1,261,583; Apr. 2; v. 249; p. 168.
May, George D., St. Louis, Mo. Applicator for live stock. No. 1,269,725; June 18; v. 251; p. 513.
May, Harry E., assignor of one-third to H. Hall, Sedalia, and one-third to H. K. Wagner, St. Louis, Mo. Mud-hook. No. 1,272,291; July 9; v. 252; p. 465.
May, Harry E., assignor of two-thirds to H. Hall, Sedalia, Mo. Carbureter attachment. No. 1,282,902; Oct. 29; v. 255; p. 888.
May, Henry W., Henry, Ill. End-gate fastener. No. 1,257,625; Feb. 26; v. 247; p. 847.
May, Joseph P., assignor to The Briskin Manufacturing Company, Indianapolis, Ind. Radiator. No. 1,256,919; Feb. 19; v. 247; p. 605.
May, Joseph P., assignor to The Briskin Manufacturing Company, Indianapolis, Ind. Radiator. No. 1,256,920; Feb. 19; v. 247; p. 605.
May, M. M., *et al.* (See Deweese, Thomas G., assignor.)
May, R. E., *et al.* (See Deweese, Thomas G., assignor.)
May, Valentine H. (See Goodwin, Willis N., assignor.)
Mayberry, Jesse L., New York, N. Y. Signaling apparatus. No. 1,279,393; Sept. 17; v. 254; p. 612.

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Mayer Brothers Company. (See Mayer and Bye, assignors.)
Mayer, Charles P., Elizabeth, N. J., assignor to Rotary Meter Company. Lubrication system for rotary meters. No. 1,254,054; Jan. 22; v. 246; p. 840.
Mayer, Charles W., Rochester, N. Y. Coating-machine. No. 1,283,851; Nov. 5; v. 256; p. 109.
Mayer, Charles W., Rochester, N. Y. Coating-machine. No. 1,288,641; Dec. 24; v. 257; p. 698.
Mayer, Charles W., Rochester, N. Y. Saturating-machine. No. 1,288,642; Dec. 24; v. 257; p. 699.
Mayer, Charles W., Rochester, N. Y. Stretching device for web-carrying rolls. No. 1,288,643; Dec. 24; v. 257; p. 699.
Mayer, Edward R., assignor of one-half to J. C. Storm, Amarillo, Tex. Oil-burner. No. 1,276,243; Aug. 20; v. 253; p. 587.
Mayer, George. (See Smith, Mayer, and Vergan.)
Mayer, George, *et al.* (See Lohse, Wilhelm R., assignor.)
Mayer, George W. (See Anderson, Tom M., Jr., assignor.)
Mayer, John, Hamilton, Ontario, Canada. Lineman's ring-pliers. No. 1,266,136; May 14; v. 250; p. 379.
Mayer, John L., Chicago, Ill. Agitating or stirring device for boiling liquids. No. 1,275,284; Aug. 13; v. 253; p. 290.
Mayer, Lorenz L. (See Mayer and Bye.)
Mayer, Louis, and E. A. Bye, assignors to Mayer Brothers Company, Mankato, Minn. Tractor. No. 1,252,356; Jan. 1; v. 246; p. 263.
Mayer, Louis, and E. A. Bye, assignors to Mayer Brothers Company, Mankato, Minn. Steering mechanism for tractors. No. 1,261,584; Apr. 2; v. 249; p. 168.
Mayer, Louis and E. A. Bye, assignors to Mayer Brothers Company, Mankato, Minn. Gearing for tractors. No. 1,268,783; June 4; v. 251; p. 202.
Mayer, Louis and L. L., and E. A. Bye, assignors to Mayer Brothers Company, Mankato, Minn. Axle-mount for tractors. No. 1,253,073; Jan. 8; v. 246; p. 508.
Mayer, Louis and L. L., and E. A. Bye, assignors to Mayer Brothers Company, Mankato, Minn. Tractor. No. 1,288,105; Dec. 17; v. 257; p. 542.
Mayer, Louis and L. L., and E. A. Bye, assignors to Mayer Brothers Company, Mankato, Minn. Tractor. No. 1,288,952; Dec. 24; v. 257; p. 773.
Mayer, Max. (See Wohl and Mayer.)
Mayer, Matthew. (See Frey and Mayer.)
Mayer, Walter S. (See Downes and Mayer.)
Mayer, Walter S., assignor to Electric Service Supplies Company, Philadelphia, Pa. Insulator-support. No. 1,271,596; July 9; v. 252; p. 269.
Mayer, Walter S., assignor to Electric Service Supplies Company, Philadelphia, Pa. Light-focusing mechanism. No. 1,276,791; Aug. 27; v. 253; p. 775.
Mayer, William G., Pittsburgh, Pa. Truck. No. 1,278,971; Sept. 17; v. 254; p. 499.
Mayfield, Edwin W., deceased, Chicago, Ill., G. Mayfield, administrator. Telegraphic receiver. No. 1,266,841; May 21; v. 250; p. 603.
Mayfield, Goudy, administrator. (See Mayfield, Edwin W.)
Mayhew, Frank J. (See Taylor, Horace H., assignor.)
Mayhew, James N., assignor to J. N. Mayhew Company, Minneapolis, Minn. Top-tree for shoes. No. 1,258,133; Mar. 5; v. 248; p. 54.
Mayhew, James N., assignor to James N. Mayhew Company, Inc., Minneapolis, Minn. Top-tree for shoes. No. 1,266,512; May 14; v. 250; p. 480.
Mayhew, Valier. (See Gates and Mayhew.)
Mayland, Richard C. (See Morgan and Mayland.)
Mayle, Louis A., Fremont, Ohio. Die-clearing device. No. 1,283,250; Oct. 29; v. 255; p. 981.
Maynard, Agnes G., Chicago, Ill. Braid-applying attachment. No. 1,286,703; Dec. 3; v. 257; p. 125.
Maynard, Albert, Suncook, N. H. Tensioning device for spooling-machines. No. 1,283,251; Oct. 29; v. 255; p. 982.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Augusta, Me. Wire-stitching machine. No. 1,252,011; Jan. 1; v. 246; p. 167.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Augusta, Me. Differential motion for wire-stitchers or like machines. No. 1,255,201; Feb. 5; v. 247; p. 26.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Friction-clutch. No. 1,255,547; Feb. 5; v. 247; p. 126.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Work-guide for wire-stitching machines. No. 1,272,694; July 16; v. 252; p. 606.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Automatic feeding mechanism for wire-stitchers and like machines. No. 1,275,960; Aug. 13; v. 253; p. 477.
Maynard, Joseph S., Philadelphia, Pa. Machine for applying roofing material. No. 1,289,857; Dec. 31; v. 257; p. 1021.
Maynard, Nicholas, Sabetha, Kans. Snap binding-post. No. 1,275,961; Aug. 13; v. 253; p. 477.
Mayne, David F., Wilmington, Del. Preparing goods for finishing. No. 1,281,048; Oct. 8; v. 255; p. 283.
Mayne, Leander M., Winder, Ga. Package-tie. No. 1,280,060; Sept. 24; v. 254; p. 823.
Maynes, Hyla F., Gaines, Pa. Mechanical-inscription camera. No. 1,274,179; July 30; v. 252; p. 1075.
Maynes, Hyla F., Gaines, Pa. Mechanical-inscription camera. No. 1,274,302; July 30; v. 252; p. 1109.
Mayo, Benjamin F., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Last-pulling machine. No. 1,274,738; Aug. 6; v. 253; p. 113.
Mayo, Benjamin F., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Last-pulling machine. No. 1,288,436; Dec. 17; v. 257; p. 619.
Mayo, William L., Bremerton, Wash. Combination tooth-brush and powder-box. No. 1,261,585; Apr. 2; v. 249; p. 168.
Maytag Company, The. (See Snyder, Howard F., assignor.)
Mavrakis, Petros G., Cleveland, Ohio. Portable commode. No. 1,254,255; Jan. 22; v. 246; p. 897.
Mazade, Maurice A., Paris, France. Joint for fixing elastic tubes upon metal pipes. No. 1,271,597; July 9; v. 252; p. 269.
Maze, Harry T., Anderson, Ind. Combined hair brush and comb. No. 1,272,982; July 16; v. 252; p. 687.
Mazer, Joseph, McAlester, Okla. Winding-indicator. No. 1,256,714; Feb. 19; v. 247; p. 544.
Mazer, Joseph, McAlester, Okla. Winding-indicator. No. 1,256,715; Feb. 19; v. 247; p. 544.
Mazer, Joseph, McAlester, Okla. Winding-indicator. No. 1,265,802; May 14; v. 250; p. 284.
Mazewicz, Konstanty I., Chicago, Ill. Dynometer. No. 1,288,953; Dec. 24; v. 257; p. 774.
Maziarz, Peter, Pawtucket, R. I. Wire-cutting weapon. No. 1,282,903; Oct. 29; v. 255; p. 888.
Mazier, Teofilo E., Guanaja, Honduras. Planking-clamp. No. 1,284,124; Nov. 5; v. 256; p. 182.
Mazon, Albert, and A. Calles, Santa Fe, N. Mex. Hand-bag lock. No. 1,279,394; Sept. 17; v. 254; p. 613.
Mazur, Samuel. (See Eberhart and Mazur.)
Mazzuca, Louis, Trenton, N. J. Cooking-vessel cover. No. 1,288,644; Dec. 24; v. 257; p. 699.
Mazzucchelli, Celestino, Como, Italy. Method for winding silk on spools and machine for carrying out this method. No. 1,267,099; May 21; v. 250; p. 676.
McAchran, Flora J., Bloomfield, Iowa. Hatchway-guard. No. 1,255,621; Feb. 5; v. 247; p. 146.
McAdam, Charles, Chicago, Ill., assignor to Chadeloid Chemical Company, New York, N. Y. Composition for removing paint and varnish. No. 1,274,430; Aug. 6; v. 253; p. 25.
McAdam, John V., Hastings-upon-Hudson, and C. J. Everett, assignors to Revolute Machine Company, New York, N. Y. Photographic-printing machine. No. 1,288,077; Dec. 17; v. 257; p. 534.
McAdam, Samuel G., Aledo, Ill. Composition for preventing concrete from adhering to molds. No. 1,256,710; Feb. 19; v. 247; p. 543.
McAdams, Joseph V., Tablerock, Wyo. Flash-candle. No. 1,268,589; June 4; v. 251; p. 147.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Purifying paraffin. No. 1,277,092; Aug. 27; v. 253; p. 855.
McAfee, Almer M., New York, N. Y., assignor to Gulf Refining Company, Pittsburgh, Pa. Saturating oils. No. 1,277,328; Aug. 27; v. 253; p. 916.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company. Purifying oils. No. 1,277,329; Aug. 27; v. 253; p. 917.
McAlexander, Talbert. (See Haas and McAlexander.)
McAlister, L. K. (See Hall, William P., assignor.)
McAlister, Albert W., Milan, Tenn. Metal fence-post. No. 1,267,568; May 28; v. 250; p. 832.
McAllaster, George R., Rochester, N. Y. Means and method of marking photographic films. No. 1,260,415; Mar. 26; v. 248; p. 814.
McAllister, Albert, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Ventilator. No. 1,285,275; Nov. 19; v. 256; p. 539.
McAlpine, Edward M. C., New York, assignor to McAlpine Milking Machine Company, Chateaugay, N. Y. Measuring and indicating device. No. 1,276,782; Aug. 27; v. 253; p. 773.
McAlpine Milking Machine Company. (See McAlpine, Edward M. C., assignor.)
McAneny, Michael, assignor of one-half to G. H. Ten Broek, St. Louis, Mo. Cigar-lighter. No. 1,263,579; Apr. 23; v. 249; p. 807.
McArdle, Cornelius S., Dothan, Ala. Peanut-clipper. No. 1,285,276; Nov. 19; v. 256; p. 540.
McArdle, Edward J., Chicago, Ill. Radiator-valve. No. 1,262,684; Apr. 16; v. 249; p. 535.
McArdle, John, Spokane, Wash. Level. No. 1,282,095; Oct. 22; v. 255; p. 638.
McArdle, Robert B. (See McArdle, William H. and R. B.)
McArdle, William H. and R. B., Camden, N. J. Practice apparatus for boxers. No. 1,267,678; May 28; v. 250; p. 863.

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McArthur, Andrew J., Atlanta, Ga., assignor to Union Fibre Company, Winona, Minn. Refrigerator. No. 1,285,277; Nov. 19; v. 256; p. 540.
McArthur, Charles D., Pittsburgh, Pa., assignor to Blaw Steel Construction Company. Hopper and spout construction. No. 1,259,421; Mar. 12; v. 248; p. 463.
McArthur, Leslie, Kenilworth, assignor to Stewart Phonograph Corporation, Chicago, Ill. Phonograph. No. 1,259,645; Mar. 19; v. 248; p. 557.
McArthur, William, Tenino, Wash. Plastic composition. No. 1,274,726; Aug. 6; v. 253; p. 111.
McAtee, William A., *et al.* (See Norman, Frank, assignor.)
McAtee, William A., *et al.* (See Thompson, George W., assignor.)
McAuliffe, J. E., *et al.* (See Forsyth, Joseph C., assignor.)
McBean, Duncan D., New York, N. Y. Tunnel construction. No. 1,260,416; Mar. 26; v. 248; p. 814.
McBean, Duncan D., New York, N. Y. Building foundations for subaqueous tunnels. No. 1,272,479; July 16; v. 252; p. 543.
McBean, Duncan D., New York, N. Y. Lumber-ship. No. 1,277,093; Aug. 27; v. 253; p. 855.
McBean, Peter M., San Francisco, Cal. Roofing-tile. No. 1,289,492; Dec. 31; v. 257; p. 931.
McBee Binder Company. (See Morton, William J., assignor.)
McBerty, Frank R., Antwerp, Belgium, assignor, by mesne assignments, to Western Electric Company. Semi-automatic telephone-exchange system. No. 1,284,996; Nov. 19; v. 256; p. 470.
McBerty, Frank R. and L. Polinkowsky, London, England, assignors to Western Electric Company, New York, N. Y. Special-service system for machine telephone switching-exchanges. No. 1,285,278; Nov. 19; v. 256; p. 540.
McBreen, Raymond J., Brooklyn, N. Y. Tongue-and-slot interlock. No. 1,281,612; Oct. 15; v. 255; p. 469.
McBreen, Raymond J., Brooklyn, N. Y. Tongue-and-slot coupling. No. 1,281,613; Oct. 15; v. 255; p. 469.
McBreen, Raymond J., Brooklyn, N. Y. Lockable tuck-flap envelop. No. 1,281,614; Oct. 15; v. 255; p. 469.
McBreen, Raymond J., Brooklyn, N. Y. Tongue-and-slot interlock. No. 1,281,615; Oct. 15; v. 255; p. 470.
McBreen, Raymond J., Brooklyn, N. Y. Lockable container. No. 1,281,616; Oct. 15; v. 255; p. 470.
McBreen, Raymond J., Brooklyn, N. Y. Garment-fastener. No. 1,281,617; Oct. 15; v. 255; p. 470.
McBreen, Raymond J., Brooklyn, N. Y. Garment and other fastener. No. 1,289,493; Dec. 31; v. 257; p. 932.
McBreen, Raymond J., Brooklyn, N. Y. Garment-fastener. No. 1,289,494; Dec. 31; v. 257; p. 932.
McBreen, Raymond J., Brooklyn, N. Y. Garment-fastener stud. No. 1,289,495; Dec. 31; v. 257; p. 932.
McBride, Eli J., San Francisco, Cal. Hernial truss. No. 1,263,781; Apr. 23; v. 249; p. 861.
McBride, Frederick F., Medicine Hat, Alberta, Canada. Lifting-jack. No. 1,286,041; Nov. 26; v. 256; p. 772.
McBride, Ira W., and O. H. Shade, Brooklyn, N. Y. Gasolene-indicator. No. 1,252,912; Jan. 8; v. 246; p. 457.
McBride, Jesse E., assignor to Palmer-Bee Company, Detroit, Mich. Japanning-conveyer. No. 1,277,617; Sept. 3; v. 254; p. 79.
McBride, Lillian S., administratrix. (See St. Clair, William R.)
McBride, William J., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,267,880; May 28; v. 250; p. 922.
McBride, William S., Caldwell, Ohio. Playing-cards. No. 1,272,480; July 16; v. 252; p. 543.
McBride, Wylie, Spokane, Wash. Frieze-board marker. No. 1,255,190; Feb. 5; v. 247; p. 22.
McCabe, James, Jamestown, N. D. Ball nut-lock. No. 1,286,683; Dec. 3; v. 257; p. 121.
McCabe, Joseph S., Minneapolis, Minn. Concrete-culvert mold. No. 1,275,280; Aug. 13; v. 253; p. 289.
McCabe, Junius D., Coraopolis, Pa. Plotting-board. No. 1,285,279; Nov. 19; v. 256; p. 541.
McCabe, Mary, New York, N. Y. Foldable stand for sewing-machines. No. 1,275,059; Aug. 6; v. 253; p. 204.
McCaffray, Edmund, Mount Washington, assignor to H. Cassard, Baltimore, Md. Screw-bushing for fastening boxes. No. 1,251,676; Jan. 1; v. 246; p. 71.
McCaffrey, Thomas J., assignor of one-half to G. H. Libby, Spokane, Wash., and one-sixteenth to A. E. Reed, San Francisco, Cal. Siphon-valve for flush-tanks. No. 1,258,232; Mar. 5; v. 248; p. 82.
McCahey, George F., Providence, R. I. Carrier for braiding-machines. No. 1,267,240; May 21; v. 250; p. 715.
McCaig, Duncan C., Vancouver, British Columbia, Canada. Crude-oil atomizer and air-mixer. No. 1,255,449; Feb. 5; v. 247; p. 96.
McCain, Ellsworth L., Detroit, Mich. Razor. No. 1,262,073; Apr. 9; v. 249; p. 334.
McCain, George L., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,257,371. Feb. 26; v. 247; p. 771.
McCaleb, Albert G., Chicago, Ill. Carbureter. No. 1,260,273; Mar. 19; v. 248; p. 738.
McCaleb, Robert C., Chicago, Ill. Centrifugal washing and drying machine. No. 1,253,403; Jan. 15; v. 246; p. 636.
McCaleb, Robert C., Chicago, Ill. Razor-sharpening machine. No. 1,269,831; June 18; v. 251; p. 544.
McCaleb, Walter F., Dallas, Tex. Combined adding and listing machine. No. 1,257,620; Feb. 26; v. 247; p. 845.
McCall, Charles. (See Phinney, Albert, assignor.)
McCall, Hugh W., Scotia, Nebr. Horse-twitch. No. 1,257,899; Feb. 26; v. 247; p. 927.
McCall, Thomas, *et al.* (See Johnson, Ransom E., assignor.)
McCallin, Francis R., Long Island City, N. Y. Fender. No. 1,266,536; May 14; v. 250; p. 488.
McCallum, Albert L., Spokane, Wash. Hand-brake for cars. No. 1,265,221; May 7; v. 250; p. 96.
McCallum, Ingersoll W., Cambridge, Mass. Cultivator. No. 1,252,128; Jan. 1; v. 246; p. 201.
McCamish, Ida F., Winchester, Ind. Slipper. No. 1,279,891; Sept. 24; v. 254; p. 777.
McCann, Alfred R., assignor to the Hamilton Machine Tool Company, Hamilton, Ohio. Combined drip-cup and wiper. No. 1,258,129; Mar. 5; v. 248; p. 53.
McCann, Ferdinand. (See Taylor, Frederick C., assignor.)
McCann, Ferdinand. (See Taylor, Frederick C., assignor.)
McCann, Joseph W., Washington, D. C. Copy-holder. No. 1,278,488; Sept. 10; v. 254; p. 337.
McCann, Ronald A., New Brunswick, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,271,592; July 9; v. 252; p. 267.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,271,593; July 9; v. 252; p. 268.
McCann, Roy C., assignor to Virginia Trunk & Bag Company, Petersburg, Va. Wardrobe-trunk. No. 1,277,442; Sept. 3; v. 254; p. 31.
McCanna, Benjamin T., and F. C. Heinen, assignors of one-half to N. F. Leopold, Chicago, Ill. Internal-combustion engine. No. 1,251,793; Jan. 1; v. 246; p. 105.
McCanne, W. Roy, trustee. (See Cole, Philip H., assignor.)
McCarger, Lorren B., Kansas City, Mo. Feed-cutting machine. No. 1,277,344; Aug. 27; v. 253; p. 920.
McCarrell, William A., Milwaukee, Wis., assignor, by mesne assignments, to Vulcan Motor Devices Company, Philadelphia, Pa. Gear-shifting mechanism. No. 1,258,921; Mar. 12; v. 248; p. 321.
McCarroll, Edward W., Pittsburgh, Pa. Shopping and toilet case. No. 1,283,832; Nov. 5; v. 256; p. 104.
McCarroll, Edward W., Pittsburgh, Pa. Game device. No. 1,283,833; Nov. 5; v. 256; p. 104.
McCart, Henry E., Delhi, La. Spring-wheel. No. 1,253,066; Jan. 8; v. 246; p. 506.
McCarter, Charles, assignor of one-half to C. F. Evans, Decatur, Ill. Car-mover. No. 1,269,471; June 11; v. 251; p. 410.
McCarthy, Charles D., St. Paul, Minn. Tip-forming device for billiard-cues and the like. No. 1,279,734; Sept. 24; v. 254; p. 731.
McCarthy, Call J., Chicago, Ill. Fishing-lure. No. 1,257,008; Feb. 19; v. 247; p. 632.
McCarthy, Daniel M., Brooklyn, N. Y. Formaldehyde composition and the preparation thereof. No. 1,265,463; May 7; v. 250; p. 163.
McCarthy, Daniel M., Brooklyn, N. Y. Formaldehyde composition and the preparation thereof. (Reissue.) No. 14,514; Aug. 27, v. 253; p. 923.
McCarthy, Dennis, Turlock, Cal. Bean-buncher. No. 1,264,407; Apr. 30; v. 249; p. 1068.
McCarthy, Edward F., Chicago, Ill., assignor to Vacuum Machinery Co. Combined aspirator and force-pump. No. 1,264,315; Apr. 30; v. 249; p. 1041.
McCarthy, Edward F., assignor to W. J. Hirsch, Chicago, Ill. Candy-forming machine. No. 1,280,260; Oct. 1; v. 255; p. 41.
McCarthy, Michael J., Florence, Mass. Separator-coop for poultry. No. 1,272,823; July 16; v. 252; p. 643.
McCarthy, Thomas A., Toronto, Ontario, Canada. Mechanical calculator. No. 1,276,239; Aug. 20; v. 253; p. 586.
McCarthy, William E., Salem, Ohio. Stocking-stretcher. No. 1,284,738; Nov. 12; v. 256; p. 365.
McCarty, Callious J., Morgantown, W. Va. Horseshoeing-stand. No. 1,274,727; Aug. 6; v. 253; p. 111.
McCarty, Edward W. (See Hawkins, William W., assignor.)
McCarty, Franklin P., St. Louis, Mo. Gas-range. No. 1,257,372; Feb. 26; v. 247; p. 771.
McCarty, Franklin P., St. Louis, Mo. Gas-range. No. 1,257,373; Feb. 26; v. 247; p. 771.
McCarty, Harry C., Williamsport, Pa. Dust-guard for journal-boxes. No. 1,252,708; Jan. 8; v. 246; p. 400.
McCarty, Harry C., Williamsport, Pa. Dust-guard for journal-boxes. No. 1,267,569; May 28; v. 250; p. 833.
McCarty, James N., Paw Paw, Mich. Grader. No. 1,285,280; Nov. 19; v. 256; p. 541.
McCarty, Joseph O., Detroit, Mich. Clutch-lock for motor-vehicles. No. 1,283,834; Nov. 5; v. 256; p. 105.

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McCarty, Thomas A., Washington, D. C., assignor of one-half to H. Cashwell, Moltonville, N. C. Combination-handle for rolling-pins and other implements. No. 1,267,327; May 21; v. 250; p. 738.
McCarty, William F. M., Baltimore, Md. Treating petroleum-oils. No. 1,274,912; Aug. 6; v. 253; p. 162.
McCarty, William F. M., Baltimore, Md. Apparatus for treating petroleum-oils. No. 1,274,913; Aug. 6; v. 253; p. 163.
McCaskell, Jasper A., Salt Lake City, Utah. Continuous rotary pressure-filter. No. 1,266,133; May 14; v. 250; p. 378.
McCaskell, Jasper A., Salt Lake City, Utah. Continuous-pressure filtering process and apparatus. No. 1,288,433; Dec. 17; v. 257; p. 618.
McCaskey, Alfred S., assignor to C. P. McCaskey, Chicago, Ill. Flexible shaft. No. 1,258,233; Mar. 5; v. 248; p. 82.
McCaskey, Clare P. (See McCaskey, Alfred S., assignor.)
McCaskey, John A., Hagerhill, Ky. Basting device for roasting-pans. No. 1,277,968; Sept. 3; v. 254; p. 175.
McCaskey, Joseph, Wilkeson, Wash. Automobile-light. No. 1,259,252; Mar. 12; v. 248; p. 414.
McCaskey, Joseph, Wilkeson, Wash. Wind-shield. No. 1,278,698; Sept. 10; v. 254; p. 396.
McCaskey Register Company, The. (See Dunning, William E., assignor.)
McCaskey Register Company, The. (See Hick, Harry J., assignor.)
McCaskey Register Company, The. (See Liverance, Frank E., Jr., assignor.)
McCaskey Register Company, The. (See Moseley, Emerson B., assignor.)
McCaskill, Thomas L., Albany, Ga. Rotary hydrocarbon-engine. No. 1,264,408; Apr. 30; v. 249; p. 1069.
McCaughey, John W., Montgomery, Ala. Mixing and packing apparatus for molasses feed. No. 1,267,241; May 21; v. 250; p. 716.
McCaughey, William G., Ripon, Cal. Necktie-holder. No. 1,287,370; Dec. 10; v. 257; p. 328.
Mcauley, Columbus E., Erin, Tenn. Tire-armor. No. 1,279,385; Sept. 17; v. 254; p. 611.
McCauley, Harold. (See Johnston and McCauley.)
McCauley, Robert E., Pittsburgh, Pa. Mold-loading device. No. 1,281,083; Oct. 8; v. 255; p. 292.
McCauley, Thomas H., Calgary, Alberta, Canada. Car-brake-operating mechanism. No. 1,285,281; Nov. 19; v. 256; p. 541.
McCauley, Thomas H., Calgary, Alberta, Canada. Car-brake-operating mechanism. No. 1,285,282; Nov. 19; v. 256; p. 542.
McCauslin, George W., Stamford, Conn. Passenger-vehicle. No. 1,267,242; May 21; v. 250; p. 716.
McClain, Allen, Xenia, Ohio. Casket-trimming truck. No. 1,252,276; Jan. 1; v. 246; p. 241.
McClain, Charles H., and D. L. Buren, Bremerton, Wash. Film-shifter for cameras. No. 1,288,078; Dec. 17; v. 257; p. 534.
McClain, Charles P., *et al.* (See Ogle, Francis M., assignor.)
McClay, Clarence G. (See McClay, William W. and C. G.)
McClain, Jamesie E., Tempe, Ariz. Dumping-scraper. No. 1,271,485; July 2; v. 252; p. 203.
McClanahan, Allen E. (See Besaw and McClanahan.)
McClaren, George H., Mullinville, Kans. Automobile power-transmitting apparatus. No. 1,282,894; Oct. 29; v. 255; p. 885.
McClarren, Samuel T., St. Petersburg, Fla. Window-fixture. No. 1,264,828; Apr. 30; v. 249; p. 1183.
McClary, Robert G., Wellston, Mo. Making piston-rings. No. 1,277,231; Aug. 27; v. 253; p. 892.
McClaughry, Arthur C., Chicago, Ill. Corset-pattern system. No. 1,256,029; Feb. 12; v. 247; p. 305.
McClave-Brooks Company. (See McClave, William, assignor.)
McClave, William, assignor to McClave-Brooks Company, Scranton, Pa. Furnace-grate. No. 1,259,646; Mar. 19; v. 248; p. 557.
McClay, Clarence G. (See McClay, William W. and C. G.)
McClay, Charles E., Los Angeles, Cal. Demountable-rim-securing device. No. 1,257,264; Feb. 19; v. 247; p. 706.
McClay, William W., assignor of one-half to W. R. Sampson, Chicago, Ill. Rail-joint. No. 1,278,489; Sept. 10; v. 254; p. 337.
McClay, William W., and C. G., Chicago, Ill. Crate. No. 1,277,094; Aug. 27; v. 253; p. 856.
McClay, William W. and C. G., Chicago, Ill.; said William W. McClay assignor to said C. G. McClay. Nut-lock. No. 1,287,371; Dec. 10; v. 257; p. 329.
McClean, Alexander W. (See Peck and McClean.)
McClean, Horatio T., Moline, Ill. Pliers. No. 1,288,079; Dec. 17; v. 257; p. 534.
McClearen, William M., Dinuba, Cal. Fastening device. No. 1,269,626; June 18; v. 251; p. 486.
McClearen, William M., assignor of one-fourth to J. Blair, Dinuba, Cal. Automobile-bed. No. 1,281,037; Oct. 8; v. 255; p. 280.
McCleary, Elmer T. (See Elliott and McCleary.)
McCleary, Joseph F., Findlay, Ohio. Breast-pump. No. 1,284,396; Nov. 12; v. 256; p. 281.
McClees, Albert J., Ludlow, Ill. Tank-heater. No. 1,289,842; Dec. 31; v. 257; p. 1017.
McClellan, Benjamin S., Chicago, Ill. Refrigerating apparatus, and oil separator and condenser mechanism therefor. No. 1,254,518; Jan. 22; v. 246; p. 972.
McClellan, Benjamin S., Chicago, Ill. Refrigerating apparatus. No. 1,254,519; Jan. 22; v. 246; p. 973.
McClellan, Edward J., New York, N. Y., assignor to The Garvin Machine Company. Swivel-jaw spindle and chuck. No. 1,251,986; Jan. 1; v. 246; p. 160.
McClellan, George W., *et al.* (See Hitt, Reed R., assignor.)
McClellan, Harry W., and O. W. Hanson, Jr., Altoona, Pa. Clamp for holding piston-rings when removing pistons. No. 1,275,953; Aug. 13; v. 253; p. 475.
McClellan, William J., Chartley, Mass. Cuff-button. No. 1,264,103; Apr. 23; v. 249; p. 950.
McClelland, William A., Ridgewood, N. J. Bronzing-machine. No. 1,266.134; May 14; v. 250; p. 378.
McCleneghan, Alexander, Omaha, Nebr. Combined signal and number-holder. No. 1,283,835; Nov. 5; v. 256; p. 105.
McClennan, William J. (See Burkhard and McClennan.)
McClintic-Marshall Company. (See Vasdahl, Hans, assignor.)
McClintock, Herbert R., El Paso, Tex. Cigar or cigarette holder. No. 1,266,291; May 14; v. 250; p. 421.
McClintock, Theodore B., Chicago, Ill. Roentgenoscope. No. 1,285,283; Nov. 19; v. 256; p. 542.
McClintock, William, New York, N. Y. Sewage-ejector. No. 1,279,735; Sept. 24; v. 254; p. 731.
McCloskey, Alfred C., assignor, by mesne assignments, of one-half to himself, one-fourth to A. E. Davis, and one-fourth to F. J. Geiger, Philadelphia, Pa. Photographic paper. No. 1,265.464; May 7; v. 250; p. 163.
McCloskey, George W., *et al.* (See Pearson, John R., assignor.)
McCloskey, Leo, Maidstone, Ontario, Canada. Tractor. No. 1,270,480; June 25; v. 251; p. 744.
McCloud, Edward H., Columbus, Ohio. Fire-resisting shutter. No. 1,257,273; Feb. 19; v. 247; p. 708.
McCloud, Edward H., Columbus, Ohio. Brake for fire-shutters. No. 1,275,168; Aug. 6; v. 253; p. 233.
McCloud, Edward H., Columbus, Ohio. Door. No. 1,285,285; Nov. 19; v. 256; p. 543.
McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Fire door or shutter. No. 1,256,915; Feb. 19; v. 247; p. 604.
McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Power-transmission mechanism. No. 1,270,964; July 2; v. 252; p. 60.
McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Folding door. No. 1,278,958; Sept. 17; v. 254; p. 496.
McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Door-post-operating device. No. 1,283,836; Nov. 5; v. 256; p. 105.
McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Door. No. 1,285,284; Nov. 19; v. 256; p. 542.
McClun, Clark A., Leetonia, Ohio. Stop mechanism for lathes. No. 1,259,116; Mar. 12; v. 248; p. 378.
McClure, Charles W. (See Holnagel and McClure.)
McClure, Charles W., and E. J. Reilly, assignors to The William Pollock Company, Youngstown, Ohio. Liquid-metal-charging car for open-hearth furnaces. No. 1,273,391; July 23; v. 252; p. 822.
McClure, Clarence M., assignor to Frederick Stearns & Company, Detroit, Mich. Forming medicine-injectors. No. 1,279,564; Sept. 24; v. 254; p. 682.
McClure, F. Lynn. (See Curtis, Jesse T., assignor.)
McClure, Mayme E. (See Vinson and McClure, assignors.)
McClure, Roderick, assignor to H. G. Baruls, Gilman, Mont. Demountable rim. No. 1,273,640; July 23; v. 252; p. 889.
McClure, Roderick, and C. Owens, Fort Laramie, Wyo.; said Owens assignor to said McClure. Combined bending and cutting machine. No. 1,272,068; July 9; v. 252; p. 403.
McClure, Rodney N. (See Vinson and McClure.)
McClure, Royal A., C. H. Reeves, and W. W. Boulton, assignors, by mesne assignments, to Universal Elevated Railway Company, Seattle, Wash. Railway-track switch. No. 1,286,042; Nov. 26; v. 256; p. 773.
McClymont, Bryce W., Detroit, Mich. Heating system and hydraulic vacuum-generator. No. 1,265,928; May 14; v. 250; p. 321.
McClymont, Bryce W., assignor to Penberthy Injector Company, Detroit, Mich. Water-gage guard. No. 1,282,895; Oct. 29; v. 255; p. 886.
McCollough, William A., Webster City, Iowa. Hopper for feeding-troughs. No. 1,252,594; Jan. 8; v. 246; p. 367.
McCollum, Andrew A., *et al.* (See Smith, Ulysses S., assignor.)
McCollum, Alfred F., assignor of three-fifths to J. Magee, 2d, Bloomsburg, Pa. Feeding mechanism. No. 1,257,900; Feb. 26; v. 247; p. 927.
McCollum, Daniel B., Crandall, Ga. Antiskidding device for tires. No. 1,261,827; Apr. 9; v. 249; p. 269.
McCollum, H. K., *et al.* (See Helm, Virgil L., assignor.)
McCollum, James A., Pawnee, Okla. Radiator attachment. No. 1,262,074; Apr. 9; v. 249; p. 334.

McCollum, Le Roy, *et al.* (See Kelley, Benjamin F., assignor.)
McCollum, Violet, *et al.* (See Smith, Ulysses S., assignor.)
McComb, Henry G., New York, N. Y. Headlight. No. 1,255,325; Feb. 5; v. 247; p. 61.
McComb, James B. (See McComb, Samuel and J. B.)
McComb, Samuel and J. B., New York, N. Y. Washing compound. No. 1,264,104; Apr. 23; v. 249; p. 950.
McComb, William P., Conroe, Tex. Combination valve-cap and tool. No. 1,265,465; May 7; v. 250; p. 163.
McCombs, Charles C., Frisco, Tex. Combined marking pot and brush. No. 1,254,714; Jan. 29; v. 246; p. 1059.
McConnel, Charles W., *et al.*, trustees. (See Melcher, George S., assignor.)
McConnell, Alberta, Lorain, Ohio. Corset. No. 1,264,829; Apr. 30; v. 249; p. 1183.
McConnell, Bertram S., Lakewood, Ohio. Expansion-joint. No. 1,252,913; Jan. 8; v. 246; p. 457.
McConnell, Duncan A., Arlington, assignor to Lovell-McConnell Manufacturing Company, Newark, N. J. Hand-operated horn. No. 1,288,080; Dec. 17; v. 257; p. 535.
McConnell, Erskine C. (See Pedersen and McConnell.)
McConnell, Frank L., Astoria, Ill. Saw-setting tool. No. 1,263,447; Apr. 23; v. 249; p. 772.
McConnell, George, Aberdeen, Wash. Woodworking-tool. No. 1,280,785; Oct. 8; v. 255; p. 213.
McConnell, George, Aberdeen, Wash. Woodworking-tool. No. 1,280,786; Oct. 8; v. 255; p. 213.
McConnell, George W., assignor of one-half to W. B. McIlwain, Oklahoma, Okla. Device for balancing pump-rods. No. 1,257,901; Feb. 26; v. 247; p. 928.
McConnell, Goldman L., West Lebanon, Ind. Non-skid tire-protector. No. 1,264,830; Apr. 30; v. 249; p. 1184.
McConnell, Scott R., Wichita Falls, Tex. Rope-socket. No. 1,267,430; May 28; v. 250; p. 794.
McConahey, William M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, Combination transformer and circuit-breaker. No. 1,270,850; July 2; v. 252; p. 27.
McConahy, Elmer B., Mulino, Oreg. Buckle. No. 1,275,578; Aug. 13; v. 253; p. 370.
McCord, Alvin C., Chicago, Ill. Means for combining side frames and journal-boxes with car-trucks. No. 1,272,824; July 16; v. 252; p. 643.
McCord, Alvin C., Chicago, Ill. Draft-rigging for cars. No. 1,273,252; July 23; v. 252; p. 785.
McCord, Alvin C., Chicago, Ill. Draft-rigging for cars. No. 1,289,212; Dec. 31; v. 257; p. 861.
McCord and Company. (See Deck, Louis, assignor.)
McCord and Company. (See McIntosh, Robert L., assignor.)
McCord and Company. (See Schlacks, William J., assignor.)
McConway & Torley Company, The. (See McConway, William, Jr., assignor.)
McConway & Torley Company, The. (See Regan, William J., assignor.)
McConway & Torley Company, The. (See Buhoup, Harry C., assignor.)
McConway & Torley Company, The. (See Kelso, William, assignor.)
McConway & Torley Company, The. (See Milliken, Isaac H., assignor.)
McConway, William, Jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft-gear yoke. No. 1,259,422; Mar. 12; v. 248; p. 464.
McCord, Arthur B., Oak Park, Ill., assignor to McCord Silent Sleeve Motors Co., Chicago, Ill. Valve-operating mechanism. No. 1,282,896; Oct. 29; v. 255; p. 886.
McCord, Charles D., and J. L. Carlson, Edenburg, Pa. Shade-hanger. No. 1,253,699; Jan. 15; v. 246; p. 721.
McCord Manufacturing Company. (See Erickson, Edward S., assignor.)
McCord Manufacturing Company. (See Harris, Joseph D., assignor.)
McCord, Otto D., Rock Island, Ill. Cement-form tie-clamp. No. 1,272,281; July 9; v. 252; p. 462.
McCord Silent Sleeve Motors Co. (See McCord, Arthur B., assignor.)
McCorkindale, William, and H. C. Avery, Holyoke, Mass. Paper-package. No. 1,270,248; June 18; v. 251; p. 653.
McCormack, George A., Medford, assignor to F. Joy, Winchester, Mass. Stud for snap-fasteners. No. 1,273,513; July 23; v. 252; p. 855.
McCormack, George B., Jersey City, N. J. Printing-press. No. 1,275,281; Aug. 13; v. 253; p. 289.
McCormack, James, and E. E. Louiselle, South Framingham, Mass. Collapsible box. No. 1,262,612; Apr. 9; v. 249; p. 487.
McCormick, Allen L., Louisville, Ky. Wind-shield weather-strip. No. 1,259,117; Mar. 12; v. 248; p. 378.
McCormick, Charles C., Aurora, Mo. Egg-tester. No. 1,266,695; May 21; v. 250; p. 563.
McCormick, Daniel U., Fort Smith, Ark. Draft-gear for railway-cars. No. 1,283,537; Nov. 5; v. 256; p. 26.
McCormick, Edmund B., Manhattan, Kans. Recorder. No. 1,266,292; May 14; v. 250; p. 421.
McCormick, John B., Chester, Pa. Steam-turbine. No. 1,264,132; Apr. 23; v. 249; p. 957.
McCormick Laboratories Company, The. (See Kopf, Melrose G., assignor.)
McCormick, Langdon, New York, N. Y. Moving-picture apparatus. No. 1,256,147; Feb. 12; v. 247; p. 341.
McCormick, Langdon, New York, N. Y. Displaying pictures. No. 1,260,221; Mar. 19; v. 248; p. 723.
McCormick, Oscar C., Cleveland, assignor of one-fourth to J. E. Moyer, Akron; one-fourth to S. K. Hine, Girard; one-eighth to J. W. Wright, Youngstown, Ohio; and one-eighth to W. P. Canfield, Pittsburgh, Pa. Drier. No. 1,268,983; June 11; v. 251; p. 276.
McCormick, Oscar C., Cleveland, assignor of one-fourth to J. E. Moyer, Akron; one-fourth to S. K. Hine, Girard; one-eighth to J. W. Wright, Youngstown, Ohio; and one-eighth to W. P. Canfield, Pittsburgh, Pa. Machine for forming articles of plastic material. No. 1,268,984; June 11; v. 251; p. 277.
McCormick, Oscar C., Cleveland, Ohio. Drier. No. 1,283,242; Oct. 29; v. 255; p. 979.
McCormick, William, Brooklyn, N. Y. Ash-sifter. No. 1,260,222; Mar. 19; v. 248; p. 723.
McCourt, Cyril D. (See Bone, Wilson, and McCourt.)
McCourt, Cyril D., London, England, and C. Ellis, Montclair, N. J., assignors, by mesne assignments, to Surface Combustion, Inc., Wilmington, Del. Manufacturing gas-black, hydrogen, &c. No. 1,276,385; Aug. 20; v. 253; p. 628.
McCourt, Cyril D., London, England, and C. Ellis, Montclair, N. J., assignors to Surface Combustion Inc., Wilmington, Del. Apparatus for making nitrogen and carbon dioxid. No. 1,289,496; Dec. 31; v. 257; p. 932.
McCourt, Patrick H., St. Louis, Mo. Spring-wheel. No. 1,286,369; Dec. 3; v. 257; p. 46.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Condensation product and method of producing the same. No. 1,253,261; Jan. 15; v. 246; p. 592.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Phenolic condensation product. No. 1,253,262; Jan. 15; v. 246; p. 592.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Preparing phenolic condensation products. No. 1,253,404; Jan. 15; v. 246; p. 636.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coating process. No. 1,268,030; May 28; v. 250; p. 962.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Moldable material. No. 1,268,031; May 28; v. 250; p. 963.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Hardening phenolic condensation products. No. 1,269,627; June 18; v. 251; p. 486.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Plastic composition and making the same. No. 1,274,728; Aug. 6; v. 253; p. 111.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Molding. No. 1,286,370; Dec. 3; v. 257; p. 46.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Making molded articles. No. 1,286,371; Dec. 3; v. 257; p. 46.
McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Condensation product and related composition and making the same. No. 1,286,372; Dec. 3; v. 257; p. 46.
McCoy, Marion M., Dawson, N. Mex., assignor of one-half to G. A. Will, St. Louis, Mo. Internal-combustion engine. No. 1,269,195; June 11; v. 251; p. 334.
McCoy, Thomas J., Kane, Pa. Glass manufacture. No. 1,255,450; Feb. 5; v. 247; p. 96.
McCoy, Thomas J., Kane, Pa. Apparatus for glass manufacture. No. 1,282,254; Oct. 22; v. 255; p. 683.
McCoy, Thomas J., Wichita Falls, Tex. Glass manufacture. No. 1,283,538; Nov. 5; v. 256; p. 26.
McCoy, Walter E., New York, N. Y. Apparatus for shaping conduits. No. 1,266,293; May 14; v. 250; p. 422.
McCoy, Wilber A., Pittsburgh, Pa. Game apparatus. No. 1,268,741; June 4; v. 251; p. 189.
McCoy, William D., Brooklyn, N. Y. Ginning and delinting machine. No. 1,279,565; Sept. 24; v. 254; p. 682.
McCoy, William T., New York, N. Y. Life-saving device. No. 1,289,843; Dec. 31; v. 257; p. 1017.
McCracken, George B., Willimantic, Conn. Valve. No. 1,285,286; Nov. 19; v. 256; p. 543.
McCracken, James D., assignor to The United States Playing Card Company, Cincinnati, Ohio. Lithographer's plate-holding mechanism. No. 1,286,684; Dec. 3; v. 257; p. 121.
McCracken, Mark, Portland, Oreg. Air-valve. No. 1,261,044; Apr. 2; v. 249; p. 16.
McCrae, Charles L., Tucumcari, N. Mex. Steam-boiler regulator. No. 1,253,989; Jan. 15; v. 246; p. 801.
McCraney, Joseph B., High Point, N. C. Folding hospital-bed. No. 1,289,844; Dec. 31; v. 257; p. 1017.
McCraw, John T., Aylesworth, Okla. Cattle-guard. No. 1,275,060; Aug. 6; v. 253; p. 204.

McCray, Aaron A. (See Welchel and McCray.)
McCray, Henry L., St. Jo, Tex. Attachment for stalk-cutting machines. No. 1,278,959; Sept. 17; v. 254; p. 496.
McCray, Millard F., Cowgill, Mo. Shock-binder. No. 1,259,647; Mar. 19; v. 248; p. 558.
McCrea, Walter P., Logansport, Ind. Bandage-package. No. 1,262,963; Apr. 16; v. 249; p. 614.
McCready, Charles T., Onley, Va. Vine-cutter. No. 1,252,914; Jan. 8; v. 246; p. 458.
McCreary, Arthur R., Kansas City, Mo. Advertising device. No. 1,270,427; June 25; v. 251; p. 730.
McCreary, Charles, Los Angeles, Cal. Mechanical movement. No. 1,262,817; Apr. 16; v. 249; p. 573.
McCreary, Sarah E., Highland, Kans. Attachment for corsets. No. 1,258,028; Mar. 5; v. 248; p. 24.
McCredie, Reid J., Buffalo, N. Y. Shoe-polishing cabinet. No. 1,254,821; Jan. 29; v. 246; p. 1092.
McCrone, John W., Muldoon, Tex. Lamp-burner. No. 1,252,709; Jan. 8; v. 246; p. 400.
McCrosky, Aubrey D., Los Angeles, Cal. Doll. No. 1,280,055; Sept. 24; v. 254; p. 822.
McCrosson, John T., San Francisco, Cal. Motor-vehicle suspension. No. 1,281,256; Oct. 8; v. 255; p. 342.
McCue, Leo, assignor of one-fifth to F. L. Harwood, one-fifth to R. W. Albertson, one-fifth to J. H. Gilson, and one-fifth to N. M. Whipple, Chicago, Ill. Drier for sensitized plates. No. 1,253,990; Jan. 15; v. 246; p. 801.
McCuen, Charles L. (See Burns and McCuen.)
McCuen, Charles L., Detroit, Mich., assignor, by mesne assignments, to The Isko Company, Chicago, Ill. Cylinder and piston construction. No. 1,285,755; Nov. 26; v. 256; p. 701.
McCulloch, Charles A. (See Ripken, Hugo F., assignor.)
McCulloch, Eldrige V., Kansas City, Mo. Magnetic sanding device for motor-vehicles. No. 1,257,265; Feb. 19; v. 247; p. 706.
McCulloch, Frederick L., assignor to W. E. Dorchester, Tampa, Fla. Carbureter attachment. No. 1,262,219; Apr. 9; v. 249; p. 376.
McCulloch, Frederick L., assignor to W. E. Dorchester, Tampa, Fla. Carbureter attachment. No. 1,262,220; Apr. 9; v. 249; p. 377.
McCulloch, John A., McKeesport, assignor to National Tube Company, Pittsburgh, Pa. Pipe-joint. No. 1,251,901; Jan. 1; v. 246; p. 136.
McCulloch, Leon, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Composite insulating material and making the same. No. 1,286,043; Nov. 26; v. 256; p. 773.
McCullough, Charles C., Calipatria, Cal. Sanitary stock drinking-cup. No. 1,259,253; Mar. 12; v. 248; p. 414.
McCullough, George. (See Hamilton and McCullough.)
McCullough, Mary A., New York, N. Y. Awning. No. 1,288,081; Dec. 17; v. 257; p. 535.
McCullough, Morgan, Los Angeles, Cal. Device for washing glasses and cups. No. 1,257,902; Feb. 26; v. 247; p. 928.
McCullough, Morgan, Los Angeles, Cal. Suspender-strap fastening means. No. 1,271,338; July 2; v. 252; p. 165.
McCullough, William D., Detroit, Mich. Cushion-seat. No. 1,254,333; Jan. 22; v. 246; p. 920.
McCullough, William T., Chicago, Ill. Power-transmitting device. No. 1,283,243; Oct. 29; v. 255; p. 979.
McCully, Charles H. (See McCully, Richard P., assignor.)
McCully, Richard P., assignor of one-half to C. H. McCully, Brooklyn, N. Y. Surgical-instrument shield. No. 1,266,031; May 14; v. 250; p. 349.
McCune, Royal L. (See Pierce, Overstreet, and McCune.)
McCune, Royal L., Vero, Fla. Agricultural implement. No. 1,270,180; June 18; v. 251; p. 636.
McCurdy, Arthur L. S. (See Ewen and McCurdy.)
McCurdy, Arthur W., Victoria, British Columbia, Canada. Photographic film. No. 1,261,747; Apr. 2; v. 249; p. 212.
McCurdy, Arthur W., Victoria, British Columbia, Canada. Photographic-film cartridge or pack. No. 1,261,748; Apr. 2; v. 249; p. 212.
McCurdy, David G. (See Walter and McCurdy.)
McCurdy, Samuel. (See McVeigh and McCurdy.)
McCurley, Orel J., Kissimmee, Fla. Axle-nut lock. No. 1,268,985; June 11; v. 251; p. 277.
McCurrie, Hugh C., San Francisco, Cal. Machine for cutting and pitting drupaceous fruit. No. 1,286,685; Dec. 3; v. 257; p. 121.
McCurtain, Frank, Salt Lake City, Utah. Fuel-heater. No. 1,280,787; Oct. 8; v. 255; p. 213.
McCutchan, Ignatius. (See Hamacher and McCutchan.)
McCutcheon, William L., Wilkes-Barre, Pa. Submarine-operating apparatus. No. 1,262,075; Apr. 9; v. 249; p. 335.
McDade, Alfred F., assignor of one-third to C. Jacobson and one-third to H. Loeb, Little Rock, Ark. Billiard-cue. No. 1,282,096; Oct. 22; v. 255; p. 639.
McDade, Clarence, Middleport, Ohio, and F. A. Chapman, Hartford, W. Va. Emergency-tank for automobiles. No. 1,258,797; Mar. 12; v. 248; p. 285.
McDade, Clarence, Middleport, Ohio, and F. Chapman, Hartford, W. Va. Burglar-alarm door-lock. No. 1,265,222; May 7; v. 250; p. 96.
McDaniel, Fannie E., executrix. (See McDaniel, James.)
McDaniel, Horace A., Baltimore, Md. Demountable-rim lock. No. 1,278,699; Sept. 10; v. 254; p. 397.
McDaniel, James, deceased, Minneapolis, Minn.; F. E. McDaniel, executrix. Box-car unloader. No. 1,274,571; Aug. 6; v. 253; p. 66.
McDaniel, James H., Wood Lake, Nebr. Hay-stacker. No. 1,279,736; Sept. 24; v. 254; p. 731.
McDaniel, Ross H., Peru, Ind. Electric-light extension. No. 1,270,636; June 25; v. 251; p. 787.
McDaniel, Simeon G., Laurens, S. C. Locking device and alarm for motor-vehicles. No. 1,287,058; Dec. 10; v. 257; p. 249.
McDaniel, Thomas J. (See Bounds and McDaniel.)
McDaniel, Walter O., assignor to Schroeter Brothers Hardware Company, St. Louis, Mo. Projectile or shell for toy cannons and guns. No. 1,285,287; Nov. 19; v. 256; p. 543.
McDaniels, Frank A., Portland, Oreg. Tractor control. No. 1,261,571; Apr. 2; v. 249; p. 165.
McDermott, Edward W., Waukegan, Ill. Rope-grip. No. 1,264,534; Apr. 30; v. 249; p. 1104.
McDermott, Franklin P., Jr., and W. O. Kennington, Anderson, Ind., assignors, by mesne assignments, to Eclipse Machine Company, Elmira, N. Y. Gearing. No. 1,253,263; Jan. 15; v. 246; p. 592.
McDermott, Henry, Clinton, Mass. Card-cylinder-stripping device. No. 1,267,781; May 28; v. 250; p. 892.
McDermott, James P., New Haven, Conn. Automobile-signal. No. 1,262,365; Apr. 9; v. 249; p. 417.
McDevitt, James B., Chicago, Ill. Telephone-booth. No. 1,274,914; Aug. 6; v. 253; p. 163.
McDonagh, William J., Concord, New South Wales, Australia. Neckwear attachment device. No. 1,251,794; Jan. 1; v. 246; p. 106.
McDonald, Alexander Y., and D. Sullivan, Glace Bay, Nova Scotia, Canada. Table-dish. No. 1,251,549; Jan. 1; v. 246; p. 31.
McDonald, Charles D., Chicago, Ill. Appliance for die-presses or the like. No. 1,252,277; Jan. 1; v. 246; p. 241.
McDonald, Charles D., Chicago, Ill. Attachment for the feed-bars of die-presses or the like. No. 1,252,278; Jan. 1; v. 246; p. 242.
McDonald, Charles D., Chicago, Ill. Work-separating means. No. 1,252,279; Jan. 1; v. 246; p. 242.
McDonald, Charles D., Chicago, Ill. Suction-cup. No. 1,252,280; Jan. 1; v. 246; p. 242.
McDonald, Charles D., Chicago, Ill. Applying sanitary linings to can ends. No. 1,263,580; Apr. 23; v. 249; p. 808.
McDonald, Charles D., Chicago, Ill. Automatic die-press. No. 1,263,581; Apr. 23; v. 249; p. 808.
McDonald, Charles D., Chicago, Ill. Die-press mechanism. No. 1,272,481; July 16; v. 252; p. 544.
McDonald, Charles J. (See Chenette, Frank A., assignor.)
McDonald, Charley L., Mullinville, Kans. Straw-spreader and grain-separator. No. 1,264,409; Apr. 30; v. 249; p. 1069.
McDonald, David A., assignor to Lyon & Healy, Chicago, Ill. Valve for wind instruments. No. 1,263,084; Apr. 16; v. 249; p. 651.
McDonald, David A., assignor to Lyon & Healy, Chicago, Ill. Trombone. No. 1,263,085; Apr. 16; v. 249; p. 651.
McDonald, Donald B. (See Dingwall and Prudden, assignors.)
McDonald, Ervan L., Salt Lake City, Utah. Method of and apparatus for making electrical measurements. No. 1,286,373; Dec. 3; v. 257; p. 46.
McDonald, Francis R., South Bend, Ind. Fluid-clutch. No. 1,278,960; Sept. 17; v. 254; p. 496.
McDonald, George E., Jr., Cincinnati, Ohio. Combination spreader and form-tie. No. 1,258,130; Mar. 5; v. 248; p. 53.
McDonald, George F., St. Louis, Mo. Combined hat, coat, and trousers rack. No. 1,268,371; June 4; v. 251; p. 85.
McDonald, George H., Milwaukee, Wis. Spring-support for vehicles. No. 1,257,505; Feb. 26; v. 247; p. 811.
McDonald, Hugh. (See Vincent, Perlo, assignor.)
McDonald, Irvin F., Baltimore, Md. Button-fastener. No. 1,267,243; May 21; v. 250; p. 716.
McDonald, J. A. (See Floyd, William B., assignor.)
McDonald, James A., and J. H. Harris, assignors of one-third to said McDonald, one-third to E. B. Power, Fort Worth, and one-third to J. D. Zook, Waco, Tex. Carbureter attachment. No. 1,260,005; Mar. 19; v. 248; p. 664.
McDonald, James D., Lynn, Mass., assignor to General Electric Company. Projector. No. 1,267,881; May 28; v. 250; p. 922.
McDonald, James J., Cleveland, Ohio. Writing-board. No. 1,284,118; Nov. 5; v. 256; p. 180.
McDonald, John I., St. Joseph, Mo. Templet for the manufacture of cuffs. No. 1,251,677; Jan. 1; v. 246; p. 71.
McDonald, John I., St. Joseph, Mo. Combination-garment. No. 1,269,945; June 18; v. 251; p. 573.
McDonald, John U., La Grande, Oreg., assignor to American Gas and Incinerator Company, Tacoma, Wash. Apparatus for making gas. No. 1,278,180; Sept. 10; v. 254; p. 255.
McDonald, Murdock. (See Bristow and McDonald.)

McDonald, Samuel, Alhambra, Cal. Producing iron and steel. No. 1,255,191; Feb. 5; v. 247; p. 22.
McDonald, Samuel M., Sterling, Kans. Auto mail-tray. No. 1,286,374; Dec. 3; v. 257; p. 47.
McDonald, Thomas M., D'Aste, Mont. Tracto train. No 1,276,667; Aug. 20; v. 253; p. 705.
McDonald, William L., Chicago, Ill. Hoisting and distributing apparatus. No. 1,286,686; Dec. 3; v. 257; p. 122.
McDonell, Angus W. (See Eliel, Albert L., assignor.)
McDonell, William E., assignor to E. Kirstein Sons Company, Rochester, N. Y. Ophthalmic mounting. No. 1,264,410; Apr. 30; v. 249; p. 1069.
McDonell, William E., assignor to E. Kirstein Sons Company, Rochester, N. Y. Ophthalmic mounting. No. 1,264,411; Apr. 30; v. 249; p. 1069.
McDonnell, James F., Lakewood, Ohio, assignor of one-half to Sanitary Bottle Washing Company (Limited), Chicago, Ill. Bottle-supporting means. No. 1,260,006; Mar. 19; v. 248; p. 664.
McDonnell, James P., *et al.* (See Jacobsen, Jacob, assignor.)
McDonnell, Raymond R., Chicago, Ill. Automobile-wheel auxiliary bearing. No. 1,254,420; Jan. 22; v. 246; p. 944.
McDonnell, William E. (See Kirstein and McDonnell.)
McDonough, A. W. (See McRoberts, James, assignor.)
McDonough, Alexander J. (See Sullivan, Joseph M., assignor.)
McDonough, Joseph G. (See Coleman and Vredenburgh, assignors.)
McDonough, Joseph G., Eau Claire, Wis. Lumber-marking device. No. 1,288,082; Dec. 17; v. 257; p. 535.
McDonough, Joseph G., Eau Claire, Wis. Lumber-marking device. No. 1,288,083; Dec. 17; v. 257; p. 535.
McDonough, Joseph G., Eau Claire, Wis. Lumber-marking device. No. 1,288,084; Dec. 17; v. 257; p. 536.
McDonough, Robert H., Detroit, Mich. Combination-lock. No. 1,271,739; July 9; v. 252; p. 310.
McDougal, Taine G. (See Champion and McDougal.)
McDougall, Alexander, Duluth, Minn. Ship construction. No. 1,257,621; Feb. 26; v. 247; p. 846.
McDougall, Alexander, Duluth, Minn. Ship construction. No. 1,259,540; Mar. 19; v. 248; p. 529.
McDougall, Alexander, Duluth, Minn. Ship-hatch. No. 1,270,428; June 25; v. 251; p. 730.
McDougall, George A. (See Williams and McDougall.)
McDougall, Walter. (See Barlow, Arthur, assignor.)
McDowell, Clara A., Redondo Beach, Cal. Ironing-board lace. No. 1,254,614; Jan. 22; v. 246; p. 1001.
McDowell, Elizabeth M., Olympia, Wash. Playing-cards. No. 1,277,969; Sept. 3; v. 254; p. 175.
McDowell, Ira J., *et al.* (See Blakeslee, Clyde W., assignor.)
McDowell, John L., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine-car running-gear. No. 1,256,148; Feb. 12; v. 247; p. 341.
McDowell, John L., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Roller-bearing mine-car wheel. No. 1,256,149; Feb. 12; v. 247; p. 341.
McDowell, John L., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car-wheel with permanently-retained roller-bearing. No. 1,256,150; Feb. 12; v. 247; p. 342.
McDowell, John L., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Lubricated mine-car wheel. No. 1,256,151; Feb. 12; v. 247; p. 342.
McDowell, Lamont A., Racine, Wis. Automobile-door ventilator. No. 1,268,986; June 11; v. 251; p. 277.
McElree, T. M. (See Myers, Melvin A., assignor.)
McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Thermostatically-controlled circuit. No. 1,270,851; July 2; v. 252; p. 27.
McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Door-guard. No. 1,287,717; Dec. 17; v. 257; p. 444.
McElroy, John F., assignor of three-fourths to F. Erickson, E. S. Seely, and C. A. Tiffany, Cedar Rapids, Iowa. Multiple-block mold. No. 1,282,607; Oct. 22; v. 255; p. 778.
McElroy, John H., Chicago, Ill. Practice golf-ball. No. 1,262,532; Apr. 9; v. 249; p. 463.
McElroy, John H., Chicago, Ill. Gearing for washing-machines. No. 1,284,397; Nov. 12; v. 256; p. 281.
McElroy, Karl P., assignor to Chemical Development Company, Washington, D. C. Manufacture of chlorhydrins. No. 1,253,615; Jan. 15; v. 246; p. 695.
McElroy, Karl P., Washington, D. C. Laboratory apparatus. No. 1,254,048; Jan. 22; v. 246; p. 838.
McElroy, Karl P., assignor to Chemical Development Company, Washington, D. C. Making chlorhydrins. No. 1,253,616; Jan. 15; v. 246; p. 695.
McElroy, Karl P., Washington, D. C., assignor to Chemical Development Company. Process of and apparatus for oxidizing hydrocarbons. No. 1,253,617; Jan. 15; v. 246; p. 695.
McElroy, Karl P., Washington, D. C., assignor to Chemical Development Company. Manufacture of glycols. No. 1,259,757; Mar. 19; v. 248; p. 590.
McElroy, Karl P., Washington, D. C., assignor to Chemical Development Company. Manufacture of glycols and glycol derivatives. No. 1,259,758; Mar. 19; v. 248; p. 591.
McElroy, Karl P., Washington, D. C. Making high-strength bleach. No. 1,261,572; Apr. 2; v. 249; p. 165.
McElroy, Karl P., Washington, D. C., assignor to Chemical Development Company. Electrolysis of chlorids. No. 1,264,535; Apr. 30; v. 249; p. 1104.
McElroy, Karl P., assignor to Chemical Development Company, Washington, D. C. Manufacture of alkalis. No. 1,264,536; Apr. 30; v. 249; p. 1104.
McElroy, Karl P., Washington, D. C., assignor to Chemical Development Company. Hygroscopic composition. No. 1,268,135; June 4; v. 251; p. 19.
McElroy, Robert L., New York, N. Y., and J. E. Shepherd, University, Va. Automatic fire-extinguishing system. No. 1,264,196; Apr. 30; v. 249; p. 1009.
McElroy, Roy H., assignor to The International Clay Machinery Co., Dayton, Ohio. Compartment-kiln. No. 1,254,421; Jan. 22; v. 246; p. 945.
McElroy, Roy H., assignor to International Clay Machinery Co., Dayton, Ohio. Sectional kiln. No. 1,264,316; Apr. 30; v. 249; p. 1042.
McElroy, Roy H., assignor to International Clay Machinery Co., Dayton, Ohio. Compartment-kiln. No. 1,264,317; Apr. 30; v. 249; p. 1042.
McElroy, Roy H., assignor to The International Clay Machinery Co., Dayton, Ohio. Compartment-kiln. No. 1,275,712; Aug. 13; v. 253; p. 408.
McElveen, Aaron, Stilson, Ga. Puzzle. No. 1,270,181; June 18; v. 251; p. 636.
McElvain, Blake H. (See Mark and McElvain.)
McElwaine, Clayton B., Drumright, Okla. Well-pump jack. No. 1,261,573; Apr. 2; v. 249; p. 166.
McEnery, Jeremiah G., Chicago, Ill. Liquid-dispenser. No. 1,274,915; Aug. 6; v. 253; p. 163
McErlane, Daniel, Mankato, Minn. Ventilating boots and shoes. No. 1,255,451; Feb. 5; v. 247; p. 97.
McEvoy, James E., Osgoode, Canada. Motor-sleigh. No. 1,279,386; Sept. 17; v. 254; p. 611.
McEvoy, Joseph, Brownsville, Pa. Conduit. No. 1,261,416; Apr. 2; v. 249; p. 121.
McEwen Bros. (See Bjornsson, Carl A., assignor.)
McEwen, Harry N., and A. W. J. Anthony, Escanaba, Mich. Veneer or paper packaging machine. No. 1,289,497; Dec. 31; v. 257; p. 933.
McEwen, Norman S., Nashville, Tenn. Camera-timing device. No. 1,285,288; Nov. 19; v. 256; p. 543.
McEwen, Willard M., Chicago, Ill. Ceiling-fan. No. 1,287,059; Dec. 10; v. 257; p. 249.
McEwen, Willard M., *et al.* (See Olson, Gustaf, assignor.)
McEwen, Willard M., Chicago, Ill. Control mechanism for electric fans. No. 1,252,595; Jan. 8; v. 246; p. 368.
McEwen, Willard M., Chicago, Ill. Humidifying-fan. No. 1,266,966; May 21; v. 250; p. 638.
McEwen, Willard M., Chicago, Ill. Air-circulating device. No. 1,287,060; Dec. 10; v. 257; p. 249.
McFadden, Albert R., Jeromesville, Ohio. Package-tie. No. 1,272,482; July 16; v. 252; p. 544.
McFaddin, Harrison D., East Orange, N. J. Portable lamp. No. 1,262,964; Apr. 16; v. 249; p. 615.
McFaddin, Harrison D., East Orange, N. J. Hand-lamp for therapeutic purposes. No. 1,267,882; May 28; v. 250; p. 923.
McFall, Patrick W., assignor of one-half to E. Butler, Madison, Ark. Colter-fastener. No. 1,252,915; Jan. 8; v. 246; p. 458.
McFalls, David H., *et al.* (See Calkins, Almon B., assignor.)
McFarland, Art B., Blackwell, Okla. Header-pitman. No. 1,280,261; Oct. 1; v. 255; p. 41.
McFarland, Charles M., *et al.* (See Watkins, Thomas C., assignor.)
McFarland, Charley W., and G. N. Griffin, assignors of one-third to C. E. Wells, Shawnee, Okla. Automatic nut-cracking machine. No. 1,265,350; May 7; v. 250; p. 131.
McFarland, Clarence T., Boston, Mass. Building construction. No. 1,254,249; Jan. 22; v. 246; p. 895.
McFarland, Edward H., Boston, Mass., assignor to General Electric Company. Nozzle-plug. No. 1,255,622; Feb. 5; v. 247; p. 147.
McFarland, Edward H., Schenectady, N. Y., assignor to General Electric Company. Centrifugal compressor. No. 1,263,448; Apr. 23; v. 249; p. 772.
McFarland, Elmer E. (See Neth, George J., assignor.)
McFarland, Frank J., Portland, Oreg. Automobile-locking means. No. 1,251,987; Jan. 1; v. 246; p. 161.
McFarland, Harry R., Seattle, Wash. Can-opener. No. 1,261,045; Apr. 2; v. 249; p. 16.
McFarland, Homer L., Conway, Mo. Air-coupling. No. 1,259,118; Mar. 12; v. 248; p. 379.
McFarland, James W., Brownwood, Tex. Gas-generating apparatus. No. 1,257,374; Feb. 26; v. 247; p. 772.
McFarland, James W., Brownwood, Tex. Washboiler. No. 1,271,189; July 2; v. 252; p. 124.
McFarland, John F., Brooklyn, N. Y. Cuspidor lifting and cleaning device. No. 1,280,056; Sept. 24; v. 254; p. 822.

McFarland, John N., and F. W. Letsch, Baltimore, Md.; said Letsch assignor to said McFarland. Switch-operating device for motor-vehicles. No. 1,273,514; July 23; v. 252; p. 855.
McFarland, Owen D. (See Cumfer and McFarland.)
McFarland, Owen D., assignor to Guyton & Cumfer Manufacturing Company, Chicago, Ill. Expansion-joint. No. 1,288,631; Dec. 24; v. 257; p. 696.
McFarlane, Arthur R., Minneapolis, Minn. Scale. No. 1,252,916; Jan. 8; v. 246; p. 458.
McFarlane, Charles W. (See Payne and McFarlane.)
McFarlane, George C., Denver, Colo. Rotary compressor. No. 1,262,533; Apr. 9; v. 249; p. 463.
McFarlane, George C., Denver, Colo. Rotary compressor and vacuum-pump. No. 1,278,700; Sept. 10; v. 254; p. 397.
McFarlin, John R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lightning-arrester. No. 1,276,783; Aug. 27; v. 253; p. 773.
McFarlin, John R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lightning-arrester. No. 1,277,095; Aug. 27; v. 253; p. 856.
McFaul, Alexander D., assignor to Mystic Ball Company, Machias, Me. Toy. No. 1,263,262; Apr. 16; v. 249; p. 698.
McFeely, Ronald F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,254,917; Jan. 29; v. 246; p. 1121.
McFerren, David S., Quenemo, Kans. Cushioned shockless wheel. No. 1,259,541; Mar. 19; v. 248; p. 530.
McGaffee, James F., Des Moines, Iowa. Sheet-metal silo-roof. No. 1,267,679; May 28; v. 250; p. 863.
McGahan, George A., Cincinnati, Ohio, assignor of one-fifth to W. M. Catron and one-fifth to C. I. Ross and J. S. Cooper, Somerset, Ky. Poultry-coop. No. 1,253,067; Jan. 8; v. 246; p. 506.
McGaw, Frederick W., Moores Mills, New Brunswick, Canada. Incendiary explosive shell. No. 1,287,372; Dec. 10; v. 257; p. 329.
McGee, Arthur C., Olathe, Kans., assignor to Economy Welding Machine Company, Kansas City, Mo. Welding or cutting torch. No. 1,259,885; Mar. 19; v. 248; p. 628.
McGiehan, Isaac S., New York, N. Y. Machine for impregnating fabrics with rubber. No. 1,255,192; Feb. 5; v. 247; p. 23.
McGill, Charles E., Colorado Springs, Colo. Confidential sheet-blind. No. 1,257,506; Feb. 26; v. 247; p. 811.
McGill, William, Evanston, Ill. Foot-ball head-gear. No. 1,262,818; Apr. 16; v. 249; p. 573.
McGinley, Frederick D., Pleasant Beach, and J. J. Michels, Syracuse, N. Y. Automatic signal for railway-crossings. No. 1,254,250; Jan. 22; v. 246; p. 895.
McGinnis, Francis A., Detroit, Mich. Coin-carrier. No. 1,256,241; Feb. 12; v. 247; p. 370.
McGlashan, James C., *et al.* (See Holmes and Hawley, assignors.)
McGlauflin, Adelia, San Rafael, Cal. Portable wash-stand. No. 1,264,105; Apr. 23; v. 249; p. 950.
McGann, Owen J., Wattsville, assignor of one-half to G. Sinclair, Hanoverton, Ohio. Valveless rotary internal-combustion engine. No. 1,269,722; June 18; v. 251; p. 512.
McGann, Owen J., Carrollton, assignor of one-half to G. Sinclair, Hanoverton, Ohio. Rotary internal-combustion engine. No. 1,272,975; July 16; v. 252; p. 683.
McGary, Alexander, and J. P. Sunderland, New York, N. Y., assignors, by mesne assignments, to Gould Coupler Company. Closet. No. 1,272,483; July 16; v. 252; p. 544.
McGary, Alexander, and J. P. Sunderland, New York, N. Y., assignors, by mesne assignments, to Gould Coupler Company. Closet. No. 1,276,784; Aug. 27; v. 253; p. 773.
McGary, Alexander, and J. P. Sunderland, New York, N. Y., assignors, by mesne assignments, to Gould Coupler Company. Closet. No. 1,277,232; Aug. 27; v. 253; p. 892.
McGary, Eugene L., Chicago, Ill. Controlling mechanism for hydraulic presses. No. 1,283,837; Nov. 5; v. 256; p. 105.
McGary, Eugene L., Chicago, Ill. Forging-press. No. 1,286,687; Dec. 3; v. 257; p. 122.
McGeary, Richard H., Allegheny, Pa. Fluid-pressure brake. No. 1,269,472; June 11; v. 251; p. 411.
McGee, Brutus A., Chicago, Ill. Nursing-bottle support. No. 1,276,936; Aug. 27; v. 253; p. 813.
McGee, Charles K. (See Osborn, James T., assignor.)
McGee, William, Apple River, Ill. Latch for farm-gates. No. 1,285,756; Nov. 26; v. 256; p. 701.
McGehee, Burnard, assignor of one-third to J. H. Brewer, New Orleans, La. Starting mechanism for automobiles. No. 1,267,431; May 28; v. 250; p. 794.
McGeorge, John, assignor to The Cleveland Engineering Company, Cleveland, Ohio. Steering mechanism for vehicles. No. 1,285,289; Nov. 19; v. 256; p. 544.
McGhee, James F., City Point, Va., assignor of one-fourth to N. T. Whitaker, Washington, D. C. Drinking-cup. No. 1,281,038; Oct. 8; v. 255; p. 280.
McGill, George F. (See Bruhn and McGill.)
McGinnis, Elwood T., Atlantic City, N. J. Coin-holder. No. 1,271,339; July 2; v. 252; p. 165.
McGinnis, Eugene H., New York, N. Y. Nuts. No. 1,276,785; Aug. 27; v. 253; p. 774.
McGinnis, H. J., *et al.* (See Brown, Marvin H., assignor.)
McGinnis, William A., Chicago, Ill. Garment-hanger. No. 1,273,253; July 23; v. 252; p. 785.
McGinnitey, John F., and R. C. Cox, St. Joseph, Mo. Parallelogram-cutting machine. No. 1,279,892; Sept. 24; v. 254; p. 778.
McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Trolley-carriage. No. 1,286,688; Dec. 3; v. 257; p. 122.
McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Valve. No. 1,286,689; Dec. 3; v. 257; p. 123.
McGinniss, William J., Richmond, Va. Piston-ring. No. 1,288,085; Dec. 17; v. 257; p. 536.
McGirr, Patrick A., De Kalb, Ill. Plow. No. 1,280,057; Sept. 24; v. 254; p. 823.
McGladrey, Alexander D., Millarton, N. D. Dispensing match-box. No. 1,287,373; Dec. 10; v. 257; p. 329.
McGlothin, Lee, *et al.* (See Shipwash, Scott, assignor.)
McGlothin, Samuel J., *et al.* (See Shipwash, Scott, assignor.)
McGovern, William J., Peekskill, N. Y. Conveyer for unloading vessels, barges, and the like. No. 1,283,838; Nov. 5; v. 256; p. 106.
McGowan, Chester E., Memphis, Tenn. Metallic sash-bar. No. 1,268,032; May 28; v. 250; p. 963.
McGowan, Edward J., New York, N. Y. Ballot-box. No. 1,275,579; Aug. 13; v. 253; p. 371.
McGowan, George J., assignor to Grand Rapids Refrigerator Co., Grand Rapids, Mich. Door-latch. No. 1,275,954; Aug. 13; v. 253; p. 475.
McGowan, Henry S., McGowan, Wash. Rudder-controlled shield. No. 1,274,299; July 30; v. 252; p. 1108.
McGowan, Michael F., Bremerton, Wash. Game apparatus. No. 1,274,178; July 30; v. 252; p. 1075.
McGowan, Owen J., Brooklyn, N. Y. Device for suspending ships' boats from davits. No. 1,275,987; Aug. 13; v. 253; p. 486.
McGowan, Owen J., Brooklyn, N. Y. Chain. No. 1,280,507; Oct. 1; v. 255; p. 109.
McGrath, John T., Bloomington, Ill. Pneumatic tool. No. 1,264,318; Apr. 30; v. 249; p. 1043.
McGrath, Maurice K., assignor to Western Electric Company, Incorporated, New York, N. Y. Selector-switch. No. 1,251,795; Jan. 1; v. 246; p. 106.
McGrath, John F., Dorchester, Mass. Educational appliance. No. 1,275,955; Aug. 13; v. 253; p. 476.
McGrath, Raymond C., Okemah, Okla. Pressure-gage for air-pumps. No. 1,275,282; Aug. 13; v. 253; p. 289.
McGrath, Thomas, Providence, R. I. Marking device. No. 1,256,342; Feb. 12; v. 247; p. 400.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine-starter. No. 1,288,086; Dec. 17; v. 257; p. 536.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine-starter. No. 1,288,087; Dec. 17; v. 257; p. 536.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine-starter. No. 1,288,088; Dec. 17; v. 257; p. 537.
McGraw, Edwin, Milton, Ind. Detachable door extension. No. 1,253,618; Jan. 15; v. 246; p. 696.
McGraw, Frank J. (See Thompson and McGraw.)
McGreal, Hugh J., assignor of one-half to M. S. Sheridan, Milwaukee, Wis. Sound-reproducing machine. No. 1,277,096; Aug. 27; v. 253; p. 856.
McGregor, Allan L., Chicago, Ill. Automobile-bumper. No. 1,257,266; Feb. 19; v. 247; p. 706.
McGregor, Allan L., Chicago, Ill. Combined shock-absorber and bumper structure. No. 1,260,926; Mar. 26; v. 248; p. 960.
McGregor, Allan L., Chicago, Ill. Automobile-bumper. No. 1,268,590; June 4; v. 251; p. 148.
McGregor, Allan L., Chicago, Ill. Shock-absorber. No. 1,279,566; Sept. 24; v. 254; p. 683.
McGregor, Allan L., Chicago, Ill. Bumper structure. No. 1,284,119; Nov. 5; v. 256; p. 181.
McGregor, Alexander G., Warren, Ariz. Automobile-hood. (Reissue.) No. 14,559; Dec. 10; v. 257; p. 384.
McGregor, Charles, deceased, Derry; J. H. McGregor, administratrix, assignor of one-third to H. W. Blair, Manchester, and one-third to J. C. McGregor, Nashua, N. H. Air-motor. No. 1,281,618; Oct. 15; v. 255; p. 470.
McGregor, David R., Springfield, Ohio. Target apparatus. No. 1,260,691; Mar. 26; v. 248; p. 896.
McGregor, Henry A., and N. Ketcham, Bakersfield, Cal. Piston. No. 1,252,281; Jan. 1; v. 246; p. 243.
McGregor, Jennie H., administratrix. (See McGregor, Charles.)
McGregor, John, and A. Snedden, Coatbridge, Scotland. Multiple turning-lathe. No. 1,264,197; Apr. 30; v. 249; p. 1010.
McGregor, John C., *et al.* (See McGregor, Charles, assignor.)
McGregory, William W., Pasadena, Cal. Power fishing apparatus. No. 1,287,061; Dec. 10; v. 257; p. 250.
McGrew, Samuel F. (See Cochrane and McGrew.)

McGriff, John N., Anderson, Ind. Clothes-line support. No. 1,259,648; Mar. 19; v. 248; p. 558.
McGruer, Ewing, Jr., Braeside Clynder, Scotland. Hollow body. No. 1,266,696; May 21; v. 250; p. 563.
McGuckin, John J., Brooklyn, assignor to L. Schwab, New York, N. Y. Lamp-holder for bicycles. No. 1,267,570; May 28; v. 250; p. 833.
McGuffey, Edward C., Hettinger, N. D. Ratchet-wrench. No. 1,258,582; Mar. 5; v. 248; p. 185.
McGuiness, Benjamin F., Saundersville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-placer and thread-cutter for looms. No. 1,261,417; Apr. 2; v. 249; p. 121.
McGuiness, Benjamin F., Saundersville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom-shuttle. No. 1,268,136; June 4; v. 251; p. 19.
McGuire, George J., Minneapolis, Minn. Swing. No. 1,259,649; Mar. 19; v. 248; p. 559.
McGuire, J. Charles, *et al.* (See Duffy, Charles H., assignor.)
McGuire, Johnie A., Cushing, Tex. Track-gage. No. 1,282,897; Oct. 29; v. 255; p. 886.
McGuire, Thomas T., Columbus, Ohio. Adhesive-tape machine. No. 1,289,213; Dec. 31; v. 257; p. 862.
McGuirl, John J., Midland, Pa., assignor of one-half to O. P. Vigle, Youngstown, Ohio. Self-lubricating device. No. 1,257,721; Feb. 26; v. 247; p. 876.
McHam, John W., Paris, Tex. Farming implement. No. 1,287,374; Dec. 10; v. 257; p. 329.
McHarry, William, Colchester, England. Internal-combustion engine. No. 1,289,498; Dec. 31; v. 257; p. 933.
McHattan, Thaddeus G. (See Terwilliger, Frank L., assignor.)
McHenry, Charles C. (See Meredith, Holland, O'Brien, and McHenry.)
McHenry, Edwin H., New Haven, Conn. Accelerometer. No. 1,280,508; Oct. 1; v. 255; p. 109.
McHugh, Francis M. (See Griffin and McHugh.)
McHenry, Hugh. (See Metzler, John, assignor.)
McHenry, Hudson O., assignor of one-half to I. P. Merrill and M. Peters, Joplin, Mo. Toy. No. 1,282,016; Oct. 15; v. 255; p. 575.
McHill, William R., Moran, Kans. Oil-burner. No. 1,275,453; Aug. 13; v. 253; p. 336.
McHose, John V. (See Clayton, Ralph S., assignor.)
McIlwain, W. B. (See McConnell, George W., assignor.)
McInnis, Jesse, Castor, La. Fire-escape. No. 1,264,878; Apr. 30; v. 249; p. 1196.
McIntire, James E., Weymouth, assignor to P. R. Glass Company, Boston, Mass. Folding-machine. No. 1,263,449; Apr. 23; v. 249; p. 772.
McIntire, James E., Weymouth, assignor to P. R. Glass Company, Boston, Mass. Folding-machine. No. 1,278,490; Sept. 10; v. 254; p. 337.
McIntire, Richard E., Chicago, Ill., assignor to International Harvester Company of New Jersey. Rake. No. 1,278,181; Sept. 10; v. 254; p. 256.
McIntire, Richard E., Chicago, Ill., assignor to International Harvester Company of New Jersey, Mowing-machine. No. 1,278,182; Sept. 10; v. 254; p. 256.
McIntire, Stephen L., Springfield, Mo. Toy and manufacturing the same. No. 1,278,701; Sept. 10; v. 254; p. 397.
McIntosh, Burtnett, Brooklyn, N. Y., assignor to F. A. Hall, Montclair, N. J. Corner-lock for beds or the like. No. 1,265,798; May 14; v. 250; p. 283.
McIntosh, David W. (See Smith, Harry C., assignor.)
McIntosh, James, Norristown, assignor to Diamond State Fibre Company, Bridgeport, Pa. Insulating material and making the same. No. 1,267,883; May 28; v. 250; p. 923.
McIntosh, James, Norristown, assignor to Diamond State Fibre Company, Bridgeport, Pa. Indurated product. No. 1,269,292; June 11; v. 251; p. 363.
McIntosh, James A., assignor of one-half to J. G. Heal, Detroit, Mich. Fan construction. No. 1,260,562; Mar. 26; v. 248; p. 858.
McIntosh, John C., The Glen, by Paisley, Scotland. Valve-gear for internal-combustion engines. No. 1,258,583; Mar. 5; v. 248; p. 185.
McIntosh, Robert L., assignor to McCord and Company, Chicago, Ill. Force-feed lubricating system. No. 1,270,182; June 18; v. 251; p. 636.
McInturff, Ernest R., Bealeton, Va. Oscillating engine-valve. No. 1,274,300; July 30; v. 252; p. 1108.
McIntyre, Elmer E., Pittsburgh, Pa. Steering-knuckle for automobiles or motor-vehicles. No. 1,252,282; Jan. 1; v. 246; p. 243.
McIntyre, Isabella, Bryn Mawr, Pa. Bed. No. 1,259,650; Mar. 19; v. 248; p. 559.
McIntyre, James, Jersey City, N. J. Truss. No. 1,273,893; July 30; v. 252; p. 995.
McIntyre, John B., Cleveland, Ohio. Angle-clamp for curtain-stretchers. No. 1,288,632; Dec. 24; v. 257; p. 697.
McIntyre, John J., Hartford, and C. Koehler, Waterbury, Conn. Machine for gaging metal balls. No. 1,260,223; Mar. 19; v. 248; p. 724.
McIntyre, John W. (See Davis, Jesse W., assignor.)
McIntyre, Michael M., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Plate-bending machine. No. 1,251,678; Jan. 1; v. 246; p. 71.
McIntyre, Michael M., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Vehicle-spring. No. 1,286,690; Dec. 3; v. 257; p. 123.
McIntyre, Patrick J., Cranston, R. I. Automobile-protector. No. 1,285,290; Nov. 19; v. 256; p. 544.
McIntyre, William J., Hannah, N. D. Toothpick-dispensing device. No. 1,272,825; July 16; v. 252; p. 643.
McIver, Andrew J., Hosford, Fla. Railway-switch. No. 1,278,961; Sept. 17; v. 254; p. 497.
McIver, William K., assignor to The Van Sicklen Company, Elgin, Ill. Automatic lighting system. No. 1,288,947; Dec. 24; v. 257; p. 772.
McKam, Lawrence G., Detroit, Mich. Railway-crossing. No. 1,289,499; Dec. 31; v. 257; p. 933.
McKay Company, The. (See McKay, Stewart R., assignor.)
McKay, Retta L., Newburgh, N. Y. Renovator and dust-collector. No. 1,253,264; Jan. 15; v. 246; p. 593.
McKay, Frank, Clinton, Okla. Protective check. No. 1,288,089; Dec. 17; v. 257; p. 537.
McKay, Frank C. (See Diserens and McKay.)
McKay, Henry N., Oakland, Cal., assignor to The Wahl Company, Wilmington, Del. Total-proof device for adding mechanism. No. 1,274,729; Aug. 6; v. 253; p. 111.
McKay, Henry N., Oakland, Cal., assignor to The Wahl Company, Wilmington, Del. Lock-actuator for total-proof devices on computing-machines. No. 1,274,730; Aug. 6; v. 253; p. 111.
McKay, Henry N., Oakland, Cal., assignor to The Wahl Company, Wilmington, Del. Total-proof lock for computing type-writers. No. 1,274,731; Aug. 6; v. 253; p. 112.
McKay, James. (See Cameron and McKay.)
McKay, James H., Forest City, Iowa. Section-honey-box frame. No. 1,281,619; Oct. 15; v. 255; p. 470.
McKay, Stewart R., assignor to The McKay Company, Cleveland, Ohio. Demountable rim. No. 1,285,757; Nov. 26; v. 256; p. 701.
McKay, Stewart R., Cleveland Heights, assignor to The McKay Company, Cleveland, Ohio. Demountable rim. No. 1,289,500; Dec. 31; v. 257; p. 933.
McKay, Tessa, *et al.* (See Arbuthnot, George D., assignor.)
McKay, William F., La Grange, Ill. Making prepared roofing. No. 1,264,831; Apr. 30; v. 249; p. 1184.
McKean, Emroe A., assignor to McKean Turbine Company, Boston, Mass. Turbine. No. 1,289,214; Dec. 31; v. 257; p. 862.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Tension mechanism for winding-machines. No. 1,254,049; Jan. 22; v. 246; p. 838.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Tension device for winding-machines. No. 1,256,030; Feb. 12; v. 247; p. 305.
McKean Turbine Company. (See McKean, Emroe A., assignor.)
McKechnie, James, Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Injection of fuel in internal-combustion engines. No. 1,265,799; May 14; v. 250; p. 284.
McKee, Arthur G., Cleveland, Ohio. Water-sealed valve. No. 1,266,509; May 14; v. 250; p. 479.
McKee, Arthur G., Cleveland, Ohio. Coke-screen. No. 1,275,713; Aug. 13; v. 253; p. 408.
McKee, Arthur G., Cleveland, Ohio. Bell-operating mechanism for blast-furnaces. No. 1,288,948; Dec. 24; v. 257; p. 772.
McKee, Ben F., Arma, Kans. Producing gas. No. 1,282,445; Oct. 22; v. 255; p. 734.
McKee, Clark, Afton, Iowa. Door-fastener. No. 1,258,234; Mar. 5; v. 248; p. 82.
McKee Glass Company. (See Smith, Maurice A., assignor.)
McKee Glass Company. (See Wood, Arch K., assignor.)
McKee, Harold T., near McCloud, Cal. Milking-stool. No. 1,277,233; Aug. 27; v. 253; p. 893.
McKee, Harry W., Cincinnati, Ohio. Moving implement. No. 1,271,594; July 9; v. 252; p. 268.
McKee, Louis H., Trenton, N. J. School-desk. No. 1,261,574; Apr. 2; v. 249; p. 166.
McKee, Ralph H., Ridgefield Park, N. J. Producing 1:2:4 methyl-hydroxy-isopropyl benzene. No. 1,265,800; May 14; v. 250; p. 284.
McKee, Ralph H., Ridgefield Park, N. J. Obtaining alcohol from sulfite liquors. No. 1,273,392; July 23; v. 252; p. 822.
McKee, Ralph H., Ridgefield Park, N. J. Treating waste sulfite-cellulose liquors. No. 1,284,739; Nov. 12; v. 256; p. 366.
McKee, Ralph H., New York, N. Y. Treating waste sulfite-cellulose liquors. No. 1,284,740; Nov. 12; v. 256; p. 366.
McKee, Robert B., Des Moines, Iowa. Sanitary collapsible fruit-box. No. 1,251,796; Jan. 1; v. 246; p. 106.
McKee, Stephen L., Sioux Falls, S. D. Egg-tester. No. 1,260,783; Mar. 26; v. 248; p. 923.
McKee, Walter S., Chicago, Ill., assignor to American Manganese Steel Company, Augusta, Me. Mill-liner. No. 1,289,501; Dec. 31; v. 257; p. 934.
McKeever, Charles, Jersey City, N. J. Vehicle-lamp. No. 1,252,917; Jan. 8; v. 246; p. 458.
McKeever, Charles, Jersey City, N. J. Vehicle-lamp. No. 1,253,848; Jan. 15; v. 246; p. 763.

McKeever, Charles, Jersey City, N. J. Vehicle-lamp. No. 1,267,095; May 21; v. 250; p. 674.
McKeever, Charles, assignor of one-half to C. B. Mears, Jersey City, N. J. Vehicle-lamp. No. 1,267,884; May 28; v. 250; p. 923.
McKeith, Duncan A. (See Russell, Robert C., assignor.)
McKellar, Alexander, Greenock, Scotland. Finger-ring. No. 1,286,691; Dec. 3; v. 257; p. 123.
McKellar, Judson L., assignor to Gasau-Thompson Company, Inc., Brooklyn, N. Y. Bedstead. No. 1,259,254; Mar. 12; v. 248; p. 414.
McKellar, Judson L., assignor to Gasau-Thompson Company, Inc., Brooklyn, N. Y. Bedstead. No. 1,260,417; Mar. 26; v. 248; p. 815.
McKelvey, James G., Holmfield, Manitoba, Canada. Attachment to churns. No. 1,262,366; Apr. 9; v. 249; p. 417.
McKelvey, John H., Kirkwood, and C. F. Ryan, St. Louis, Mo. Apparatus for making plate-glass. No. 1,274,916; Aug. 6; v. 253; p. 164.
McKelvey, Newell A., Battle Creek, Mich., assignor to General Electric Company. Operating mechanism for electric controllers. No. 1,275,061; Aug. 6; v. 253; p. 205.
McKenna Brass and Manufacturing Company. (See Chappell, Thomas S., assignor.)
McKenna, John C., Oto, Iowa. Straw-rack. No. 1,277,618; Sept. 3; v. 254; p. 79.
McKenna, Lawrence, assignor to Carlton Mills Co., Philadelphia, Pa. Mold for shaping leggings. No. 1,257,903; Feb. 26; v. 247; p. 928.
McKenna, Michael H., Cleveland, Ohio. Machine for bending metal bars. No. 1,277,234; Aug. 27; v. 253; p. 893.
McKenna, Michael H., Cleveland, Ohio. Machine for bending metal bars. No. 1,277,235; Aug. 27; v. 253; p. 893.
McKenna, William F. (See Phillips and McKenna.)
McKenney, Allen S., administrator. (See McKenney, Franklin S.)
McKenney, Franklin S., deceased, Detroit, Mich.; A. S. McKenney, administrator. Safety-pin. No. 1,258,131; Mar. 5; v. 248; p. 53.
McKenney, John, Anaconda, Mont. Carbureter. No. 1,276,937; Aug. 27; v. 253; p. 813.
McKenney, Louis J. (See Reed, Fred R., assignor.)
McKenzie, Allen. (See Aldrich, Paul K., assignor.)
McKenzie, Archibald F., Whytewold, Manitoba, Canada. Saw-vise. No. 1,266,135; May 14; v. 250; p. 379.
McKenzie, George, Everett, Wash. Machine for molding sections of conduit-pipe. No. 1,254,615; Jan. 22; v. 246; p. 1001.
McKenzie, John L., Beech Grove, assignor to The M. T. R. Manufacturing Company, Indianapolis, Ind. Bearing-casing for valve-stems and similar movable parts. No. 1,268,591; June 4; v. 251; p. 148.
McKenzie, Norman J., Bisbee, Ariz. Drilling-bit. No. 1,277,970; Sept. 3; v. 254; p. 175.
McKeown, Samuel C., assignor to Splitdorf Electrical Company, Newark, N. J. Brush for electrical apparatus. No. 1,253,265; Jan. 15; v. 246; p. 593.
McKeown, Samuel C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition mechanism for internal-combustion engines. No. 1,262,534; Apr. 9; v. 249; p. 464.
McKeown, Samuel C., assignor to Splitdorf Electrical Company, Newark, N. J. Circuit-breaker. No. 1,287,718; Dec. 17; v. 257; p. 444.
McKeown, William C., Buffalo, N. Y. Downdraft heater or boiler. No. 1,280,788; Oct. 8; v. 255; p. 213.
McKerahan, George, Altoona, Pa. Cutting-tool. No. 1,267,782; May 28; v. 250; p. 892.
McKernan, Joseph M., assignor of one-half to D. M. Hutchinson, St. Louis, Mo. Spark-plug. No. 1,279,387; Sept. 17; v. 254; p. 611.
McKevitt, Frank B. (See Wood, William G., assignor.)
McKewen, Watson, Flint, Mich. Vehicle-top. No. 1,286,692; Dec. 3; v. 257; p. 123.
McKibben, Charles W., Houston, Tex. Apparatus for separating liquids. No. 1,276,386; Aug. 20; v. 253; p. 628.
McKibben, Charles W., Houston, Tex. Separating associated liquids. No. 1,276,387; Aug. 20; v. 253; p. 629.
McKibbin, John B., Crafton, assignor of one-half to E. J. Sugden, Pittsburgh, Pa. Continuous-sheet-rolling mill. No. 1,260,784; Mar. 26; v. 248; p. 923.
McKibbin, John B., Crafton, assignor of one-half to E. J. Sugden, Pittsburgh, Pa. Continuously rolling sheet metal. No. 1,281,039; Oct. 8; v. 255; p. 289.
McKiernan-Terry Drill Company. (See Sturtevant, Thomas E., assignor.)
McKinlay, Edward S., Oak Creek, Colo. Tunneling-machine. No. 1,284,398; Nov. 12; v. 256; p. 282.
McKinley, Charles W., assignor to The Willys-Overland Company, Toledo, Ohio. Shaft-bearing packing. No. 1,279,131; Sept. 17; v. 254; p. 540.
McKinney, Jacob D., Hemphill, Tex. Burial-casket. No. 1,260,927; Mar. 26; v. 248; p. 960.
McKinney, James L., St. Louis, Mo. Signal. No. 1,271,740; July 9; v. 252; p. 310.
McKinney, William C., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Manufacturing vitreous-enameled cast-metal apron bath-tubs. No. 1,282,255; Oct. 22; v. 255; p. 684.
McKinnon, Alexander W. (See Ross, Leo W., assignor.)
McKinnon, Allen, Holyoke, Mass. Truck. (Reissue.) No. 14,535; Oct. 15; v. 255; p. 578.
McKinnon Chain Co. (See Armstrong and Le Messurier, assignors.)
McKinnon, Lemuel, Ogden, Utah, assignor to Universal Airless Auto Tire Company, Butte, Mont. Tire. No. 1,258,347; Mar. 5; v. 248; p. 115.
McKinnon, Lemuel, Salt Lake City, Utah. Tire-filler. No. 1,265,466; May 7; v. 250; p. 163.
McKinnon, Thomas J., Livingston, Tex. Well-bucket. No. 1,259,759; Mar. 19; v. 248; p. 591.
McKinnon, William R., and C. H. Bergren, Minneapolis, Minn. Pedal-lock for automobiles. No. 1,261,828; Apr. 9; v. 249; p. 269.
McKinstry, Arthur L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,282,097; Oct. 22; v. 255; p. 639.
McKnight, Clarence D., San Francisco, Cal. Device for attaching plows to vehicles. No. 1,269,293; June 11; v. 251; p. 363.
McKnight, Robert, Sarnia, Ontario, Canada, and J. W. Berry, Marine City, Mich. Combined clock and electric switch. No. 1,289,502; Dec. 31; v. 257; p. 934.
McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,259,760; Mar. 19; v. 248; p. 591.
McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Grading-machine. No. 1,265,098; May 7; v. 250; p. 64.
McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Grading-machine. No. 1,265,099; May 7; v. 250; p. 64.
McLachlan, David L., Collingwood, Ontario, Canada. Manually-removable bottle-cap. No. 1,259,255; Mar. 12; v. 248; p. 415.
McLachlan, John C., Toronto, Ontario, Canada. Shell-turning machine. No. 1,252,129; Jan. 1; v. 246; p. 201.
McLachlan, John C., Toronto, Ontario, Canada. Producing cast shell-projectiles. No. 1,286,375; Dec. 3; v. 257; p. 47.
McLain, Albert L., Wetmore, Kans. Tire-chain tightener. No. 1,275,454; Aug. 13; v. 253; p. 337.
McLanahan, Austin. (See Potts, Louis M., assignor.)
McLane, John J., Boston, Mass. Demountable split-rim tool. No. 1,251,902; Jan. 1; v. 246; p. 137.
McLaren, Alexander, Dayton, Ohio. Package and dispensing-container for ice-cream cones, &c. No. 1,283,244; Oct. 29; v. 255; p. 980.
McLaren, James W., Columbus, Ohio. Motor-vehicle. No. 1,275,580; Aug. 13; v. 253; p. 371.
McLarty, William C., Round Hill, Alberta, Canada. Water-supply control. No. 1,287,062; Dec. 10; v. 257; p. 250.
McLaughlin, Amanda B., and W. R. Nicoll, assignors to Minnetonna Company, Owatonna, Minn. Combined churn and butter-worker. No. 1,263,332; Apr. 16; v. 249; p. 717.
McLaughlin, Andrew A. (See Mills and McLaughlin.)
McLaughlin, James E., and D. Bordeleau, Grand Mere, Quebec, Canada. Agricultural implement. No. 1,270,852; July 2; v. 252; p. 28.
McLaughlin, John C., East Orange, N. J. Universal golf-club. No. 1,253,700; Jan. 15; v. 246; p. 721.
McLaughlin, John F., Jamaica Plain, Mass. Making shoes. No. 1,252,283; Jan. 1; v. 246; p. 244.
McLaughlin, John R., Holbrook, assignor of one-half to G. E. Rollins, Brockton, Mass. Making shoes. No. 1,276,090; Aug. 20; v. 253; p. 545.
McLaughlin, Michael J., St. Louis, Mo. Ornamental plaque and making the same. No. 1,272,484; July 16; v. 252; p. 545.
McLaughlin, Milton P., Wakefield, assignor of one-third to F. F. Coggin, Malden, Mass. Flexible conduit. No. 1,285,291; Nov. 19; v. 256; p. 545.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Connecting device. No. 1,260,418; Mar. 26; v. 248; p. 815.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Fastening means. No. 1,263,086; Apr. 16; v. 249; p. 651.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Antiskidding device. No. 1,263,087; Apr. 16; v. 249; p. 651.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Fastening means. No. 1,276,786; Aug. 27; v. 253; p. 774.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Connecting device. No. 1,276,787; Aug. 27; v. 253; p. 774.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Fastening means. No. 1,276,788; Aug. 27; v. 253; p. 775.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Fastening means. No. 1,281,183; Oct. 8; v. 255; p. 321.

McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Bolt, screw, and the like. No. 1,281,986; Oct. 15; v. 255; p. 568.
McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Connecting device. No. 1,282,608; Oct. 22; v. 255; p. 778.
McLaughlin, William H., Hartford, Conn., and R. E. Babcock, Barcroft, Va., assignors to C. S. Chase, Hartford, Conn. Connecting device. No. 1,260,419; Mar. 26; v. 248; p. 815.
McLaughlin, William H., Hartford, Conn., and R. E. Babcock, Barcroft, Va., assignors to C. S. Chase, Hartford, Conn. Connecting device. No. 1,260,420; Mar. 26; v. 248; p. 815.
McLaughlin, William H., Hartford, Conn., and R. E. Babcock, Barcroft, Va., assignors to C. S. Chase, Hartford, Conn. Connecting device. No. 1,260,421; Mar. 26; v. 248; p. 816.
McLaughlin, William H., Hartford, Conn., and R. E. Babcock, Barcroft, Va., assignors to C. S. Chase, Hartford, Conn. Connecting device. No. 1,260,422; Mar. 26; v. 248; p. 816.
McLaughlin, William H., Hartford, Conn., and R. E. Babcock, Barcroft, Va., assignors to C. S. Chase, Hartford, Conn. Connecting device. No. 1,260,423; Mar. 26; v. 248; p. 816.
McLaughlin, William H., Hartford, Conn., and R. E. Babcock, Barcroft, Va., assignors to C. S. Chase, Hartford, Conn. Fastening means. No. 1,281,620; Oct. 15; v. 255; p. 471.
McLaughlin, William J., and W. R. Nicoll, assignors to Minnetonka Company, Owatonna, Minn. Agitator and ripener. No. 1,268,592; June 4; v. 251; p. 149.
McLaurin, William W., Brookfield, Mass. Manufacturing dextrin. No. 1,283,839; Nov. 5; v. 256; p. 106.
McLaurin, William W., Brookfield, Mass. Dextrin. No. 1,284,120; Nov. 5; v. 256; p. 181.
McLean, Frank W., Shreveport, La. Vehicle-spring. No. 1,263,782; Apr. 23; v. 249; p. 861.
McLean, Finis, Valley Junction, Iowa. Tie-plate. No. 1,276,938; Aug. 27; v. 253; p. 813.
McLean, George M. (See McLean, Malcolm M., assignor.)
McLean, Malcolm M., Salt Lake City, Utah, assignor to G. M. McLean. Vehicle-tire. No. 1,264,537; Apr. 30; v. 249; p. 1105.
McLean, Philip S., Bloomfield, N. J. Music-roll package. No. 1,277,098; Aug. 27; v. 253; p. 857.
McLean, William E. (See Coull and McLean.)
McLean, William J., Bellingham, Wash. Locomotive-throttle for superheating devices. No. 1,279,132; Sept. 17; v. 254; p. 540.
McLennan, Alexander, Campbellton, New Brunswick, Canada. Rossing-machine. No. 1,280,789; Oct. 8; v. 255; p. 214.
McLeod, Alexander, Portland, Oreg. Measuring device. No. 1,259,886; Mar. 19; v. 248; p. 628.
McLeod, Charles, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited. Spring-bearing for centrifugal separators. No. 1,283,840; Nov. 5; v. 256; p. 106.
McLeod, Donald, Lang Lang, Granbourne, Victoria, Australia. Barber's apron. No. 1,261,575; Apr. 2; v. 249; p. 166.
McLeod, Kenneth K., St. Paul, Minn. Teat-cup. No. 1,270,308; June 25; v. 251; p. 696.
McLeod, Malcolm J. (See Dolan, Halley C., assignor.)
McLeod, Malcolm J., *et al.* (See Miller, William G., assignor.)
McLeod, Neal T., Bowdon, Ga. Comb-cleaner. No. 1,278,962; Sept. 17; v. 254; p. 497.
McLeod, Nelson W., St. Louis, Mo. Making pneumatic tires. No. 1,266,967; May 21; v. 250; p. 638.
McLeskey, James M., Memphis, Tenn. Shade-hanger. No. 1,252,130; Jan. 1; v. 246; p. 201.
McLey, Lisander M., Trenton, Mo. Ironing-board. No. 1,260,274; Mar. 19; v. 248; p. 739.
McLin, Otto M., Bolivar, Mo. Railway electric signaling means. No. 1,260,224; Mar. 19; v. 248; p. 724.
McLoughlin Bros. (See Deats, William, assignor.)
McLoughlin Brothers. (See Henschel, Henry, assignor.)
McLouth, Lewis C., assignor to Michigan Crown Fender Company, Ypsilanti, Mich. Press. No. 1,258,424; Mar. 5; v. 248; p. 139.
McLucas, Earl R., North Yakima, Wash. Wheel-truing device. No. 1,272,976; July 16; v. 252; p. 685.
McMahon, James, Enderby, British Columbia, Canada. Nut-splitter. No. 1,285,292; Nov. 19; v. 256; p. 545.
McMahon, Thomas G., and G. E. Fritz, Chicago, Ill., assignors to Dental Improvement Company. Artificial-tooth anchor. No. 1,282,446; Oct. 22; v. 255; p. 735.
McMahon, Thomas G., and G. E. Fritz, Chicago, Ill., assignors to The Dentists' Supply Company. Curved pin for detachable crowns. No. 1,285,758; Nov. 26; v. 256; p. 701.
McMahon, William H., Bruce, S. D. Muffler. No. 1,272,485; July 16; v. 252; p. 545.
McMahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,274,733; Aug. 6; v. 253; p. 112.
McManaway, Clarence C., Cowden, Ill. Railway-crossing. No. 1,287,063; Dec. 10; v. 257; p. 251.
McManigal Grateless Furnace Company, The. (See McManigal, Robert D., assignor.) (Reissue.)
McManigal, Robert D., Logan, assignor to The McManigal Grateless Furnace Company, Columbus, Ohio. Draft-air-heating system for furnaces. (Reissue.) No. 14,480; June 4; v. 251; p. 211.
McManis, Charles E., Akron, Ohio. Coupling. No. 1,272,486; July 16; v. 252; p. 545.
McManis, John V. (See Albright, Chester W., assignor.)
McManis, John V., Dayton, Ohio. Operating-table. No. 1,286,184; Nov. 26; v. 256; p. 806.
McManis, John V., Dayton, Ohio, and W. L. Sherwood, Kirksville, Mo.; said Sherwood assignor to said McManis. Osteopathic table. No. 1,286,183; Nov. 26; v. 256; p. 806.
McMann, Frederick J., Marinette, Wis. Bookbinding. No. 1,280,790; Oct. 8; v. 255; p. 214.
McManus, Charles E., New York, N. Y. Machine for cutting disks. No. 1,259,887; Mar. 19; v. 248; p. 628.
McManus, Frank, assignor of one-half to J. W. Gardner, Norfolk, Va. Hasp or locking device. No. 1,284,399; Nov. 12; v. 256; p. 282.
McManus, Frank, assignor of one-half to J. W. Gardner, Norfolk, Va. Locking device for doors, gates, and the like. No. 1,284,741; Nov. 12; v. 256; p. 366.
McManus, Luis M., Houston, Tex., assignor of one-half to J. H. Warner, New York, N. Y. Machine-gun. No. 1,273,078; July 16; v. 252; p. 712.
McMaster, Albert L., Rochester, N. H. Charting and cutting upper-leathers. No. 1,264,670; Apr. 30; v. 249; p. 1142.
McMaster, Harry J., Sebring, Ohio. Drying-rack for pottery. No. 1,258,425; Mar. 5; v. 248; p. 140.
McMeans, Orange E., and C. A. Tripp, assignors to Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Mechanical movement. No. 1,271,917; July 9; v. 252; p. 358.
McMeekin, Norman A., Woodsville, N. H. Tool. No. 1,266,510; May 14; v. 250; p. 480.
McMeekin, Thomas J., Jacksonville, Fla., assignor to Carr Fastener Company, Cambridge, Mass. Curtain-fastener. (Reissue.) 14,581; Dec. 31; v. 257; p. 1062.
McMichael, Stillwell W. (See Young, Porus J., assignor.)
McMickle, Guy, French Lick, Ind. Apparatus for locating and raising sunken ships. No. 1,258,584; Mar. 5; v. 248; p. 186.
McMillan, Clara A., New York, N. Y. Crib attachment. No. 1,267,244; May 21; v. 250; p. 717.
McMillan, Eli W. F., Everett, Wash. Grate for furnaces. No. 1,262,221; Apr. 9; v. 249; p. 377.
McMillan, Ernest J., Moose Jaw, Saskatchewan, Canada. Attachment to furnaces. No. 1,259,761; Mar. 19; v. 248; p. 591.
McMillan, Frank, Glenellyn, assignor of nine-tenths to H. L. Replogle, Chicago, Ill. Moving-picture machine. No. 1,275,956; Aug. 13; v. 253; p. 476.
McMillan, Frank P., assignor to National Tube Company, Pittsburgh, Pa. Screw-threading apparatus. No. 1,265,467; May 7; v. 250; p. 163.
McMillan, John G., San Jose, Cal. Adjustable surveying-target. No. 1,272,069; July 9; v. 252; p. 403.
McMillan, Levi, Wilmington, N. C. Tread portion for shoes. No. 1,253,701; Jan. 15; v. 246; p. 721.
McMillan, Levi, Wilmington, N. C. Printing and addressing machine. No. 1,255,032; Jan. 29; v. 246; p. 1152.
McMillen, Volley V. (See Overtree and McMillen.)
McMillen, Walter B., and W. J. Bassett, San Francisco, Cal. Cheese-cutter. No. 1,264,106; Apr. 23; v. 249; p. 950.
McMillin, Oliver B., assignor, by mesne assignments, to Pittsburgh Rolls Corporation, Pittsburgh, Pa. Alloy of iron. No. 1,252,596; Jan. 8; v. 246; p. 368.
McMillion, Josiah B., Monmouth, Ill. Resilient wheel. No. 1,277,971; Sept. 3; v. 254; p. 175.
McMonegal, William F., Hazleton, Pa. Dipper for steam-shovels. No. 1,258,585; Mar. 5; v. 248; p. 186.
McMullen, Earl W., executor. (See McMullen, George B. and G. W.)
McMullen, Earle W., assignor to Simmons Company, Kenosha, Wis. Metal coating. No. 1,268,987; June 11; v. 251; p. 277.
McMullen, George B., Picton, Canada, and G. W. McMullen, deceased, Picton, Ontario, Canada, by George B. McMullen and E. W. McMullen, executors. Process of and apparatus for preserving and drying timber and other material. No. 1,277,619; Sept. 3; v. 254; p. 80.
McMullen, George W. (See McMullen, George B. and G. W.)
McMullen, James J., assignor to C. Smith, Buffalo, N. Y. Horseshoe. No. 1,280,791; Oct. 8; v. 255; p. 214.
McMullen, Vincent E., and W. E. Woodruff, assignors to The Hercules Gas Engine Company, Evansville, Ind. Internal-combustion engine. No. 1,268,593; June 4; v. 251; p. 149.
McMurray, Joseph J. (See Reinert and McMurray.)
McMurray, Thomas A., Enid, Okla. Type-writer attachment. No. 1,261,576; Apr. 2; v. 249; p. 166.
McMurtry, Earl V. (See McMurtry, Julian J. and E. V.)
McMurtry, Julian J. and E. V., San Francisco, Cal. Paper-box-taping machine. No. 1,274,065; July 30; v. 252; p. 1043.

Alphabetical list of patentees—Continued.

McMyers, Richard, Bridgeport, Conn. Stabilizer. No. 1,279,133; Sept. 17; v. 254; p. 540.
McMyler Interstate Company, The. (See Bogart, Henry W., assignor.)
McMyler Interstate Company, The. (See McMyler, John, assignor.)
McMyler Interstate Company, The. (See Titcomb, George E., assignor.)
McMyler, John, assignor to The McMyler Interstate Company, Cleveland, Ohio. Car-tilting apparatus. No. 1,253,068; Jan. 8; v. 246; p. 507.
McNabb, Alvin C., Dallas, assignor of one-half to C. L. Wakefield, Dallas county, Tex. Elevator signal system. No. 1,256,343; Feb. 12; v. 247; p. 400.
McNabb, Alvin C., Dallas, assignor of one-half to C. L. Wakefield, Dallas county, Tex. Elevator signal system. No. 1,274,301; July 30; v. 252; p. 1109.
McNabb, Floyd R., and R. M. Skinner, San Francisco, Cal. Alarm for combination-locks. No. 1,269,542; June 11; v. 251; p. 429.
McNair, James T. (See Orban and McNair.)
McNally, Hugh. (See Winder and McNally.)
McNally, Leo F., Brooklyn, N. Y., assignor to D. W. Pye, Red Bank, N. J. Trap-door for grade-level vestibule-cars. No. 1,275,714; Aug. 13; v. 253; p. 408.
McNally, Walter S. (See Pierson and McNally.)
McNamara, Albert. (See McNamara, James and A.)
McNamara, Edward M., Chicago, Ill. School desk and seat. No. 1,256,811; Feb. 19; v. 247; p. 572.
McNamara, James, Portland, and A. McNamara, Oswego, Oreg. Device for molding and launching vessels which are constructed of concrete, &c. No. 1,278,963; Sept. 17; v. 254; p. 497.
McNamee, Patrick H., St. Louis, Mo. Wall-safe. No. 1,261,046; Apr. 2; v. 249; p. 17.
McNaught, Harry W., Indianapolis, Ind. Display apparatus. No. 1,252,597; Jan. 8; v. 246; p. 368.
McNaught, Jacob C. (See Wilkinson and McNaught.)
McNeal, Charles A., Columbus, Ohio. Illuminated sign. No. 1,267,571; May 28; v. 250; p. 833.
McNeal, Joseph W., St. Paul, Minn. Check-row corn-planter. No. 1,286,044; Nov. 26; v. 256; p. 773.
McNee, Robert H., Nyssa, Oreg. Cutter-bar mechanism. No. 1,275,062; Aug. 6; v. 253; p. 205.
McNeight, Harry L., Fredonia, N. Y. War game. No. 1,281,040; Oct. 8; v. 255; p. 280.
McNeice, James D. B. (See Carter, Daniel, assignor.)
McNeice, James D. B., *et al.* (See Carter, Daniel, assignor.)
McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Throat-plate for sewing-machines. No. 1,263,088; Apr. 16; v. 249; p. 651.
McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Throat-plate for sewing-machines. No. 1,264,538; Apr. 30; v. 249; p. 1105.
McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Throat-plate for sewing-machines. No. 1,266,837; May 21; v. 250; p. 602.
McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Throat-plate for sewing-machines. No. 1,266,838; May 21; v. 250; p. 603.
McNeil, Chester M., assignor to Union Special Machine Company, Chicago, Ill. Body-encircling band. No. 1,280,509; Oct. 1; v. 255; p. 110.
McNeil, Daniel W., assignor to The John Douglas Company, Cincinnati, Ohio. Machine for molding ceramics. No. 1,253,405; Jan. 15; v. 246; p. 637.
McNeil, James W., Newark, N. J., assignor of one-half to J. W. Allison, Morrisburg, Ontario, Canada. Barrel. No. 1,262,222; Apr. 9; v. 249; p. 377.
McNeil, James W., Newark, N. J. Printing-press. No. and rail-fastener. No. 1,282,447; Oct. 22; v. 255; p. 735.
McNeil, John, assignor to The John Douglas Company, Cincinnati, Ohio. Drain-coupling for porcelain troughs. No. 1,253,406; Jan. 15; v. 246; p. 637.
McNeil, Joseph H. (See Nickerson, Alma N., assignor.)
McNeil, Joseph H., Saugus, Mass. Lining-cementing machine. No. 1,260,928; Mar. 26; v. 248; p. 961.
McNeil, Martin J. (See Frew and McNeil.)
McNeill, John D., Corning, and L. R. Brown, Lawrence, Kans. Draft device. No. 1,261,252; Apr. 2; v. 249; p. 73.
McNeill, Thomas W., assignor to Reid, Murdoch & Company, Chicago, Ill. Filling and weighing machine. No. 1,258,029; Mar. 5; v. 248; p. 24.
McNeir, Carlos A., Minneapolis, Minn. Water-heating device. No. 1,257,622; Feb. 26; v. 247; p. 846.
McNevin, Alfred D., Detroit, Mich. Compass-compensating device. No. 1,253,849; Jan. 15; v. 246; p. 763.
McNichol, Alpheus C., Nokomis, Saskatchewan, Canada. House-moving device. No. 1,261,142; Apr. 2; v. 249; p. 43.
McNicholas, John J., assignor to Notaseme Hosiery Company, Philadelphia. Picture-frame. No. 1,252,918; Jan. 8; v. 246; p. 459.
McNish, Thomas N., Kearney, N. J. Oil-can. No. 1,288,090; Dec. 17; v. 257; p. 537.
McNorton, William, Thompson Falls, Mont. Railway-tie 1,285,759; Nov. 26; v. 256; p. 702.
McNulty, Frank J., Lowell, Ariz. Resilient wheel. No. 1,277,330; Aug. 27; v. 253; p. 917.
McNulty, Frank J., Lowell, Ariz. Resilient wheel. No. 1,277,331; Aug. 27; v. 253; p. 917.
McNulty, John J. (See Gray and McNulty.)
McNutt Can Sales Co. (See McNutt, William H., assignor.)
McNutt, James D., Lees Summit, Mo. Irrigating system. No. 1,277,332; Aug. 27; v. 253; p. 917.
McNutt, William H., assignor to McNutt Can Sales Co., New York, N. Y. Safety-casing for oil or gas heaters. No. 1,255,033; Jan. 29; v. 246; p. 1152.
McNutt, William H., New York, N. Y. Receptacle. No. 1,277,099; Aug. 27; v. 253; p. 857.
McOmber, Pauline S., Hastings, Mich. Brassière. No. 1,267,432; May 28; v. 250; p. 795.
McOsker, Joseph D., Brighton, Mass. Necktie and collar. No. 1,276,668; Aug. 20; v. 253; p. 705.
McOuat, Elizabeth, New York, N. Y. Musical blocks. No. 1,284,400; Nov. 12; v. 256; p. 282.
McPartland, James H., Houlton, Me. Apparatus for raising sunken vessels. No. 1,259,762; Mar. 19; v. 248; p. 592.
McPhail, John C., South Weymouth, assignor to McPhail Player Manufacturing Company, Boston, Mass. Player-piano. No. 1,277,443; Sept. 3; v. 254; p. 31.
McPhail Player Manufacturing Company. (See McPhail, John C., assignor.)
McPhee, Clement S., Newton, Mass. Blacking and polishing appliance. No. 1,286,693; Dec. 3; v. 257; p. 123.
McPhee, Stuart. (See Isenor, Laurie, assignor.)
McPheeters, Edwin W., St. Louis, Mo. Automatic coin assorter and register. No. 1,288,091; Dec. 17; v. 257; p. 537.
McPherson, Elmer T., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Making shanks for boring-tools. No. 1,254,715; Jan. 29; v. 246; p. 1060.
McPherson, James L., Pittsburgh, Pa. Necktie holder and presser. No. 1,253,702; Jan. 15; v. 246; p. 721.
McQuarrie, James A., Joggin Mines, Nova Scotia, Canada. Combined coat and vest. No. 1,271,047; July 2; v. 252; p. 84.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical signaling system. No. 1,251,797; Jan. 1; v. 246; p. 107.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic selective switch. No. 1,251,988; Jan. 1; v. 246; p. 161.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric switch. No. 1,252,465; Jan. 8; v. 246; p. 330.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. No. 1,267,433; May 28; v. 250; p. 795.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,272,282; July 9; v. 252; p. 462.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Selector-switch. No. 1,279,893; Sept. 24; v. 254; p. 778.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Automatic switch. No. 1,284,742; Nov. 12; v. 256; p. 366.
McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,287,064; Dec. 10; v. 257; p. 251.
McQuarrie, James L., Montclair, N. J., and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone system. No. 1,252,466; Jan. 8; v. 246; p. 331.
McQuay-Norris Manufacturing Company. (See Mummert, Arden J., assignor.)
McQueen, Clarence A., Rushville, Mo., assignor of one-third to E. Kramer and one-third to H. Lange, Grant Park, Ill. Transplanter. No. 1,252,467; Jan. 8; v. 246; p. 331.
McQueen, Finlay R., Minneapolis, Minn. Back-stop for elevator-heads. No. 1,283,539; Nov. 5; v. 256; p. 27.
McQueen, Orvin E., Oakland, Ill. Self-soaping washboard. No. 1,267,245; May 21; v. 250; p. 717.
McQueen, Theodore G., Swan Creek, Ill. Hame connection. No. 1,260,225; Mar. 19; v. 248; p. 724.
McQueen, Ulysses G., New York, N. Y. Hinge. No. 1,255,100; Jan. 29; v. 246; p. 1171.
McQueen, William M., Priscilla, Miss. Spring-wheel. No. 1,261,253; Apr. 2; v. 249; p. 73.
McQueney, John, Manheim, Pa. Window-shade holder. No. 1,270,637; June 25; v. 251; p. 787.
McQuire, David F. and K. D., Hornchurch, England. Sound recording and reproducing machine. No. 1,254,330; Jan. 22; v. 247; p. 919.
McQuire, Kenneth D. (See McQuire, David F. and K. D.)
McRae, Finlay A., Montreal, Quebec, Canada. Dump-car. No. 1,274,732; Aug. 6; v. 253; p. 112.
McRae, John R., Buffalo, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,266,294; May 14; v. 250; p. 422.
McRoberts, George M., *et al.* (See Barton, Henry L., assignor.)

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McRoberts, James, assignor of one-third to A. W. McDonough, What Cheer, Iowa. Wire clothes-pin. No. 1,255,118; Jan. 29; v. 247; p. 1176.
McSweeney, George W., assignor of one-third to M. M. Heinlich and one-third to T. M. Brennan, New York, N. Y. Arch-supporter. No. 1,281,987; Oct. 15; v. 255; p. 568.
McTaggart, John A., Philadelphia, Pa. Mandrel for making inner tubes for pneumatic tires. No. 1,260,275; Mar. 19; v. 248; p. 739.
McTaggart, Malcolm. (See Papini, Anthony, assignor.)
McTavish, Harry, Eldon, Prince Edward Island, Canada. Folding egg-crate. No. 1,288,434; Dec. 17; v. 257; p. 618.
McVeigh, John, and S. McCurdy, Londonderry, Ireland. Garment-pocket. No. 1,271,341; July 2; v. 252; p. 165.
McVicar, Robert. (See Buckland and McVicar.)
McVicker, Edgar E., Omaha, Nebr. Slide-pocket film-case. No. 1,262,965; Apr. 16; v. 249; p. 615.
McVicker, Emery M., Milwaukee, Wis. Railway-tie plate and rail-fastening. No. 1,260,563; Mar. 26; v. 248; p. 858.
McVicker, Emery M., Milwaukee, Wis. Railway-tie plate and rail-fastening. No. 1,261,577; Apr. 2; v. 249; p. 166.
McVicker, George W. (See Rolaff, Walter G. E., assignor.)
McVittie, Henry, Bend, Oreg. Transom-operator. No. 1,280,510; Oct. 1; v. 255; p. 110.
McWane, James R., Birmingham, Ala. Pipe-joint and filler therefor. No. 1,258,798; Mar. 12; v. 248; p. 285.
McWane, James R., Birmingham, Ala. Joint for cast iron pipe. No. 1,261,254; Apr. 2; v. 249; p. 73.
McWane, James R., Birmingham, Ala. Cast-iron pipe. No. 1,264,198; Apr. 30; v. 249; p. 1010.
McWane, James R., Birmingham, Ala. Pipe-joint. No. 1,270,309; June 25; v. 251; p. 696.
McWane, James R., Birmingham, Ala. Pipe-joint. No. 1,288,092; Dec. 17; v. 257; p. 538.
McWherter, Walter G., *et al.* (See Biggers, Lee P., assignor.)
McWhorter, Allen, Riverton, N. J., assignor to McWhorter Manufacturing Company. Potato-planter. No. 1,287,601; Dec. 10; v. 257; p. 383.
McWhorter Manufacturing Company. (See McWhorter, Allen, assignor.)
McWhorter, Milton, Playas, N. Mex. Apparatus for compressing elastic fluids. No. 1,270,310; June 25; v. 251; p. 697.
McWilliams, Arthur C., Chicago, Ill. Lighting-fixture. No. 1,287,375; Dec. 10; v. 257; p. 330.
McWilliams, Lulie C., Jacksonville, Tex. Go-cart attachment. No. 1,261,143; Apr. 2; v. 249; p. 43.
Meacham, Aldah R., Oklahoma, Okla. Housing for electric apparatus. No. 1,257,375; Feb. 26; v. 247; p. 772.
Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Thermo-controlled gas-oven. No. 1,273,644; July 23; v. 252; p. 890.
Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Thermostatic fuel-regulating device for gas-ovens. No. 1,285,300; Nov. 19; v. 256; p. 547.
Meacham, John H., Rochester, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-support. No. 1,253,624; Jan. 15; v. 246; p. 698.
Mead, Albert R., Ardmore, Okla. Pressure or float operated circuit-controller. No. 1,277,625; Sept. 3; v. 254; p. 81.
Mead, Carl F., and L. E. Richmond, assignors to The Mead Electric Signal Company, Cleveland, Ohio. Alarm system. No. 1,260,930; Mar. 26; v. 248; p. 961.
Mead Cycle Company. (See Lewis, George S., assignor.)
Mead Electric Signal Company, The. (See Mead and Richmond, assignors.)
Mead Electric Signal Company, The. (See Richmond, Louis E., assignor.)
Mead, Ezra B., assignor to Ottumwa Iron Works, Ottumwa, Iowa. Wheel. No. 1,281,188; Oct. 8; v. 255; p. 322.
Mead, Ezra B., assignor to Ottumwa Iron Works, Ottumwa, Iowa. Wheel. No. 1,286,893; Dec. 3; v. 257; p. 168.
Mead, Francis. (See Duffies and Mead.)
Mead, Frank M., Boylston, assignor of one-half to H. A. Fowler, Worcester, Mass. Coin-holder. No. 1,274,739; Aug. 6; v. 253; p. 114.
Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Connecting stud and bond terminal. No. 1,286,381; Dec. 3; v. 257; p. 49.
Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Making joints. No. 1,286,382; Dec. 3; v. 257; p. 49.
Mead, Harry, Oakland, Cal. Pump. No. 1,262,079; Apr. 9; v. 249; p. 336.
Mead, Winthrop L., South Orange, N. J. Machine-element key and the like. No. 1,262,370; Apr. 9; v. 249; p. 418.
Meade, Edgar D., Olean, and H. F. Younglove, Buffalo, N. Y. Device for converting motion. No. 1,265,936; May 14; v. 250; p. 323.
Meade, George, Alliance, Nebr. Rail-brace. No. 1,257,511; Feb. 26; v. 247; p. 813.
Meader Engineering and Machine Company. (See Montferrand, Arthur R., assignor.)
Meadoff, Abraham S., New York, N. Y. Metallic spring-mattress. No. 1,261,259; Apr. 2; v. 249; p. 75.
Meadoff, Abraham S., assignor to Suspension Bed Spring Manufacturing Company, New York, N. Y. Bed and couch spring. No. 1,261,258; Apr. 2; v. 249; p. 75.
Meador, Joseph G., Jr. (See Shaw and Meador.)
Meadow, Clifford R., Altoona, Ala. Cover. No. 1,263,452; Apr. 23; v. 249; p. 773.
Meadowcroft, Charles W., Sr., assignor to Miller Lock Company, Philadelphia, Pa. Key-bearing for locks. No. 1,286,704; Dec. 3; v. 257; p. 126.
Meadows, Thomas C., assignor to Kaolin Products Corporation, New York, N. Y. Producing fertilizer materials. No. 1,276,555; Aug. 20; v. 253; p. 674.
Meadows, William H., Byers, Tex. Cultivator attachment. No. 1,281,989; Oct. 15; v. 255; p. 569.
Meagher, Marion T., New York, N. Y. Foldable washboard. No. 1,257,626; Feb. 26; v. 247; p. 847.
Meakin, Edgar T., Berkeley, Cal. Non-skidding device. No. 1,277,333; Aug. 27; v. 253; p. 918.
Meara, Joseph, Trenton, N. J. Spark-plug. No. 1,264,836; Apr. 30; v. 249; p. 1185.
Meares, William D., Christchurch, New Zealand. Means for facilitating the pouring of liquid contents from cans, tins, and the like. No. 1,261,260; Apr. 2; v. 249; p. 76.
Mears, Clem B. (See McKeever, Charles, assignor.)
Mears, George W., Brooklyn, N. Y. Slidable hanger. No. 1,259,261; Mar. 12; v. 248; p. 416.
Mears, Lloyd C., Locustville, Va. Hame-tug. No. 1,264,540; Apr. 30; v. 249; p. 1105.
Mears, William, Cleveland, Ohio. Vending-machine. No. 1,287,726; Dec. 17; v. 257; p. 447.
Measuregraph Company. (See Hosch, Walter E., assignor.)
Meatyard, Richard E., North Battleford, Saskatchewan, Canada. Iceless milk-cooler. No. 1,256,583; Feb. 19; v. 247; p. 506.
Mechanical Development Company of Missouri. (See Mapel, Lewis A., assignor.)
Mechanical Efficiency Company, The. (See Bigelow, Cadden, and Rehak, assignors.)
Mechanical Rubber Company, The. (See Beynon, Rees, assignor.)
Mechano Gear Shift Co. (See Richardson, Bayard E., assignor.)
Meckstroth, Louis W., Chicago, Ill. Envelop. No. 1,289,858; Dec. 31; v. 257; p. 1021.
Medley, William W., Terre Haute, Ind. Cream-extractor. No. 1,263,453; Apr. 23; v. 249; p. 773.
Medley, William W., Terre Haute, Ind. Match striking and shielding device. No. 1,267,437; May 28; v. 250; p. 797.
Medlock, Walter M. (See Herzog and Medlock.)
Medynski, Fred V., Medford, Oreg. Steering mechanism for vessels. No. 1,288,106; Dec. 17; v. 257; p. 542.
Meek, John J. (See Miller, Larkin J., assignor.)
Meeker, Charles C., assignor to Bliss & Drake, Newark, N. J. Sad-iron. No. 1,263,916; Apr. 23; v. 249; p. 900.
Meeker, Herbert D., Niskayuna, N. Y., assignor to General Electric Company. Electric coupling. No. 1,267,247; May 21; v. 250; p. 717.
Meeker, Mary A., Winchester, Mass. Hoop. No. 1,266,699; May 21; v. 250; p. 564.
Meeker, Sidney, Memphis, Tenn. Holder for surgical needles. No. 1,261,586; Apr. 2; v. 249; p. 168.
Meekins, Jeremiah M., assignor of one-half to W. H. Gahan, Baltimore, Md. Twin-signal electric lamp. No. 1,277,983; Sept. 3; v. 254; p. 179.
Meem, James C., assignor of one-half to F. L. Cranford, Brooklyn, N. Y. Sectional sheathing. No. 1,282,904; Oct. 29; v. 255; p. 888.
Meengs, Henry J., Vriesland, Mich. Air-supply tank. No. 1,254,921; Jan. 29; v. 246; p. 1123.
Meer, Gustav ter, Hanover, Germany. Mechanism for controlling the operation of machines and apparatus. No. 1,284,125; Nov. 5; v. 256; p. 182.
Meese, Louis F. W., Minneapolis, Minn. Advertising-displaying machine. No. 1,251,555; Jan. 1; v. 246; p. 32.
Megenity, Ralph A., Kansas City, Mo. Concrete construction. No. 1,280,516; Oct. 1; v. 255; p. 112.
Megenity, Ralph A., Kansas City, Mo. Wall-stud. No. 1,285,768; Nov. 26; v. 256; p. 704.
Megosin Company. (See Menden, William S., assignor.)
Megow, Charles F., Detroit, Mich. Tractor. No. 1,272,491; July 16; v. 252; p. 547.
Megow, Robert, Minneapolis, Minn. Heel and shank support. No. 1,273,080; July 16; v. 252; p. 713.
Megurowsky, Max, New York, N. Y. Expansion-bracelet. No. 1,259,544; Mar. 19; v. 248; p. 530.
Mehan, John E., Jr., Virginia, Minn. Separable interfitting pincers. No. 1,281,990; Oct. 15; v. 255; p. 569.
Meharry, Robert E., Colfax, Ill. Corn-harvester. No. 1,256,347; Feb. 12; v. 247; p. 402.
Mehlberger, Louis, Easton, Pa. Fertilizer-distributer and planter. No. 1,262,685; Apr. 16; v. 249; p. 536.
Mehlfelder, Anton, New York, N. Y. Motion-picture machine. No. 1,258,352; Mar. 5; v. 248; p. 116.

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Mehlhorn, Charles, Philadelphia, Pa. Roadway. No. 1,271,921; July 9; v. 252; p. 359.
Mehren, Jacob F., Chicago, Ill. Signal-box. No. 1,264,671; Apr. 30; v. 249; p. 1142.
Mehren, Martin V., Chicago, Ill., assignor to Stronghart Company, Chicago, Ill. Pocket savings-bank. No. 1,280,517; Oct. 1; v. 255; p. 112.
Mehring, Frank L., Charlottesville, Va. Barrel-head press. No. 1,263,786; Apr. 23; v. 249; p. 862.
Mehtälä, Antti, Detroit, Mich. Railway-coupling. No. 1,263,584; Apr. 23; v. 249; p. 809.
Meier, Arthur E., Chicago, Ill. Ball. No. 1,263,585; Apr. 23; v. 249; p. 809.
Meier, August, Schmargendorf, and H. Rall, Karlshorst, near Berlin, assignors to Gesellschaft für Verwertung Chemischer Produkts m. b. H. Berlin, Germany. Manufacturing a substitute for leather. No. 1,287,387; Dec. 10; v. 257; p. 332.
Meier, Edward C., Phoenixville, Pa. Baffle construction for boilers. No. 1,259,654; Mar. 19; v. 248; p. 560.
Meier, Edward C., Phoenixville, Pa. Baffle construction for boilers. No. 1,260,426; Mar. 26; v. 248; p. 817.
Meier, Edward C., Phoenixville, Pa. Boiler. No. 1,263,586; Apr. 23; v. 249; p. 809.
Meier, Edward C., Phoenixville, Pa. Boiler construction. No. 1,271,598; July 9; v. 252; p. 269.
Meier, Edward C., Phoenixville, Pa. Superheater construction for boilers. No. 1,274,740; Aug. 6; v. 253; p. 114.
Meier, Erling, Christiania, Norway. Roller-bearing. No. 1,263,454; Apr. 23; v. 249; p. 774.
Meier, Fred F., Stanford, Mont. Package-tie. No. 1,283,252; Oct. 29; v. 255; p. 982.
Meier, Fredrick H., Marshalltown, Iowa. Sectional-block tile. No. 1,252,012; Jan. 1; v. 246; p. 168.
Meier, Henry J., New York, N. Y. Writing implement. No. 1,274,303; July 30; v. 252; p. 1110.
Meier, Louis A., Devils Lake, N. D. Nut-lock. No. 1,264,672; Apr. 30; v. 249; p. 1142.
Meier, William, Jersey City, N. J. Feed-bag support. No. 1,252,602; Jan. 8; v. 246; p. 370.
Meigs, Charles H., Philadelphia, Pa., assignor to MacAndrews and Forbes Company, Camden, N. J. Fire-extinguishing apparatus. No. 1,260,231; Mar. 19; v. 248; p. 726.
Meigs, Charles H., Philadelphia, Pa., assignor to MacAndrews & Forbes Company, Camden, N. J. Fire-extinguishing apparatus. No. 1,282,905; Oct. 29; v. 255; p. 888.
Meigs, Charles H., Philadelphia, Pa., assignor to MacAndrews & Forbes Company, Camden, N. J. Fire-extinguishing apparatus. No. 1,287,388; Dec. 10; v. 257; p. 332.
Meigs, Charles H., Philadelphia, Pa., and F. A. Epps, New York, N. Y., assignors to MacAndrews & Forbes Company, Camden, N. J. Fire-extinguishing system. No. 1,261,422; Apr. 2; v. 249; p. 122.
Meigs, Curtis C., assignor to Electro-Chemical Supply & Engineering Company, Philadelphia, Pa. Manufacture of acid and waterproof cement. No. 1,252,013; Jan. 1; v. 246; p. 168.
Meikle, George S., Schenectady, N. Y., assignor to General Electric Company. Rectifier. No. 1,266,517; May 14; v. 250; p. 482.
Meikle, George S., Schenectady, N. Y., assignor to General Electric Company. Incandescent-cathode device. No. 1,267,888; May 28; v. 250; p. 924.
Meile, John, East St. Louis, Ill. Vehicle-signal. No. 1,268,749; June 4; v. 251; p. 191.
Meili, Otto, and P. Blumberg, New Holstein, Wis. Feed-cutter. No. 1,255,623; Feb. 5; v. 247; p. 147.
Mein, Harry P., Flushing, N. Y. Brassière. No. 1,255,768; Feb. 5; v. 247; p. 190.
Meindel, Paul, Brooklyn, N. Y. Freight-car. No. 1,259,426; Mar. 12; v. 248; p. 465.
Meinzolt, Carl C., Paddington, New South Wales, Australia. Tuning device for pianos. No. 1,257,512; Feb. 26; v. 247; p. 813.
Meiro, Adam, Moscow, Russia. Spring-motor. No. 1,259,262; Mar. 12; v. 248; p. 417.
Meis, Ernst, Peru, Ill. Vehicle. No. 1,270,312; June 25; v. 251; p. 698.
Meiselbach, August D., Chicago, Ill. Vehicle-support. No. 1,252,135; Jan. 1; v. 246; p. 203.
Meissner, Alexander. (See Arco and Meissner.)
Meissner, George R., Albia, assignor to L. R. West, Osceola, Iowa. Cigar-holder. No. 1,252,357; Jan. 1; v. 246; p. 263.
Meissner, George R., Albia, Iowa. Spark-plug intensifier. No. 1,259,893; Mar. 19; v. 248; p. 630.
Meister, Alfred A., J. W. Surles, and E. F. Boyle, Houston, Tex. Locomotive drifting-valve. No. 1,253,074; Jan. 8; v. 246; p. 508.
Meitner, Rudolph J., assignor of one-half to A. W. Robertson, Dodge City, Kans. Hand-oiler. No. 1,284,408; Nov. 12; v. 256; p. 284.
Meixell Company, The. (See Coombs, Carl B., assignor.)
Melander, August W., San Francisco, Cal., assignor to Fountain Faucet Company. Fountain-faucet. No. 1,260,232; Mar. 19; v. 248; p. 726.
Melander, August W., San Francisco, Cal., assignor to Fountain Faucet Company. Filter for sanitary faucet drinking-fountains. No. 1,260,233; Mar. 19; v. 248; p. 726.
Melander, August W., San Francisco, Cal., assignor to Fountain Faucet Company. Valve. No. 1,276,673; Aug. 20; v. 253; p. 707.
Melander, August W., Duluth, Minn., assignor to The Everslide Tie Company, Chicago, Ill. Necktie. No. 1,282,449; Oct. 22; v. 255; p. 735.
Melburg, Joseph M., Polo, Ill. Outdoor couch. No. 1,279,395; Sept. 17; v. 254; p. 613.
Melcher, George S., Sharon, Mass., assignor to Mason Regulator Company. Pressure-regulator. No. 1,265,937; May 14; v. 250; p. 323.
Melcher, George S., Sharon, assignor to C. W. McConnel, Boston, E. Macleod, Westwood, and F. B. Look, Northampton, Mass., trustees. Valve. No. 1,285,769; Nov. 26; v. 256; p. 704.
Melcher, Irving, Minneapolis, Minn. Grain-tight closure for box-cars. No. 1,252,603; Jan. 8; v. 246; p. 370.
Melcher, Lee W., assignor to La Crosse Tractor Co., La Crosse, Wis. Roller-pinion. No. 1,289,508; Dec. 31; v. 257; p. 935.
Melchior, Felix M. A. A., assignor to Société Anonyme des Combustibles Industriels, Paris, France. Apparatus for treating or distilling hydrocarbons or liquids likely to form emulsions. No. 1,253,411; Jan. 15; v. 246; p. 638.
Melde, Friedrich W., Norfolk, Va., assignor to The Meldetile Corporation. Roofing-tile. No. 1,266,137; May 14; v. 250; p. 379.
Meldetile Corporation, The. (See Melde, Friedrich W., assignor.)
Meletti, Adolph, Beverly, assignor of one-fourth to H. Walter, and one-fourth to A. L. Pancoast, Riverside, N. J. Resilient wheel. No. 1,277,984; Sept. 3; v. 254; p. 179.
Meledonian, Sarkis, Detroit, Mich. Water-heater for gas-ranges. No. 1,266,608; May 21; v. 250; p. 539.
Melhuish, William J., Upper Parkstone, borough of Poole, England. Milklike food for the feeding of agricultural stock. No. 1,265,227; May 7; v. 250; p. 98.
Melhus, Mons O., Hollister, Cal. Swimming appliance. No. 1,260,931; Mar. 26; v. 248; p. 961.
Melia, Martin. (See Whitney and Melia.)
Melia, Martin, assignor to Commercial Truck Company of America, Philadelphia, Pa. Battery-element puller. No. 1,284,409; Nov. 12; v 256; p. 285.
Melia, Martin, assignor to Commercial Truck Company of America, Philadelphia, Pa. Battery-cover-removing device. No. 1,284,410; Nov. 12; v. 256; p. 285.
Melick, Walter L., Columbus, Ohio. Making sodium aluminate. No. 1,271,192; July 2; v. 252; p. 124.
Mellien, Ernest W., Rogerson, Idaho. Comb-cleaner. No. 1,274,573; Aug. 6; v. 253; p. 66.
Mellin, Carl J., Schenectady, assignor to American Locomotive Company, New York, N. Y. Steam-engine valve-chest. No. 1,275,963; Aug. 13; v. 253; p. 477.
Mellin, Gustaf A. E., Los Angeles, Cal. Gear-shifting lever. No. 1,256,244; Feb. 12; v. 247; p. 371.
Mellin, Gustaf A. E., Los Angeles, Cal. Adjustable gear-shift lever for automobiles and the like. No. 1,283,852; Nov. 5; v. 256; p. 109.
Melling, Herman W., Jackson, Mich. Demountable rim. No. 1,252,470; Jan. 8; v. 246; p. 332.
Mellinger, Edward A., assignor to Automatic Electric Company, Chicago, Ill. Telephone-exchange trunking system. No. 1,265,228; May 7; v. 250; p. 98.
Mellon, R. B. (See Strong and Nesbit, assignors.)
Mellonis, Constantine G. E., Buffalo, N. Y. Transmission mechanism. No. 1,264,319; Apr. 30; v. 249; p. 1043.
Mellor, Charles F., and A. G. Hanson, Represa, Cal. Check-protector. No. 1,261,587; Apr. 2; v. 249; p. 169.
Mellor, John, Jersey City, N. J. Insulator-cover. No. 1,264,418; Apr. 30; v. 249; p. 1071.
Mellor, Sidney L., Chicago, Ill. Washing-machine. No. 1,280,061; Sept. 24; v. 254; p. 824.
Mellor, William, Sebring, Ohio. Porcelain-kiln. No. 1,275,285; Aug. 13; v. 253; p. 290.
Mellott, Norris O., Harper, Cal. Fumigating device. No. 1,287,389; Dec. 10; v. 257; p. 333.
Mellowes, Alfred W. (See Bechtold and Mellowes.)
Melniker, Abraham, Brooklyn, N. Y. Collapsible cradle. No. 1,252,824; Jan. 8; v. 246; p. 433.
Melnizek, Matijas, Charleston, W. Va. Railway-rail joint. No. 1,280,796; Oct. 8; v. 255; p. 216.
Melson, John T., assignor of one-eighth to W. E. Valiant, one-eighth to A. H. Phillips, and one-eighth to W. P. Ellis, Laurel, Del. Package-tie. No. 1,275,169; Aug. 6; v. 253; p. 233.
Melton, Lloyd L., assignor to Dearborn Truck Co., Chicago, Ill. Motor-vehicle. No. 1,268,261; June 4; v. 251; p. 53.
Melton, Lloyd L., and H. R. Whomes, assignors to Dearborn Truck Company, Chicago, Ill. Motor-vehicle. No. 1,271,053; July 2; v. 252; p. 85.
Melton, William, Jr., Neola, Iowa. Air-inlet device. No. 1,253,266; Jan. 15; v. 246; p. 593.
Melville Clark Piano Company. (See Burton, Charles S., assignor.)
Melville Clark Piano Company. (See Clark, Melville, assignor.)
Melville, Patrick H., St. Louis, Mo. Check system for freight-handling. No. 1,278,972; Sept. 17; v. 254; p. 499.
Melville, Thomas A., Fargo, N. D. Safety-latch for elevator-doors. No. 1,256,348; Feb. 12; v. 247; p. 402.

Melvin, Charles H., and J. P. Seaholm, assignors to Deere and Company, Moline, Ill. Rolling colter and jointer. No. 1,273,898; July 30; v. 252; p. 997.
Melvin, Charles P., assignor to The Melvin-Lloyd Company, Youngstown, Ohio. Molding-machine. No. 1,285,302; Nov. 19; v. 256; p. 547.
Melvin, Henry C., Coarsegold, Cal. Internal-combustion engine. No. 1,257,958; Feb. 26; v. 247; p. 943.
Melvin-Lloyd Company, The. (See Melvin, Charles P., assignor.)
Melvin, Nicholas R., Mount Vernon, N. Y. Reinforced-concrete crib. No. 1,262,224; Apr. 9; v. 249; p. 378.
Memminger, H. E., *et al.* (See Long, Grover C., assignor.)
Ménard, Hubert C., St. Maurice, France. Transmission mechanism. No. 1,268,750; June 4; v. 251; p. 192.
Menard, Telesphore, Bozeman, Mont. Automobile-pedal lock. No. 1,257,723; Feb. 26; v. 247; p. 877.
Menasco, Charles J., assignor of one-half to H. A. Moseley, Birmingham, Ala. Internal-combustion engine. No. 1,270,481; June 25; v. 251; p. 745.
Menco-Elma Syndicate Limited, The. (See Pollard, George, assignor.)
Mench, John L., assignor to Duffy-Powers Company, Inc., Rochester, N. Y. Tag and holder. No. 1,276,244; Aug. 20; v. 253; p. 587.
Mendeck, Fred C., Haskell, Tex. Ticket-distributer. No. 1,275,717; Aug. 13; v. 253; p. 410.
Mendelsohn, Harry, New York, N. Y. Attachment for sewing-machines. No. 1,277,101; Aug. 27; v. 253; p. 858.
Menden, William S., Brooklyn, N. Y., assignor to Megosin Company, Inc. Automatic device for controlling the signal-lights of vehicles. No. 1,252,825; Jan. 8; v. 246; p. 433.
Mendenhall, Albert, Oskaloosa, Iowa. Can-opening device. No. 1,271,922; July 9; v. 252; p. 359.
Mendenhall, John J., Raiford, Fla. Heat-insulating container. No. 1,269,197; June 11; v. 251; p. 335.
Meneely, Samuel J., Newburgh, N. Y. Valve mechanism for internal-combustion engines. No. 1,288,954; Dec. 24; v. 257; p. 774.
Menendez, Manuel V., Camaguay, Cuba. Dispensing sugar-bowl. No. 1,281,991; Oct. 15; v. 255; p. 569.
Menge, Anton C., and W. H. Pipes, Myrtlegrove, La. Boiler-flue cutter. No. 1,271,345; July 2; v. 252; p. 167.
Menge, Louis, East Orange, N. J. Sound-box. No. 1,264,201; Apr. 30; v. 249; p. 1011.
Mengedoht, Carl H., Seattle, Wash. Door-opener. No. 1,269,545; June 11; v. 251; p. 430.
Mengel Box Company. (See Moore, John A., assignor.)
Mengel Box Company. (See Schleicher, Robert, assignor.)
Menges, Albert C., Memphis Tenn. Self-grinding and equalizing valve for explosive-engines. No. 1,258,353; Mar. 5; v. 248; p. 116.
Menges, Theodore C., assignor to Associated Manufacturers Company, Waterloo, Iowa. Governor-adjusting means for explosive-engines. No. 1,285,770; Nov. 26; v. 256; p. 705.
Menhall, James W., and C. G. Clement, assignors to Highway Trailer Company, Edgerton, Wis. Fifth-wheel for trailers or the like. No. 1,261,261; Apr. 2; v. 249; p. 76.
Menhall, James W., and C. G. Clement, assignors to Highway Trailer Company, Edgerton, Wis. Tractor-trailer coupling. No. 1,281,049; Oct. 8; v. 255; p. 283.
Menier, Gaston, Paris, France. Automatic lubricating device for locks and bolts. No. 1,265,351; May 7; v. 250; p. 131.
Menist, Jacob. (See Stokes and Menist.)
Menkin, Max, New York, N. Y. Button-making die. No. 1,256,584; Feb. 19; v. 247; p. 506.
Menkus, Morris, San Francisco, Cal. Toy. No 1,284,917; Nov. 12; v. 256; p. 412.
Mennie, Robert S., Chicago, Ill. Stay-bolt. No. 1,288,955; Dec. 24; v. 257; p. 774.
Mennie, Robert S., and E. Wanamaker, assignors of one-third to W. J. Tollerton, Chicago, Ill. Lubricating system for journal-boxes. No. 1,254,424; Jan. 22; v. 246; p. 946.
Mennier, Alfred J. (See Russell, Lesher, and Meunier.)
Menns, Walter K., Chelsea, Mass. Camera. No. 1,272,292; July 9; v. 252; p. 465.
Mensendick, Herman H., St. Louis, Mo. System for awarding articles of manufacture as prizes. No. 1,273,509; July 23; v. 252; p. 853.
Mente & Co. (See Loth, Eric C., assignor.)
Mente, William H. (See Steele, John G., assignor.)
Mentink, Henry J., Gresham, Nebr. Attachment for harvesters. No. 1,257,092; Feb. 19; v. 247; p. 655.
Mentzer, Albert C., and R. E. Duprey, Hudson, Mass. Load-handling apparatus. No. 1,276,674; Aug. 20; v. 253; p. 707.
Mentzer, Allen, Duluth, Minn. Demountable rim. No. 1,283,853; Nov. 5; v. 256; p. 110.
Mentzer, Claude E., Des Moines, Iowa. Automobile-steering-wheel lock. No. 1,266,842; May 21; v. 250; p. 604.
Mentzer, John P. (See Becker, Julius, assignor.)
Mentzer, John P., Chicago, Ill. Storage battery. No. 1,285,303; Nov. 19; v. 256; p. 548.
Mentzer, John P., Chicago, Ill. Loose-leaf book or binder. No. 1,289,221; Dec. 31; v. 257; p. 863.
Menzies, James, Wilmington, N. C. Bottle-stopper. No. 1,258,236; Mar. 5; v. 248; p. 83.
Menzl, Albert E., New York, N. Y. Support for curtains or the like. No. 1,260,234; Mar. 19; v. 248; p. 727.
Menzo, Salvatore G., Philadelphia, Pa. Furniture construction. No. 1,272,983; July 16; v. 252; p. 687.
Mercák, Andrew, East Douglass, Mass. Soldering-iron. No. 1,273,518; July 23; v. 252; p. 858.
Mercantile Corporation. (See Banzett, William H., assignor.)
Mercer, Alfonso, Norfolk, Va. Rifle. No. 1,283,253; Oct. 29; v. 255; p. 982.
Mercer, Frank H., and H. F. H. Blease, Melksham, England. Manufacture of pneumatic tires. No. 1,276,942; Aug. 27; v. 253; p. 814.
Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Channeling-machine. No. 1,269,295; June 11; v. 251; p. 363.
Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Channeling-machine. No. 1,269,296; June 11; v. 251; p. 364.
Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Channeling-machine. No. 1,269,297; June 11; v. 251; p. 364.
Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Turning device for channeling and other like machines. No. 1,269,298; June 11; v. 251; p. 364.
Mercer, James R., Toledo, Ohio. Folding seat for juvenile vehicles. No. 1,260,235; Mar. 19; v. 248; p. 727.
Mercer Manufacturing Company. (See Myers, Samuel J., assignor.)
Mercer Tire Company. (See Dech, Henry, assignor.)
Mercer, William T., Wilmington, assignor of one-half to J. D. Farrior, Wilson, N. C. Plant-protector. No. 1,264,419; Apr. 30; v. 249; p. 1071.
Merchant, Charles, Kansas City, Kans. Economizer for internal-combustion engines. No. 1,289,859; Dec. 31; v. 257; p. 1021.
Mercury Manufacturing Company. (See Bulley, George W., assignor.)
Meredith, George S. (See Sault, Thomas B., assignor.)
Meredith, Ross. (See Breen and Meredith.)
Meredith, Samuel W., L. Baumann, Sr., Philadelphia, Pa., and J. Black, Thorofare, N. J. Winding mechanism for spring-motors. No. 1,265,473; May 7; v. 250; p. 165.
Meredith, Stanley, Clarksburg, W. Va., C. W. Holland, Jeannette, L. J. O'Brien, Johnstown, and C. C. McHenry, Jeannette, Pa. Glass-drawing pot. No. 1,279,569; Sept. 24; v. 254; p. 684.
Meredith, Wynn, San Francisco, Cal. Apparatus for determining the volume of liquid in tanks. No. 1,261,262; Apr. 2; v. 249; p. 76.
Meredith, Wynn, San Francisco, assignor to Hotpoint Electric Heating Company, Ontario, Cal. Thumb-rest. No. 1,269,106; June 11; v. 251; p. 310.
Merendino, Giuseppe, New York, N. Y. Tool for resoling shoes. No. 1,253,704; Jan. 15; v. 246; p. 722.
Merfeld, Peter, Marble Rock, Iowa. Folding stool. No. 1,281,189; Oct. 8; v. 255; p. 323.
Mergenthaler, Eugene G., Baltimore, Md. Safety-razor. No. 1,269,299; June 11; v. 251; p. 365.
Mergenthaler Linotype Company. (See Boardman, Robert O., assignor.)
Mergenthaler Linotype Company. (See Elliott, William E., assignor.)
Mergenthaler Linotype Company. (See Guest, Alfred W. F., assignor.)
Mergenthaler Linotype Company. (See Johns, Thomas W., assignor.)
Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
Mergenthaler Linotype Company. (See McRae, John R., assignor.)
Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
Mergenthaler Linotype Company. (See Röger, Karl, assignor.)
Mergenthaler Linotype Company. (See Smith, Samuel, assignor.)
Meriam, Joseph B., and H. W. Price, Cleveland, Ohio. Mixing-valve. No. 1,269,482; June 11; v. 251; p. 413.
Merit Manufacturing Co. (See Flagg, Andrew B., assignor.)
Merithew, Charles L., Buckley, Mich. Cold-storage apparatus. No. 1,280,266; Oct. 1; v. 255; p. 42.
Merithew, Jerry J., Akron, Ohio. Vacuum-sweeper. No. 1,267,329; May 21; v. 250; p. 738.
Merkel, Arthur E. (See Dunham and Merkel.)
Merkel, Joseph F., Flushing, N. Y. Lubricating device for internal-combustion engines. No. 1,280,267; Oct. 1; v. 255; p. 43.
Merkley, George R., Seattle, Wash. Bevel-cutting saw. No. 1,273,393; July 23; v. 252; p. 822.
Merle, A. J. (See Grunwald, Bertrand B., assignor.)

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Merle, Henry J., Chicago, Ill. School desk and seat. No. 1,261,049; Apr. 2; v. 249; p. 17.
Merle, Joseph, Bensonhurst, N. Y. Liquid-fuel burner. No. 1,271,923; July 9; v. 252; p. 360.
Merman, Joseph, South Bethlehem, Pa. Aeroplane. No. 1,284,199; Nov. 5; v. 256; p. 201.
Merman, Otto A. (See Ramberg and Merman.)
Meroney, John A., assignor to Nupro Evaporator Co., San Francisco, Cal. Evaporator. No. 1,283,254; Oct. 29; v. 255; p. 982.
Merrell, Manley J. (See Stocke and Merrell.)
Merrell-Soule Company. (See Lietzow and Fleischer, assignors.)
Merriam, Ezra B., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,276,675; Aug. 20; v. 253; p. 707.
Merrick, Frank W., Boston, Mass. Valve-motion for explosive-engines. No. 1,259,263; Mar. 12; v. 248; p. 417.
Merrick, Frank W., assignor to American Stay Company. Boston, Mass Skiving-machine. No. 1,268,751; June 4; v. 251; p. 192.
Merrick, Herbert L., Passaic, N. J. Weighing-machine. No. 1,257,376; Feb. 26; v. 247; p. 772.
Merrifield, Albert J., *et al.* (See Carter, Daniel, assignor.)
Merrifield, Asaph A. (See Larios and Merrifield.)
Merrifield, George E., *et al.* (See Wadsworth, Adna A., Jr., assignor.)
Merrill, Arthur F., Portland, Oreg. Soapsuds apparatus. No. 1,273,259; July 23; v. 252; p. 786.
Merrill Brothers. (See Merrill, Whitney, assignor.)
Merrill, Carle J., Portland, Me. Air-duct. No. 1,279,739; Sept. 24; v. 254; p. 732.
Merrill, Charles W., Berkeley, Cal. Filter. No. 1,259,032; Mar. 12; v. 248; p. 354.
Merrill, Edward H., assignor to A. C. Lawrence Leather Company, Peabody, Mass. Device for supporting leather-frames and the like. No. 1,275,066; Aug. 6; v. 253; p. 206.
Merrill, Frederick R., Dallas, Tex., assignor to F. M. Robinson, West Haven, Conn. Fire-alarm. No. 1,284,411; Nov. 12; v. 256; p. 285
Merrill, George W., Tulsa, Okla. Means for sealing storage-tanks. No. 1,266,843; May 21; v. 250; p. 604.
Merrill, Ira P., *et al.* (See McHenry, Hudson O., assignor.)
Merrill, John C., San Martin, Cal. Pump. No. 1,254,522; Jan. 22; v. 246; p. 974.
Merrill, Josiah L., Pittsburgh, Pa., assignor to The General Refrigeration Co. Refrigeration. No. 1,260,427; Mar. 26; v. 248; p. 817.
Merrill, Josiah L., Pittsburgh, Pa., assignor to The General Refrigeration Co. Expansion-valve. No. 1,262,823; Apr. 16; v. 249; p. 575.
Merrill, Meldon H., Brookline, Mass. Registering appliance. No. 1,283,854; Nov. 5; v. 256; p. 110.
Merrill Metallurgical Company. (See Crowe, Thomas B., assignor.)
Merrill Process Company, The. (See Macdonald, John W. F., assignor.)
Merrill Process Company. (See Merrill, Willis C., assignor.)
Merrill, Walter H., and T. C. Martin, Washington, D. C. Motion-picture photography. No. 1,265,352; May 7; v. 250; p. 132.
Merrill, Whitney, Brooklyn, assignor to Merrill Brothers, Inc., Maspeth, N. Y. Drop-hammer. No. 1,277,985; Sept. 3; v. 254; p. 179.
Merrill, Willis C., Boston, Mass. Apparatus for heating and applying asphaltic or bituminous materials. No. 1,252,376; Jan. 1; v. 246; p. 269.
Merrill, Willis C., assignor, by mesne assignments, to Merrill Process Company, Boston, Mass. Oil-tank. No. 1,251,801; Jan. 1; v. 246; p. 108.
Merrill, Willis C., assignor, by mesne assignments, to The Merrill Process Company, Boston, Mass. Apparatus for applying asphaltic, bituminous, or other compound to fabrics or other materials. No. 1,277,986; Sept. 3; v. 254; p. 179.
Merrill, Willis C., Boston, Mass., assignor of one-half to The Merrill Process Company. Heating apparatus. No. 1,278,070; Sept. 3; v. 254; p. 201.
Merrill, Willis C., assignor, by mesne assignments, to Merrill Process Company, Boston, Mass. Automobile-kitchen. No. 1,285,304; Nov. 19; v. 256; p. 548.
Merrill, Willis C., assignor, by mesne assignments, to The Merrill Process Company, Boston, Mass. Oil-tank and pipe-line. No. 1,287,070; Dec. 10; v. 257; p. 252.
Merrill, Willis C., assignor, by mesne assignments, to The Merrill Process Company, Boston, Mass. Apparatus for vulcanizing. No. 1,287,071; Dec. 10; v. 257; p. 252.
Merrill, Zachara T., Chicago, Ill. Window-display. No. 1,266,297; May 14; v. 250; p. 423.
Merriman, Eddie E., *et al.* (See Beery, Samuel M., assignor.)
Merriman, Merton, Lincoln, Wis. Bean-separator. No. 1,256,585; Feb. 19; v. 247; p. 507.
Merriman, Tilford A., *et al.* (See Beery, Samuel M., assignor.)
Merritt, Andrew H., Enfield, Ill. Brake for revoluble carriers. No. 1,263,268; Apr. 16; v. 249; p. 700.
Merritt, Arthur A., Worcester, Mass., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing-machine. No. 1,253,507; Jan. 15; v. 246; p. 665.
Merritt, Charles E. (See Baier and Merritt.)
Merritt, Charles H., Birmingham, Ala. Railway cattle-guard. No. 1,254,922; Jan. 29; v. 246; p. 1123.
Merritt, Frank R., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding-machine. No. 1,258,429; Mar. 5; v. 248; p. 141.
Merritt, James M., assignor to Boyle Manufacturing Company, Los Angeles, Cal. Carrier. No. 1,271,054; July 2; v. 252; p. 85.
Merritt, Matthew M., Danvers, assignor to Copper Products Company, Boston, Mass. Shoe-last. No. 1,282,258; Oct. 22; v. 255; p. 684.
Merritt, Matthew M., Danvers, assignor to Copper Products Company, Boston, Mass. Producing metal-surfaced articles. No. 1,282,259; Oct. 22; v. 255; p. 685.
Merritt, Matthew M., Danvers, assignor to Copper Products Company, Boston, Mass. Shoe-last. No. 1,282,260; Oct. 22; v. 255; p. 685.
Merritt, Matthew M., Danvers, assignor to Copper Products Company, Boston, Mass. Galvanoplastic method and apparatus. No. 1,282,261; Oct. 22; v. 255; p. 685.
Merritt, Matthew M., Danvers, assignor to Copper Products Company, Boston, Mass. Electrolytic process. No. 1,282,262; Oct. 22; v. 255; p. 685.
Merritt, Matthew M., Danvers, assignor to Copper Products Company, Boston, Mass. Electrolytic process. No. 1,282,263; Oct. 22; v. 255; p. 685.
Merritt, Matthew M., Danvers, assignor to Copper Products Company, Boston, Mass. Electrolytic process. No. 1,282,264; Oct. 22; v. 255; v. 686.
Merritt, Matthew M., South Middleton, assignor to Copper Products Company, Boston, Mass. Electrolytic process and product. No. 1,282,265; Oct. 22; v. 255; p. 686.
Merritt, Matthew M., South Middleton, assignor to Copper Products Company, Boston, Mass. Galvanoplastic process and product "A". No. 1,282,266; Oct. 22; v. 255; p. 686.
Merritt, Matthew M., South Middleton, assignor to Copper Products Company, Boston, Mass. Galvanoplastic process and product "B." No. 1,282,267; Oct. 22; v. 255; p. 686.
Merritt, Matthew M., South Middleton, assignor to Copper Products Company, Boston, Mass. Electrolytic process and product. No. 1,282,268; Oct. 22; v. 255; p. 687.
Merritt, Matthew M., South Middleton, assignor to Copper Products Company, Boston, Mass. Galvanoplastic process and product. No. 1,282,269; Oct. 22; v. 255; p. 687.
Merritt, Matthew M., South Middleton, assignor to Copper Products Company, Boston, Mass. Electrolytic process and product. No. 1,282,270; Oct. 22; v. 255; p. 687.
Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Sewing-machine. No. 1,278,973; Sept. 17; v. 254; p. 500.
Merrow Machine Co. (See Aulson, John W., assignor.)
Merrow Machine Company, The. (See Merrow, Joseph M., assignor.)
Merryman, William E., Richmond, Ind. Spring-motor. No. 1,263,587; Apr. 23; v. 249; p. 810.
Merryman, William E. (See Whalen, James W., assignor.)
Mersereau, Gail, New York, N. Y., assignor to Chemical Development Company. Making diolefins. No. 1,282,906; Oct. 29; v. 255; p. 889.
Mersfelder, Charles, Newark, N. J. Rear-signal device for automobiles. No. 1,283,855; Nov. 5; v. 256; p. 110.
Mersfelder, William L., and A. F. Radka, assignors to Detroit Stove Works, Detroit, Mich. Mold for hollow castings and forming the same. No. 1,266,700; May 21; v. 250; p. 565.
Mershon, Arthur U., assignor of one-fifth to O. Holmes, one-fifth to A. M. Howard, one-fifth to A. G. Arnold, one-fifth to A. D. Bloch, and one-fifth to O. L. Mershon. Excelsior Springs, Mo. Vending-machine. No. 1,257,909; Feb. 26; v. 247; p. 930.
Mershon, O. L., *et al.* (See Mershon, Arthur U., assignor.)
Mershon, Ralph D., New York, N. Y. Means for controlling the operation of electrolytic condensers. No. 1,265,353; May 7; v. 250; p. 132.
Mershon, Ralph D., New York, N. Y. Current-rectifying apparatus. No. 1,265,354; May 7; v. 250; p. 132.
Mershon, Ralph D., New York, N. Y. Welding metals. No. 1,269,726; June 18; v. 251; p. 514.
Mershon, Ralph D., and J. S. Riddile, New York, N. Y.; said Riddile assignor to said Mershon. Electrolytic apparatus employing filmed electrodes. No. 1,285,305; Nov. 19; v. 256; p. 548.
Merten, William J. (See Breck and Merten.)
Merten, William J., Pittsburgh, Pa., assignor to G. D. Breck, Cleveland, Ohio. Corrosion-resisting metal article and making same. No. 1,280,268; Oct. 1; v. 255; p. 43.
Mertens, Louis R., assignor to C. J. Miller, Philadelphia, Pa. Steam-trap. No. 1,285,772; Nov. 26; v. 256; p. 705.
Mertens, Louis R., and G. Binder, assignors to C. J. Miller, Philadelphia, Pa. Steam-trap. No. 1,285,771; Nov. 26; v. 256; p. 705.

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Mertes, Edwin P., St. Louis, Mo. Cornet or trumpet mouthpiece. No. 1,264,673; Apr. 30; v. 249; p. 1142.
Mertz, Boyd F., Northumberland, Pa. Traction gang-plow. No. 1,256,349; Feb. 12; v. 247; p. 402.
Mertz, Frank. (See Yarnell and Mertz.)
Mertz, Harry, Baltimore, Md. Adjustable back for chairs. No. 1,275,067; Aug. 6; v. 253; p. 206.
Mertz, Harry, Baltimore, Md., assignor to Brigham-Hopkins Co. Air-cushion sweat-band. No. 1,253,859; Jan. 15; v. 246; p. 766.
Mertz, Victor E., New York, N. Y. Nozzle. No. 1,280,062; Sept. 24; v. 254; p. 824.
Merwin, Louis T., and R. K. Freeman, Portland, Oreg. Means for segregating currents of different frequencies in electricity-conducting systems. No. 1,284,743; Nov. 12; v. 256; p. 367.
Merz, Albert R., Washington, D. C. Rendering water-soluble the potash in cement-mill dust. No. 1,288,437; Dec. 17; v. 257; p. 619.
Merz, Albert R., W. H. Ross, and J. N. Carothers, Washington, D. C. Recovery of phosphorus fumes evolved in the volatilization method of treating phosphate-rock. No. 1,284,200; Nov. 5; v. 256; p. 201.
Merz, John E., Indianapolis, Ind. Shock-absorbing coupling. No. 1,270,186; June 18; v. 251; p. 637.
Mesecar, George E. (See Hurd, Benjamin W., assignor.)
Mesenbrink, Charles, Hancock, Minn. Loading and unloading device. No. 1,281,190; Oct. 8; v. 255; p. 323.
Meskill, Matthew E., Jersey City, N. J. Permutation electric switch. No. 1,286,705; Dec. 3; v. 257; p. 126.
Mess, George B., assignor of one-half to B. F. Fuller, Washington, D. C. Tool for removing valve parts. No. 1,277,454; Sept. 3; v. 254; p. 34.
Messer, Maurice E., Cleveland Heights, Ohio. Cleaning garments. No. 1,271,599; July 9; v. 252; p. 269.
Messer, Vladimir V., Wauwatosa, Wis. Apparatus for raising sunken vessels. No. 1,288,107; Dec. 17; v. 257; p. 542.
Messer, Vladimir V., Wauwatosa, Wis. Device for raising sunken vessels. No. 1,288,108; Dec. 17; v. 257; p. 543.
Messersmith, John R., Cincinnati, Ohio. Case-hardening iron and steel. No. 1,260,787; Mar. 26; v. 248; p. 924.
Messerth, Edward, Chicago, Ill. Marking device. No. 1,287,390; Dec. 10; v. 257; p. 333.
Messinger, Eugene, Marshalltown, Iowa. Collapsible receptacle. No. 1,252,712; Jan. 8; v. 246; p. 401.
Messiter, Edwin H., Brooklyn, N. Y. Vibratory actuator. No. 1,252,826; Jan. 8; v. 246; p. 433.
Messiter, Edwin H., Brooklyn, N. Y. Electric clock. No. 1,255,905; Feb. 12; v. 247; p. 269.
Messiter, Edwin H., Brooklyn, assignor to Electric Weighing Company, New York, N. Y. Compensator for automatic weighing-machines. No. 1,251,680; Jan. 1; v. 246; p. 72.
Messiter, Edwin H., Brooklyn, assignor to Electric Weighing Company, New York, N. Y. Vibratory actuator. No. 1,251,681; Jan. 1; v. 246; p. 72.
Messiter, Edwin H., Brooklyn, assignor to Electric Weighing Company, New York, N. Y. Recording instrument. No. 1,255,202; Feb. 5; v. 247; p. 26.
Messiter, Edwin H., Brooklyn, N. Y., assignor to Electric Weighing Company. Ship-trimming apparatus. No. 1,272,074; July 9; v. 252; p. 405.
Messiter, William F., Brooklyn, N. Y. Hose-holder. No. 1,275,068; Aug. 6; v. 253; p. 206.
Messler, Arnold C. (See Carlson, Ivar, assignor.)
Messler, Matie C. (See Stanton, Warren F., assignor.)
Messler, Matie C. (See Stanton, Warren F., assignor.)
Messmer, Albert. (See Sonderegger, Messmer, and Erdrich.)
Messmer, Andrew, Cincinnati, Ohio. Altar-bread baker. No. 1,257,513; Feb. 26; v. 247; p. 813.
Messmer, Joseph, Kirkwood, assignor to Continental Brass & Foundries Company, St. Louis, Mo. Thermostatic valve. No. 1,273,899; July 30; v. 252; p. 997.
Messner, Henry O., Glendale, N. Y. Stove attachment for gas-burners. No. 1,286,706; Dec. 3; v. 257; p. 126.
Messter, Oskar, Berlin, Germany. Exhibiting the movements of orchestra conductors. No. 1,286,383; Dec. 3; v. 257; p. 49.
Meston, Charles R., and H. I. Finch, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Adjustable oscillating fan. No. 1,259,545; Mar. 19; v. 248; p. 531.
Meston, Charles R., and H. I. Finch, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Brush-holder for commutator mechanisms. No. 1,275,458; Aug. 13; v. 253; p. 338.
Meston, Thomas M. (See Finch and Meston.)
Metal Office Furniture Company. (See Wege, Peter M., assignor.)
Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
Metal Specialties Manufacturing Company. (See Berg and Golder, assignors.)
Metal Specialty Company, The. (See Schoell, Eugene F., assignor.)
Metalco Company, The. (See Wales and Baskerville, assignors.)
Metalite Company, The. (See Clapp, Albert L., assignor.)
Metallic Shaft Company, The. (See Lard, Allan E., assignor.)
Metalloids Limited. (See Perry, Frank, assignor.)
Metallurgic Improvement Corporation. (See Christensen, Niels C., assignor.)
Metallurgical Company of America. (See Jones, Archibald, assignor.)
Metallurgical Company of America. (See Newman, Albert B., assignor.)
Metallurgical Company of America. (See Rody, Franz A., assignor.)
Metallurgical Laboratories. (See Fulton, Charles H., assignor.)
Metals Extraction Corporation Limited, The. (See Sulman and Picard, assignors.)
Metals Plating Company, The. (See Watkins, William E., assignor.)
Metals Recovery Company. (See Armstrong, Cedric J. B., assignor.)
Metals Recovery Company. (See Callow, John M., assignor.)
Metals Research Company. (See Garner and Clayton, assignors.)
Metals Research Company. (See Garner, James B., assignor.)
Metalwood Manufacturing Company. (See Patterson, Clarence L., assignor.)
Metcalf, Alpha H., assignor to Marathon Company, Attleboro, Mass. Knitting-needle. No. 1,268,752; June 4; v. 251; p. 193.
Metcalf, Fred L., Plainfield, N. J. Rotary engine. No. 1,266,298; May 14; v. 250; p. 423.
Metcalf, George R., *et al.* (See Cox, John W., assignor.)
Metcalf, Jefferson D., assignor of one-half to W. L. Ream, Gilbert, La. Eyeglasses. No. 1,272,833; July 16; v. 252; p. 645.
Metcalf, Walter N. (See Moore and Metcalf.)
Metcalfe, Isaiah, Lancaster, assignor of one-fifth to J. R. Sebastian, one-fifth to L. Duerson, and one-fifth to L. Duerson, Richmond, Ky. Nut-lock. No. 1,268,481; June 4; v. 251; p. 118.
Metesser, Lewis, New Orleans, La. Furnace. No. 1,287,602; Dec. 10; v. 257; p. 383.
Methven, John H., Ronald, Wash. Oil-cup and feeding attachment therefor. No. 1,259,264; Mar. 12; v. 248; p. 417.
Methvin, James E., assignor of one-third to F. M. Gay, Eufaula, Ala.; one-sixth to H. A. Gay, Georgetown, and one-sixth to L. O. Gay, Fort Gaines, Ga. Harvesting-plow. No. 1,266,701; May 21; v. 250; p. 565.
Metropolitan Sewing Machine Corporation. (See Robinson, Aquila S., assignor.)
Metropolitan Sewing Machine Corporation. (See Weis, John P., assignor.)
Metten, John F., Philadelphia, Pa. Nozzle construction for elastic-fluid turbines. No. 1,266,973; May 21; v. 250; p. 640.
Mettlin, Thomas E., assignor to one-tenth to J. H. Gilchrist, one-tenth to C. J. Morgan, seven-tenths to C. L. Siverly, and one-tenth to R. H. Williams, Ames, Iowa. Liquid-hydrocarbon burner. No. 1,289,222; Dec. 31; v. 257; p. 863.
Metz, Alexander E., New York, N. Y. Milling-machine. No. 1,269,727; June 18; v. 251; p. 514.
Metz, Anthony J., Des Moines, Iowa. Internal-combustion engine. No. 1,266,033; May 14; v. 250; p. 350.
Metz, Elmer. (See Bowles and Metz.)
Metz, George F. (See Schreurs and Metz.)
Metz, Herman. (See Bowles and Metz.)
Metz, Herman A. (See Riethmueller, Richard H., assignor.)
Metzger, Adam. (See Lange and Metzger.)
Metzger, Charles T., assignor to The Pullman Couch Company, Chicago, Ill. Knockdown davenport. No. 1,278,491; Sept. 10; v. 254; p. 338.
Metzger, Elmer E., and A. F. Breitenstein, assignors to The Geometric Tool Company, New Haven, Conn. Testing device. No. 1,281,805; Oct. 15; v. 255; p. 520.
Metzger, Frederick, Hondo, Tex. Spout for railway water-tanks. No. 1,275,964; Aug. 13; v. 253; p. 478.
Metzger, Joseph, Brooklyn, N. Y. Portable tool. No. 1,253,705; Jan. 15; v. 246; p. 722.
Metzler, John, assignor of one-half to H. McHenry, Philadelphia, Pa. Amusement apparatus. No. 1,263,269; Apr. 16; v. 249; p. 700.
Metzler, William A., Moncton, New Brunswick, Canada. Emergency steering device. No. 1,264,320; Apr. 30; v. 249; p. 1043.
Meurer, Charles A., Terrace Park, Ohio. Acrobatic toy. No. 1,265,803; May 14; v. 250; p. 285.
Meurling, Ivar, Brooklyn, assignor to Empire Duplex Gin Company, New York, N. Y. Doffer-machine. No. 1,254,148; Jan. 22; v. 246; p. 868.
Meutsch, Charles C., Chicago, Ill. Mattress and cushion. No. 1,287,590; Dec. 10; v. 257; p. 380.
Meutsch, Charles C., Chicago, Ill. Mattress and cushion. No. 1,287,591; Dec. 10; v. 257; p. 381.
Meves, Hugo, Chicago, Ill. Dispensing device. No. 1,257,910; Feb. 26; v. 247; p. 930.
Mewes, Henry J. (See Buric, Johann, assignor.)
Mewes, Richard W., Des Moines, Iowa. Tractor attachment. No. 1,274,574; Aug. 6; v. 253; p. 67.
Meyer, Albert C., San Diego, Cal. Electric sign. No. 1,271,600; July 9; v. 252; p. 270.

Meyer, Albert C., San Diego, Cal. Hand-stamp rack. No. 1,271,601; July 9; v. 252; p. 270.
Meyer, August J., Chicago, Ill., assignor to A. J. Meyer Motor Car Company, Cedarburg, Wis. Vehicle-wheel. No. 1,261,839; Apr. 9; v. 249; p. 273.
Meyer, August J., Chicago, Ill. Cushion-wheel for vehicles. No. 1,265,101; May 7; v. 250; p. 65.
Meyer Bros. (See Meyer, Julius, assignor.)
Meyer, Charles L., Omaha, Nebr. Concrete floor construction. No. 1,262,686; Apr. 16; v. 249; p. 536.
Meyer, Chester F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Radial-draft gear. No. 1,286,049; Nov. 26; v. 256; p. 774.
Meyer, Christopher J., and E. P. Gleason, assignors to Evinrude Motor Company, Milwaukee, Wis. Magnetic fly-wheel. No. 1,263,694; Apr. 23; v. 249; p. 838.
Meyer, Conrad, New York, N. Y. Eyeglass-mount. No. 1,266,513; May 14; v. 250; p. 481.
Meyer, Edwin C., Thane, Alaska. Camera. No. 1,275,965; Aug. 13; v. 253; p. 478.
Meyer, Ejnar A., Clifton, Bristol, England. Pressing yeast. No. 1,268,865; June 11; v. 251; p. 244.
Meyer, Erwin E. A. G., Detroit, Mich., assignor to Morgan & Wright. Device for testing fabric. No. 1,283,856; Nov. 5; v. 256; p. 111.
Meyer, Frank J., Oklahoma, Okla. Gas-regulator. No. 1,262,225; Apr. 9; v. 249; p. 378.
Meyer, Frank W., East St. Louis, Ill. Rotary engine. No. 1,267,100; May 21; v. 250; p. 676.
Meyer, Frank W., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Drawer-lock for trunks. No. 1,264,321; Apr. 30; v. 249; p. 1043.
Meyer, Fred G. (See Cunningham, William J., assignor.)
Meyer, Frederick. (See Adams and Meyer.)
Meyer, Frederick H., Chicago, Ill. License-number holder for automobiles. No. 1,278,071; Sept. 3; v. 254; p. 201.
Meyer, Frederick W., Jersey City, N. J. Revolving illuminated sign for water-tanks, &c. No. 1,268,375; June 4; v. 251; p. 87.
Meyer, Fredrich E., Hixton, Wis. Automobile-headlight. No. 1,278,974; Sept. 17; v. 254; p. 500.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifying system. No. 1,253,267; Jan. 15; v. 246; p. 593.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Speed control for induction-motors. No. 1,262,824; Apr. 16; v. 249; p. 575.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Means for producing alternating currents. No. 1,264,420; Apr. 30; v. 249; p. 1072.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Converting system. No. 1,274,741; Aug. 6; v. 253; p. 114.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control for induction-motors. No. 1,275,966; Aug. 13; v. 253; p. 479.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Frequency-changer. No. 1,275,967; Aug. 13; v. 253; p. 479.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,275,968; Aug. 13; v. 253; p. 479.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of locomotive control. No. 1,275,969; Aug. 13; v. 253; p. 480.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of locomotive control. No. 1,275,970; Aug. 13; v. 253; p. 480.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,284,412; Nov. 12; v. 256; p. 285.
Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifying system. No. 1,286,050; Nov. 26; v. 256; p. 774.
Meyer, George, Seattle, Wash. Chain saw. No. 1,273,394; July 23; v. 252; p. 823.
Meyer, George, Berlin-Charlottenburg, and E. Waltz, Berlin-Steglitz, assignors to Siemens-Schuckertwerke G. m. b. H., Berlin, Germany. Towing system for ships. No. 1,275,286; Aug. 13; v. 253; p. 290.
Meyer, George U. (See Lederer and Meyer.)
Meyer, George W., and E. Tweed, Tipton, Iowa. Endgate. No. 1,281,992; Oct. 15; v. 255; p. 569.
Meyer, Gertrude C. (See Balz, Robert J., assignor.)
Meyer, Harry, Wellston, Mo. Pneumatic action for player-pianos. No. 1,271,193; July 2; v. 252; p. 125.
Meyer, Harry R. (See Hellmund, Meyer, and Candee.)
Meyer, Heari, Geneva, Switzerland. Self-luminous sign. No. 1,258,590; Mar. 5; v. 248; p. 187.
Meyer, Henry A., *et al.* (See Borbeck, Martin, assignor.)
Meyer, John M., Brush, Colo. Ditching-machine. No. 1,280,518; Oct. 1; v. 255; p. 112.
Meyer, Julius, assignor to Meyer Bros., New York, N. Y. Skirt. No. 1,258,591; Mar. 5; v. 248; p. 187.
Meyer, Laurence E., San Diego, Cal. Dry-sluice placer-gold separator. No. 1,283,857; Nov. 5; v. 256; p. 111.
Meyer, Louis, Milford, Ill. Door-operating mechanism. No. 1,265,229; May 7; v. 250; p. 98.
Meyer, Louis H., Lake Park, Iowa. Explosive-engine. No. 1,266,514; May 14; v. 250; p. 481.
Meyer, Peter, Newark, N. J. Spring-roll. No. 1,271,194; July 2; v. 252; p. 125.
Meyer, Richard E., Detroit, Mich. Explosive-engine. No. 1,252,471; Jan. 8; v. 246; p. 332.
Meyer, Theodore A., *et al.* (See Ransdall, Harry W., assignor.)
Meyer, William, Chicago, Ill. Electrical measuring instrument. No. 1,257,514; Feb. 26; v. 247; p. 814.
Meyer, William C. Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-leveling machine. No. 1,254,256; Jan. 22; v. 246; p. 897.
Meyer, William C., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Inseam shoe-sewing machine. No. 1,259,765; Mar. 19; v. 248; p. 592.
Meyer, William V., Chicago, Ill. Tie for umbrella-ribs. No. 1,263,787; Apr. 23; v. 249; p. 863.
Meyercord, George R., Chicago, Ill. Counter construction. No. 1,272,492; July 16; v. 252; p. 547.
Meyerhoff, Jacob, Chicago, Ill. Shirt. No. 1,284,126; Nov. 5; v. 256; p. 183.
Meyers, Frank, Dubuque, Iowa. Radiator-fitting. No. 1,259,427; Mar. 12; v. 248; p. 465.
Meyers, Gustav A., Paauilo, Hawaii. Distributer. No. 1,278,366; Sept. 10; v. 254; p. 306.
Meyers, Henry J., Los Angeles, Cal. Bed-mounting. No. 1,262,371; Apr. 9; v. 249; p. 418.
Meyers, Hugh D., Grundy Center, Iowa. Shock-absorber. No. 1,271,346; July 2; v. 252; p. 167.
Meyers, John M., West Chester, Pa. Tractor. No. 1,261,263; Apr. 2; v. 249; p. 76.
Meyers, John M., Westchester, Pa. Jack. No. 1,286,051; Nov. 26; v. 256; p. 774.
Meyers, Louis, Brooklyn, N. Y. Lock. No. 1,274,181; July 30; v. 252; p. 1076.
Meyers, Luther C., Bridgeton, N. J. Press. No. 1,280,106; Sept. 24; v. 254; p. 836.
Meyner, Walter, New York, N. Y. Screw. No. 1,274,923; Aug. 6; v. 253; p. 165.
Mezger, Charles A., Brooklyn, N. Y. Spark-plug and making same. No. 1,286,384; Dec. 3; v. 257; p. 49.
Michael, Edward. (See Porter, Jesse R., assignor.)
Michael, Gilbert C., Davenport, Wash. Straw-distributing attachment for harvesters. No. 1,255,769; Feb. 5; v. 247; p. 190.
Michaels, Raymond C. (See Humphrey and Michaels.)
Michaels, Raymond C., *et al.* (See Humphrey, Alexander F., assignor.)
Michaels, Raymond C., and A. F. Humphrey, assignors of one-fifth to said Humphrey, three-fifths to said Michaels, and one-fifth to W. L. Swartz, Pittsburgh, Pa. Tank-valve. No. 1,274,924; Aug. 6; v. 253; p. 165.
Michaels, Sidney H., Oak Park, assignor to W. P. Murphy, Chicago, Ill. Drop-end gondola car. No. 1,284,413; Nov. 12; v. 256; p. 286.
Michaelsen, C. O. and W. P., Minneapolis, Minn., assignors to Michaelsen Machinery Company. Mineral-concentrator. No. 1,269,198; June 11; v. 251; p. 335.
Michaelsen Machinery Company. (See Michaelsen, Charles O. and W. P., assignors.)
Michaelsen, William P. (See Michaelsen, Charles O. and W. P.)
Michajlov, Mita, New York, N. Y. Artificial limb. No. 1,281,191; Oct. 8; v. 255; p. 323.
Michaud, Joseph O., Fort Kent, Me. Friction-transmission mechanism. No. 1,258,034; Mar. 5; v. 248; p. 25.
Michaud, Joseph O., Fort Kent, Me. Auxiliary brake for automobiles. No. 1,265,938; May 14; v. 250; p. 324.
Michaud, Onesime E., St. Louis, Mo., assignor of one-half to F. A. Muller, McGehee, Ark. Internal-combustion engine. No. 1,263,336; Apr. 16; v. 249; p. 718.
Michaud, Onesime E., St. Louis, Mo., assignor of one-half to F. A. Muller, McGehee, Ark. Air-cooled internal-combustion engine. No. 1,263,337; Apr. 16; v. 249; p. 718.
Michaud, Onesime E., St. Louis, Mo., assignor of one-half to F. A. Muller, McGehee, Ark. Roller-bearing. No. 1,269,834; June 18; v. 251; p. 545.
Michaud, Onesime E., St. Louis, Mo., assignor of one-half to F. A. Muller, McGehee, Ark. Oscillating engine. No. 1,277,238; Aug. 27; v. 253; p. 894.
Micheau, F. H. (See Myers, Melvin A., assignor.)
Micheau, Joe. (See Myers, Melvin A., assignor.)
Michel, Adolph C., Seney, Mich., assignor to Bullock Tractor Co., Chicago, Ill. Shoe or tread for traction-engines. No. 1,289,509; Dec. 31; v. 257; p. 935.
Michel, Christopher B., Oakland, Cal. Automobile-signal. No. 1,270,857; July 2; v. 252; p. 29.
Michel, Herman C., Dixie, Wash. Seed-planting attachment for cultivators. No. 1,259,033; Mar. 12; v. 248; p. 355.
Michel, John, Philadelphia, Pa. Vulcanizer. No. 1,271,055; July 2; v 252; p. 86.
Michelin, André J., Paris, assignor to Michelin & Cie, Clermont-Ferrand, France. Jack for automobiles. No. 1,275,971; Aug. 13; v. 253; p. 481.

Michelin & Cie. (See Michelin, André J., assignor.)
Michels, Christoph J., Port Washington, Wis., assignor to Gilson Manufacturing Company. Core-making machine. No. 1,282,099; Oct. 22; v. 255; p. 639.
Michels, Joseph J. (See McGinley and Michels.)
Michelson, Albert A., and J. G. Wilson, Chicago, Ill. Art of protecting the ear-diaphragm and apparatus therefor. No. 1,279,396; Sept. 17; v. 254; p. 613.
Michener, Carlos B., Prosser, Wash. Automatic switch-throwing mechanism. No. 1,286,707; Dec. 3; v. 257; p. 126.
Michener, Wayland D., Roselle Park, N. J., assignor to The Singer Manufacturing Company. Means for attaching hooks and eyes to fabrics. No. 1,270,966; July 2; v. 252; p. 61.
Michenfelder, Edward G., New York, N. Y. Combined ladder and chair. No. 1,280,797; Oct. 8; v. 255; p. 216.
Michigan Crown Fender Company. (See McLouth, Lewis C., assignor.)
Michigan Steel Tube Products Co. (See Berg, Richard O., assignor.)
Michigan Stove Company, The. (See Maul, Henry C., assignor.)
Michigan Wire Goods Co. (See Smith, Benjamin H., assignor.)
Michod, Charles L., Chicago, Ill. Loading freight-cars. No. 1,263,788; Apr. 23; v. 249; p. 863.
Michod, Charles L., Chicago, Ill. Supporting-rack. No. 1,276,556; Aug. 20; v. 253; p. 674.
Michod, Charles L., Chicago Heights, Ill. Securing means. No. 1,279,397; Sept. 17; v. 254; p. 613.
Michon, Joseph H. M., Washington, D. C. Device for applying rivet-fasteners. No. 1,257,724; Feb. 26; v. 247; p. 877.
Michon, Joseph H. M., Washington, D. C. Expansible wheel-rim. No. 1,278,367; Sept. 10; v. 254; p. 307.
Mick, Francis E. (See Dick, Samuel M., assignor.)
Micka, Louis, St. Louis, Mo. Scrubbing-brush. No. 1,262,539; Apr. 9; v. 249; p. 465.
Mickey, Esther M., Birds, Ill. Ironing-table. No. 1,258,134; Mar. 5; v. 248; p. 54.
Mid-West Box Company. (See Heinrichs, Berg, assignor.)
Mid-West Manufacturing Company. (See Hopkins, Arthur C., assignor.)
Midboe, Gabriel, and C. C. Pittman, assignors to R. P. Lydon, New York, N. Y. Internal-combustion engine. No. 1,261,264; Apr. 2; v. 249; p. 77.
Middelstadt, John F., Crabtree, Oreg. Water-trap for lighting systems. No. 1,271,195; July 2; v. 252; p. 125.
Middleditch, Lyman, New York, N. Y. Sheet-registering mechanism. No. 1,252,604; Jan. 8; v. 246; p. 371.
Middleditch, Lyman, New York, N. Y. Sheet-feeding machine. No. 1,255,203; Feb. 5; v. 247; p. 26.
Middleditch, Lyman, Scarsdale, N. Y. Gripper mechanism. No. 1,285,774; Nov. 26; v. 256; p. 706.
Middleditch, Lyman, Scarsdale, N. Y. Convertible printing-press. No. 1,289,860; Dec. 31; v. 257; p. 1021.
Middlesex Machine Works. (See Nilson and Brassill, assignors.)
Middleton, Arthur R., Wayside, Md. Water-tight bearing for propeller-shafts and the like. No. 1,272,834; July 16; v. 252; p. 645.
Middleton, Fred H., assignor of one-half to A. R. Mann, Clarksville, Tenn. Freezer. No. 1,279,570; Sept. 24; v. 254; p. 684.
Middleton, Guy N. (See MacDougall and Middleton.)
Middleton, Howard J., assignor of one-half to F. W. Manthey, Toledo, Ohio. Carbureter. No. 1,282,271; Oct. 22; v. 255; p. 687.
Middleton, John M., *et al.* (See Harvey, Millard L., assignor.)
Midgley, Albert H., assignor of one-half to C. A. Vandervell and Company Limited, Acton Vale, England. Electric starter for internal-combustion engines. No. 1,254,923; Jan. 29; v. 246; p. 1123.
Midgley, Albert H., assignor of one-half to C. A. Vandervell, Acton Vale, England. Electric starter. No. 1,262,080; Apr. 9; v. 249; p. 336.
Midgley, Albert H., assignor of one-half to C. A. Vandervell, Acton Vale, England. Electric starter. No. 1,274,575; Aug. 6; v. 253; p. 67.
Midgley, Arthur M. (See Sunderland, Sam, assignor.)
Midgley, Herbert, Worcester, Mass. Card-clothing-trimming machine. No. 1,280,798; Oct. 8; v. 255; p. 216.
Midgley, Herbert, Worcester, Mass. Spacing-machine for card-clothing. No. 1,280,799; Oct. 8; v. 255; p. 217.
Midgley, Thomas, Lancaster, Ohio, assignor to Morgan & Wright. Tire-building machine. No. 1,254,827; Jan. 29; v. 246; p. 1094.
Midgley, Thomas, Worthington, Ohio. assignor to Morgan & Wright, Detroit, Mich. Tire-tread-building machine. No. 1,256,716; Feb. 19; v. 247; p. 545.
Midgley, Thomas, Worthington, Ohio, assignor to Morgan & Wright, Detroit, Mich. Mold for wheel-tires. No. 1,258,592; Mar. 5; v. 248; p. 188.
Midgley, Thomas, Sr., Columbus, Ohio. Manufacturing collapsible cores. No. 1,284,414; Nov. 12; v. 256; p. 286.
Midgley, Thomas, Sr., and T., Jr., Columbus, Ohio. Producing collapsible cores. No. 1,289,223; Dec. 31; v. 257; p. 864.
Midland Motor Company. (See Miller, John E., assignor.)
Midvale Steel Company, The. (See Kelley and Miller, assignors.)
Midwest Metals Company, The. (See Malm, John L., assignor.)
Miehle Printing Press & Manufacturing Company. (See Dittman, Samuel E., assignor.)
Miehle Printing Press & Manufacturing Company. (See Dudley, Edward F., assignor.)
Miehle Printing Press & Manufacturing Company. (See Henderson, Carl, assignor.)
Miehle Printing Press & Manufacturing Company. (See Kyle, John, assignor.)
Miehle Printing Press & Manufacturing Company. (See Lane, Blaine, and Henderson, assignors.)
Miehle, Robert, Chicago, Ill. Tripping mechanism for printing-presses. No. 1,268,262; June 4; v. 251; p. 54.
Miehle, Robert, Chicago, Ill. Mechanism for adjusting paper upon feed-boards. No. 1,272,075; July 9; v. 252; p. 405.
Miehle, Robert, Chicago, Ill. Mechanism for adjusting paper upon feed-boards. No. 1,273,081; July 16; v. 252; p. 713.
Miehle, Robert, Chicago, Ill. Means for holding and adjusting printing-plates. No. 1,288,645; Dec. 24; v. 257; p. 699.
Miehle, Robert, Chicago, Ill. Printing-plate holding and registering mechanism. No. 1,288,646; Dec. 24; v. 257; p. 700.
Mielcarek, Wladyslaw S., St. Louis, Mo. Adjustable crutch. No. 1,256,350; Feb. 12; v. 247; p. 402.
Mielke, Henry C., Rochester, N. Y. Ophthalmic-lens blank. No. 1,285,306; Nov. 19; v. 256; p. 548.
Miers, Elijah M., Wiarton, Ontario, Canada. Ice-skate. No. 1,263,091; Apr. 16; v. 249; p. 652.
Miers, Elijah M., Wiarton, Ontario, Canada. Ice-skate. No. 1,263,092; Apr. 16; v. 249; p. 652.
Miers, Elijah M., Wiarton, Ontario, Canada. Ice-skate. No. 1,263,093; Apr. 16; v. 249; p. 653.
Miesner, Martin D., Altenburg, Mo. Combined table and bed. No. 1,252,713; Jan. 8; v. 246; p. 402.
Miesner, Martin D., Wittenberg, Mo. Combination table and bed. No. 1,274,431; Aug. 6; v. 253; p. 25.
Miess, Alvyn R. (See Miess, Daniel E. and A. R.)
Miess, Alvyn R. and D. E., Covina, Cal. Generator for liquid-fuel burners. No. 1,264,322; Apr. 30; v. 249; p. 1044.
Miess, Daniel E. (See Miess, Alvyn R. and D. E.)
Miess, Daniel E. and A. R., Glendale, Cal. Liquid-fuel burner. No. 1,282,907; Oct. 29; v. 255; p. 889.
Miessner, Benjamin F., West Lafayette, Ind., and W. O. Miessner, Milwaukee, Wis. Electric music-chart. No. 1,268,376; June 4; v. 251; p. 87.
Miessner, William O. (See Miessner, Benjamin F. and W. O.)
Mifflin, Benjamin F., Trenton, N. J. Display-cabinet. No. 1,252,287; Jan. 1; v. 246; p. 245.
Miglioli, Enrico. (See Ferrari and Miglioli.)
Mihalinec, Joe, Menlo Park, Cal. T-square. No. 1,287,072; Dec. 10; v. 257; p. 252.
Mihalyi, Frank, assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,267,572; May 28; v. 250; p. 834.
Mihalyi, Frank, assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,285,775; Nov. 26; v. 256; p. 706.
Mihelakos, Leonidas K., Chicago, Ill. Tie. No. 1,270,645; June 25; v. 251; p. 789.
Mikelson, Nordal, Meckling, S. D. Corn-husking machine. No. 1,274,432; Aug. 6; v. 253; p. 26.
Mikkelsen, Christian, Beloit, Wis. Toe-box inserter. No. 1,275,069; Aug. 6; v. 253; p. 207.
Mikkelsen, Hans. (See Bahrenburg and Mikkelsen.)
Mikkelsen, Peder, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door check and closer. No. 1,259,428; Mar. 12; v. 248; p. 465.
Miko, Emry, *et al.* (See Szücs, Stephen, assignor.)
Mikulic, Milos N., Kansas City, Mo. Seat and back for barber-chairs. No. 1,265,474; May 7; v. 250; p. 165.
Milam, William W., Alex, Okla. Attachment for gin-feeders. No. 1,259,034; Mar. 12; v. 248; p. 355.
Milbrandt, Charles G., Duluth, Minn. Device for opening and closing doors of buildings. No. 1,255,770; Feb. 5; v. 247; p. 190.
Milbrath, Alexander C., Milwaukee, Wis. Camera. No. 1,286,708; Dec. 3; v. 257; p. 126.
Milbrath, William F., Austin, Minn. Vegetable-cutter. No. 1,282,100; Oct. 22; v. 255; p. 640.
Mildebrath, Willy H. R., Jacksonville, Fla. Course-indicator. No. 1,260,236; Mar. 19; v. 248; p. 728.
Mildner, William E., and L. Webster, Los Angeles, Cal. Furnace. No. 1,268,037; May 28; v. 250; p. 964.
Miles, Casper W., Anderson township, Hamilton county, Ohio. Method and apparatus for ventilating and refrigerating. No. 1,252,472; Jan. 8; v. 246; p. 332.
Miles, Charles H., Chicago, Ill. Piston-packing. No. 1,260,009; Mar. 19; v. 248; p. 665.
Miles, Don D. (See Connor and Miles.)
Miles, Edward J., Newton, Iowa. Engine-bearing burning-in and oil-burnishing machine. No. 1,274,304; July 30; v. 252; p. 1110.
Miles, Joseph N. (See Tinder, Staempfli, and Miles.)
Miles, Leon L. (See Brown and Miles.)

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Miles, Nelson C. (See Wills and Miles.)
Milhaupt, Edgar A., Los Angeles, Cal. Bumper. No. 1,279,398; Sept. 17; v. 254; p. 614.
Milke, Reinhold, San Francisco, Cal. Gas-turbine. No. 1,277,626; Sept. 3; v. 254; p. 82.
Mill Devices Company. (See Byrd, Britton E., assignor.)
Millar, Charles R. (See Luke and Millar.)
Millar, David, St. Louis, Mo. Tire. No. 1,252,921; Jan. 8; v. 246; p. 459.
Millar, John, Cincinnati, Ohio. Belt hinge-fastener. No. 1,283,442; Oct. 29; v. 255; p. 1031.
Millard, Bruce E., and F. B. Taylor, assignors of one-half to G. Sharp, San Diego, Cal. Spraying-nozzle. No. 1,276,245; Aug. 20; v. 253; p. 587.
Millard, Frank B. (See Hinegardner, Millard, and Bowman.)
Millard, Samuel B., New Orleans, La. Optician's measure. No. 1,281,806; Oct. 15; v. 255; p. 521.
Millard, Samuel F., Norwalk, Conn. Protector for pneumatic tires. No. 1,288,109; Dec. 17; v. 257; p. 543.
Millay, Frederick W. (See Barker and Millay.)
Millay, Frederick W. (See Sharpneck, Eliel L., assignor.)
Millea, John A., Rensselaer, N. Y. Device for stamping names or numbers. No. 1,263,094; Apr. 16; v. 249; p. 653.
Millea, Thomas D., Springfield, Mass., assignor to The Try-Me Manufacturing Company. Relief-valve. No. 1,282,613; Oct. 22; v. 255; p. 780.
Millen, Arthur, *et al.* (See Millen, Webster, assignor.)
Millen, Webster, assignor of one-third to A. Millen and one-third to W. L. Hubner, Reno, Nev. Automobile-wheel. No. 1,262,372; Apr. 9; v. 249; p. 418.
Millenaar, Pieter M., Lutherville, Md. Milk-pail. No. 1,269,950; June 18; v. 251; p. 574.
Miller, Albert E. (See Alley and Miller.)
Miller, Albert F. (See Peters, Fath, and Miller.)
Miller, Albert H. (See Kelley and Miller.)
Miller, Althea, New York, N. Y. Calendar. No. 1,270,431; June 25; v. 251; p. 731.
Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,274,182; July 30; v. 252; p. 1077.
Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. (Reissue.) No. 14,541; Oct. 22; v. 255; p. 811.
Miller, Andrew J. (See Booth, Miller, and Bokum.)
Miller, Archibald R., Helensburgh, Scotland. Clinometer. No. 1,277,102; Aug. 27; v. 253; p. 858.
Miller, Arthur R., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company. Brush connection. No. 1,282,101; Oct. 22; v. 255; p. 640.
Miller, B. S. (See Allen, Jesse H., assignor.)
Miller, Benjamin D., assignor of one-half to G. E. Morr, Wooster, Ohio. Match safe and delivery. No. 1,281,410; Oct. 15; v. 255; p. 416.
Miller, Benjamin J., St. Paul, Minn. Milking-machine. No. 1,286,052; Nov. 26; v. 256; p. 775.
Miller, Beri W., assignor of one-half to J. D. Heinen, Boise, Idaho. Signal apparatus for automobiles. No. 1,266,702; May 21; v. 250; p. 565.
Miller, Bernard J., Milwaukee, Wis. Leather-stamping machine. No. 1,256,351; Feb. 12; v. 247; p. 403.
Miller, Calvin C., Summithill, Pa. Figure toy. No. 1,257,093; Feb. 19; v. 247; p. 655.
Miller, Carl D., Kansas City, Mo. Grinder. No. 1,284,127; Nov. 5; v. 256; p. 183.
Miller, Carl W. (See Greinacher and Miller.)
Miller, Charles A., assignor to The Yale & Towne Mfg. Company, Stamford, Conn. Time-lock movement. No. 1,283,255; Oct. 29; v. 255; p. 983.
Miller, Charles G., Lee, Mass. Artificial Christmas tree. No. 1,252,922; Jan. 8; v. 246; p. 460.
Miller, Charles H., Libertyville, Iowa. Transmission mechanism. No. 1,278,975; Sept. 17; v. 254; p. 500.
Miller, Charles H., Kansas City, Mo. Crank-hanger bearing. No. 1,288,956; Dec. 24; v. 257; p. 774.
Miller, Charles H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,264,421; Apr. 30; v. 249; p. 1072.
Miller, Charles J. (See Mertens, Louis R., assignor.)
Miller, Charles J. (See Mertens and Binder, assignors.)
Miller, Charles L., Scottdale, Pa. Reciprocating mechanism. No. 1,280,269; Oct. 1; v. 255; p. 43.
Miller, Charles R., Collinsville, Tex. Grease-gun. No. 1,285,776; Nov. 26; v. 256; p. 707.
Miller, Charles T., Macon, Ga. Flushing-valve. No. 1,251,802; Jan. 1; v. 246; p. 108.
Miller, Charles T., Macon, Ga. Intermittently-operated flush-tank valve. No. 1,251,803; Jan. 1; v. 246; p. 109.
Miller, Charles T., Macon, Ga. Actuating device for automatic flush-tank valves. No. 1,251,804; Jan. 1; v. 246; p. 109.
Miller, Charles T., Macon, Ga. Water-supply valve. No. 1,275,718; Aug. 13; v. 253; p. 410.
Miller, Charles T., Macon, Ga. Bubbler drinking-fountain. No. 1,275,719; Aug. 13; v. 253; p. 410.
Miller, Charley E. (See Miller, Leroy R. and C. E.)
Miller, Christian, New York, N. Y., assignor to Edwards & Co. Door-releaser. No. 1,251,682; Jan. 1; v. 246; p. 72.
Miller, Clarence H., county of Bedford, England, assignor to Aktiebolaget Svenska Kullager Fabriken, Gottenborg, Sweden. Ball-bearing. No. 1,265,230; May 7; v. 250; p. 99.
Miller, Clifford O., assignor to W. J. Bohan, St. Paul, Minn. Ticket-holder. No. 1,277,987; Sept. 3; v. 254; p. 180.
Miller, Daniel D., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device. No. 1,251,556; Jan. 1; v. 246; p. 33.
Miller, Daniel D., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic switching device. No. 1,271,924; July 9; v. 252; p. 360.
Miller, David C., Tulsa, Okla. Wrench. No. 1,277,103; Aug. 27; v. 253; p. 858.
Miller, Dorr, Chicago, Ill. Differential gearing. No. 1,282,614; Oct. 22; v. 255; p. 780.
Miller, Edmund A. (See Twitchell, Charles R., assignor.)
Miller, Edward, Portland, Oreg. Garden-truck-weeding machine. No. 1,287,391; Dec. 10; v. 257; p. 333.
Miller, Edwin F., assignor of one-fourth to R. M. Bynum, Raleigh, N. C. Signal-recorder for locomotives. No. 1,259,429; Mar. 12; v. 248; p. 465.
Miller, Ellen. (See Miller, Joseph P., assignor.)
Miller, Ellis, London, England, assignor to The Radium Golf Ball Company, Limited, New York, N. Y. Golf and like ball. No. 1,260,788; Mar. 26; v. 248; p. 924.
Miller, Emanuel L. (See Niblack, Hobart C., assignor.)
Miller, Emma, Yonkers, N. Y. Field-hospital. No. 1,258,694; Mar. 12; v. 248; p. 256.
Miller, Emma L. N., Yonkers, N. Y. Ambulance. No. 1,263,918; Apr. 23; v. 249; p. 900.
Miller, Emma T., San Antonio, Tex. Boring-machine. No. 1,265,231; May 7; v. 250; p. 99.
Miller, Emmett S., Chicago, Ill. Mechanism for actuating and locking elevator-doors. No. 1,265,804; May 14; v. 250; p. 285.
Miller, Emory D. (See Strevy and Miller.)
Miller, Ephraim, assignor, by mesne assignments, to J. Bernet, Chicago, Ill. Lock for controlling-levers. No. 1,265,355; May 7; v. 250; p. 133.
Miller, Ernest B. (See Patten and Miller.)
Miller, Ernest W., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Electric controlling mechanism for washing-machines. No. 1,264,956; May 7; v. 250; p. 23.
Miller, Ethel E., Cleveland, Ohio. Aerial top. No. 1,270,313; June 25; v. 251; p. 698.
Miller, Floyd L., Idaho Springs, Colo. Respirator-mask. No. 1,288,647; Dec. 24; v. 257; p. 700.
Miller, Frank E., New York, N. Y. Truss-pad. No. 1,263,455; Apr. 23; v. 249; p. 774.
Miller, Frank E., New York, N. Y. Surgical device. No. 1,263,456; Apr. 23; v. 249; p. 774.
Miller, Frank E., New York, N. Y. Fixed selective stethoscope. No. 1,282,908; Oct. 29; v. 255; p. 889.
Miller, Frank E., New York, N. Y. Laryngoscope. No. 1,283,256; Oct. 29; v. 255; p. 983.
Miller, Frank E., New York, N. Y. Reducing bone abnormalities. No. 1,283,257; Oct. 29; v. 255; p. 983.
Miller, Frank J., Williamsport, Pa. Power-hacksaw. No. 1,264,202; Apr. 30; v. 249; p. 1011.
Miller, Frank L. (See Barker and Miller.)
Miller, Frank L., assignor to Perfection Wood Steaming Retort Co., Parkersburg, W. Va. Fastener for retort-doors. No. 1,262,226; Apr. 9; v. 249; p. 378.
Miller, Frank L., assignor to J. T. Callanan, Parkersburg, W. Va. Valve for air-compressors, &c. No. 1,280,063; Sept. 24; v. 254; p. 824.
Miller, Frank B., Jefferson City, Mo. Class-room sanitary wardrobe and blackboard. No. 1,268,038; May 28; v. 250; p. 965.
Miller, Frank P., Jr., Hoboken, N. J. Ice-cream-serving device. No. 1,255,906; Feb. 12; v. 247; p. 270.
Miller, Frank S., deceased, Indianapolis, Ind., assignor, by mesne assignments, to W. Langsenkamp, Jr., trustee. Air-lift-pump booster. (Reissue.) No. 14,479; June 4; v. 251; p. 210.
Miller, Frank W., Bethel, Mo. Fountain-pen. No. 1,258,593; Mar. 5; v. 248; p. 188.
Miller, Frank W., Chicago, Ill. Vacuum system. No. 1,273,900; July 30; v. 252; p. 997.
Miller, Fred W., Chicago, Ill. Oil-gage. No. 1,281,059; Oct. 8; v. 255; p. 283.
Miller, Frederick H., Wilkinsburg, and R. D. Brown, assignors of one-third to said Miller, one-third to said Brown, and one-third to H. L. Stitt, Pittsburgh, Pa. Signal-fusee. No. 1,273,260; July 23; v. 252; p. 787.
Miller, Frederick H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting device for automobiles. No. 1,283,417; Oct. 29; v. 255; p. 1025.
Miller, George A., Los Angeles, Cal. Drying-tumbler. No. 1,288,110; Dec. 17; v. 257; p. 543.
Miller, George B., Gloversville, N. Y. Coal-car cover. No. 1,270,646; June 25; v. 251; p. 789.
Miller, George L., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Roller-bearing. No. 1,282,450; Oct. 22; v. 255; p. 736.
Miller, George M., assignor to Slaymaker Lock Company, Lancaster, Pa. Auto-lock. No. 1,261,423; Apr. 2; v. 249; p. 123.
Miller, Guss A., Numa, Iowa. Sewing-machine. No. 1,258,594; Mar. 5; v. 248; p. 188.
Miller, Gustave L., Geneseo, Ill. Corn-husker. No. 1,253,508; Jan. 15; v. 246; p. 665.

Miller, Harley N., assignor to N. Weigler, Cleveland, Ohio. Sign-display apparatus. No. 1,254,924; Jan. 29; v. 246; p. 1123.
Miller, Harold C., Saginaw, Mich. Universal indicator. No. 1,269,728; June 18; v. 251; p. 514.
Miller, Harris B., Philadelphia, Pa. Vehicle. No. 1,285,773; Nov. 26; v. 256; p. 706.
Miller, Harry A., and F. M. Adamson, Los Angeles, Cal. Carbureter. No. 1,272,695; July 16; v. 252; p. 606.
Miller, Harry B., Syracuse, N. Y. Die-stock. No. 1,273,082; July 16; v. 252; p. 713.
Miller, Harry F., Bridgeport, Conn. Tightening device. No. 1,280,800; Oct. 8; v. 255; p. 217.
Miller, Harry H. (See Breen, James A., assignor.)
Miller, Harry L., and R. B. Fisher, assignors to The Buda Company, Chicago, Ill. Railway-switch structure. No. 1,255,455; Feb. 5; v. 247; p. 98.
Miller, Harvey B., Steubenville, Ohio. Car-axle and car-wheel. No. 1,257,911; Feb. 26; v. 247; p. 930.
Miller, Harvey L. (See Brundage and Miller.)
Miller, Harvey L., assignor to C. W. Parker, Leavenworth, Kans. Sectional platform for carousels. (Reissue.) No. 14,440; Mar. 5; v. 248; p. 205.
Miller, Harvey L., assignor to C. W. Parker, Leavenworth, Kans. Portable amusement device. No. 1,262,687; Apr. 16; v. 249; p. 536.
Miller, Henry C., Waterford, N. Y. Sound-box. No. 1,254,425; Jan. 22; v. 246; p. 946.
Miller, Henry C., Waterford, N. Y. Buttonhole-machine. No. 1,257,912; Feb. 26; v. 247; p. 931.
Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,286,709; Dec. 3; v. 257; p. 126.
Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,288,957; Dec. 24; v. 257; p. 774.
Miller, Henry D., Lawton, and S. B Lippincott, Oklahoma, Okla. Automatic fire preventer and extinguisher. No. 1,266,034; May 14; v. 250; p. 350.
Miller, Henry T., Yacolt, Wash. Gate-operating device. No. 1,277,334; Aug. 27; v. 253; p. 918.
Miller, Herbert G. (See King and Miller.)
Miller, Herbert G., The Dalles, Oreg. Coring-tool. No. 1,270,040; June 18; v. 251; p. 598.
Miller, Herbert G., The Dalles, assignor of one-half to Pacific Evaporator Company, Portland, Oreg. Slicing-machine. No. 1,270,039; June 18; v. 251; p. 598.
Miller, Herbert G., The Dalles, assignor to Pacific Evaporator Company, Portland, Oreg. Slicing-machine. No. 1,270,041; June 18; v. 251; p. 598.
Miller, Herman F., Wittenberg, Wis. Wagon-stake. No. 1,253,412; Jan. 15; v. 246; p. 639.
Miller, Hiram C., Parkesburg, Pa. Ash-sifter. No. 1,288,958; Dec. 24; v. 257; p. 775.
Miller, Irving P., *et al.* (See Blanchard, Frank E., assignor.)
Miller, Isaac N., Mount Vernon, Ill. Sanitary cuspidor. No. 1,251,805; Jan. 1; v. 246; p. 110.
Miller, Jacob E., and T. J. Fox, Coon Rapids, Iowa; said Miller assignor to said Fox. Disk garden-plow. No. 1,253,860; Jan. 15; v. 246; p. 766.
Miller, James S., Unity Station, Pa. Hoisting-bucket mechanism. No. 1,259,035; Mar. 12; v. 248; p. 355.
Miller, John. (See Manor and Miller.)
Miller, John, Jr., Beloit, Wis., assignor to Charles H. Besly & Company, Chicago, Ill. Bearing for disk grinders. No. 1,272,493; July 16; v. 252; p. 547.
Miller, John, Jr., Amesbury, assignor to L. H. Shipman, Boston, Mass. Trolley harp and shoe. No. 1,283,418; Oct. 29; v. 255; p. 1026.
Miller, John E., Moline, Ill., assignor to Midland Motor Company. Pneumatic starting device for internal-combustion engines. No. 1,268,039; May 28; v. 250; p. 965.
Miller, John F., Trail, British Columbia, Canada. Machine for casting lead pigs. No. 1,255,102; Jan. 29; v. 246; p. 1171.
Miller, John F., Trail, British Columbia, Canada. Lead-supply system for pig-casting machines. No. 1,255,103; Jan. 29; v. 246; p. 1171.
Miller, John H. K., Wandsworth, London, England. Device for augmenting the heating of liquids in kettles and other vessels. No. 1,254,523; Jan. 22; v. 246; p. 974.
Miller, John J., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada. Box-assembling machine. No. 1,252,014; Jan. 1; v. 246; p. 168.
Miller, John J. A., Denver, Colo. Combination-wrench. No. 1,276,093; Aug. 20; v. 253; p. 546.
Miller, John L., Fort Collins, Colo. Automobile attachment. No. 1,257,094; Feb. 19; v. 247; p. 655.
Miller, John M. (See Horton and Miller.)
Miller, John W., assignor to Boeing Airplane Company, Seattle, Wash. Clip for attaching to wires. No. 1,284,918; Nov. 12; v. 256; p. 412.
Miller, John W., assignor to Boeing Airplane Company, Seattle, Wash. Joint-fitting for truss structures. No. 1,284,919; Nov. 12; v. 256; p. 412
Miller, John Z., Indianapolis, Ind. Clutch-lock for automobiles. No. 1,260,237; Mar. 19; v. 248; p. 728.
Miller, John Z., Erie, Pa. Telephone-transmitter. No. 1,266,530; May 14; v. 250; p. 486.
Miller, Joseph, *et al.* (See Shanisey, Frederick J., Sr., assignor.)
Miller, Joseph P., assignor of one-half to E. Miller, Philadelphia, Pa. Automobile safety-box. No. 1,251,806; Jan. 1; v. 246; p. 110.
Miller, Joseph S., Pittsburgh, Pa. Cheese-slicing machine. No. 1,265,232; May 7; v. 250; p. 99.
Miller, Joseva, Pasadena, Cal. Electric waffle-stove. No. 1,255,771; Feb. 5; v. 247; p. 190.
Miller, Julius, Los Angeles, Cal. Grinding-machine. No. 1,262,540; Apr. 9; v. 249; p. 465.
Miller, Julius J., St. Joseph, Mich., assignor, by mesne assignments, to Wirebounds Patents Company, Kittery, Me. Wire-bound-box-blank machine. No. 1,260,932; Mar. 26; v. 248; p. 962.
Miller, Julius J., St. Joseph, Mich., assignor, by mesne assignments, to Wirebounds Patents Company, Kittery, Me. Wire-bound-box machine. No. 1,260,986; Mar. 26; v. 248; p. 976.
Miller, Julius J., St. Joseph, Mich. Wire-bound box and manufacture thereof. No. 1,262,688; Apr. 16; v. 249; p. 536.
Miller, Karl H., and F. A. Dunn, Salina, Kans. Guard for band-saws. No. 1,258,695; Mar. 12; v. 248; p. 256.
Miller, Larkin J., Union Starr, assignor of one-half to J. J. Meek, Rea, Mo. Wrench. No. 1,280,802; Oct. 8; v. 255; p. 217.
Miller, Leo S., assignor of one-half to B. A. Steinberg, Denver, Colo. Pumping apparatus. No. 1,280,519; Oct. 1; v. 255; p. 112.
Miller, Leon H., and E. L. Jackson, Detroit, Mich. Crank-shaft twister. No. 1,282,272; Oct. 22; v. 255; p. 687.
Miller, Leonard W., Fort Jones, Cal. Folding table. No. 1,277,988; Sept. 3; v. 254; p. 180.
Miller, Leroy R. and C. E., Poplar Bluff, Mo. Stovepipe-fastener. No. 1,280,520; Oct. 1; v. 255; p. 113.
Miller, Lewis A., Live Oak, Fla. Combination evaporator and canning-machine. No. 1,257,725; Feb. 26; v. 247; p. 877.
Miller, Lewis A., Scottdale, Pa. Implement for cutting slate. No. 1,275,459; Aug. 13; v. 253; p. 338.
Miller Lock Company. (See Meadowcroft, Charles W., Sr., assignor.)
Miller, Louis A., Fresno, assignor to Schmidt Lithograph Company, San Francisco, Cal. Fruit-carton. No. 1,265,475; May 7; v. 250; p. 165.
Miller, Louis G., and F. C. Dankmyer, Westmont borough, Pa. Uncoupling device. No. 1,278,976; Sept. 17; v. 254; p. 501.
Miller, Louis G., and E. C. Long, Westmont borough, Pa. Reinforcing and hinge plate for cars. No. 1,251,683; Jan. 1; v. 246; p. 73.
Miller, Louis G., and E. C. Long, Westmont borough, Pa. Combined reinforcing-plate and hinge for car-doors. No. 1,254,257; Jan. 22; v. 246; p. 898.
Miller, Louis G., and E. C. Long, Westmont borough, Pa. Brake-lever strut. No. 1,278,977; Sept. 17; v. 254; p. 501.
Miller, Louis G., and E. C. Long, Westmont borough, Pa. Door for cars. No. 1,280,270; Oct. 1; v. 255; p. 43.
Miller, Louis G., and E. C. Long, Westmont borough, Pa. Car-door. No. 1,282,703; Oct. 22; v. 255; p. 805.
Miller, Louis W., assignor to J. B. Warren, Rochester, N. Y. Signal system. No. 1,278,709; Sept. 10; v. 254; p. 399.
Miller, Lulu H., Brooklyn, N. Y. Apparatus for folding gauze for surgical dressings, &c. No. 1,268,596; June 4; v. 251; p. 150.
Miller, Luther, Rio, La. Cylinder-lubricating means for internal-combustion engines. No. 1,280,801; Oct. 8; v. 255; p. 217.
Miller, Marshall, and T. S. Leake, Chicago, Ill. Automatic coaling-station. No. 1,288,959; Dec. 24; v. 257; p. 775.
Miller, Martin I., Gwynneville, Ind. Animal-catcher. No. 1,270,647; June 25; v. 251; p. 790.
Miller, Mary, Theresa, Wis. Brooder. No. 1,262,541; Apr. 9; v. 249; p. 466.
Miller, Mary, Theresa, Wis. Seed-sprouter. No. 1,267,330; May 21; v. 250; p. 739.
Miller, Max A., Maywood, Ill. Signaling system for motor-vehicles. No. 1,278,492; Sept. 10; v. 254; p. 338.
Miller, Max B., Long Island City, N. Y., assignor to Sharples Specialty Company, West Chester, Pa. Centrifugal separator. No. 1,257,516; Feb. 26; v. 247; p. 814.
Miller, Max C., Providence, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Knitting-machine. No. 1,261,050; Apr. 2; v. 249; p. 18.
Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Knitting-machine. No. 1,262,967; Apr. 16; v. 249; p. 615.
Miller, Max K., Detroit, Mich. Electric incubator. No. 1,289,510; Dec. 31; v. 257; p. 936.
Miller, Monroe E., Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Variable escapement. No. 1,286,186; Nov. 26; v. 256; p. 807.
Miller, Nickoll, New York, N. Y. Traffic-direction signal. No. 1,281,192; Oct. 8; v. 255; p. 323.
Miller, Nils, Portland, Oreg., assignor, by mesne assignments, to Portland Industrial Company. Door-hanger. No. 1,253,509; Jan. 15; v. 246; p. 665.
Miller, Norman B., Brooklyn, N. Y. Packing. No. 1,265,233; May 7; v. 250; p. 100.

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Miller, Norman, and H. B. Irvin, Durant, Okla. Carfender. No. 1,264,203; Apr. 30; v. 249; p. 1011.
Miller, Oras, Spencerville, Ohio. Combination hot-air heater. No. 1,285,777; Nov. 26; v. 256; p. 707.
Miller, Otis A., Cleveland, Ohio. Hydraulic treating-table. No. 1,261,424; Apr. 2; v. 249; p. 123.
Miller, Peter A., Caro, Mich. Weather-frame for windshields and automobile-bodies. No. 1,289,224; Dec. 31; v. 257; p. 864.
Miller, Peter J. (See Schaefer and Miller.)
Miller, Ralph C. (See Jones and Miller.)
Miller, Ralph E., Parshall, N. D. Swivel connection. No. 1,270,538; June 25; v. 251; p. 761.
Miller, Reuben, Pittsburgh, Pa. Packing or shipping case. No. 1,256,031; Feb. 12; v. 247; p. 306.
Miller, Reuben, Jr., Pittsburgh, Pa. Trailer-truck. No. 1,287,727; Dec. 17; v. 257; p. 447.
Miller, Richard, Appleton, Wis. Bowling-pin. No. 1,257,377; Feb. 26; v. 247; p. 773.
Miller, Robert E., New York, N. Y. Sliding caster for furniture. No. 1,252,827; Jan. 8; v. 246; p. 433.
Miller, Robert H. (See Girtanner and Miller.)
Miller, Robert L. (See Berlin, Frank E., assignor.)
Miller, Robert P., assignor to Union Iron Works of Los Angeles, Los Angeles, Cal. Light-diffusing means for motion-picture studios. No. 1,271,056; July 2; v. 252; p. 86.
Miller, Roy C., Philadelphia, Pa. Combination cleaning outfit. No. 1,255,772; Feb. 5; v. 247; p. 191.
Miller Rubber Company, The. (See Lerch and Whisler, assignors.)
Miller, S. E., *et al.* (See Wentz, Robert F., assignor.)
Miller, Samuel C., assignor to L. Jones, Louisville, Ky. Collapsible container. No. 1,269,483; June 11; v. 251; p. 414.
Miller, Samuel M. D., Detroit, Mich. Clutch. No. 1,279,136; Sept. 17; v. 254; p. 541.
Miller, Samuel M. D., Detroit, Mich. Clutch. No. 1,279,137; Sept. 17; v. 254; p. 541.
Miller, Shrewsbury B., Fairmont, W. Va. Playing-cards. No. 1,289,511; Dec. 31; v. 257; p. 936.
Miller, Sigfrid, Oakland, Cal. Auto-bed. No. 1,276,095; Aug. 20; v. 253; p. 546.
Miller, Sigfrid A., Oakland, Cal. Folding bed. No. 1,276,094; Aug. 20; v. 253; p. 546.
Miller, Thomas B., assignor to Wireless Instrument Co., Seattle, Wash. Mount for crystal detectors. No. 1,277,627; Sept. 3; v. 254; p. 82.
Miller, Thomas D., Catonsville, Md. Can-deheading machine. No. 1,263,338; Apr. 16; v. 249; p. 718.
Miller, Thomas H. (See Sanford, Miller, and Torrey.)
Miller, Thomas S., South Orange, N. J. Load hoisting and transfer apparatus. No. 1,252,474; Jan. 8; v. 246; p. 333.
Miller, Thomas S., South Orange, N. J. Excavating cableway apparatus. No. 1,262,227; Apr. 9; v. 249; p. 379.
Miller, Thomas S., South Orange, N. J., and L. G. Ruggles, New York, N. Y., assignors of one-half to Lidgerwood Manufacturing Company. Hoisting-engine. No. 1,252,473; Jan. 8; v. 246; p. 333.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Ear-cushion. No. 1,254,629; Jan. 22; v. 246; p. 1005.
Miller Train Control Corporation, The. (See Murray, William B., assignor.)
Miller Vehicle Heater Company. (See Miller, William H., assignor.)
Miller, Victor, St. Paul, Minn. Gate. No. 1,253,510; Jan. 15; v. 246; p. 666.
Miller, Volney T., assignor of one-half to R. B. Cochran, Hutchinson, Kans. Attachment for telephones. No. 1,253,861; Jan. 15; v. 246; p. 766.
Miller, Walter H., Orange, N. J. Device for shaving phonograph records or blanks. No. 1,274,183; July 30; v. 252; p. 1077.
Miller, William A., St. Louis, Mo. Guard for pocket-books. No. 1,254,426; Jan. 22; v. 246; p. 946.
Miller, William G., Kansas City, Mo. Indicator for pressure-regulators. No. 1,263,919; Apr. 23; v. 249; p. 900.
Miller, William G., Kansas City, Mo. Pressure-regulator. No. 1,263,920; Apr. 23; v. 249; p. 901.
Miller, William G. Toronto, Ontario, Canada, assignor of one-third to M. J. McLeod and one-third to W. J. Houston, Detroit, Mich. Controlling mechanism for roller fire-shutters. No. 1,254,149; Jan. 22; v. 246; p. 868.
Miller, William H., assignor to Miller Vehicle Heater Company, Crawfordsville, Ind. Butcher's vat. No. 1,257,726; Feb. 26; v. 247; p. 877.
Miller, William H., assignor to Miller Vehicle Heater Company, Crawfordsville, Ind. Portable drinking-fount. No. 1,258,925; Mar. 12; v. 248; p. 322.
Miller, William H., assignor to Miller Vehicle Heater Company, Crawfordsville, Ind. Automobile-radiator heater. No. 1,260,238; Mar. 19; v. 248; p. 728.
Miller, William H., assignor to Miller Vehicle Heater Company, Crawfordsville, Ind. Snow-shovel and ice-chopper. No. 1,260,276; Mar. 19; v. 248; p. 739.
Miller, William J. (See Jones and Miller.)
Miller, William J., Swissvale borough, Pa. Process and apparatus for controlling the flow of glass. No. 1,260,428; Mar. 26; v. 248; p. 818.
Miller, William J., Swissvale borough, Pa. Glass-machine. No. 1,276,392; Aug. 20; v. 253; p. 630.
Miller, William J., Detroit, Mich. Mixer. No. 1,270,539; June 25; v. 251; p. 762.
Miller, William J., assignor of one-half to A. Otis, Orange, Tex. Reversible chuck-jaw. No. 1,261,265; Apr. 2; v. 249; p. 77.
Miller, Willis K., Carlisle, Pa. Umbrella. No. 1,274,305; July 30; v. 252; p. 1110.
Millers, James M., Vancouver, British Columbia, Canada. Non-refillable bottle. No. 1,273,083; July 16; v. 252; p. 714.
Milles, Thomas E., Pittsburgh, Pa. Copy-holder. No. 1,286,053; Nov. 26; v. 256; p. 775.
Millholland, William K., Indianapolis, Ind. Chuck. No. 1,263,270; Apr. 16; v. 249; p. 700.
Millholland, William K., Indianapolis, Ind. Stop mechanism for machine-tool turrets. No. 1,270,187; June 18; v. 251; p. 638.
Millhouse, Henry, assignor of one-half to G. V. Lillig, Chicago, Ill. Trick toy. No. 1,271,057; July 2; v. 252; p. 86.
Milligan, Albert L., Dallas, Tex. Attachment for carbureters. No. 1,258,696; Mar. 12; v. 248; p. 256.
Milligan, Clifford V., Houston, Tex. Hat-blocker. No. 1,264,323; Apr. 30; v. 249; p. 1044.
Milligan, George R., Los Angeles, Ca. Traction attachment for automobiles. No. 1,275,720; Aug. 13; v. 253; p. 411.
Milligan, Samuel G., Harwick, Pa. Valve device for internal-combustion engines. No. 1,260,933; Mar. 26; v. 248; p. 962.
Milliken, Foster, Lawrence, N. Y. Street-light. No. 1,264,114; Apr. 23; v. 249; p. 952.
Milliken, Foster, Lawrence, N. Y. Alloy. No. 1,277,989; Sept. 3; v. 254; p. 180.
Milliken, Foster, Lawrence, N. Y. Street-lamp. No. 1,283,858; Nov. 5; v. 256; p. 111.
Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft-rigging. No. 1,284,415; Nov. 12; v. 256; p. 286.
Milliken, John T. (See Hubert, Henry J., assignor.)
Million, Manfred, Adrian, Mich., assignor of one-third to O. J. Linendoll, Denver, Colo. Spring-wheel. No. 1,284,416; Nov. 12; v. 256; p. 287.
Million, Robert J., Monticello, Ind. Safety tractor-hitch. No. 1,260,240; Mar. 19; v. 248; p. 729.
Million, Robert J., Monticello, Ind. Transmission mechanism. No. 1,260,239; Mar. 19; v. 248; p. 729.
Millington, Theodore H., Pontiac, Mich. Power-transmitting means for motor-driven vehicles. No. 1,273,519; July 23; v. 252; p. 856.
Millington, Theodore H., Winnetka, Ill. Power-transmitting means for motor-vehicles. No. 1,274,068; July 30; v. 252; p. 1044.
Milliorn, William L., El Paso, Tex. Lifter and turner. No. 1,256,246; Feb. 12; v. 247; p. 371.
Mills, Anson C., assignor to Jackson Fence Company, Jackson, Mich. Tensioning device for wire-fabric machines. No. 1,282,909; Oct. 29; v. 255; p. 889.
Mills, Anson C., assignor to Jackson Fence Company, Jackson, Mich. Stay-wire spacer for wire-fabric machines. No. 1,282,910; Oct. 29; v. 255; p. 890.
Mills, Anson C., assignor to Jackson Fence Company, Jackson, Mich. Splice-indicator for fence-machines. No. 1,282,911; Oct. 29; v. 255; p. 890.
Mills, A. J. (See Gensch, Hermann, assignor.)
Mills, Bertie E., assignor to Mills Novelty Company, Chicago, Ill. Weighing-scale. No. 1,272,835; July 16; v. 252; p. 646.
Mills, Bertie E., assignor to Mills Novelty Company, Chicago, Ill. Weighing-scale. No. 1,272,836; July 16; v. 252; p. 646.
Mills, Bert, Oroville, Wash. Package-tie. No. 1,280,064; Sept. 24; v. 254; p. 824.
Mills, Byron T., Las Vegas, N. Mex. Base-board attachment for type-writing machines. No. 1,289,861; Dec. 31; v. 257; p. 1021.
Mills, Charles. (See Hall, William J., assignor.)
Mills, Chester B., East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible shaft-coupling. No. 1,266,609; May 21; v. 250; p. 539.
Mills Devices Company. (See Byrd, Britton E., assignor.)
Mills, Elby R., Sabina, Ohio. Liquid-dispenser. No. 1,278,710; Sept. 10; v. 254; p. 399.
Mills, Emory S., and A. A. McLaughlin, assignors to Muncie Wheel Company, Muncie, Ind. Tractor. No. 1,285,307; Nov. 19; v. 256; p. 549.
Mills, George W., Jr., Brooklyn, N. Y. Neckwear. No. 1,273,261; July 23; v. 252; p. 787.
Mills, George W., Jr., Brooklyn, N. Y. Neckwear. No. 1,273,262; July 23; v. 252; p. 787.
Mills, George W., Jr., New York, N. Y. Necktie. No. 1,273,263; July 23; v. 252; p. 787.
Mills, Henry R. (See Carr and Mills.)
Mills, Herbert S. (See Sandell, Henry K., assignor.)
Mills, John, Newark, N. J. Seesaw. No. 1,263,917; Apr. 23; v. 249; p. 900.
Mills, John, Brookline, assignor to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. No. 1,274,352; July 30; v. 252; p. 1122.
Mills, Melvin A., Methuen, Mass. Bearing-engine. No. 1,272,837; July 16; v. 252; p. 647.
Mills Novelty Company. (See Mills, Bertie E., assignor.)

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Mills Novelty Company. (See Mancel, Joseph J., assignor.)
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Mills, Richard I., Roosevelt, Utah. Adjustable shade. No. 1,274,925; Aug. 6; v. 253; p. 166.
Mills, Samuel E., Raymondville, Tex. Cultivator. No. 1,286,710; Dec. 3; v. 257; p. 127.
Mills, Walter C., Union City, Ind. Playground device. No. 1,265,476; May 7; v. 250; p. 166.
Mills, Wellington. (See Hines and Mills.)
Mills, William, Birmingham, and W. Morgan, Bristol, England; said Morgan assignor to said Mills. Fuse and the like for grenades, projectiles, land-mines, and the like. No. 1,262,825; Apr. 16; v. 249; p. 576.
Mills, William H., Sherman, N. Y. Rail-joint. No. 1,274,926; Aug. 6; v. 253; p. 166.
Mills, William S., Florence, S. C. Grease-trap. No. 1,270,648; June 25; v. 251; p. 790.
Millsaps, Daniel W., Washington, D. C. Door. No. 1,273,520; July 23; v. 252; p. 856.
Millspaugh, James H., Guthrie, Okla. Circuit-breaker. No. 1,276,557; Aug. 20; v. 253; p. 675.
Millspaugh, William H., assignor to Sandusky Foundry & Machine Company, Sandusky, Ohio. Treating, molding, and casting metals. No. 1,279,399; Sept. 17; v. 254; p. 614.
Millville Machine Company. (See Thompson, Parke H., assignor.)
Millward, Thomas, San Francisco, Cal. Carbonating-machine. No. 1,259,894; Mar. 19; v. 248; p. 630.
Milman, Maurice H., Brooklyn, N. Y., assignor of one-half to E. Heller, Wilkes-Barre, Pa. Window-screen. No. 1,265,477; May 7; v. 250; p. 166.
Milmoe, Michael J., assignor to W. C. Ritchie & Company, Chicago, Ill. Box-making machine. No. 1,267,101; May 21; v. 250; p. 676.
Milmoe, Michael J., and F. B. Redington, assignors to W. C. Ritchie & Company, Chicago, Ill. Box-necking machine. No. 1,282,102; Oct. 22; v. 255; p. 640.
Miln, James, Toronto, Ontario, Canada. Coated paper. No. 1,265,356; May 7; v. 250; p. 133.
Miln, James, Toronto, Ontario, Canada. Coated paper. No. 1,265,357; May 7; v. 250; p. 134.
Milne, David S. (See Erich and Milne.)
Milne, Robert, assignor to Ward Pump Company, Rockford, Ill. Drive-gearing for pump outfits. No. 1,267,889; May 28; v. 250; p. 924.
Milne, Robert, assignor to Ward Pump Company, Rockford, Ill. Apparatus for making cup-leathers. No. 1,288,111; Dec. 17; v. 257; p. 543.
Milne, Robert F., *et al.* (See Hayes, John O., assignor.)
Milne, Samuel, Edinburgh, Scotland. Apparatus for washing or similarly treating pulp. No. 1,267,683; May 28; v. 250; p. 864.
Milne, William J. (See Helms and Blevins, assignors.)
Milner, B. B. (See Hentz, Albert G., assignor.)
Milner, Guy M., Salt Lake City, Utah. Exposure-meter. No. 1,284,744; Nov. 12; v. 256; p. 367.
Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Method of and means for compensating for disturbances of earth potential. No. 1,254,828; Jan. 29; v. 246; p. 1095.
Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Means for compensating for disturbances of earth potential. No. 1,254,829; Jan. 29; v. 246; p. 1095.
Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Means for compensating for disturbances of earth potential. No. 1,254,830; Jan. 29; v. 246; p. 1096.
Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Methods of and means for correcting for alternating-current electromagnetic induction and for alternating-current earth potential. No. 1,254,831; Jan. 29; v. 246; p. 1096.
Milone, Joseph, Danielson, Conn. Box. No. 1,282,912; Oct. 29; v. 255; p. 890.
Milson, John R., Watertown, assignor of one-half to J. J. Burns, Boston, Mass. Chemical-mixing apparatus. No. 1,267,102; May 21; v. 250; p. 677.
Milton, John L., assignor to The Teagle Company, Cleveland, Ohio. Coil-case and terminal. No. 1,275,170; Aug. 6; v. 253; p. 233.
Milton Chemical Company. (See Vining, Herbert A., assignor.)
Milwaukee Chair Company. (See Hasty and Atwood, assignors.)
Milwaukee Locomotive Manufacturing Company. (See Sheldon, Frank D., assignor.)
Milwaukee Reliance Boiler Works. (See Sharp, John E., assignor.)
Minar, David Q., Upland, Cal. Adjustable combined wood and coal heater. No. 1,266,138; May 14; v. 250; p. 380.
Minard, Ernest E., Detroit, Mich. Air and oil filter. No. 1,289,512; Dec. 31; v. 257; p. 936.
Mincher, John T., and E. L. Wright, Dillard, Mo. Rail-joint. No. 1,284,417; Nov. 12; v. 256; p. 287.
Mindell, William, *et al.* (See Preston, Edward, assignor.)
Minderfer, John W., Lincoln, Nebr. Grease-box plug-lock. No. 1,258,595; Mar. 5; v. 248; p. 189.
Mine & Smelter Supply Company, The. (See Johnson, Oscar H., assignor.)
Minekime, William H., Water Valley, N. Y. Water-regulator. No. 1,267,103; May 21; v. 250; p. 677.
Miner, James H., Lumberton, Miss. Flange-lubricator. No. 1,269,300; June 11; v. 251; p. 365.
Miner, James H., Lumberton, Miss., Flange-lubricator. No. 1,271,058; July 2; v. 252; p. 87.
Miner, John C., Security, Tex. Self-cleaning harrow and cultivator. No. 1,255,035; Jan. 29; v. 246; p. 1152.
Miner, Louis H., Haverhill, Mass. Spray-nozzle. No. 1,279,400; Sept. 17; v. 254; p. 614.
Miner, Newton E., Grand Rapids, Mich. Railway-tie. No. 1,253,862; Jan. 15; v. 246; p. 766.
Miner, Ralph C. (See Conrad and Miner.)
Miner, William H. (See Bock, William A., assignor.)
Miner, William H. (See Campbell, Argyle, assignor.)
Miner, William H. (See Dath, Charles E., assignor.)
Miner, William H. (See Geiger, William A., assignor.)
Miner, William H. (See Harris, Joseph, assignor.)
Miner, William H. (See Haseltine, Stacy B., assignor.)
Miner, William H. (See Hveem, John J., assignor.)
Miner, William H. (See Johnson, Bradley S., assignor.)
Miner, William H. (See Johnson, George A., assignor.)
Miner, William H. (See Lewis, Goodrich Q., assignor.)
Miner, William H. (See Mitchell, John R., assignor.)
Miner, William H. (See O'Connor, John F., assignor.)
Miner, William H. (See O'Connor and Mitchell, assignors.)
Miner, William H. (See Patch, Calvin B., assignor.)
Miner, William H. (See Williams, Keith, assignor.)
Miner, William H., Chazy, N. Y. Roller side bearing. No. 1,252,358; Jan. 1; v. 246; p. 263.
Miner, William H., Chazy, N. Y. Friction draft-gear for railway-cars. No. 1,252,359; Jan. 1; v. 246; p. 263.
Miner, William H., Chazy, N. Y. Draft-rigging for railway-cars. No. 1,255,907; Feb. 12; v. 247; p. 270.
Miner, William H., Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,711; Dec. 3; v. 257; p. 127.
Miners, William S., Fort William, Ontario, Canada. Combined sky-rocket and aeroplane. No. 1,280,803; Oct. 8; v. 255; p. 218.
Mineral Products Corporation. (See Hagedorn, Carl F., assignor.)
Mineral Products Corporation. (See Hornsey, John W., assignor.)
Mineral Products Company, The. (See Hershman, Paul R., assignor.)
Mineral Products Corporation. (See Chappell, Howard F., assignor.)
Mineral Refining and Chemical Corporation. (See Llopart, Ramón B., assignor.)
Minerals Separation North American Corporation. (See Hebbard, James, assignor.)
Minerals Separation North American Corporation. (See Faul and Lavers, assignors.)
Minerals Separation North American Corporation. (See Hibbard and Harvey, assignors.)
Minerals Separation North American Corporation. (See Scott, Walter A., assignor.)
Minger, John A., Bern, Kans. Washing-machine. No. 1,258,596; Mar. 5; v. 248; p. 189.
Minich, Russell H., Philadelphia, Pa. Car-brake. No. 1,281,193; Oct. 8; v. 255; p. 324.
Mininberg, Nathan, Dickinson, N. D. Surgical appliance. No. 1,276,943; Aug. 27; v. 253; p. 814.
Minium, Abram E., Denver, Colo. Combined driving and steering mechanism. No. 1,265,358; May 7; v. 250; p. 134.
Mink, Benjamin L., Philadelphia, Pa. Flagstaff. No. 1,254,524; Jan. 22; v. 246; p. 974.
Minkler, George M., Spokane, Wash. Gold-recovery device. No. 1,254,718; Jan. 29; v. 246; p. 1060.
Minn, Bernard A., Milwaukee, Wis. Return-chute for pool-tables. No. 1,272,494; July 16; v. 252; p. 548.
Minneapolis Heat Regulator Company. (See Denison, Frederick S., assignor.)
Minneapolis Heat Regulator Co. (See Denison, Frederick S., assignor.)
Minneapolis Steel & Machinery Co. (See Smith, Paul D., assignor.)
Minnesota Manufacturing Association. (See Bend, Charles M., assignor.)
Minnesota Tank & Silo Company. (See Pennock, Edward M., assignor.)
Minnetonna Company. (See McLaughlin and Nicoll, assignors.)
Minnich, Mary C. (See Minnich, Simon B., assignor.)
Minnich, Simon B., assignor to M. C. Minnich, Landisville, Pa. Joining bale-ties. No. 1,285,308; Nov. 19; v. 256; p. 549.
Minnick, William F., Cleveland, Ohio. Piston. No. 1,255,036; Jan. 29; v. 246; p. 1153.
Minnis, George F., Chicago, Ill. Window-washer's safety device. No. 1,284,128; Nov. 5; v. 256; p. 183.
Minnis, George F., Chicago, Ill. Anchoring device. No. 1,260,429; Mar. 26; v. 248; p. 818.
Minnis, Henry M., Wylie, Tex. Universal vise and carpenter's tool. No. 1,288,112; Dec. 17; v. 257; p. 543.
Minoff, Charles, Brooklyn, N. Y. Checker-board. No. 1,286,385; Dec. 3; v. 257; p. 49.

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Minor, Louis S., Portsmouth, Ohio. Receptacle. No. 1,271,602; July 9; v. 252; p. 270.
Minter, Maurice M., assignor of one-half to P. J. Brown, Albany, Ga. Kiln. No. 1,272,495; July 16; v. 252; p. 548.
Minton, Lawrence E., Denver, Colo. Smoke-consumer. No. 1,279,895; Sept. 24; v. 254; p. 779.
Minton, Ogden, Brooklyn, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,280,065; Sept. 24; v. 254; p. 824.
Minton, Robert R., Cleveland, Ohio. Telemetric signal. No. 1,276,558; Aug. 20; v. 253; p. 675.
Minton, William E., Kansas City, Mo. Well-cleaning device. No. 1,260,241; Mar. 19; v. 248; p. 729.
Minton, William E. (See Gregory, and Minton.)
Mintz, Abraham, New York, N. Y. Ironing-board. No. 1,277,990; Sept. 3; v. 254; p. 180.
Mintz, Frederick. (See Keller, Gustav, assignor.)
Mioton, Sidney F., New Orleans, La. Fluid-measuring device. No. 1,288,113; Dec. 17; v. 257; p. 544.
Mira, Horacio, Boston, Mass. Dental casting-machine. No. 1,283,859; Nov. 5; v. 256; p. 112.
Miracky, Barney J., Little Ferry, N. J., assignor to National Biscuit Company, New York, N. Y. Cake-coating machine. No. 1,255,624; Feb. 5; v. 247; p. 147.
Mirmillo, Charles, Oakland, Cal. Gun. No. 1,272,293; July 9; v. 252; p. 466.
Mischanski, Stephen A., assignor of one-half to A. Wojtkowski, Bayonne, N. J. Game apparatus. No. 1,276,676; Aug. 20; v. 253; p. 707.
Misener & Irving Manufacturing Co. (See Misener, Skroback, and Sanders, assignors.)
Misener, John I., and W. S. Sanders; said Misener assignor to Misener & Irvin Manufacturing Co., Syracuse, N. Y. Metal-cutting tool. No. 1,281,627; Oct. 15; v. 255; p. 472.
Misener, John I., F. E. Skroback, and W. S. Sanders, assignors to Misener & Irving Manufacturing Co., Syracuse, N. Y. Metal-cutting tool. No. 1,283,258; Oct. 29; v. 255; p. 983.
Mishawaka Woolen Manufacturing Company. (See Bradley, Charles E., assignor.)
Mishawaka Woolen Manufacturing Company. (See Warner, Adna D., assignor.)
Mishoe, Henry W., and L. W. Mansell, West Enfield, Me. Self-propelled sleigh. No. 1,276,246; Aug. 20; v. 253; p. 588.
Miskin, Arthur R., Idaho Falls, Idaho. Earth-scraper. No. 1,269,484; June 11; v. 251; p. 414.
Mispel, Paul, New Lenox, Mass. Electric water-heater. No. 1,281,051; Oct. 8; v. 255; p. 284.
Missar, Joseph A. (See Hudson, Frederick, assignor.)
Mississippi Glass Company. (See Gundlach, Conrad J., assignor.)
Mississippi Valley Iron Company. (See Goltra, Maffitt, Dana, and Erwin, assignors.)
Missouri Lamp and Manufacturing Company. (See Seim, August, assignor.)
Misun, George A., Milwaukie, Oreg. Shadowless lantern. No. 1,262,968; Apr. 16; v. 249; p. 616.
Mitchell, Amos, assignor of one-fourth to T. B. Kennedy and one-fourth to J. H. Munden, Kirksville, Mo. Pump. No. 1,266,974; May 21; v. 250; p. 640.
Mitchell, Archibald R., London, England. Apparatus for transmitting and displaying signals and the like. No. 1,264,204; Apr. 30; v. 249; p. 1011.
Mitchell, Archibald R., London, England. Picture-display apparatus. No. 1,288,114; Dec. 17; v. 257; p. 544.
Mitchell, Ardon M., Tuckahoe, assignor to Mitchell & Grenelle, Inc., New York, N. Y. Obtaining magnesium oxid from dolomite, &c. No. 1,273,110; July 16; v. 252; p. 720.
Mitchell, Ardon M., Tuckahoe, N. Y., assignor to Mitchell & Grenelle, Inc. Insulating and building material and making the same. No. 1,289,862; Dec. 31; v. 257; p. 1022.
Mitchell, Arthur, Chicago, Ill., assignor to Mitchell-Bennett Company. Grindstone attachment for meat-choppers. No. 1,255,104; Jan. 29; v. 246; p. 1172.
Mitchell, Arthur A., Coleraine, Minn. Excavating apparatus. No. 1,274,069; July 30; v. 252; p. 1044.
Mitchell, Arthur B., Birmingham, Ala. Wire-mesh filtering-screen. No. 1,282,913; Oct. 29; v. 255; p. 890.
Mitchell, Augusta V., *et al.*, trustees. (See Hancock, Winfield S., assignor.)
Mitchell, Augusta V., Washington, D. C. Combined tire and rim for wheels. No. 1,264,957; May 7; v. 250; p. 23.
Mitchell, Benjamin A., and F. G. Janney, Jr., Garfield, Utah. Grating for ball-mills and making same. No. 1,282,914; Oct. 29; v. 255; p. 891.
Mitchell-Bennett Company. (See Mitchell, Arthur, assignor.)
Mitchell-Bissell Co. (See Cass, Freeman, assignor.)
Mitchell, Carl H. (See Schmidt, John H., assignor.)
Mitchell, Charles, Poughkeepsie, assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Power-transmitter. No. 1,265,805; May 14; v. 250; p. 285.
Mitchell, Charles. (See Armstrong, Louis E., assignor.)
Mitchell, Charles W., Philadelphia, Pa. Clutch-brake. No. 1,255,204; Feb. 5; v. 247; p. 27.
Mitchell, Clarence C., Cincinnati, Ohio. Laundry-marking machine. No. 1,253,863; Jan. 15; v. 246; p. 767.
Mitchell, Courtney N. (See Denneen and Mitchell.)
Mitchell, Eugene F., Spokane, Wash. Lumber-marker. No. 1,262,826; Apr. 16; v. 249; p. 576.
Mitchell, Floyd A., Portland, Oreg. Collar-removing tool. No. 1,259,036; Mar. 12; v. 248; p. 356.
Mitchell, Frederic P., Burlington, Vt. Sewing-cabinet. No. 1,255,328; Feb. 5; v. 247; p. 61.
Mitchell & Grenelle. (See Mitchell, Ardon M., assignor.)
Mitchell, Guy K., Baltimore, Md. Control-rope for dumb-waiters. No. 1,280,066; Sept. 24; v. 254; p. 825.
Mitchell, Georgia R., Alma, Mich. Button-attaching device. No. 1,254,055; Jan. 22; v. 246; p. 840.
Mitchell, Harrison J., assignor to P. B. Yates Machine Company, Beloit, Wis. Feed-roll adjustment. No. 1,255,625; Feb. 5; v. 247; p. 148.
Mitchell, Isaac V., Los Angeles, Cal. Carbureter. No. 1,259,037; Mar. 12; v. 248; p. 356.
Mitchell, Jay G., Chicago, Ill. Electromagnetic step-by-step mechanism. No. 1,289,863; Dec. 31; v. 257; p. 1022.
Mitchell, J. H. (See Dudley, Andrew T., assignor.)
Mitchell, John, and A. Binns, Keighley, England. Power-hammer, stamping-machine, and the like. No. 1,254,832; Jan. 29; v. 246; p. 1096.
Mitchell, John E., St. Louis, Mo. Machine for cutting pieced lifts and for building logs or heel-blanks therefrom. No. 1,252,136; Jan. 1; v. 246; p. 203.
Mitchell, John E., and D. Parks, St. Louis, Mo. Log-cutting machine. No. 1,252,137; Jan. 1; v. 246; p. 204.
Mitchell, John R. (See O'Connor and Mitchell.)
Mitchell, John R., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke for draft-riggings. No. 1,255,908; Feb. 12; v. 247; p. 270.
Mitchell, Melvin, Peoria, Ill. Road shaping and finishing machine. No. 1,266,531; May 14; v. 250; p. 486.
Mitchell, Melvin, Peoria, Ill. Road shaping and finishing machine. No. 1,266,532; May 14; v. 250; p. 486.
Mitchell, Mary P., Eaton, Ohio. Electric engine-starter. No. 1,264,324; Apr. 30; v. 249; p. 1044.
Mitchell, Oliver, Brooklyn, assignor to Moore Pen Company, Boston, Mass. Fountain-pen cap and clip. No. 1,283,860; Nov. 5; v. 256; p. 112.
Mitchell, Purley C., Benton Harbor, Mich. Lubricating device. No. 1,265,806; May 14; v. 250; p. 286.
Mitchell, Robert C., Mount Vernon, N. Y. Liquid-fuel-feeding apparatus. No. 1,264,958; May 7; v. 250; p. 24.
Mitchell, Sidney, New York, N. Y. Pulp-beater. No. 1,277,628; Sept. 3; v. 254; p. 82.
Mitchell, Sidney, New York, N. Y. Pulp-beater. No. 1,277,629; Sept. 3; v. 254; p. 83.
Mitchell, Sidney, New York, N. Y. Pulp-beater. No. 1,277,630; Sept. 3; v. 254; p. 83.
Mitchell, Sidney, New York, N. Y. Apparatus for paper-mills. No. 1,277,631; Sept. 3; v. 254; p. 83.
Mitchell, William H., St. Louis, Mo. Permutation-lock for automobiles. No. 1,261,266; Apr. 2; v. 249; p. 78.
Mitchell, William H., Richmond, Ind. Attachment for lawn-mowers. No. 1,287,073; Dec. 10; v. 257; p. 253.
Mitchell, William M., Louisville, Ky. Rail-anchor. No. 1,262,827; Apr. 16; v. 249; p. 576.
Mitchell, William M., Louisville, Ky. Rail-anchor. No. 1,264,959; May 7; v. 250; p. 24.
Mitchella, Clyde B., Akron, assignor to W. F. Warden, Cuyahoga Falls, Ohio. Clutch. No. 1,257,627; Feb. 26; v. 247; p. 848.
Mittasch, Alwin. (See Bosch, Mittasch, and Krauch.)
Mittasch, Alwin. (See Bosch, Mittasch, and Neresheimer.)
Mittasch, Alwin, C. Schneider, and H. Morawitz, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Catalytic agent. No. 1,256,032; Feb. 12; v. 247; p. 306.
Mittasch, Alvin. (See Bosch and Mittasch.)
Mittelstadt, Frederick J., Baltimore, Md. Separable, resilient fastening device. No. 1,261,588; Apr. 2; v. 249; p. 169.
Mittendorf, Frederick W., Addieville, Ill. Graining-tool. No. 1,253,268; Jan. 15; v. 246; p. 593.
Mittendorf, William H., Addieville, Ill. Smoking-pipe. No. 1,279,896; Sept. 24; v. 254; p. 779.
Mittenthal, Aubrey, *et al.* (See Young, Daniel, assignor.)
Mittenthal, Harry E., *et al.* (See Young, Daniel, assignor.)
Mittinger, George E., Youngstown, Ohio. Band-anchor for tank-cars. No. 1,254,525; Jan. 22; v. 246; p. 975.
Mittleburg, Saul, Altoona, Pa. Bracket. No. 1,276,677; Aug. 20; v. 253; p. 707.
Mitzel, Ruby E., Laramie, Wyo. Spark-arrester. No. 1,263,457; Apr. 23; v. 249; p. 774.
Miura, Takaji, Los Angeles, Cal. Automobile turn-table. No. 1,253,864; Jan. 15; v. 246; p. 767.
Mix, Charles H. (See Thomas, William S., assignor.)
Mix, Edwin S., assignor to North East Electric Company, Rochester, N. Y. Power-transmission mechanism. No. 1,274,433; Aug. 6; v. 253; p. 26.

Mix, Edwin S., assignor to North East Electric Company, Rochester, N. Y. Position-indicator. No. 1,281,628; Oct. 15; v. 255; p. 473.
Mix, George W. (See Rowe, Walter A., assignor.)
Mix, Melville W., assignor to Dodge Manufacturing Company, Mishawaka, Ind. Laminated motor-car frame. No. 1,265,939; May 14; v. 250; p. 324.
Mix, Philip J., assignor of one-half to D. E. Hoagland, Boulder, Colo. Tire. No. 1,288,960; Dec. 24; v. 257; p. 775.
Mixa, Henry D., assignor to Two Rivers Plating & Mfg. Co., Two Rivers, Wis. Cheese-hoop. No. 1,286,386; Dec. 3; v. 257; p. 49.
Miyake, Ryotaro, and T. Yoshida, San Francisco, Cal. Camera. No. 1,263,588; Apr. 23; v. 249; p. 810.
Mize, William H., Celina, Tex. Wheeled sectional harrow. No. 1,272,294; July 9; v. 252; p. 466.
Mizener, George, assignor of one-half to B. B. Morss, Decorah, Iowa. Humidifier. No. 1,277,632; Sept. 3; v. 254; p. 84.
Mizer, Fred N., assignor to The Garford Manufacturing Company, Elyria, Ohio. Armature for dynamo-electric machines. No. 1,270,967; July 2; v. 252; p. 61.
Mizerak, Stefan. (See Petus and Mizerak.)
Mizrahi, Moz, New York, N. Y. Flash-light and battery. No. 1,282,615; Oct. 22; v. 255; p. 781.
Mizsak, Steve, Cleveland, Ohio. Shoe-heel. No. 1,286,054; Nov. 26; v. 256; p. 775.
Mladinich, Frank, New York, assignor of one-half to A. R. De Tartas, Rockville Center, N. Y. Universal clinometer. No. 1,258,597; Mar. 5; v. 248; p. 189.
Mlotkowski, Stasch, Los Angeles, Cal. Sighting device. No. 1,283,540; Nov. 5; v. 256; p. 27.
Moad, Buren, Toledo, Ohio. Automobile-signal. No. 1,277,335; Aug. 27; v. 253; p. 918.
Moakler, John W., East Worcester, N. Y. Shaft-driven pivotal hub. No. 1,268,866; June 11; v. 251; p. 244.
Moale, Philip R. (See Radford, Robert L., assignor.)
Moard, Ferdinand G., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,264,422; Apr. 30; v. 249; p. 1072.
Moberg, Fred M., Polk, Nebr. Folding bed. No. 1,285,309; Nov. 19; v. 256; p. 549.
Moberry, Leonard A. (See Taylor and Moberry.)
Mobile Steel Company. (See Evans, Paul S., assignor.)
Mochon, Mary L., Lead, S. D. Gauze-roller. No. 1,270,188; June 18; v. 251; p. 638.
Moccia, Pasquale L., New York, N. Y. Switch-heater. No. 1,280,107; Sept. 24; v. 254; p. 837.
Mock, Frank C. (See Gustafson and Mock.)
Mock, Hugo, New Brighton, N. Y. Picture-hanger. No. 1,272,696; July 16; v. 252; p. 606.
Mock, Hugo, New Brighton, N. Y. Fireless cooker. No. 1,273,645; July 23; v. 252; p. 891.
Mock, Hugo, New York, N. Y. Container. No. 1,273,646; July 23; v. 252; p. 891.
Model Form Company. (See Nelson, Ben S., assignor.)
Modern Broom Machinery Company. (See Smith and Duvall, assignors.)
Modern Grinder Manufacturing Co. (See Bockshe, Ely, assignor.)
Modern, Samuel, New York, N. Y. Sleeping doll. No. 1,268,753; June 4; v. 251; p. 193.
Modern, Alfred, Chicago, Ill. Electrical massage apparatus. No. 1,289,864; Dec. 31; v. 257; p. 1022.
Modern Tool Company. (See Byrd, Robert E., assignor.)
Moe, Andrew. (See Reinhart and Moe.)
Moe, Christ, Hanska, Minn. Valve. No. 1,265,807; May 14; v. 250; p. 286.
Moede, Albert, Reedsville, Wis. Elevated carrier. No. 1,289,865; Dec. 31; v. 257; p. 1023.
Moffatt, James R., and R. S. Kelso, assignors to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,287,392; Dec. 10; v. 257; p. 333.
Moffatt, James R., and R. S. Kelso, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,289,866; Dec. 31; v. 257; p. 1023.
Moehn, Oscar W., Burlington, Iowa. Phonograph-light. No. 1,269,836; June 18; v. 251; p. 545.
Moeller, Alfred C., and J. F. Stevenson, Seattle, Wash. Transmission-gear casing. No. 1,272,496; July 16; v. 252; p. 548.
Moeller, Annetta, Indianapolis, Ind. Holder for manicuring preparations. No. 1,262,542; Apr. 9; v. 249; p. 466.
Moeller, Emil, Chicago, Ill. Mangle. No. 1,268,990; June 11; v. 251; p. 278.
Moeller, Frank, Tillman, Fla. Grapple. No. 1,285,778; Nov. 26; v. 256; p. 707.
Moeller, Joseph F., Chicago, Ill. Leaf-stemming machine. No. 1,261,267; Apr. 2; v. 249; p. 78.
Moeller, Max E., Brooklyn, N. Y. Making thermometers. No. 1,274,576; Aug. 6; v. 253; p. 67.
Moeller, William J., Wyoming, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Bag. No. 1,253,269; Jan. 15; v. 246; p. 594.
Moen, Gilbert T., Eleva, Wis. Adjustable harness-hook. No. 1,264,837; Apr. 30; v. 249; p. 1185.
Moench, Frederick, Rushville, Ill. Check-row planter. No. 1,252,923; Jan. 8; v. 246; p. 460.
Moenke, William F., and C. A. Sarlo. Sunrise, Wyo. Smoker's pipe. No. 1,279,740; Sept. 24; v. 254; p. 733.
Moerk, Frank X., Philadelphia, Pa. Perpetual calendar. No. 1,266,610; May 21; v. 250; p. 539.
Moffat, Frederick W., Weston, Ontario, Canada. Sectional electric heating element. No. 1,276,096; Aug. 20; v. 253; p. 547.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Needle-operating mechanism for sewing-machines. No. 1,252,015; Jan. 1; v. 246; p. 169.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,253,865; Jan. 15; v. 246; p. 767.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Looper-carrier for sewing-machines. (Reissue.) No. 14,445; Mar. 12; v. 248; p. 478.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine and folding mechanism therefor. No. 1,271,059; July 2; v. 252; p. 87.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Overseaming-machine. No. 1,275,287; Aug. 13; v. 253; p. 290.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Multiple-needle guard. No. 1,276,393; Aug. 20; v. 253; p. 630.
Moffatt, James R., assignor to Union Special Machinery Company, Chicago, Ill. Fabric-folding guide for trimming mechanism for sewing-machines. No. 1,276,944; Aug. 27; v. 253; p. 815.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Throat-plate for sewing-machines. No. 1,283,861; Nov. 5; v. 256; p. 112.
Moffatt, James R., and R. S. Kelso, assignors to Union Special Machine Company, Chicago, Ill. Looper-operating mechanism for sewing-machines. No. 1,283,862; Nov. 5; v. 256; p. 112.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing-machines. No. 1,285,310; Nov. 19; v. 256; p. 549.
Moffat, John A., Hamilton, Ontario, Canada. Cream-separator attachment for milk-bottles. No. 1,282,103; Oct. 22; v. 255; p. 641.
Moffat, William L., Brooklyn, N. Y., assignor to Joseph Ross & Co., Irvington, N. J. File. No. 1,255,819; Feb. 5; v. 247; p. 204.
Moffett, Harley M., Garrett, Ind. Automobile-signal. No. 1,278,711; Sept. 10; v. 254; p. 400.
Moffett, James F., West Newton, Pa. Plow attachment. No. 1,266,035; May 14; v. 250; p. 350.
Moffitt, Floyd A. and R., Albion, Mich. Automobile-sleigh runner. No. 1,275,721; Aug. 13; v. 253; p. 411.
Moffitt, Mansfield M., San Antonio, Tex. Hair-drying apparatus. No. 1,269,837; June 18; v. 251; p. 545.
Moffitt, Robert R., Lamar, Colo. Grain-car door. No. 1,271,347; July 2; v. 252; p. 167.
Moffitt, Ross. (See Moffitt, Floyd A. and R.)
Moffitt, Thomas E., Naco, Ariz. Harness-snap. No. 1,271,348; July 2; v. 252; p. 167.
Mogan, Christopher J., Charleroi, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Apparatus for painting or coating wire. No. 1,256,815; Feb. 19; v. 247; p. 574.
Mogan, Christopher J., and C. B. Anfindsen, Charleroi, Pa. Bundling-machine. No. 1,261,589; Apr. 2; v. 249; p. 169.
Mohar, Carl, Sheboygan, Wis. Clothes-line support. No. 1,285,311; Nov. 19; v. 256; p. 549.
Mohney, Elmer E., Hume, Cal. Paint composition. No. 1,280,067; Sept. 24; v. 254; p. 825.
Mohney, Elmer E., Sanger, and W. Guth, Hume, Cal. Rail-joint. No. 1,277,456; Sept. 3; v. 254; p. 35.
Mohnike, Louie F., Shickley, Nebr. Windmill connecting-bolt. No. 1,277,239; Aug. 27; v. 253; p. 894.
Mohr, Charles L., Janesville, Wis., assignor, by mesne assignments, to Mohr Lino-Saw Company, Chicago, Ill. Linotype-machine. No. 1,264,541; Apr. 30; v. 249; p. 1106.
Mohr, Charles L., assignor to Mohr Lino-Saw Company, Chicago, Ill. Printing-slug-sawing device. No. 1,281,807; Oct. 15; v. 255; p. 521.
Mohr, Henry. (See Langford, Joseph O., assignor.)
Mohr Lino-Saw Company. (See Mohr, Charles L., assignor.)
Mohrle, Charles G. (See Stackpole, Ralph D., assignor.)
Mohrweis, John G. (See Wilbur, John N., assignor.)
Moir, Donald, and H. Buchanan, Rosario de Santa Fé, Argentina. Means or apparatus relating to the manufacture, centrifugally, of hollow articles. No. 1,286,056; Nov. 26; v. 256; p. 776.
Moir, John A. (See Lombard, Levi W., assignor.)
Moisan, Calixa N., and W. A. Smith, Montreal, Quebec, Canada. Controlling apparatus for motors. No. 1,278,191; Sept. 10; v. 254; p. 259.
Moisant, Alfred J., New York, N. Y., assignor, by mesne assignments, to General Research Laboratories. Filter No. 1,270,042; June 18; v. 251; p. 599.
Moisson, George M., Beaufort, S. C. Tool kit. No 1,274,306; July 30; v. 252; p. 1110.

Alphabetical list of patentees—Continued.

Mojonnier Bros. Co. (See Dickerson, Fred G., assignor.)
Mojonnier Bros. Co. (See Mojonnier, Julius J., assignor.)
Mojonnier, Julius J., Chicago, Ill., assignor to Mojonnier Bros. Co., Portland, Me. Apparatus for testing milk and milk products. No. 1,255,329; Feb. 5; v. 247; p. 62.
Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co., Portland, Me. Desiccator and cooler. No. 1,262,081; Apr. 9; v. 249; p. 337.
Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co., Portland, Me. Flask-holder. No. 1,268,867; June 11; v. 251; p. 244.
Moldenke, Richard, Watchung, N. J. Utilization of alunite. No. 1,282,273; Oct. 22; v. 255; p. 688.
Moldovan, Nathan, A. I. Madriss, and A. Levitt, Brooklyn, N. Y. Life-preserving suit. No. 1,265,234; May 7; v. 250; p. 100.
Moler, Jacob C., Mulberry, Kans. Coal-drill-socket-retaining apparatus. No. 1,253,511; Jan. 15; v. 246; p. 666.
Molina, Eugenio de las H., and L. B. Alcantarilla, Jaen, Spain Wheel for automobiles. No. 1,284,954; Nov. 12; v. 256; p. 421.
Molnar, Martin, Hellertown, Pa. Flash-light holder. No. 1,287,393; Dec. 10; v. 257; p. 334.
Molinari, Ettore. (See Quartieri and Molinari.)
Molinari, Domenico, Seattle, Wash. Non-refillable bottle. No. 1,286,387; Dec. 3; v. 257; p. 49.
Moline Heat. (See Shurtleff, Wilfred, assignor.)
Moline Plow Company. (See Case, Henry J., assignor.)
Moline Plow Company. (See Crane, William H., assignor.)
Moline Plow Company. (See Dickinson, Harry S., assignor.)
Moline Plow Company. (See Funk, Truman B., assignor.)
Moline Plow Company. (See Smith, Orbin F., assignor.)
Moline Plow Company. (See Trolley, Isaac, assignor.)
Moline Plow Company. (See Wallace, Benjamin B., assignor.)
Moll, Abram, Williamson, N. Y. Plow attachment. No. 1,280,271; Oct. 1; v. 255; p. 44.
Moll, August E., Olathe, Kans. Road-drag. No. 1,260,242; Mar. 19; v. 248; p. 730.
Moll, Oskar, and P. Kuschewitz, Blackheath, England. Electric telegraphy. No. 1,257,913; Feb. 26; v. 247; p. 931.
Mollan, Charles G., Chicago, Ill. Hand-lamp and signal. No. 1,268,040; May 28; v. 250; p. 965.
Moller, Clarence C., Bronx, N. Y. Elevating and dumping apparatus. No. 1,274,307; July 30; v. 252; p. 1110.
Möller, Erwin, Brackwede, Germany. Insulation of electricity. No. 1,264,674; Apr. 30; v. 249; p. 1143.
Molleson, Cassandra L. (See Drake, Charles E., assignor.)
Mollohan, Earle T., *et al.* (See Blades, Le Roy, assignor.)
Mollohan, Ernest G., *et al.* (See Blades, Le Roy, assignor.)
Molloy, Edmond, assignor to J. F. Molloy and R. T. Molloy, Philadelphia, Pa. Sign-board. No. 1,267,340; May 21; v. 250; p. 741.
Molloy, Harry J. (See Harrell, Ora C., assignor.)
Molloy, John F., *et al.* (See Molloy, Edmond, assignor.)
Molloy, John J., Georgetown, Mass. Flexible wooden shoe-sole. No. 1,270,189; June 18; v. 251; p. 638.
Molloy, Leon M., West Haven, assignor to The James F. Molloy Co., New Haven, Conn. Buckle. No. 1,282,704; Oct. 22; v. 255; p. 805.
Molloy, Richard T., *et al.* (See Molloy, Edmond, assignor.)
Moloney, Charles E., Chicago, Ill. Shield. No. 1,279,571; Sept. 24; v. 254; p. 684.
Moltchen, Joseph, United States Army. Combined picture-projecting and sound-reproducing machine. No. 1,277,991; Sept. 3; v. 254; p. 181.
Molyneux, George E. (See Stowe and Molyneux.)
Molyneux, George E., Bayonne, N. J. Speed-governed stopping mechanism. No. 1,258,926; Mar. 12; v. 248; p. 323.
Molyneux, George E., Bayonne, N. J. Speed-governed stopping mechanism. No. 1,258,927; Mar. 12; v. 248; p. 323.
Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Bag-sewing machine. No. 1,274,742; Aug. 6; v. 253; p. 115.
Molyneux, George E., Bayonne, N. J. Speed-governed stopping mechanism. No. 1,285,312; Nov. 19; v. 256; p. 550.
Molyneux, George E., Bayonne, and G. S. Gatchell, Roselle Park, N. J., assignors to The Singer Manufacturing Company. Multiple-needle sewing-machine. No. 1,266,036; May 14; v. 250; p. 350.
Momb, Ole, West Duluth, Minn. Search-light. No. 1,273,084; July 16; v. 252; p. 714.
Momentum Brake Corporation. (See Morgan, Porter S., assignor.)
Momota, Sadaji, Tokyo, Japan, assignor to General Electric Company. High-potential insulator. No. 1,266,516; May 14; v. 250; p. 481.
Monaco, Frank, and E. Stocchi, Detroit, Mich.; said Stocchi assignor to said Monaco. Burglar-alarm. No. 1,259,895; Mar. 19; v. 248; p. 631.
Monahan, Charles W., Pittsburgh, Pa. Signal. No. 1,252,288; Jan. 1; v. 246; p. 245.
Monahan, Earl H., Hyannis, Nebr. Vehicle-spring construction. No. 1,272,497; July 16; v. 252; p. 549.
Monahan, Frank J., Providence, R. I. Umbrella-frame. No. 1,266,515; May 14; v. 250; p. 481.
Monahan, George E., Cleveland, Ohio. Shoe-shining stand. No. 1,286,712; Dec. 3; v. 257; p. 127.
Monahan, John F., Peoria, Ill. Grain-drier. No. 1,285,779; Nov. 26; v. 256; p. 707.
Monahan, Louis J., Oshkosh, Wis. Automatic speed-determiner. No. 1,281,629; Oct. 15; v. 255; p. 473.
Monahan Rotary Engine Corporation. (See Sullivan, Patrick J. M., assignor.)
Monarch Metal Weather Strip Company. (See Lane, Alfred M., assignor.)
Monarch Tag Company, The. (See Kohnle, Frederick, assignor.)
Monarch Tool & Machinery Company. (See Hardin, Jacques J., assignor.)
Monasch, David, San Francisco, Cal. Indicator. No. 1,255,909; Feb. 12; v. 247; p. 270.
Moncrief, Sherman, Center Junction, Iowa. Broom-holder. No. 1,275,070; Aug. 6; v. 253; p. 207.
Monday, Mileden S., Caney, Okla. Metal railway-tie. No. 1,266,139; May 14; v. 250; p. 380.
Monday, Mileden S., Caney, Okla. Rail-joint. No. 1,272,498; July 16; v. 252; p. 549.
Mones, Arthur H., Kerrobert, Saskatchewan, Canada. Toothpick-container. No. 1,280,804; Oct. 8; v. 255; p. 218.
Moness, Jacob M., Long Island City, N. Y. Recovering waste products. No. 1,274,184; July 30; v. 252; p. 1077.
Monesmith, Bert L. (See Cutler and Monesmith.)
Monfang, Eduard, Kirn, Germany, assignor to The Nathan-Institut, A. G., Zurich, Switzerland. Brewing. No. 1,286,055; Nov. 26; v. 256; p. 776.
Mong, Charles L. (See Hennen, Donley C., assignor.)
Mongan, John P., Minneapolis, assignor of one-half to G. H. Schindeldecker, Jr., St. Paul, Minn. Piston-ring. No. 1,251,807; Jan. 1; v. 246; p. 110.
Mongel, Leon J., Johnstown, Pa. Railway-switch. No. 1,256,717; Feb. 19; v. 247; p. 545.
Mongillo, Enrico, *et al.* (See Mongillo, Giacomo, assignor.)
Mongillo, Giacomo, assignor of one-third to E. Mongillo and one-third to M. Mongillo, Bradford, Pa. Amusement apparatus. No. 1,262,373; Apr. 9; v. 249; p. 419.
Mongillo, Michele, *et al.* (See Mongillo, Giacomo, assignor.)
Monhof, Emil. (See Martell and Monhof.)
Monhoff, Emil. (See Martell and Waterfield, assignors.)
Monighan, John E., Toledo, Ohio. Signal. No. 1,267,248; May 21; v. 250; p. 718.
Monitor Controller Company. (See Whittingham, George H., assignor.)
Monitor Controller Company of Baltimore City. (See Whittingham and Holmes, assignors.)
Monitor Fly Trap Company. (See Hasselgren, Carl P., assignor.)
Monorail Company of America. (See English, Peter, assignor.)
Monosmith, Olney B., Lorain, Ohio. Carbureter. No. 1,270,432; June 25; v. 251; p. 731.
Monrath, Gustav, Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y. Corrosion-resisting conduit sections and fittings. No. 1,276,394; Aug. 20; v. 253; p. 631.
Monroe Calculating Machine Company. (See Baldwin, Frank S., assignor.)
Monroe Calculating Machine Company. (See Phinney, Edgar E., assignor.)
Monroe, Frederick F., Jr. (See Monroe and Smith.)
Monroe, Frederick F., Sr., and F. F., Jr., and H. E. Smith, Detroit, Mich. Automobile-signal. No. 1,279,401; Sept. 17; v. 254; p. 614.
Monroe, George A. C., Geneva, Ill. Collapsible crate. No. 1,260,697; Mar. 26; v. 248; p. 898.
Monroe, Henry A., assignor of one-half to J. H. Prendergast, Westfield, N. Y. Plastic-block-making apparatus. No. 1,258,237; Mar. 5; v. 248; p. 83.
Monroe, Thomas J. (See Poirier and Monroe.)
Monson, Charles V., Duluth, Minn. Window-sash fastener. No. 1,255,548; Feb. 5; v. 247; p. 126.
Monson, Charles V., Duluth, Minn. Horse-hitching device. No. 1,257,727; Feb. 26; v. 247; p. 878.
Monson, George S., San Francisco, Cal. Rivet-holding tool. No. 1,267,573; May 28; v. 250; p. 834.
Monson, George S., San Francisco, Cal. Rivet-holding instrument. No. 1,288,115; Dec. 17; v. 257; p. 544.
Monson, Jöns, New York, N. Y. Rotary motor. No. 1,259,430; Mar. 12; v. 248; p. 466.
Monson, Lewis, Decorah, Iowa. Extension steering device for tractors and automobiles. No. 1,275,071; Aug. 6; v. 253; p. 207.
Montague, Clarence W., Denver, Colo. Clay-pot-finishing machine. No. 1,275,187; Aug. 6; v. 253; p. 240.
Montague, Frank. (See Bythiner and Montague.)
Montague Mailing Machinery Co. (See Dolcater, Frederick C., assignor.)
Montague Mailing Machinery Co. (See Overman and Ziegler, assignors.)
Montague Mailing Machinery Company. (See Griswold, Robert G., assignor.)

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Monsarrat, William H., Memphis, Tenn. Ledger-rack. No. 1,283,259; Oct. 29; v. 255; p. 983.
Montan, Adolph, West Orange, N. J. Folding lavatory outfit for automobiles and the like. No. 1,289,225; Dec. 31; v. 257; p. 864.
Montaney, Louis P., Omak, Wash. Time-register for telephones. No. 1,284,418; Nov. 12; v. 256; p. 287.
Montecino, Morris D., Smoke Bend, La. Automatic fire-alarm attachment. No. 1,277,633; Sept. 3; v. 254; p. 84.
Monteith, Dickson S., assignor to Chemical Construction Company, Charlotte, N. C. Apparatus for rectifying and concentrating liquids. No. 1,271,349; July 2; v. 252; p. 167.
Monteith, Thurman H., assignor of two-thirds to S. Grantham and J. M. Stubblefield, Greenfield, Miss. Wire-fence clamp. No. 1,258,598; Mar. 5; v. 248; p. 189.
Montferrand, Arthur R., assignor to Meader Engineering and Machine Company, Boston, Mass. Strap-tipping machine. No. 1,281,052; Oct. 8; v. 255; p. 284.
Montgomery, Alpheus W., deceased, Flushing, N. Y.; G. G. Montgomery, executrix. Defiberating machine. No. 1,257,914; Feb. 26; v. 247; p. 931.
Montgomery, Edward F., and R. B. Burnham, assignors of seventy one-hundredths to said Burnham, fifteen one-hundredths to J. F. Westbrook, Burkeville, and fifteen one-hundredths to S. H. Westbrook, Farrsville, Tex. Power-transmitting device. No. 1,254,617; Jan. 22; v. 246; p. 1002.
Montgomery, Grace G., executrix. (See Montgomery, Alpheus W.)
Montgomery, Henry S., and H. A. Tobelmann, Ajo, Ariz. Electrolytic starting-sheet suspender. No. 1,269,485; June 11; v. 251; p. 415.
Montgomery, Herbert D., Brooklyn, N. Y. Thermostat. No. 1,283,260; Oct. 29; v. 255; p. 984.
Montgomery, James A. (See Hansen and Montgomery.)
Montgomery, James E., assignor of one-third to W. Jennings, Lancaster, Ky. Wheel-rim. No. 1,253,866; Jan 15; v. 246; p. 767.
Montgomery, James T., *et al.* (See Preston, Edward, assignor.)
Montgomery, John, Toronto, Ontario, Canada. Box-car. No. 1,263,095; Apr. 16; v. 249; p. 653.
Montgomery, John, Toronto, Ontario, Canada. Box-car door. No. 1,265,478; May 7; v. 250; p. 166.
Montgomery, Julian E., Wheeling, W. Va. Lubricant-heating apparatus. No. 1,281,993; Oct. 15; v. 255; p. 569.
Montgomery, Leon F., Fort Recovery, assignor of one-half to J. E. Grosjean and one-fourth to F. L. Maire, Lima, Ohio. Shoe-sole. (Reissue.) No. 14,577; Dec. 24; v. 257; p. 801.
Montgomery, Marlin D., Chicago, Ill. Vehicle-body. No. 1,272,076; July 9; v. 252; p. 405.
Montgomery, Percy W., Leichhardt, New South Wales, Australia. Internal-combustion engine. No. 1,280,805; Oct. 8; v. 255; p. 218.
Montgomery, Robert J., Chicago, Ill. Flue-cleaner. No. 1,266,140; May 14; v. 250; p. 380.
Montgomery, Theodore D., East Orange, N. J., and L. C. Schantz, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Welding-controller. No. 1,253,198; Jan. 8; v. 246; p. 544.
Montgomery, Theodore D., East Orange, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Welding-controller. No. 1,278,368; Sept. 10; v. 254; p. 307.
Montgomery Ward & Co. (See Anderson, Carl O., assignor.)
Montgomery, William M., Salem, W. Va. Connecting-rod attachment. No. 1,265,235; May 7; v. 250; p. 100.
Monto, Charles P., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company. Brush connection for dynamo-electric machines. No. 1,255,205; Feb. 5; v. 247; p. 27.
Montooth, Harry M., Newark, N. J. Device for cleaning windows or windshields. No. 1,267,249; May 21; v. 250; p. 718.
Montpelier Manufacturing Company. (See Morse, Charles H., assignor.)
Montreuil, Francis H., Chicago, Ill., assignor to Warren Webster & Company. Conserving-valve. No. 1,268,597; June 4; v. 251; p. 150.
Montroy, Philip A., San Antonio, Tex. Automatic automobile-top. No. 1,280,272; Oct. 1; v. 255; p. 44.
Montsinger, Vincent M., Pittsfield, Mass., assignor to General Electric Company. Temperature-indicator. No. 1,269,546; June 11; v. 251; p. 430.
Montsinger, Vincent M., Pittsfield, Mass., assignor to General Electric Company. Cooling electrical apparatus. No. 1,275,972; Aug. 13; v. 253; p. 481.
Montucchiaro, Peter, Chicago Heights, Ill. Wheel-hub. No. 1,286,713; Dec. 3; v. 257; p. 127.
Mood, Asbury F., Claremore, Okla. Well-bucket. No. 1,267,438; May 28; v. 250; p. 797.
Moody, Herman, and J. H. Blackman, Peoria, Ill. Valve-lifter. No. 1,253,270; Jan. 15; v. 246; p. 594.
Moody, Walter S., Pittsfield, Mass., assignor to General Electric Company. Induction apparatus. No. 1,280,806; Oct. 8; v. 255; p. 218.

Moody, William F., Romsey, England. Safety-scissors and the like. No. 1,284,419; Nov. 12; v. 256; p. 287.
Moomaw, Henry E., Salem, Va., assignor to J. E. Annis, Chattanooga, Tenn. Sheet-metal bin and corn-crib. No. 1,267,684; May 28; v. 250; p. 865.
Moomaw, Henry E., Salem, Va., assignor to J. E. Annis, Chattanooga, Tenn. Juvenile vehicle. No. 1,269,107; June 11; v. 251; p. 311.
Moomaw, Josephus, South Bend, Ind. Convertible automobile-body. No. 1,287,394; Dec. 10; v. 257; p. 334.
Moomy, Joseph G., Erie, Pa. Rubber-working apparatus. No. 1,255,456; Feb. 5; v. 247; p. 98.
Moomy, Joseph G., Erie, Pa. Machine for wrapping tubes. No. 1,275,072; Aug. 6; v. 253; p. 207.
Moomy, Joseph G., Erie, Pa. Making tubes. No. 1,275,073; Aug. 6; v. 253; p. 208.
Moon, Frank D., Englewood, N. J. Self-locking clip. No. 1,271,350; July 2; v. 252; p. 168.
Moon, Freeman S., assignor to International Precipitation Company, Los Angeles, Cal. Increasing the solubility of potassium compound in cement flue-dust. No. 1,283,261; Oct. 29; v. 255; p. 984.
Moon-Hopkins Billing Machine Company. (See Thieme, Otto, assignor.)
Moon-Hopkins Billing Machine Company. (See Thieme and Mueller, assignors.)
Moon, James E., Morrisville, Pa. Shovel. No. 1,274,927; Aug. 6; v. 253; p. 166.
Moon, William B., Jacksonville, and F. M. Grissom, Troup, Tex. Fender for plows. No. 1,254,618; Jan. 22; v. 246; p. 1002.
Mooney, Charles S., Detroit, Mich. Radiator. No. 1,265,940; May 14; v. 250; p. 324.
Mooney, Frank. (See Mooney, Norman J. and F.)
Mooney, Frank H., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Presser-bar control for fountain-pens. No. 1,266,141; May 14; v. 250; p. 381.
Mooney, Frank H., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Article polishing or grinding machine. No. 1,267,574; May 28; v. 250; p. 834.
Mooney, Frank H., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Fountain-pen clip. No. 1,267,575; May 28; v. 250; p. 835.
Mooney, Frank H., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Engraving-machine. No. 1,271,196; July 2; v. 252; p. 125.
Mooney, Frank H., Hinsdale, Ill., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Fountain-pen. No. 1,272,697; July 16; v. 252; p. 607.
Mooney, Frank H., Chicago, Ill., assignor to The Conklin Pen Mfg. Co., Toledo, Ohio. Self-filling fountain-pen. No. 1,281,194; Oct. 8; v. 255; p. 324.
Mooney, James C., assignor of one-half to C. S. Rouse, Hot Springs, Ark. Tire for vehicle-wheels. No. 1,276,247; Aug. 20; v. 253; p. 588.
Mooney, Norman J. and F., San Francisco, Cal. Resilient tire. No. 1,259,655; Mar. 19; v. 248; p. 560.
Moor, Edward N., Oakland, Cal., assignor to Combination Police Club and Extension Pistol Barrel Corporation. Combination policeman's truncheon and extension pistol-barrel. No. 1,281,195; Oct. 8; v. 255; p. 324.
Moor, William C., Fort Worth, Tex., assignor to Armour and Company, Chicago, Ill. Activated-sludge treatment. No. 1,254,833; Jan. 29; v. 246; p. 1097.
Moore, Albert B., Roselle, N. J. Brush-holder. No. 1,273,647; July 23; v. 252; p. 891.
Moore, Albert H., Kensett, Ark. Dry closet. No. 1,267,685; May 28; v. 250; p. 865.
Moore, Alice A., Vancouver, British Columbia, Canada. Composition of matter to facilitate the whipping of cream. No. 1,287,395; Dec. 10; v. 257; p. 334.
Moore, Alice, and F. J. A. King, Vancouver, British Columbia, Canada. Composition of matter to facilitate the whipping of cream. No. 1,253,706; Jan. 15; v. 246; p. 723.
Moore, Andrew J., Tuscaloosa, Ala. Wrench. No. 1,255,206; Feb. 5; v. 247; p. 27.
Moore, Arlington, Newark, N. J. Paper receptacle. No. 1,252,828; Jan. 8; v. 246; p. 434.
Moore, Asa C., and E. L. Ozment, Dallas, Tex. Wrench. No. 1,260,698; Mar. 26; v. 248; p. 898.
Moore, Benjamin F., Hamilton, Kans. Wrench-plate. No. 1,288,961; Dec. 24; v. 257; p. 775.
Moore, Benjiman S., Joliet, Ill. Operating mechanism for dumping-bodies. No. 1,264,675; Apr. 30; v. 249; p. 1143.
Moore, Benjiman S., Joliet, Ill., assignor to R. C. Penfield, New York, N. Y. Brick-hacking machine. No. 1,288,962; Dec. 24; v. 257; p. 776.
Moore Brothers Company. (See Moore, Lewis, assignor.)
Moore, Burrough P., St. Petersburg, Fla. Wrench. No. 1,276,678; Aug. 20; v. 253; p. 708.
Moore, Carl B., Glenns Ferry, Idaho. Soap-receptacle. No. 1,257,095; Feb. 19; v. 247; p. 656.
Moore, Carl F., Cushing, Okla. Bale-tie. No. 1,278,712; Sept. 10; v. 254; p. 400.
Moore, Charles A. (See Pemberton and Moore.)
Moore, Charles C., assignor to Valron Manufacturing Company, Middle River, Cal. Stirring device for starch-washing vats. No. 1,255,626; Feb. 5; v. 247; p. 148.

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Moore, Charles F., West Roxbury, assignor, by mesne assignments, to A. Giesberg, Boston, Mass. Marine motor. No. 1,252,360; Jan. 1; v. 246; p. 264.
Moore, Charles M., Muenster, Tex. Wire-stretcher. No. 1,261,590; Apr. 2; v. 249; p. 170.
Moore, Claude, Waterloo, Iowa. Wind-shield canopy. No. 1,289,226; Dec. 31; v. 257; p. 865.
Moore, Claude, Cedar Rapids, Iowa. Spectacles. No. 1,289,227; Dec. 31; v. 257; p. 865.
Moore, Clifton E., Colfax, Wash. Battery-gage. No. 1,260,934; Mar. 26; v. 248; p. 962.
Moore, Daniel M., East Orange, N. J., assignor to General Electric Company. Vapor electric device. No. 1,255,549; Feb. 5; v. 247; p. 127.
Moore, David H., Oklahoma, Okla. Vehicle-tire. No. 1,253,271; Jan. 15; v. 246; p. 594.
Moore, Dorus W., Fultonville, N. Y. Bale-tag. No. 1,269,630; June 18; v. 251; p. 487.
Moore, Edward, Cumberland, Md. Saw-set. No. 1,254,427; Jan. 22; v. 246; p. 947.
Moore, Edward J., assignor to The Charles Woodward Company, Cleveland, Ohio. Brick-drying apparatus. No. 1,288,116; Dec. 17; v. 257; p. 544.
Moore, Edgar M., Pittsburgh, Pa. Hydrant. No. 1,265,479; May 7; v. 250; p. 166.
Moore, Edmund B., Springfield, Vt. Metal-cutting tool. No. 1,265,359; May 7; v. 250; p. 134.
Moore, Edward, assignor to Splitdorf Electrical Company, Newark, N. J. Governing device for internal-combustion engines. No. 1,283,863; Nov. 5; v. 256; p. 113.
Moore, Edward Y., Cleveland, Ohio. Hoisting mechanism. No. 1,260,243; Mar. 19; v. 248; p. 730.
Moore, Edward Y., Cleveland, Ohio. Jib-crane. No. 1,284,745; Nov. 12; v. 256; p. 367.
Moore, Edward Y., Cleveland, Ohio. Hoisting mechanism. No. 1,272,838; July 16; v. 252; p. 647.
Moore, Edwin A., Philadelphia, assignor of one-half to H. S. Palm, Reading, Pa. Dump-wagon. No. 1,268,598; June 4; v. 251; p. 151.
Moore, Elwood D., New York, N. Y., assignor to Dernell Potato Products Co., Chicago, Ill. Removing grease from fried food products. No. 1,265,236; May 7; v. 250; p. 101.
Moore, Enoch S., and H. H. Thomas, Parkersburg, W. Va. Casing-head attachment. No. 1,281,808; Oct. 15; v. 255; p. 521.
Moore, Floyd N., Peoria, Ill. Direction-indicating signal for automobiles. No. 1,269,838; June 18; v. 251; p. 545.
Moore, Francis J., Minneapolis, Minn. Roof-flashing and jacket for vent-pipes. No. 1,279,572; Sept. 24; v. 254; p. 684.
Moore, Franklin O., Glendale, Cal. Fly-swatter. No. 1,272,295; July 9; v. 252; p. 466.
Moore, Frederick H., Melrose, Mass. Paper-package. No. 1,252,138; Jan. 1; v. 246; p. 204.
Moore, Frederick W., New York, N. Y., assignor to Dual Leathers Corporation. Leather and textile or like covering. No. 1,267,890; May 28; v. 250; p. 924.
Moore, George, Joplin, Mo. Replacing a liquid containing suspended solids by another liquid. No. 1,279,573; Sept. 24; v. 254; p. 685.
Moore, George, Joplin, Mo., assignor to The Chemical Process Company, New York, N. Y. Water-purifier. No. 1,271,925; July 9; v. 252; p. 360.
Moore, George, Joplin, Mo., assignor to The Chemical Process Company, New York, N. Y. Sewage treatment. No. 1,271,926; July 9; v. 252; p. 360.
Moore, George, Joplin, Mo. Filter-film-forming apparatus. No. 1,287,074; Dec. 10; v. 257; p. 253.
Moore, George C., Westerly, R. I. Running-gear for flying-machines. No. 1,275,973; Aug. 13; v. 253; p. 481.
Moore, Harry E., Smithfield, Nebr. Hoisting-hook. No. 1,280,273; Oct. 1; v. 255; p. 44.
Moore, Harry E., Smithfield, Nebr. Hay and straw hook. No. 1,289,228; Dec. 31; v. 257; p. 865.
Moore, Harvey L., assignor of one-half to W. C. Stripe, Pittsburgh, Pa. Stoking mechanism. No. 1,267,439; May 28; v. 250; p. 797.
Moore, Henry A., Burbank, and A. H. Brunner, Los Angeles, Cal. Heat-controlling device. No. 1,267,104; May 21; v. 250; p. 677.
Moore, Henry H., M. J. Pushcar, and W. Brown, Dover, N. J. Valve. No. 1,278,713; Sept. 10; v. 254; p. 400.
Moore, James, Stratford, Conn. Envelop. No. 1,277,240; Aug. 27; v. 253; p. 894.
Moore, James D., Northwilkesboro, N. C. Separator. No. 1,258,354; Mar. 5; v. 248; p. 117.
Moore, John A., assignor to Mengel Box Company, Louisville, Ky. Machine for cutting or trimming box-blanks. No. 1,258,599; Mar. 5; v. 248; p. 189.
Moore, John A., assignor to Mengel Box Company, Louisville, Ky. Machine for creasing blanks. No. 1,286,714; Dec. 3; v. 257; p. 127.
Moore, John C., Connersville, Ind. Auxiliary seat for automobiles. No. 1,262,374; Apr. 9; v. 249; p. 419.
Moore, John S. (See Moore, Sylvester J., assignor.)
Moore, John W. (See Moore, Otto N., assignor.)
Moore, Joseph D., Burkett, Tex. Pipe-wrench. No. 1,268,041; May 28; v. 250; p. 965.
Moore, Joseph W., Runcorn, assignor to Castner-Kellner Alkali Company Limited, London, England. Manufacture of bleaching-powder. No. 1,272,880; July 16; v. 252; p. 659.
Moore, Lee, Roanoke, Va. High and low water boiler-alarm. No. 1,264,115; Apr. 23; v. 249; p. 952.
Moore, Lewis, assignor to Moore Brothers Company, Joliet, Ill. Oven-burner for combined solid and fluid fuel ranges. No. 1,267,576; May 28; v. 250; p. 835.
Moore, Miles F., assignor of one-half to S. I. Wailes, Los Angeles, Cal. Railway-crossing. No. 1,273,085; July 16; v. 252; p. 714.
Moore, Oliver S., and W. N. Metcalf, Evening Shade, Ark. Mowing-machine. No. 1,256,153; Feb. 12; v. 247; p. 343.
Moore, Otto N., assignor of one-half to J. W. Moore, Indianapolis, Ind. Regulator for fluid flow. No. 1,267,577; May 28; v. 250; p. 835.
Moore Pen Company. (See Brandt, George F., assignor.)
Moore Pen Company. (See Mitchell, Oliver, assignor.)
Moore, Philip W., Evanston, assignor to The P & M Company, Chicago, Ill. Rail-anchor. No. 1,254,258; Jan. 22; v. 246; p. 898.
Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Anticreeper. No. 1,267,786; May 28; v. 250; p. 894.
Moore, R. W. (See Cox, Frank W., assignor.)
Moore, Ralph W. E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Measuring system. No. 1,264,423; Apr. 30; v. 249; p. 1073.
Moore, Ralph W. E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Impregnating process. No. 1,286,057; Nov. 26; v. 256; p. 776.
Moore, Rinaldo N., Mitchell, Iowa. Hoe. No. 1,256,352; Feb. 12; v. 247; p. 403.
Moore, Robert, Blackburn, England. Apparatus for selecting and separating warp-threads in the preparation of the warp for looms for weaving. No. 1,259,546; Mar. 19; v. 248; p. 531.
Moore, Robert, McFarlan, N. C. Vending-machine. No. 1,266,037; May 14; v. 250; p. 351.
Moore, Robert C., New York, N. Y. Pencil. No. 1,266,299; May 14; v. 250; p. 423.
Moore, Robert L., Gleeson, Ariz. Combined letter-sheet and envelop. No. 1,260,935; Mar. 26; v. 248; p. 963.
Moore, Roscoe, Wilkes-Barre, Pa. Brake mechanism. No. 1,284,129; Nov. 5; v. 256; p. 183.
Moore, Rufus N., Thorp Spring, Tex. Tanning hides. No. 1,256,718; Feb. 19; v. 247; p. 545.
Moore, Rufus N., Thorp Springs, Tex. Process and formula for tanning hides. No. 1,271,060; July 2; v. 252; p. 87.
Moore, Stanley, Monroe, Ga. Internal-combustion engine. No. 1,280,807; Oct. 8; v. 255; p. 219.
Moore, Sylvester J., assignor of one-half to J. S. Moore, London, Ontario, Canada. Gas-meter. No. 1,272,499; July 16; v. 252; p. 549.
Moore, Thomas C., Taft, Cal. Liquid-meter. No. 1,271,351; July 2; v. 252; p. 168.
Moore, Thomas F., assignor to Moore Trench Machine Co., Syracuse, N. Y. Trenching apparatus. No. 1,263,096; Apr. 16; v. 249; p. 653.
Moore, Thomas F., assignor to Moore Trench Machine Company, Westfield, N. J. Trenching apparatus. No. 1,270,240; June 18; v. 251; p. 651.
Moore Trench Machine Co. (See Moore, Thomas F., assignor.)
Moore, Walter F., Akron, Ohio. Automobile-signal. No. 1,283,262; Oct. 29; v. 255; p. 984.
Moore and White Company, The. (See White, Joseph A., assignor.)
Moore, William C., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Making metal powder. No. 1,254,056; Jan. 22; v. 246; p. 840.
Moore, William C. (See Underwood and Moore.)
Moore, William E., Pittsburgh, Pa. Electric furnace. No. 1,272,077; July 9; v. 252; p. 406.
Moore, William G., Indianapolis, Ind. Steering-head hub for two-wheeled autovehicles. No. 1,266,612; May 21; v. 250; p. 540.
Moore, William G., Miami, Fla. Steering-head hub for two-wheeled autovehicles. No. 1,266,611; May 21; v. 250; p. 540.
Moore, William J. (See Kline, William, assignor.)
Moore, William J. P., New York, N. Y. Driving mechanism. No. 1,251,557; Jan. 1; v. 246; p. 33.
Moore, William J. P., New York, N. Y. Control mechanism for automobiles and other vehicles and machines. No. 1,254,057; Jan. 22; v. 246; p. 840.
Moore, William J. P., New York, N. Y. Making wheels. No. 1,266,844; May 21; v. 250; p. 604.
Moore, William J. P., New York, N. Y. Brake-drum for wheels. No. 1,274,185; July 30; v. 252; p. 1077.
Moore, William J. P., New York, N. Y. Internal-combustion engine. No. 1,275,288; Aug. 13; v. 253; p. 291.
Moore, William J. P., New York, N. Y. Radiator suspension. No. 1,282,451; Oct. 22; v. 255; p. 736.
Moore, William J. P., New York, N. Y. Cotter-pin. No. 1,289,867; Dec. 31; v. 257; p. 1023.

Moore, William M., Newark, Ohio. Can-opener. No. 1,258,035; Mar. 5; v. 248; p. 26.
Moore, William M., Newark, Ohio. Nut-lock. No. 1,276,097; Aug. 20; v. 253; p. 547.
Moore, William N., Washington, D. C., assignor to American Optical Company, Southbridge, Mass. Eyeglasses. No. 1,252,139; Jan. 1; v. 246; p. 204.
Moore, William R., Lampasas, Tex. Leaf for books. No. 1,263,589; Apr. 23; v. 249; p. 810.
Moorhead, Robert L. (See Tilford, George H., assignor.)
Moorhouse, William F., assignor to Fidelity Brass Manufacturing Company, Chicago, Ill. Cutting-torch. No. 1,280,068; Sept. 24; v. 254; p. 825.
Moorman, Benjamin F., assignor to The Gilbert Shade Holder Company, Cincinnati, Ohio. Window-shade holder. No. 1,276,098; Aug. 20; v. 253; p. 547.
Moormeister, Frank, assignor of one-half to W. R. MacDonald, Salt Lake City, Utah. Baby-cradle for automobiles. No. 1,263,097; Apr. 16; v. 249; p. 654.
Moorshead, Kate A., Chicago, Ill. Garment-hanger. No. 1,260,936; Mar. 26; v. 248; p. 963.
Moorshead, Thomas C., Alton, Ill. Glass-furnace. No. 1,262,375; Apr. 9; v. 249; p. 419.
Moorshead, Thomas C., Alton, Ill. Making glassware. No. 1,274,577; Aug. 6; v. 253; p. 68.
Moran, Arthur T., Hopkinton, Mass. Cigarette and match case. No. 1,273,264; July 23; v. 252; p. 788.
Moran, Lilyan L., Ripley, Miss. Smoothing-tool. No. 1,289,229; Dec. 31; v. 257; p. 865.
Moran, Thomas M., Colton, assignor of one-half to R. E. Thomas, Los Angeles, Cal. Cotton-chopper. No. 1,268,042; May 28; v. 250; p. 966.
Morand, Arthur, Bakersfield, Cal. Auto-signal. No. 1,283,263; Oct. 29; v. 255; p. 984.
Morand, Leo J., *et al.* (See Dean, Clyde T., assignor.)
Morano, Francesco, Rome, Italy. Current-modulator. No. 1,288,117; Dec. 17; v. 257; p. 545.
Moratta, Mathew, Princeton, Ind. Piston packing-ring. No. 1,251,906; Jan. 1; v. 246; p. 138.
Moratta, Mathew, Princeton, Ind. Piston-ring. No. 1,285,780; Nov. 26; v. 256; p. 707.
Morawitz, Hugo. (See Mittasch, Schneider, and Morawitz.)
Morche, Franz, Wyandotte, Mich. Knife-sharpener. No. 1,282,705; Oct. 22; v. 255; p. 805.
Mordaunt, Harry G., Salt Lake City, Utah. Camera. No. 1,253,077; Jan. 8; v. 246; p. 509.
Mordaunt, Harry G., Salt Lake City, Utah. Film-winding device for cameras. No. 1,253,078; Jan. 8; v. 246; p. 510.
Mordaunt, Harry G., Salt Lake City, Utah. Camera. No. 1,253,079; Jan. 8; v. 246; p. 510.
Mordaunt, Harry G., Salt Lake City, Utah, assignor of one-half to Little Giant Manufacturing & Sales Company, Omaha, Nebr. Film-signal for cameras. No. 1,253,075; Jan. 8; v. 246; p. 509.
Mordaunt, Harry G., Salt Lake City, Utah, assignor of one-half to Little Giant Manufacturing & Sales Company, Omaha, Nebr. Film-winding device. No. 1,253,076; Jan. 8; v. 246; p. 509.
Morden, Millicent. (See Hess, Willis C., assignor.)
Mordhorst, John. (See Anderson, John R., assignor.)
More, Glenn, assignor to The Blackstone Manufacturing Company, Jamestown, N. Y. Operating-gearing for washing-machines. No. 1,252,924; Jan. 8; v. 246; p. 460.
More-Jones Brass & Metal Company. (See Burgess, Joseph E., assignor.)
More, Lucius E., St. Louis, Mo. Workman's time-recording and wage-calculating machine. No. 1,254,259; Jan. 22; v. 246; p. 898.
More, Thomas. (See Lane and More.)
Morehouse, William H., Pasadena, Cal. Light-ray regulator. No. 1,275,074; Aug. 6; v. 253; p. 208.
Moreland Advertising Company, The. (See Moreland, Bertram E., assignor.)
Moreland, Bertram E., assignor to The Moreland Advertising Company, Chicago, Ill. Mailing-folder. No. 1,260,430; Mar. 26; v. 248; p. 818.
Moreland, Bertram E., assignor to The Moreland Advertising Company, Chicago, Ill. Calendar-bank. No. 1,281,809; Oct. 15; v. 255; p. 522.
Moreland, John H., Altoona, Pa. Dust-guard for bearings. No. 1,258,600; Mar. 5; v. 248; p. 190.
Moreland Motor Truck Company. (See Moreland, Watt L., assignor.)
Moreland, Watt L., Los Angeles, Cal., assignor of one-half to Moreland Motor Truck Company. Quick-attachable coupling. No. 1,286,715; Dec. 3; v. 257; p. 128.
Moreland, Watt L., Los Angeles, Cal., assignor of one-half to Moreland Motor Truck Company. Manifold. No. 1,289,868; Dec. 31; v. 257; p. 1023.
Moreland, William E., Union City, Ga. Buckle. No. 1,272,296; July 9; v. 252; p. 466.
Morell, Alfred F. (See Regan and Morell.)
Morell, Alfred F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread-placer. No. 1,259,656; Mar. 19; v. 248; p. 561.
Morell, George P., assignor to Enameled Steel Specialties Company, Inc., New York, N. Y. Washtub-cover. No. 1,268,754; June 4; v. 251; p. 193.
Morén, Karl H., Bofors, Sweden. Fuse for high-explosive shells. No. 1,280,521; Oct. 1; v. 255; p. 113.
Moreton Carbureter Corporation. (See Moreton, Henry H., assignor.)
Moreton, Henry H., Stony Point, assignor, by mesne assignments, to Moreton Carbureter Corporation, New York, N. Y. Sparking device. No. 1,257,291; Feb. 19; v. 247; p. 715.
Moreton, Henry H., Stony Point, assignor, by mesne assignments, to Moreton Carbureter Corporation, New York, N. Y. Spark-plug. No. 1,259,267; Mar. 12; v. 248; p. 418.
Morey, Charles B., and C. J. Huber, assignors to Larkin Co., Buffalo, N. Y. Cleaning metal articles. No. 1,274,186; July 30; v. 252; p. 1078.
Morey, Harry J., Syracuse, N. Y. Electric fixture. No. 1,255,910; Feb. 12; v. 247; p. 270.
Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Key-socket. No. 1,262,969; Apr. 16; v. 249; p. 616.
Morey, Harry J., Syracuse, assignor to Pass & Seymour, Solvay, N. Y. Electrical receptacle. No. 1,284,420; Nov. 12; v. 256; p. 287
Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Electric-lamp-socket casing. No. 1,289,230; Dec. 31; v. 257; p. 865.
Morgan, Andrew J., Framingham, Mass. Insulator-support No. 1,258,802; Mar. 12; v. 248; p. 286.
Morgan, C. J., *et al.* (See Mettlin, Thomas E., assignor.)
Morgan, Chester E., Snyder, Okla. Motor-cycle support. No. 1,280,069; Sept. 24; v. 254; p. 826.
Morgan Construction Company. (See Ambruson, Henrik J., assignor.)
Morgan Construction Company. (See Carroll, Elbert H., assignor.)
Morgan Construction Company. (See Edwards, Victor E., assignor.)
Morgan Construction Company. (See George, Jerome R., assignor.)
Morgan Construction Company. (See Hawthorne, Charles W., assignor.)
Morgan Construction Company. (See Jefferies, Ebenezer A., assignor.)
Morgan Construction Company. (See Jefferies, Ebenezer A. W., assignor.)
Morgan Construction Company. (See Lummis, Charles W., assignor.) (Reissue.)
Morgan Construction Company. (See Perdue, Henry C., assignor.)
Morgan, David, and R. C. Mayland, Bloomington, Ill. Machine for making reinforced-concrete blocks. No. 1,255,330; Feb. 5; v. 247; p. 62.
Morgan, David G., San Francisco, Cal. Machine for making automobile-bumpers. No. 1,266,975; May 21; v. 250; p. 641.
Morgan, Delevan F., assignor to Hofmann-Morgan Rubber Company, Chicago, Ill. Pneumatic tire. No. 1,280,808; Oct. 8; v. 255; p. 219.
Morgan, Doctor F., Lake Placedo, Tex. Portable support. No. 1,259,265; Mar. 12; v. 248; p. 418.
Morgan, Edmund C., Chicago, Ill. Mining and loading machine. No. 1,271,198; July 2; v. 252; p. 126.
Morgan, Edmund C., Chicago, Ill. Mining-machine. No. 1,271,199; July 2; v. 252; p. 127.
Morgan, Edmund C., Morgan Park, Ill. Mining-machine. No. 1,276,248; Aug. 20; v. 253; p. 588.
Morgan, Edmund C., Morgan Park, Ill. Mining-machine. No. 1,276,249; Aug. 20; v. 253; p. 588.
Morgan, Edmund C., New York, N. Y., assignor to American Morgan Company, Chicago, Ill. Mining-machine. No. 1,271,197; July 2; v. 252; p. 126.
Morgan, Frank L., Woodmont, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,280,274; Oct. 1; v. 255; p. 44.
Morgan-Gardner Electric Company. (See Noble, Ralph E., assignor.)
Morgan, Gilbert T., London, England. Manufacture of para-amino-N-methylformanilid. No. 1,273,901; July 30; v. 252; p. 998.
Morgan, Henry. (See Baker, Robert L., assignor.)
Morgan, Henry W., Rochester, N. Y. Box-printing machine. No. 1,278,369; Sept. 10; v. 254; p. 307.
Morgan, Hugh D., Youngstown, Ohio. Means for attaching an artificial tooth to a backing or bridge plate. No. 1,261,737; Apr. 2; v. 249; p. 209.
Morgan, J. E. (See Erskine, William B., assignor.)
Morgan, Jesse C., Portland, Oreg. Tread attachment for vehicle-wheels. No. 1,283,419; Oct. 29; v. 255; p. 1026.
Morgan, James R., Wilcox, Wash. Chain-fastener. No. 1,264,676; Apr. 30; v. 249; p. 1143.
Morgan, John, New York, N. Y. Shipping-tag. No. 1,257,378; Feb. 26; v. 247; p. 773.
Morgan, John, New York, N. Y. Receptacle for matches and the like. No. 1,259,657; Mar. 19; v. 248; p. 561.
Morgan, John D., New York, N. Y. Production of cyanogen compounds. No. 1,278,493; Sept. 10; v. 254; p. 339.
Morgan, John D., Summit, N. J., assignor to Steel Utilities, Incorporated. Label-dating machine. No. 1,280,275; Oct. 1; v. 255; p. 45.

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Morgan, John H., and C. W. Huntley, Holyoke, Mass. Means and apparatus for extracting static electricity. No. 1,275,585; Aug. 13; v. 253; p. 372.
Morgan, John L., Everett, assignor to J. M. Van Heusen, Boston, Mass. Collar. No. 1,254,339; Jan. 22; v. 246; p. 922.
Morgan, John L., Everett, assignor to J. M. Van Heusen, Boston, Mass. Collar. No. 1,254,340; Jan. 22; v. 246; p. 922.
Morgan, John W. (See Davis and Morgan.)
Morgan, John W., Milwaukee, Wis. Means for forming circular tunneling. No. 1,255,207; Feb. 5; v. 247; p. 27.
Morgan, Morgan D., *et al.* (See Coates, George, assignor.)
Morgan, Porter S., Norwalk, Conn., assignor to Momentum Brake Corporation. Brake mechanism. No. 1,269,199; June 11; v. 251; p. 336.
Morgan, Ralph L. (See Carland and Morgan.)
Morgan, Richard S., Edwardsville, Pa. Chair for mine-locomotives. No. 1,284,130; Nov. 5; v. 256; p. 184.
Morgan, Roy T., St. Louis, Mo. Spring-wheel. No. 1,276,679; Aug. 20; v. 253; p. 708.
Morgan, Stephen L., Skaneateles, N. Y. Lock for motor-vehicles. No. 1,277,992; Sept. 3; v. 254; p. 181.
Morgan, William. (See Mills and Morgan.)
Morgan, William H., Alliance, Ohio. Forging, flanging, and other press. No. 1,273,265; July 23; v. 252; p. 788.
Morgan, William H., Alliance, Ohio. Flanging-press. No. 1,288,648; Dec. 24; v. 257; p. 700.
Morgan, William H., Marseilles, Ill. Water heater and purifier. No. 1,254,058; Jan. 22; v. 246; p. 841.
Morgan, William H., assignor of one-half to P. H. Proctor, Marseilles, Ill. Thimble for repairing boiler-tubes. No. 1,285,313; Nov. 19; v. 256; p. 550.
Morgan, William J., Barton, Ohio. Permutation-padlock. No. 1,268,755; June 4; v. 251; p. 193.
Morgan, William T., Jr. (See Ashmore and Morgan.)
Morgan, Willie A., Marshville, N. C. Ambulance. No. 1,289,869; Dec. 31; v. 257; p. 1023.
Morgan & Wright. (See Fisher, George F., assignor.)
Morgan & Wright. (See Grosvenor, Oliver, assignor.)
Morgan & Wright. (See Holmes, Rudolph, assignor.)
Morgan & Wright. (See Hoyt, Homer J., assignor.)
Morgan & Wright. (See Kearns, William, assignor.)
Morgan & Wright. (See Meyer, Erwin E. A. G., assignor.)
Morgan & Wright. (See Midgley, Thomas, assignor.)
Morgan & Wright. (See Neal and Abbott, assignors.)
Morgan & Wright. (See Rettell, Joseph, assignor.)
Morganthaler, Peter C., Fort Wayne, Ind., assignor to General Electric Company. Prepayment apparatus. No. 1,254,619; Jan. 22; v. 246; p. 1002.
Morgenstern, Severin, Leipzig, Germany. Refining fats and oils. No. 1,275,289; Aug. 13; v. 253; p. 291.
Morian, F. Raymond, Olean, N. Y. Casting bait. No. 1,288,118; Dec. 17; v. 257; p. 545.
Moriarty, Daniel, New Orleans, La. Tire-mounting for vehicle-wheels. No. 1,279,402; Sept. 17; v. 254; p. 614.
Morichard, Jean H. A., Amsterdam, Netherlands. Indicating apparatus for maps and charts. No. 1,279,403; Sept. 17; v. 254; p. 615.
Morin, Fredrick C., Kress, Va. Common rule. No. 1,266,845; May 21; v. 250; p. 604.
Morin, Honore, Auburn, Me. Sole-leveling machine. No. 1,269,486; June 11; v. 251; p. 415.
Morison, Donald B., Hartlepool, England. Producing low vacuum in steam-condensers. No. 1,265,480; May 7; v. 250; p. 167.
Morissette, Joseph P., Holyoke, Mass. Thread-cutting device for shuttles. No. 1,257,096; Feb. 19; v. 247; p. 656.
Mork, Alfred, Chicago, Ill. Metal shelving. No. 1,282,104; Oct. 22; v. 255; p. 641.
Mork, Harry S. (See Esselen and Mork.)
Mork, Harry S., Brookline, Mass., assignor, by mesne assignments, to American La France Fire Engine Company, Inc., Elmira, N. Y. Fire-extinguisher composition. No. 1,278,714; Sept. 10; v. 254; p. 400.
Mork, Harry S., Brookline, Mass., assignor, by mesne assignments, to American La France Fire Engine Company, Inc., Elmira, N. Y. Fire-extinguisher composition. No. 1,278,715; Sept. 10; v. 254; p. 400.
Mork, Harry S., Brookline, Mass., assignor, by mesne assignments, to American La France Fire Engine Company, Inc., Elmira, N. Y. Fire-extinguisher composition. No. 1,278,716; Sept. 10; v. 254; p. 400.
Morkrum Company. (See Krum, Howard L., assignor.)
Morley, Albert, Three Oaks, Mich. Headlight for automobiles. No. 1,285,314; Nov. 19; v. 256; p. 550.
Morley, James P., and G. Kite, Jr., assignors to Bastian-Morley Co., Chicago, Ill. Gas-burner. No. 1,257,010; Feb. 19; v. 247; p. 633.
Morner and Smith. (See Smith, Charles D., assignor.)
Morozowicz, Nicholas H., Bellevue borough, and J. R. A. Farr, Ben Avon borough, Pa. Heel construction. No. 1,282,274; Oct. 22; v. 255; p. 688.
Morphis, Thomas M., Bynum, N. C. Third-rail fifth-leg bed-brace. No. 1,253,625; Jan. 15; v. 246; p. 698.
Morr, George E. (See Miller, Benjamin D., assignor.)
Morral, Samuel E. (See Morral, William W., assignor.)
Morral, Samuel E. and W. W., Morral, Ohio. Cornhusking machine. No. 1,283,541; Nov. 5; v. 256; p. 27.
Morral, William W. (See Morral, Samuel E. and W. W.)
Morral, William W., assignor of one-half to S. E. Morral, Morral, Ohio. Husking-rolls. No. 1,256,921; Feb. 19; v. 247; p. 606.
Morreau, Emile V., Marshall, Tex. Sandpapering-machine. No. 1,253,080; Jan. 8; v. 246; p. 511.
Morrell, Levi E. (See Morris and Morrell.)
Morrell, R. H., *et al.* (See Ashcraft, Albert C., assignor.)
Morrell, Samuel B., Gloversville, N. Y. Gauntlet-glove. No. 1,276,099; Aug. 20; v. 253; p. 548.
Morrey, Edward, Paterson, N. J. Harness-bit. No. 1,278,717; Sept. 10; v. 254; p. 400.
Morrill, Edmund N., Warren, N. H., assignor to Andes Exploration & Smelting Corporation. Method of and apparatus for smelting tin. No. 1,271,200; July 2; v. 252; p. 127.
Morris, Alexander C., assignor of one-half to A. P. Hollingsworth, Clarkston, Wash. Combination fence-post. No. 1,263,098; Apr. 16; v. 249; p. 654.
Morris, Andrew, Vancouver, British Columbia, Canada. Aviator's level. No. 1,284,421; Nov. 12; v. 256; p 288.
Morris, Cassius E., *et al.*, executors. (See Morris, Fulton R.)
Morris, Charles E., assignor to C. W. Parker, Leavenworth, Kans. Revolving teeter. No. 1,261,149; Apr. 2; v. 249; p. 44.
Morris, Charles E., assignor to C. W. Parker, Leavenworth, Kans. Carousel. No. 1,286,716; Dec. 3; v. 257; p. 128.
Morris, Charles E., assignor of one-half to C. Basley, Metaline, Wash. Plate for boots and shoes. No. 1,255,911; Feb. 12; v. 247; p. 271.
Morris, Charles O., Indianapolis, Ind. Electric-lamp replacer. No. 1,258,430; Mar. 5; v. 248; p. 141.
Morris, Ebenezer R., Sydney, New South Wales, Australia. Rifle-periscope. No. 1,264,133; Apr. 23; v. 249; p. 957.
Morris, Edgar H. (See Sonsthagen, Asbjorn, assignor.)
Morris, Edmund, assignor to Wilmarth Show Case Company, Grand Rapids, Mich. Connecting means for furniture-sections. No. 1,257,097; Feb. 19; v. 247; p. 656.
Morris, Edmund, assignor to Wilmarth Show Case Company, Grand Rapids, Mich. Connecting-piece for the walls of show-cases and the like. No. 1,269,839; June 18; v. 251; p. 546.
Morris, Francis, Philadelphia, Pa. Pipe-bending machine. No. 1,265,102; May 7; v. 250; p. 66.
Morris, Frank R., Berkeley, Cal. Perpetual calendar. No. 1,286,058; Nov. 26; v. 256; p. 776.
Morris, Frederick L., Hamilton, Ontario, Canada. Trolley-wheel and bearing therefor. No. 1,269,951; June 18; v. 251; p. 575.
Morris, Fulton R., deceased, Milwaukee, Wis.; C. E. Morris and M. R. Morris, executors; said C. E. Morris assignor of the whole right to A. W. Strong, Minneapolis, Minn. Duct-holder. No. 1,284,422; Nov. 12; v. 256; p. 288.
Morris, Fulton R., deceased, Milwaukee, Wis.; C. E. Morris and M. R. Morris, executors; said C. E. Morris assignor to A. W. Strong, Minneapolis, Minn. Method of and apparatus for drying and cooling grain. No. 1,288,438; Dec. 17; v. 257; p. 619.
Morris, George. (See Lutz, Herbert, assignor.)
Morris, George H., London, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Button. No. 1,268,868; June 11; v. 251; p. 245.
Morris, Harold B., Glendale, Cal. Manufacture of covered frame-pieces for chairs and other articles. No. 1,265,941; May 14; v. 250; p. 325.
Morris, Harold B., Glendale, Cal. Manufacture of chairs. No. 1,273,521; July 23; v. 252; p. 857.
Morris, Harold L. (See Nixon and Morris.)
Morris, Harold W. (See Lyons, Morris, and Nielsen.)
Morris, Harry, Groveland, N. Y. Snow-plow. No. 1,272,839; July 16; v. 252; p. 647.
Morris, Harry F., and R. Shinn, Collingswood, N. J. Forced-draft water-grate. No. 1,261,268; Apr. 2; v. 249; p. 78.
Morris, Henry C., Dallas, Tex. Gas-meter attachment. No. 1,288,963; Dec. 24; v. 257; p. 776.
Morris, Howard I., assignor to The Savage Tire Company, San Diego, Cal. Tire-carcass-supporting means. No. 1,268,482; June 4; v. 251; p. 118.
Morris, Howard I., assignor to The Savage Tire Company, San Diego, Cal. Loom element. No. 1,276,945; Aug. 27; v. 253; p. 815.
Morris, Howard I., San Diego, Cal., assignor, by mesne assignments, to The De Laski and Thropp Circular Woven Tire Company, Trenton, N. J. Tire-wrapping machine. No. 1,279,404; Sept. 17; v. 254; p. 615.
Morris, Howard I., San Diego, Cal., assignor, by mesne assignments, to The De Laski and Thropp Circular Woven Tire Company, Trenton, N. J. Tire-wrapping machine. No. 1,279,405; Sept. 17; v. 254; p. 615.
Morris, Howard I., assignor to The Savage Tire Company, San Diego, Cal. Loom element. No. 1,281,053; Oct. 8; v. 255; p. 284.

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Morris, Hurd T. (See Simmon and Morris.)
Morris, Isaac L., White Plains, N. Y. Trousers. No. 1,270,190; June 18; v. 251; p. 638.
Morris, James W., New York, N. Y., assignor to The Sinpar Company. Heat-engine. No. 1,253,413; Jan. 15; v. 246; p. 639.
Morrison, Jesse A., Florence, Colo. Post-hole digger and post-setter. No. 1,287,075; Dec. 10; v. 257; p. 253.
Morris, John, Beach, Va. Axle-skein. No. 1,277,993; Sept. 3; v. 254; p. 181.
Morris, John B., Wells, Kans. Check-book holder. No. 1,260,699; Mar. 26; v. 248; p. 898.
Morris, John M., assignor of two-thirds to Tredegars Limited, Mayfair, London, England. Construction of gas-generating apparatus. No. 1,277,457; Sept. 3; v. 254; p. 35.
Morris, John O., Washington, D. C., assignor to Planters Stemming Company, Wilmington, Del. Tobacco-stripping machine. No. 1,257,728; Feb. 26; v. 247; p. 878.
Morris, John T., Wynne, assignor to L. A. Morris, St. Inigoes, Md. Valve. No. 1,257,011; Feb. 19; v. 247; p. 633.
Morris, John W. (See Faidley, Morris, and Patterson.)
Morris, Jolly L., Crafton, Pa. Automatic weighing apparatus. No. 1,253,081; Jan. 8; v. 246; p. 511.
Morris, Joseph L., Lawrence, Kans. Ball-bearing. No. 1,279,574; Sept. 24; v. 254; p. 685.
Morris, Joseph L., Lawrence, Kans. Differential driving mechanism for automobiles. No. 1,279,575; Sept. 24; v. 254; p. 685.
Morris, Joshua M., assignor to Stanwear Manufacturing Company, Inc., Rochester, N. Y. Engine-starting mechanism. No. 1,288,649; Dec. 24; v. 257; p. 701.
Morris, Leonard D., Chicago, Ill. Electromagnetic organ-action. No. 1,282,275; Oct. 22; v. 255; p. 688.
Morris, Leonard D., Chicago, Ill. Electromagnet. No. 1,282,276; Oct. 22; v. 255; p. 688.
Morris, Leonard D., Chicago, Ill. Organ-action. No. 1,286,059; Nov. 26; v. 256; p. 776.
Morris, Lute P. (See Payne, Thompson and Morris.)
Morris, Mark R., *et al.*, executors. (See Morris, Fulton R.)
Morris, Moses, Haverhill, Mass. Shoe. No. 1,284,423; Nov. 12; v. 256; p. 288.
Morris, Percy, and J. O. Bryant, assignors to Whitehead, Morris & Company, Limited, London, England. Commercial paper. No. 1,269,487; June 11; v. 251; p. 415.
Morris, Robert P., Waterloo, Iowa. Stanchion operating and fastening means. No. 1,264,838; Apr. 30; v. 249; p. 1186.
Morris, Robert P., Waterloo, Iowa. Litter-carrier. No. 1,266,300; May 14; v. 250; p. 423.
Morris, Thomas C., Atlanta, Ga., assignor to P. Vredenburgh, Jr., Vredenburgh, Ala. Feeding-roller for lath-mills. No. 1,278,978; Sept. 17; v. 254; p. 501.
Morris, Thomas C., Atlanta, Ga., assignor to P. Vredenburgh, Jr., Vredenburgh, Ala. Mounting for feeding-rollers. No. 1,278,979; Sept. 17; v. 254; p. 501.
Morris, Thomas C, Atlanta, Ga., assignor to P. Vredenburgh, Jr., Vredenburgh, Ala. Feeding-roller mounting. No. 1,279,406; Sept. 17; v. 254; p. 615.
Morris, William H., *et al.* (See De Soto, Fred J., assignor.)
Morris, William J., and L. E. Morrell, Elba, Ala. Plow. No. 1,261,591; Apr. 2; v. 249; p. 170.
Morris, William T., Waxahachie, Tex. Nut-lock. No. 1,261,592; Apr. 2; v. 249; p. 170.
Morris, Willis G., assignor of one-half to S. Kellogg, Alameda, Cal. Window-scaffold. No. 1,277,458; Sept. 3; v. 254; p. 35.
Morrisey, James F., Morgantown, N. C. Means for setting circular saws. No. 1,266,703; May 21; v. 250; p. 565.
Morrisey, Richard A., assignor of one-half to Z. R. Powell, Plymouth, N. C. Saw. No. 1,281,810; Oct. 15; v. 255; p. 522
Morrison, Abraham C., Essex Fells, N. J. Treating gases. No. 1,273,929; July 30; v. 252; p. 1006.
Morrison, Abraham L., Dubuque, Iowa. Fire-guard for wooden poles. No. 1,263,789; Apr. 23; v. 249; p. 863.
Morrison, Augustus H., Amsterdam, N. Y. Strip-feeding means. No. 1,252,140; Jan. 1; v. 246; p. 205.
Morrison, David. (See Catlin and Morrison.)
Morrison, Donald B., Hartlepool, England. Apparatus for withdrawing fluids from vessels. No. 1,280,809; Oct. 8; v. 255; p. 219.
Morrison, George W., Lewiston, Idaho. Combined desk and chair. No. 1,288,119; Dec. 17; v. 257; p. 545.
Morrison, John. (See Clayton and Morrison.)
Morrison, John, Leominster, Mass. Making brushes. No. 1,265,808; May 14; v. 250; p. 286.
Morrison, John, Jr., Glens Falls, N. Y. Brush and making the same. No. 1,280,810; Oct. 8; v. 255; p. 220.
Morrison, John A. (See Beckner and Morrison.)
Morrison, John A., and N. J. Beckner, North Yakima, Wash. Switch-lock. No. 1,286,060; Nov. 26; v. 256; p. 777.
Morrison, Robert E., Colliersville, Tenn. Signaling device. No. 1,278,718; Sept. 10; v. 254; p. 401.
Morrison, Rolla O. (See Coleman and Morrison.)
Morrison, Walter L., Canonsburg, Pa., assignor to Electric Reduction Company. Producing alkali metals or the like. No. 1,265,360; May 7; v. 250; p. 134.
Morrison, William, Chicago, Ill. Battery. No. 1,261,269; Apr. 2; v. 249; p. 79.
Morrison, William, Chicago, Ill. Starter mechanism. No. 1,261,593; Apr. 2; v. 249; p. 170.
Morrison, William, Chicago, Ill. Dynamo-electric clutch. No. 1,261,594; Apr. 2; v. 249; p. 171.
Morrison, William, Chicago, Ill. Storage-battery separator. No. 1,262,228; Apr. 9; v. 249; p. 379.
Morrison, William, Chicago, Ill. Connector for storage batteries. No. 1,284,424; Nov. 12; v. 256; p. 288.
Morrison, William, Chicago, Ill. Negative plate for storage batteries. No. 1,284,425; Nov. 12; v. 256; p. 288.
Morrison, William, Chicago, Ill. Making storage-battery electrodes and filling mass therefor. No. 1,284,426; Nov. 12; v. 256; p. 288.
Morrison, William, Chicago, Ill. Storage-battery construction. No. 1,284,746; Nov. 12; v. 256; p. 367.
Morrison, William, Chicago, Ill. Power-transmission system and mechanism. No. 1,286,717; Dec. 3; v. 257; p. 128.
Morrison, William, Chicago, Ill. Cover for storage batteries. No. 1,288,120; Dec. 17; v. 257; p. 545.
Morrison, William, Des Moines, Iowa. Dynamo-electric clutch. No. 1,260,010; Mar. 19; v. 248; p. 666.
Morrison, William, Troy, N. Y. Making brushes. No. 1,265,237; May 7; v. 250; p. 101.
Morrissey, Michael F., Muskegon, Mich. Flying-machine. No. 1,255,105; Jan. 29; v. 246; p. 1172.
Morrissey, Rodney J., *et al.* (See Cheek, George C., assignor.)
Morros, Joe P. (See Kupec, George, assignor.)
Morrow, Albert D., Cordova, Ala. Wire-stretcher. No. 1,256,353; Feb. 12; v. 247; p. 403.
Morrow, Alexander P., Elmira, N. Y., assignor to E. Horton & Son Company, Windsor Locks, Conn. Chuck. No. 1,251,558; Jan. 1; v. 246; p. 34.
Morrow, Elmer L. (See Kennedy and Morrow.)
Morrow, Horace G., Berkeley, assignor to Standard Oil Company, Richmond, Cal. Grease-gun. No. 1,263,590; Apr. 23; v. 249; p. 810.
Morrow, James B., Dawson, N. Mex., assignor to Link-Belt Company, Chicago, Ill. Jig. No. 1,284,747; Nov. 12; v. 256; p. 367.
Morrow, John B., and C. P. Geritz, Brooklyn, N. Y. Umbrella. No. 1,255,627; Feb. 5; v. 247; p. 148.
Morrow, Joseph H., Welland, Ontario, Canada. Poultry feeder and exerciser. No. 1,268,869; June 11; v. 251; p. 245.
Morrow, Samuel W., assignor to U. S. Safety Appliance Company, Baltimore, Md. Safety appliance for automatic hammers. No. 1,269,729; June 18; v. 251; p. 514.
Morrow, Thomas B., and A. J. Basham, Turnersville, Tex. Automobile-extricating device. No. 1,262,543; Apr. 9; v. 249; p. 466.
Mors, Frank E., and J. A. Burt, Detroit, Mich. Traffic-signal. No. 1,281,630; Oct. 15; v. 255; p. 473.
Morse, Albert O., Leominster, Mass. Work-feeding device for boring or drilling machines. No. 1,261,840; Apr. 9; v. 249; p. 273.
Morse, Albert O., Leominster, Mass. Rocking-horse. No. 1,285,315; Nov. 19; v. 256; p. 550.
Morse, Andrew D., Framingham, assignor to Dennison Manufacturing Company, Boston, Mass. Tag-fastener. No. 1,271,743; July 9; v. 252; p. 311.
Morse, Arthur H., London, England. Electric selective device. No. 1,287,396; Dec. 10; v. 257; p. 334.
Morse Chain Company. (See Morse, Frank L., assignor.)
Morse, Charles H., assignor to Montpelier Manufacturing Company, Montpelier, Ind. Support-stay for engine-pumps. No. 1,287,728; Dec. 17; v. 257; p. 447.
Morse, Charles O. (See Grant and Morse.)
Morse, David M., Dundee, Mich. Shock-compressor. No. 1,281,994; Oct. 15; v. 255; p. 570.
Morse Door Lock Company, The. (See Morse, Homer F. and E. A., assignors.)
Morse, Earle M., East Foxboro, Mass. Portable pivoted-lever clamp. No. 1,255,773; Feb. 5; v. 247; p. 191.
Morse, Elizabeth G., Reading, Mass. Apparatus for drying foodstuffs. No. 1,270,540; June 25; v. 251; p. 762.
Morse, Erne A. (See Morse, Homer F. and E. A.)
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Machine for wearing in drive-chains. No. 1,255,912; Feb. 12; v. 247; p. 271.
Morse, Frank L., Ithaca, N. Y. Hardness-testing machine. No. 1,255,913; Feb. 12; v. 247; p. 271.
Morse, Frederic T., Marceline, Mo. Rail-clip for measuring-tapes. No. 1,269,840; June 18; v. 251; p. 546.
Morse, George E., Brockton, Mass. Picture-lifter. No. 1,254,925; Jan. 29; v. 246; p. 1123.
Morse, George O., Des Moines, Iowa. Rubber composition. No. 1,262,828; Apr. 16; v. 249; p. 576.
Morse, Harmon N., Baltimore, Md. Treating silicates. No. 1,286,718; Dec. 3; v. 257; p. 128.
Morse, Harry W., Los Angeles, Cal., assignor to Chino Copper Company, Hurley, N. Mex. Extraction of copper from its ores. No. 1,288,121; Dec. 17; v. 257; p. 545.

Alphabetical list of patentees—Continued.

Morse, Homer F. and E. A., assignors to The Morse Door Lock Company, Fort Morgan, Colo. Permutation-lock. No. 1,251,559; Jan. 1; v. 246; p. 34.
Morse, Leo, assignor to Leo Morse, Inc., New York, N. Y. Nursery bead or block. No. 1,287,397; Dec. 10; v. 257; p. 335.
Morse, Lulan S., Oceanpark, Cal. Tire-tread fastener. No. 1,270,191; June 18; v. 251; p. 638.
Morse, Robert V., Ithaca, N. Y. Dynamo-electric machine. No. 1,271,061; July 2; v. 252; p. 87.
Morse, Sylvenus B., *et al.* (See Seeger, August C., assignor.)
Morse, Robert V., Ithaca, N. Y. Centrifugal air-compression system. No. 1,280,276; Oct. 1; v. 255; p. 45.
Morse, Thomas R., Bexley, near Sydney, New South Wales, Australia. Band-brake. No. 1,276,792; Aug. 27; v. 253; p. 775.
Morse, William F., assignor to S. R. Parry, Rochester, N. Y. Mixing-machine. No. 1,267,578; May 28; v. 250; p. 835.
Morss, B. B. (See Mizener, George, assignor.)
Mort, George F., Ealing Common, England. Piston for engines and like cylinders. No. 1,257,098; Feb. 19; v. 247; p. 657.
Mortelwerk Joliet G. m. b. H. (See Joachim, Julius, assignor.)
Mortensen, August, assignor of one-half to L. G. C. Deffner, San Francisco, Cal. Banjo knee-rest. No. 1,261,841; Apr. 9; v. 249; p. 273.
Mortensen, Frantz, Copenhagen, Denmark. Safety-lock. No. 1,277,241; Aug. 27; v. 253; p. 894.
Morterud, John A., Duluth, Minn. Cream-separator. No. 1,280,523; Oct. 1; v. 255; p. 114.
Mortimer, Charles G., East Orange, N. J. Package-sealing device. No. 1,268,377; June 4; v. 251; p. 88.
Mortimer, Charles G., East Orange, N. J., assignor to National Binding Machine Company, New York, N. Y. Device for automatically moistening and serving strips of tape. No. 1,271,603; July 9; v. 252; p. 270.
Mortimer, Louis A., assignor to Western Electric Company, New York, N. Y. Testing system. No. 1,281,811; Oct. 15; v. 255; p. 522.
Morton Brake Company. (See Morton, Harold S., assignor.)
Morton, Frederic C., Cambridge, Mass., assignor of one-half to F. B. Carlisle, Cranston, R. I., and one-fourth to The Goodyear Tire & Rubber Co., Akron, Ohio. Shaping device for tire-carcasses. No. 1,278,980; Sept. 17; v. 254; p. 501.
Morton, Harold S., assignor to Morton Brake Company, Minneapolis, Minn. Vehicle-brake. No. 1,278,981; Sept. 17; v. 254; p. 502.
Morton, Harry D., assignor to Automatic Arc Welding Company, Detroit, Mich. Control system for electric-arc-welding mechanism. No. 1,278,982; Sept 17; v. 254; p. 502.
Morton, Harry D., assignor to Automatic Arc Welding Company, Detroit, Mich. Automatic arc-welding machine. No. 1,278,983; Sept 17; v. 254; p. 502.
Morton, Harry D., assignor to Automatic Arc Welding Company, Detroit, Mich. Method of and means for electric-arc welding. No 1,278,984; Sept. 17; v. 254; p. 503.
Morton, Harry D., assignor to Automatic Arc Welding Company, Detroit, Mich. Portable electric-arc-welding apparatus. No. 1,278,985; Sept. 17; v. 254; p. 503.
Morton, Harry E., Boston, Mass. Vacuum-breaker. No. 1,266,976; May 21; v. 250; p. 641.
Morton, Walter, Windsor, Ontario, Canada. Carbureter. No. 1,274,070; July 30; v. 252; p. 1045.
Morton, Walter S., Harrisburg, Pa. Steering and starting mechanism for tractors. No. 1,274,434; Aug. 6; v. 253; p. 26.
Morton, Walter S., Harrisburg, Pa. Brake for motor-trucks. No. 1,274,435; Aug. 6; v. 253; p. 27.
Morton, William J., St. Louis, Mo., assignor, by mesne assignments, to McBee Binder Company, Athens, Ohio. Perforating and binding machine for letter-sheets. No. 1,265,238; May 7; v. 250; p. 101.
Morton, William J., New York, N. Y., assignor to McBee Binder Company, Athens, Ohio. Work-holder for letter-sheet-perforating machines. No. 1,265,696; May 7; v. 250; p. 223.
Morton, Woolridge B., New York, N. Y. Paper-box machine. No. 1,271,604; July 9; v. 252; p. 271.
Mosby, Alfred D., assignor to Marsh-Capron Manufacturing Company, Chicago, Ill. Apparatus for distributing concrete. No. 1,267,440; May 28; v. 250; p. 797.
Mosby, Alfred D., assignor to Marsh-Capron Manufacturing Company, Chicago, Ill. Forming circular T-section tracks from straight pieces of rail. No. 1,269,631; June 18; v. 251; p. 487.
Mosby, William A., assignor of one-half to R. M. Lother, San Antonio, Tex. Insect-trap. No. 1,265,481; May 7; v. 250; p. 167.
Moschcowitz, Herman, New York, N. Y. Garment form and hanger. No. 1,254,719; Jan. 29; v. 246; p. 1061.
Moseley, Benjmine G., Graham, Tex. Wire-stretcher. No. 1,285,316; Nov. 19; v. 256; p. 551.
Moseley, Emerson B., deceased, Alliance; M. L. Moseley, administratrix, assignor to The McCaskey Register Company, Canton, Ohio. Filing appliance. No. 1,281,812; Oct. 15; v. 255; p. 523.
Moseley, George G., Richmond, Va. Fuel-mixing device for internal-combustion engines. No. 1,259,266; Mar. 12; v. 248; p. 418.
Moseley, Howard A. (See Menasco, Charles J., assignor.)
Moseley, Metta L., administratrix. (See Moseley, Emerson B.)
Moseman, John H., *et al.* (See Herr, Abram B., assignor.)
Moser, Andrew, Hickman, Nebr. Leveling device. No. 1,259,547; Mar. 19; v. 248; p. 531.
Moser, Fred J., Friendship, N. Y. Reel. (Reissue.) No. 14,543; Oct. 29; v. 255; p. 1034.
Moser, Fred J., Kane, Pa. Anchor for tubings for gas-wells. No. 1,283,864; Nov. 5; v. 256; p. 113.
Moser, Henry O., Buffalo Gap, Saskatchewan, Canada. Device for removing and replacing wagon-bodies and the like. No. 1,272,500; July 16; v. 252; p. 549.
Moser, Jacob W., Byers, Tex. Cork-puller. No. 1,281,631; Oct. 15; v. 255; p. 473.
Moses, Albert B., Seattle, Wash. Producing liquid food from soy-beans. No. 1,281,411; Oct. 15; v. 255; p. 417.
Moses, Asheleigh S., New York, N. Y., assignor to St. Louis Smelting and Refining Company, St. Louis, Mo. Mechanically-operated Scotch hearth. No. 1,263,695; Apr. 23; v. 249; p. 838.
Moses, Percy L., Brookline, Mass., and H. C. Greene, deceased, Cohoes, H. S. Greene, administrator, Waterford, N. Y., assignors to Asbestos Protected Metal Company, Pittsburgh, Pa. Skylight and glass-wall structure. No. 1,266,613; May 21; v. 250; p. 540.
Moses, Samuel, Jerseyville, Ill. Flying-machine. No. 1,287,076; Dec. 10; v. 257; p. 253.
Moses, William B., Brookline, assignor to Gray & Davis, Inc., Cambridge, Mass. Ignition device. No. 1,262,544; Apr. 9; v. 249; p. 467.
Mosher, Charles D., New York, N. Y. Furnace structure. No. 1,260,789; Mar. 26; v. 248; p. 924.
Mosher, Charles D., New York, N. Y. Furnace. No. 1,289,037; Dec. 24; v. 257; p. 793.
Mosher, Charles P., Groton, N. Y., assignor to Carona Typewriter Company, Inc. Type-writing machine. No. 1,269,200; June 11; v. 251; p. 336.
Mosher, Charles P., Groton, Mass., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,269,201; June 11; v. 251; p. 337.
Mosher, Charles P., Groton, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,269,202; June 11; v. 251; p. 337.
Mosher, Charles P., Groton, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,269,203; June 11; v. 251; p. 338.
Mosher, Charles P., Croton, N. Y., assignor to Corona Typewriter Co., Inc. Type-writing machine. No. 1,269,204; June 11; v. 251; p. 338.
Mosher, Harvey G., Birmingham, Mich. Automobile-mirror. No. 1,275,974; Aug. 13; v. 253; p. 481.
Moskovits Mór és Fia. (See Moskovits and Jacobsen, assignors.)
Moskovits, Nicolaus, and K. A. Jacobsen, assignors to Moskovits, Mór és Fia, Nagy-Várad, Hungary. Substitute highly-nitrogenous food and producing the same. No. 1,277,336; Aug. 27; v. 253; p. 918.
Moskowitz, Rudolph, Detroit, Mich., assignor of one-half to J. Gewirtz, New York, N. Y. Antiskid attachment for tires. No. 1,281,054; Oct. 8; v. 255; p. 284.
Mosler, Arthur R., New York, N. Y. Spark-plug. No. 1,256,719; Feb. 19; v. 247; p. 545.
Mosler, Arthur R., New York, assignor to A. R. Mosler & Co., Yonkers, N. Y. Spark-plug. No. 1,257,729; Feb. 26; v. 247; p. 878.
Mosley, Noah S., Fort Worth, Tex. Head for hammers and other tools. No. 1,267,441; May 28; v. 250; p. 798.
Mosher, Walter H., Lowville, N. Y. Music-turner. No. 1,271,744; July 9; v. 252; p. 311.
Mosnat, Hugo R., Kansas City, Mo. Composition of matter for treating leather. No. 1,277,242; Aug. 27; v. 253; p. 895.
Moss, Alfred C., Ogden, Utah. Autographic camera. No. 1,252,605; Jan. 8; v. 246; p. 371.
Moss, Ernest, Christchurch, New Zealand. Pouring attachment to tins, cans, and the like. No. 1,264,960; May 7; v. 250; p. 24.
Moss, Ezekiel H., Lovell, Okla. Wire-stretcher. No. 1,285,781; Nov. 26; v. 256; p. 708.
Moss, Francis E., Worthington, near Wigan, England. Chimney, cowl, or ventilating appliance. No. 1,257,916; Feb. 26; v. 247; p. 932.
Moss, Isidor, Brookline, Mass. Snap-fastener. No. 1,268,870; June 11; v. 251; p. 245.
Mott, James H., Minneapolis, Minn. Manure-spreader. No. 1,289,513; Dec. 31; v. 257; p. 936.
Moss, Robert S., Chicago, and A. Roberts, Evanston, Ill. Coke-oven. No. 1,289,870; Dec. 31; v. 257; p. 1023.

Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Pump. No. 1,264,116; Apr. 23; v. 249; p. 952.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Governing mechanism for compressors and exhausters. No. 1,265,482; May 7; v. 250; p. 167.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Pulsation-preventing apparatus for centrifugal compressors. No. 1,280,811; Oct. 8; v. 255; p. 220.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Pulsation-preventing mechanism. No. 1,280,812; Oct. 8; v. 255; p. 220.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,281,995; Oct. 15; v. 255; p. 570.
Moss, Turner F. (See Pate, William H., assignor.)
Mossberg, Frank, Attleboro, Mass. Making metal rings. No. 1,263,271; Apr. 16; v. 249; p. 700.
Mossholder, Earl C. (See Gould and Mossholder.)
Mosteller, Dozier H., Sacramento, Cal. Envelop-sealer. No. 1,258,697; Mar. 12; v. 248; p. 257.
Mosteller, Dosier H., Oak Park, Ill. Straw-dispenser. No. 1,267,579; May 28; v. 250; p. 836.
Mote, Horace, Detroit, Mich. Demountable and separable vehicle-wheel rim. No. 1,264,542; Apr. 30; v. 249; p. 1106.
Mother's Macaroni Company. (See Williams, James T., assignor.)
Motherwell, Alexander A., Flint, Mich., assignor to General Motors Company, Jersey City, N. J. Forming crankshafts. No. 1,271,605; July 9; v. 252; p. 271.
Motion Picture Apparatus Co. (See Coberly, Clarence J., assignor.)
Motor Cycle Car Corporation, The. (See Bennett, Arthur E., assignor.)
Motor Car Equipment Company, The. (See Frederick, William A., assignor.)
Motor Cooling Systems Company, The. (See La Porte, Norbert M., assignor.)
Motor Development Company. (See Gerosa, Anthony, assignor.)
Motor Petrol Company. (See Hall, William A., assignor.)
Motor Specialties Company. (See Hoyt, Howard S., assignor.)
Motor Terminals Company, The. (See Fitch, Benjamin F., assignor.)
Motor Terminals Company, The. (See Fitch, Benjamin F., assignor.)
Motorcycle Sweeper Company. (See Hoffer and Smedley, assignors.)
Motsch, Albert F., Oskaloosa, Iowa. Ledger-sheet pocket for signature-cards. No. 1,266,142; May 14; v. 250; p. 381.
Motsinger, Newell H., Fredonia, Pa. Rotary engine. No. 1,272,297; July 9; v. 252; p. 466.
Mott, Abram C., Jr., assignor to Abram Cox Stove Company, Philadelphia, Pa. Combined coal and gas range. No. 1,253,707; Jan. 15; v. 246; p. 723.
Mott, Abram C., Jr., assignor to Abram Cox Stove Company, Philadelphia, Pa. Boiler-furnace. No. 1,262,229; Apr. 9; v. 249; p. 379.
Mott, Abram C., Jr., assignor to Abram Cox Stove Company, Philadelphia, Pa. Boiler-furnace. No. 1,276,395; Aug. 20; v. 253; p. 631.
Mott, Joseph C., Great Neck, N. Y. Collar. No. 1,254,059; Jan. 22; v. 246; p. 841.
Mott, Samuel D., Passaic, assignor of one-half to A. B. Sullivan, Allendale, N. J. Variable-pitch propeller. No. 1,279,742; Sept. 24; v. 254; p. 733.
Mott, William D., and L. Van Brown, Asheville, N. C. Burglar-alarm. No. 1,256,504; Feb. 12; v. 247; p. 448.
Mott, William P., Chicago, Ill. Spraying apparatus. No. 1,254,834; Jan. 29; v. 246; p. 1097.
Mott, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Manufacturing lampblack. No. 1,259,121; Mar. 12; v. 248; p. 380.
Mott, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Arc-lamp electrode. No. 1,289,514; Dec. 31; v. 257; p. 937.
Mottlau, August J., assignor to G. E. M. Engineering Company, Philadelphia, Pa. Governor for fluid-pumps. No. 1,254,060; Jan. 22; v. 246; p. 841.
Mottola, Harry P., Hammonton, N. J. Lock for automobile steering-gears. No. 1,277,994; Sept. 3; v. 254; p. 181.
Motts, Charles W., Atchison, Kans., assignor to Henry Weis Manufacturing Company, Kansas City, Mo. Toilet-partition. No. 1,256,354; Feb. 12; v. 247; p. 404.
Mouat, Thomas G., Bratenahl, Ohio. Pressure-regulating apparatus. No. 1,284,748; Nov. 12; v. 256; p. 368.
Mouat, Thomas G., Bratenahl, Ohio. Return-fitting for vapor-heating systems. No. 1,287,729; Dec. 17; v. 257; p. 447.
Mouchet, Theodore S., Bowersville, Ga. Pea-picker. No. 1,255,914; Feb. 12; v. 247; p. 272.
Mouck, William E. (See Curry and Lewis, assignors.)
Moudy, Earl R., Chester, Pa. Fender mechanism. No. 1,269,488; June 11; v. 251; p. 415.
Mougin, Spencer F., Seattle, Wash. Wheeled dirt-scraper. No. 1,258,238; Mar. 5; v. 248; p. 83.
Mougey, Wilbur E. (See Anderegg and Mougey.)
Moule, Harry R., assignor to Maxwell Motor Company, Inc., Detroit, Mich. Automobile-loading system. No. 1,272,501; July 16; v. 252; p. 550.
Moulthrop, Lembert H., assignor to H. T. Paiste Company, Philadelphia, Pa. Swivel connection. No. 1,255,774; Feb. 5; v. 247; p. 191.
Moulthrop, Lembert H., assignor to H. T. Paiste Company, Philadelphia, Pa. Attachment-plug cap. No. 1,257,730; Feb. 26; v. 247; p. 879.
Moulton, Harley C., Dorchester, assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,255,628; Feb. 5; v. 247; p. 148.
Moulton, Harley C. (See Hayes and Moulton.)
Mount, Thomas L., New York, N. Y. System for charging car-lighting batteries. No. 1,275,586; Aug. 13; v. 253; p. 372.
Mount, William H. H., Jr., Millington, N. J. Office-partition structure. No. 1,267,891; May 28; v. 250; p. 925.
Mount Fire Alarm Corporation. (See Harsch, Charles A., assignor.)
Mountain, Thomas O., El Paso, assignor to C. W. Mace, El Paso county, Tex. Valve-spring lifter. No. 1,269,952; June 18; v. 251; p. 575.
Mountford, Thomas A., Newark, N. J. Safety device for punch-presses. No. 1,282,452; Oct. 22; v. 255; p. 736.
Mountjoy, Earl L., Tabor, Ill. Stalk-cutting attachment for plows. No. 1,261,150; Apr. 2; v. 249; p. 44.
Mouras, Jean M. R., Plailly, France. Automobile-vehicle. No. 1,285,317; Nov. 19; v. 256; p. 551.
Mouse, Harold E., Elkins, W. Va. Switch-operating mechanism. No. 1,254,341; Jan. 22; v. 246; p. 922.
Mousley, John R., Kansas City, Mo. Shock-absorber for motor-cars. No. 1,269,730; June 18; v. 251; p. 515.
Mousley, John R., Kansas City, Mo. Shock-absorber for motor-cars. No. 1,269,731; June 18; v. 251; p. 515.
Mow, William J., Grass Valley, Cal. Brake for uphauls for mines. No. 1,274,071; July 30; v. 252; p. 1045.
Mowbray, Frank H., Maidenhead, assignor to The Orchestrelle Company, London, England. Perforated tune-sheet for mechanical piano-players and the like. No. 1,281,632; Oct. 15; v. 255; p. 474.
Mowbray, Winfred B. (See Johnston and Mowbray.)
Mowery, George E., Lancaster, Ohio. Music-leaf turner. No. 1,253,708; Jan. 15; v. 246; p. 723.
Mowery, J. H. (See Bell, Silas D., assignor.)
Mowlds, Thomas D., Bala, Pa. Channeling attachment for impact rock-drills. No. 1,264,424; Apr. 30; v. 249; p. 1073.
Mowrey, Walter E., Arnold, Nebr. Photographic-plate holder. No. 1,279,407; Sept. 17; v. 254; p. 616.
Mowrey, William E., St. Paul, Minn. Precious-metal alloy. No. 1,283,264; Oct. 29; v. 255; p. 984.
Mowry, Edward, Sterling, Ill., assignor to International Harvester Company of New Jersey. Hay-loader. No. 1,275,722; Aug. 13; v. 253; p. 411.
Mowry Machinery Manufacturing Company. (See Mowry, Roy M., assignor.)
Mowry, Roy M., assignor to Mowry Machinery Manufacturing Company, Los Angeles, Cal. Wire-tie and making same. No. 1,272,502; July 16; v. 252; p. 550.
Mowry, James M., Chillicothe, Ohio. Combination-cane. No. 1,282,105; Oct. 22; v. 255; p. 641.
Mowry, Charles W., Lynn, Mass., assignor to the People of the United States and Territories. Wall-sprinkler head. No. 1,288,122; Dec. 17; v. 257; p. 546.
Mowry, Charles W., Lynn, Mass., assignor to the People of the United States and Territories. Cornice-sprinkler head. No. 1,288,123; Dec. 17; v. 257; p. 546.
Moyer, Albert W., Belmar, N. J. Furnace. No. 1,264,961; May 7; v. 250; p. 24.
Moyer, Anna E., Schwenkville, Pa. Dressmaking appliance. No. 1,262,376; Apr. 9; v. 249; p. 420.
Moyer, Charles E., *et al.* (See Wilsdorf, Elmer L., assignor.)
Moyer, Fredellia H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-making machine. No. 1,252,925; Jan. 8; v. 246; p. 461.
Moyer, Horace C., Oak Park, assignor to The Windsor Furniture Company, Chicago, Ill. Graphophone. No. 1,279,743; Sept. 24; v. 254; p. 733.
Moyer, James E., *et al.* (See McCormick, Oscar C., assignor.)
Moyer, Malcolm B., Montevideo, Minn. Hoist. No. 1,258,698; Mar. 12; v. 248; p. 257.
Moyer, Malcolm B., Montevideo, Minn. Ventilator. No. 1,284,427; Nov. 12; v. 256; p. 288.
Moyer, Ralph E., Scottville, Mich. Baling-press. No. 1,261,051; Apr. 2; v. 249; p. 18.
Moyer, Samuel S., Kitchener, Ontario, Canada. Hernia-truss. No. 1,261,270; Apr. 2; v. 249; p. 79.
Moyer, William W., Camden, N. J., assignor to Victor Talking Machine Company. Method of making styli, &c. No. 1,251,907; Jan. 1; v. 246; p. 138.
Moyer, William W., Camden, N. J., assignor to Victor Talking Machine Company. Stylus for sound-reproducing machines. No. 1,251,908; Jan. 1; v. 246; p. 139.
Moyer, William W., Camden, N. J., assignor to Victor Talking Machine Company. Machine for making styli. No. 1,251,909; Jan. 1; v. 246; p. 139.
Moyer, William W. (See Burton, Moyer, and Squibb.)

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Moylan, Alexander M., Century, Fla. Car-door. No. 1,287,730; Dec. 17; v. 257; p. 447.
Moyle, Edward H., Los Angeles, Cal. Adjusting and safety means for crusher-jaws. No. 1,281,055; Oct. 8; v. 255; p. 285.
Moynihan, Eugene J., San Francisco, Cal. Rock-carrying steam-shovel dipper. No. 1,263,790; Apr. 23; v. 249; p. 863.
Moynihan, Eugene J., San Francisco, Cal. Rock-carrying steam-shovel dipper. No. 1,263,791; Apr. 23; v. 249; p. 863.
Moynihan, Eugene J., San Francisco, Cal. Steam-shovel. No. 1,282,453; Oct. 22; v. 255; p. 736.
Moynihan, Eugene J., San Francisco, Cal. Dipper and handle for steam-shovels. No. 1,285,318; Nov. 19; v. 256; p. 551.
Mrakitsch, Anton, assignor of one-fifth to G. Kwetcher, one-fifth to J. Binder, one-fifth to V. Brukler, and one-fifth to C. Winiger, Detroit, Mich. Horseshoe. No. 1,265,942; May 14; v. 250; p. 325.
Mroczek, Adam, Chicago, Ill. Cover for boilers. No. 1,264,543; Apr. 30; v. 249; p. 1106.
Mrosko, John, Belleville, Ill. Submarine cutter. No. 1,258,135; Mar. 5; v. 248; p. 54.
Mt. Vernon Car Manufacturing Company. (See Rogers, Clancy M., assignor.)
Muchow, William M., Evanston, Ill. Dental-floss container. No. 1,260,011; Mar. 19; v. 248; p. 666.
Muchow, William M., Evanston, Ill. Artificial tooth. No. 1,267,442; May 28; v. 250; p. 798.
Muckenhirn, Charles H., Detroit, Mich. Light-diffuser for automobile-headlights. (Reissue.) No. 14,463; Apr. 23; v. 249; p. 964.
Muckenhirn, Charles H., Detroit, Mich. Light-diffuser for headlights. No. 1,288,124; Dec. 17; v. 257; p. 546.
Muckey, Earle A., assignor of one-half to E. W. Beardsley, San Francisco, Cal. Insulator assemblage for electric construction. No. 1,257,516; Feb. 26; v. 247; p. 814.
Muckle, Theodore W., assignor to The Case Manufacturing Corporation, Denver, Colo. Melting-furnace. No. 1,286,719; Dec. 3; v. 257; p. 128.
Mudd, Seeley W. (See Trent and Mudd.)
Muddyman, Edward, Jr. (See Pratt, John J., assignor.)
Mudge, Albert A., Cleveland, Ohio. Loading-platform. No. 1,254,835; Jan. 29; v. 246; p. 1097.
Mudge & Company. (See Vanatta, Jean K., assignor.)
Muegge, Helmuth G., Baker, Oreg. Posting-box. No. 1,271,201; July 2; v. 252; p. 127.
Muehlhauser, Martin W. (See Scofield and Muehlhauser.)
Mueller, Adolf E., Louisville, Ky. Adjustable overflow attachment. No. 1,262,545; Apr. 9; v. 249; p. 467.
Mueller, August E., assignor of one-third to T. J. Hruby and one-third to O. J. Hruby, Chicago, Ill. Crutch and artificial limb. No. 1,254,061; Jan. 22; v. 246; p. 842.
Mueller, August E., assignor of one-third to T. J. Hruby and one-third to J. O. Hruby, Jr., Chicago, Ill. Steering-gear for motor-vehicles. No. 1,255,775; Feb. 5; v. 247; p. 191.
Mueller, August E., assignor of one-third to T. J. Hruby and one-third to J. O. Hruby, Jr., Chicago, Ill. Motor-vehicle. No. 1,276,250; Aug. 20; v. 253; p. 589.
Mueller, Curt B., Lakewood, Ohio. Vehicle-body. No. 1,289,871; Dec. 31; v. 257; p. 1024.
Mueller, Edward H., Hartford, Wis. Match-box. No. 1,268,378; June 4; v. 251; p. 88.
Mueller, Edward T., assignor of one-half to E. A. Christoph, Chicago, Ill. Chain-link. No. 1,271,202; July 2; v. 252; p. 128.
Mueller, Edwin, Athens, Wis. Tread-shoe for vehicle-wheels. No. 1,257,379; Feb. 26; v. 247; p. 773.
Mueller, Emil C., Jr., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-transmitter mouthpiece. No. 1,252,475; Jan. 8; v. 246; p. 333.
Mueller, Frank G. (See Weston and Mueller.)
Mueller, Frederick. (See Thieme and Mueller.)
Mueller, Frederick W., Baltimore, Md. Camera. No. 1,252,829; Jan. 8; v. 246; p. 434.
Mueller, Fredrick W., assignor of one-fourth to J. B. Suess, Seattle, Wash. Composition of paint. No. 1,260,012; Mar. 19; v. 248; p. 666.
Mueller, Godfrey. (See De Vilbiss and Mueller.)
Mueller, Hilmar, Trenton, N. J. Potter's lawn. No. 1,286,720; Dec. 3; v. 257; p. 129.
Mueller, Jacob W., assignor, by mesne assignments, to
Mueller, John, St. Louis, Mo. Arch-support. No. 1,289,515; Dec. 31; v. 257; p. 937.
Mueller, John C., St. Louis, Mo. Combined protector and grower for plants. No. 1,254,260; Jan. 22; v. 246; p. 899.
Mueller, John C., St. Louis, Mo. Wall-coping. No. 1,270,541; June 25; v. 251; p. 762.
Mueller, John G., Dayton, Ohio. Track equipment. No. 1,277,460; Sept. 3; v. 254; p. 35.
Mueller, John L., St. Louis, Mo. Oil-cloth stand. No. 1,289,872; Dec. 31; v. 257; p. 1024.
Mueller, Max M., Chicago, Ill. Lock for steering mechanism. No. 1,252,362; Jan. 1; v. 246; p. 264.
Mueller, Max M., Chicago, Ill. Steering-gear lock. No. 1,261,151; Apr. 2; v. 249; p. 45.
Mueller, Paul, Berlin, Germany. Drying apparatus. No. 1,255,915; Feb. 12; v. 247; p. 272.
Mueller, Philip, Decatur, Ill. Fuller ball. No. 1,263,792; Apr. 23; v. 249; p. 864.
Mueller, Philip, and A. C. Schuermann, Decatur, Ill. Bearing for tapping-machines. No. 1,280,813; Oct. 8; v. 255; p. 220.
Mueller, Rudolph J. J., assignor to Universal Oxygen Company, Sheboygan, Wis. Cheese-hoop. No. 1,255,629; Feb. 5; v. 247; p. 149.
Mueller, Theodor M., Detroit, Mich. Tilting lamp. No. 1,276,070; Aug. 20; v. 253; p. 540.
Mueller, William, Junction, Tex. Canning apparatus. No. 1,252,926; Jan. 8; v. 246; p. 461.
Muehl, Viola. (See Wertz, Duff H., assignor.)
Orbon Stove Company, Belleville, Ill. Combination coal and gas range. No. 1,280,070; Sept. 24; v. 254; p. 826.
Mugica, Juan, San Sabastian, Spain. Road-paving apparatus. No. 1,263,272; Apr. 16; v. 249; p. 700.
Mugica, Juan, San Sebastian, Spain. Apparatus for the manufacture of continuous reinforced strips of asphalt. No. 1,266,846; May 21; v. 250; p. 605.
Mühl, Christian J., Williamson, N. Y. Hand-cultivator. No. 1,262,230; Apr. 9; v. 249; p. 379.
Muhl, Gustav A., Toronto, Iowa. Pig's forceps. No. 1,277,243; Aug. 27; v. 253; p. 895.
Mühlbauer, Ernst C., assignor to Universelle Cigaretten-Maschinen-Industrie System Otto Bergsträsser Aktiengesellschaft, Dresden-Löbtau, Germany. Machine for applying cork, metal foil, or the like at intervals to strips of cigarette-paper. No. 1,259,548; Mar. 19; v. 248; p. 532.
Muhleisen, Henry W., assignor to A. P. Worthington, Los Angeles, Cal. Oil-can. No. 1,255,833; Feb. 5; v. 247; p. 208.
Muhleisen, Henry W., assignor to A. P. Worthington, Los Angeles, Cal. Oil-can. (Reissue.) No. 14,578; Dec. 24; v. 257; p. 801.
Muhleisen, Henry W., assignor to W. S. Rush, Los Angeles, Cal. Piston-ring extractor. No. 1,278,719; Sept. 10; v. 254; p. 401.
Muhlfeld, Frank J., New York, N. Y. Decorating hats. No. 1,259,038; Mar. 12; v. 248; p. 356.
Muhlfeld, John E. (See Caracristi and Muhlfeld.)
Muhlfeld, John E., Scarsdale, N. Y. Locomotive-tender. No. 1,262,231; Apr. 9; v. 249; p. 379.
Muhlfeld, John E., Scarsdale, N. Y., assignor to Locomotive Pulverized Fuel Company. Furnace for burning pulverized fuel. No. 1,262,546; Apr. 9; v. 249; p. 467.
Muhlfeld, John E., Scarsdale, N. Y., assignor to Locomotive Pulverized Fuel Company. Apparatus for feeding pulverized fuel. No. 1,282,106; Oct. 22; v. 255; p. 641.
Muhlfeld, John E., Scarsdale, and G. W. Clendon, Brooklyn, assignors to Economy Devices Corporation, New York, N. Y. Safety aperture-closure. No. 1,261,952; Apr. 9; v. 249; p. 302.
Muhlfeld, John E., Scarsdale, and G. W. Clendon, Brooklyn, assignors to Economy Devices Corporation, New York, N. Y. Steam valve-chest. No. 1,261,953; Apr. 9; v. 249; p. 303.
Muhlig, Otto G. (See Fragmeier and Muhlig.)
Muir, James A., Morristown, N. J. Beating-engine. No. 1,269,841; June 18; v. 251; p. 546.
Muir, Joseph A., Smithboro, Ill. Signal for mine-railways. No. 1,274,072; July 30; v. 252; p. 1045.
Muir, Wellington W., Baltimore, Md. Cooling system. (Reissue.) No. 14,508; Aug. 20; v. 253; p. 716.
Muir, Wellington W., Baltimore, Md. Cooling system.
Mularz, Joseph, assignor of one-third to I. Solosky, Midland, Mich. Indicating-buoy. No. 1,273,522; July 23; v. 252; p. 857.
No. 1,252,927; Jan. 8; v. 246; p. 462.
Mulcahy, Michael C., Beverly, Mass. Sanding-machine. No. 1,288,964; Dec. 24; v. 257; p. 776.
Mulchahey, Earl R., Providence, R. I. Engraving-machine. No. 1,276,793; Aug. 27; v. 253; p. 776.
Mulconroy, Joseph J., Philadelphia, Pa. High-pressure hose-coupling. No. 1,286,388; Dec. 3; v. 257; p. 50.
Mulder, Abel R., Rochester, N. Y. Bread-cutting machine. No. 1,289,516; Dec. 31; v. 257; p. 937.
Mulder, Cornelius A., Amsterdam, Netherlands. Safety-razor. No. 1,271,352; July 2; v. 252; p. 168.
Muldner, Carl C., Jr., Maplewood, Mo. Turbine toy. No. 1,256,816; Feb. 19; v. 247; p. 574.
Mulet, Lorenzo M., San Juan, Porto Rico, assignor to Porto Rican American Tobacco Company. Stamp-affixing machine. No. 1,261,595; Apr. 2; v. 249; p. 171.
Mulford, Harry K., Wayne, assignor to H. K. Mulford Company, Philadelphia, Pa. Hypodermic needle. No. 1,263,793; Apr. 23; v. 249; p. 864.
Mulhall, Charles W. (See Peterson, Olef E., assignor.)
Mulig, Frank, assignor of one-half to J. H. Ott, Lyndora, Pa. Toy. No. 1,266,847; May 21; v. 250; p. 605.
Mulkern, Thomas A. (See Andersen, Karl A. J., assignor.)
Mulken, Wilber L., assignor to Smith & Davis Manufacturing Cmpany, St. Louis, Mo. Link fabric. No. 1,264,425; Apr. 30; v. 249; p. 1073.
Mulkins, Reginald G., Ottawa, Ontario, Canada. Speed-changing mechanism. No. 1,252,476; Jan. 8; v. 246; p. 334.

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Mullaney, Thomas F., and W. J. Quinn, New York, N. Y. Method of and apparatus for proportioning the load between a plurality of series motors. No. 1,278,192; Sept. 10; v. 254; p. 259.
Mullarky, Michael C., assignor to Ames Holden McCready, Limited, Montreal, Quebec, Canada. Skating-boot. No. 1,261,152; Apr. 2; v. 249; p. 45.
Mullen, Benjamin J., Leetonia, Ohio. Machine for tapping blast-furnaces. No. 1,276,251; Aug. 20; v. 253; p. 589.
Mullen, Benjamin J., Leetonia, Ohio. Machine for tapping blast-furnaces. No. 1,276,252; Aug. 20; v. 253; p. 590.
Muller, Edward, North Bergen, N. J. Vehicle-washer. No. 1,264,962; May 7; v. 250; p. 25.
Müller, Friederich, Hartford, Conn. Automobile-body. No. 1,271,745; July 9; v. 252; p. 311.
Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Magazine mechanism. No. 1,273,902; July 30; v. 252; p. 998.
Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Driving mechanism. No. 1,273,903; July 30; v. 252; p. 998.
Müller, Friederich, assignor to Pratt & Whitney Company, Hartford, Conn. Tap-making machine. No. 1,273,904; July 30; v. 252; p. 998.
Mullen, George B., New York, N. Y. Tire-gage attachment. No. 1,278,720; Sept. 10; v. 254; p. 401.
Mullen, James S., Richland, Ga. Method of and apparatus for treating a mixture of cotton-seed meats, hulls, and lint. No. 1,286,389; Dec. 3; v. 257; p. 50.
Mullen, Thomas J., New Brighton, and T. F. Brennan, Tompkinsville, N. Y. Pneumatic runing-gear for vehicles. No. 1,258,355; Mar. 5; v. 248; p. 117.
Mullenax, Henry W., Monterey, Va. Convertible hillside reversible plow. No. 1,262,232; Apr. 9; v. 249; p. 380.
Muller, Fred, Jr., Hewlett, N. Y. Carrier attachment. No. 1,260,937; Mar. 26; v. 248; p. 963.
Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Automatic grinding-machine. No. 1,287,731; Dec. 17; v. 257; p. 448.
Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Machine for milling knurls. No. 1,287,732; Dec. 17; v. 257; p. 448.
Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Magazine mechanism. No. 1,288,125; Dec. 17; v. 257; p. 546.
Müller, Friederich, assignor to Pratt & Whitney Company, Hartford, Conn. Lathe. No. 1,252,928; Jan. 8; v. 246; p. 462.
Müller, Friederich, assignor to Pratt & Whitney Company, Hartford, Conn. Magazine mechanism. No. 1,252,929; Jan. 8; v. 246; p. 462.
Muller, Fritz A. (See Michaud, Onesime E., assignor.)
Muller, Fritz A. (See Michaud, Onesime E., assignor.)
Müller, Heinrich J., Schaffhausen, Switzerland. Couch having a divided resting-surface. No. 1,255,208; Feb. 5; v. 247; p. 27.
Müller, Henry, Waterbury, Conn. Emery-cloth holder. No. 1,274,928; Aug. 6; v. 253; p. 167.
Müller, Henry N. (See Martin and Müller.)
Müller, Josef. and F. Kugler, Frauenfeld, Switzerland Matter-holder. No. 1,281,633; Oct. 15; v. 255; p. 474.
Muller, Joseph C., Ferdinand, Ind. Dust-collector. No. 1,288,126; Dec. 17; v. 257; p. 547.
Muller, Julius, Ridgewood, N. Y. Expansible pulley. No. 1,254,261; Jan. 22; v. 246; p. 899.
Müller, Oscar F. Dorchester, assignor to Thorp & Martin Typewriter Co., Boston, Mass. Type-writer platen. No. 1,254,150; Jan. 22; v. 246; p. 869.
Muller-Thym, Bernard, Kansas City, Mo. Sanctuary-lamp. No. 1,269,732; June 18; v. 251; p. 515.
Müller, Wilhelm, New York, N. Y., assignor of one-half to C. H. Senf, Leonia, N. J. Bug-trap. No. 1,261,842; Apr 9; v. 249; p. 274.
Muller, William T. (See Scriver, George, assignor.)
Mullet, Claude, Lyon, France. Arrangement for securing connecting-rods to the single crank of fixed or rotary radial-cylindered engines. No. 1,287,398; Dec. 10; v. 257; p. 335.
Mulligan, John J. (See Thum and Mulligan.)
Mulligan, Paul C., assignor to Internal Combustion Steam Engine Co., Seattle, Wash. Internal-combustion device for use with turbine-engines. No. 1,267,105; May 21; v. 250; p. 678.
Mullin, Alfred D., Regina, Saskatchewan, Canada. Oil-stove. No. 1,283,265; Oct. 29; v. 255; p. 985.
Mullin, Colman J., Locust, N. J., assignor to T. Liston, New York, N. Y. Paper receptacle. No. 1,274,744; Aug. 6; v. 253; p. 115.
Mullin, John R., Rome, N. Y. Combination potato and corn planter. No. 1,288,127; Dec. 17; v. 257; p. 547.
Mullin, Joseph H., assignor of one-half to T. Rilley, New Haven, Conn. Resilient wheel. No. 1,284,749; Nov. 12; v. 256; p. 368.
Mullins, Moses F., Nashville, Tenn. Comb. No. 1,266,704; May 21; v. 250; p. 566.
Mulloy, George B., assignor to Armour and Company, Chicago, Ill. Activated-sludge treatment. No. 1,254,836; Jan. 29; v. 246; p. 1097.
Mulloy, William H., St. Louis, Mo. Gas-stove. No. 1,274,929; Aug. 6; v. 253; p. 167.
Mulrony, Marion A., Rendwick, near Sydney, New South Wales, Australia. Wind-power motor. No. 1,266,518; May 14; v. 250; p. 482.
Multicolor Intaglio Press Company. (See Beach, Edward S., assignor.)
Multicolor Intaglio Press Company. (See Saalburg, Charles W., assignor.)
Multiple Off-Set Machine Company, The. (See Ogden, Ashley, assignor.) (Reissue.)
Multiplex Faucet Company. (See Heymann, Benjamin H. F., assignor.)
Multiplex Sales Register Company. (See Cave, Ulysses G., assignor.)
Multipost Company. (See Landon, Warren C., assignor.)
Multiscope Corporation. (See Stavenhagen, Wilhelm H., assignor.)
Multi-Signal Company, The. (See Waite, Wilbur M., assignor.)
Multikraft Inc. (See Haines and Smith, assignors.)
Multiune Carburetor Company. (See Shaw, Stillman, assignor.)
Mulvaney, Evelyn. (See Mulvaney and Borner, assignors.)
Mulvaney, Seth, and E. L. Borner, assignors to E. Mulvaney, Inglewood, Cal. Motor-controlled switch for headlights of automobiles. No. 1,277,104; Aug. 27; v. 253; p. 859.
Mulvihill, Daniel C., Hannibal, Mo. Automobile-lifting device. No. 1,279,576; Sept. 24; v. 254; p. 686.
Mumford, Edgar H., deceased, Plainfield, N. J.; R. S. Mumford, executrix. Jolt ramming-machine. No. 1,259,658; Mar. 19; v. 248; p. 561.
Mumford, Edgar H., deceased, by R. S. Mumford, executrix, Plainfield, N. J. Molding-machine. (Reissue.) No. 14,536; Oct. 15; v. 255; p. 579.
Mumford, John D., Silver Creek, N. Y. Sign. No. 1,254,837; Jan. 29; v. 246; p. 1098.
Mumford, Rose S., executrix. (See Mumford, Edgar H.)
Mumford, Russell W., New York, N. Y., assignor to Refining Products Corporation, Wilmington, Del. Decolorizing and purifying agent and making the same. No. 1,286,187; Nov. 26; v. 256; p. 808.
Mumford, Russell W., New York, N. Y., assignor to Refining Products Corporation, Wilmington, Del. Making decoloring carbon. No. 1,287,592; Dec. 10; v. 257; p. 381.
Mumford, Russell W., New York, N. Y., assignor to Refining Products Corporation, Wilmington, Del. Making glue and the like. No. 1,289,053; Dec. 24; v. 257; p. 797.
Mumford, Rose S., administratrix. (See Mumford, Edgar H.) (Reissue.)
Mumford, Thomas J., 2d, Plainfield, and H. W. Sinclair, Elizabeth, N. J. Making chains. No. 1,262,613; Apr. 9; v. 249; p. 487.
Mumm, Edward F., Milwaukee, Wis. Duplicating mechanism for type-writers. No. 1,266,038; May 14; v. 250; p. 351.
Mummert, Arden J., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Packing-ring. No. 1,254,720; Jan. 29; v. 246; p. 1062.
Mummert, Arden J., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Spark-plug. No. 1,276,396; Aug. 20; v. 253; p. 631.
Mummert, Ervin S., and J. O. Dixon, Hanover, Pa. Facing-tool. No. 1,265,483; May 7; v. 250; p. 167.
Mummert, Harvey C., Buffalo, N. Y. Airplane. No. 1,274,745; Aug. 6; v. 253; p. 115.
Mummert, Harvey C., Buffalo, N. Y. Internal-combustion engine. No. 1,277,742; Sept. 3; v. 254; p. 114.
Mummery, Edwin G., Detroit, Mich. Vapor-burner. No. 1,273,173; July 23; v. 252; p. 765.
Muncie Wheel Company. (See Mills and McLaughlin, assignors.)
Munday, James G. R., Kingston-upon-Hull, England. Method of and means for annealing steel. No. 1,277,244; Aug. 27; v. 253; p. 895.
Mundell, Charles N., Los Angeles, Cal. Actuating mechanism for nut-crushers. No. 1,269,632; June 18; v. 251; p. 487.
Mundell, Charles N., Los Angeles, Cal. Power-transmitting mechanism. No. 1,271,203; July 2; v. 252; p. 128.
Munden, James H., *et al.* (See Mitchell, Amos, assignor.)
Mundorf, James, Sharon, Pa. Unsiphonable mercury-valve. No. 1,259,122; Mar. 12; v. 248; p. 380.
Mundorf, William C., York, Pa. Antiskid device for vehicle-wheels. No. 1,253,626; Jan. 15; v. 246; p. 698.
Mundt, Charles, Square Butte, Mont. Wire-fence-stretcher support. No. 1,256,355; Feb. 12; v. 247; p. 404.
Municipal Engineering and Contracting Company. (See Filbin, James D., assignor.)
Munn, Leonard C., Stourport, England. Case-hardening compound. No. 1,286,061; Nov. 26; v. 256; p. 777.
Munn, Robert, *et al.* (See Nichoson, Elmer, assignor.)
Munn, Thomas, Sault Ste. Marie, Mich. Hoof-protector attachment for horseshoes. No. 1,280,814; Oct. 8; v. 255; p. 221.
Munn, William, Alameda, Cal. Filling-machine. No. 1,257,012; Feb. 19; v. 247; p. 634.
Munn, William B., assignor of one-half to I. B. Scharff, Memphis, Tenn. Wrapping-machine. No. 1,277,743; Sept. 3; v. 254; p. 115.

Munning, Joseph M. (See Baumeister and Munning.)
Munro, Alfred G., San Antonio, Tex., assignor, by mesne assignments, to Refiners Engineering & Supply Company. Clarifying oil. No. 1,284,750; Nov. 12; v. 256; p. 368.
Munro, Victoria L., Highland Park, Ill. Garter for knickerbockers. No. 1,289,231; Dec. 31; v. 257; p. 866.
Munstermann, William, Antelope, Kans. Stovepipe-anchor. No. 1,285,782; Nov. 26; v. 256; p. 708.
Munter, Charles, New York, N. Y. Abdominal support. No. 1,271,746; July 9; v. 252; p. 312.
Munzner, Charles, Chicago, Ill., assignor to American Stove Company, St. Louis, Mo. Wick-holder. No. 1,254,342; Jan. 22; v. 246; p. 923.
Murai, Ko, San Francisco, Cal. Boiler-keir. No. 1,254,343; Jan. 22; v. 246; p. 923.
Murakami, Kosaku, Tokyo, Japan. Preparation of artificial pearls and jewelry. No. 1,289,873; Dec. 31; v. 257; p. 1025.
Murazen, Frank Y., Dubois, Idaho. Fan attachment for cameras. No. 1,277,461; Sept. 3; v. 254; p. 36.
Murcalvy, George, Princeton, Ill. Farm-gate. No. 1,259,039; Mar. 12; v. 248; p. 356.
Murchek, Paul, Sharon, Pa. Low-pressure gas-alarm and automatic shut-off. No. 1,251,808; Jan. 1; v. 246; p. 110.
Murchey Machine and Tool Company. (See Prance, Albert J., assignor.)
Murchey, David L., Detroit, Mich. Game-counter. No. 1,271,927; July 9; v. 252; p. 361.
Murchison, Miller M., New Decatur, Ala. Cane-stripping apparatus. No. 1,254,926; Jan. 29; v. 246; p. 1124.
Murdick, Harrison H., Richwoods, Mo. Agricultural implement. No. 1,284,131; Nov. 5; v. 256; p. 184.
Murdoch, William. (See Downey and Murdoch.)
Murdock, Frederick L., Meriden, Conn. Artificial denture. No. 1,277,245; Aug. 27; v. 253; p. 895.
Murdock, George J., Newark, N. J. Periscope. No. 1,275,975; Aug. 13; v. 253; p. 482.
Murdock, Harold R., Naugatuck, Conn., assignor to Rubber Regenerating Company. Reclaiming rubber. No. 1,257,292; Feb. 19; v. 247; p. 715.
Muringer, Emil, New York, N. Y. Burglar-alarm. No. 1,265,361; May 7; v. 250; p. 135.
Murnane, Daniel J., Chicago Heights, Ill. Computing-chart for store-front constructions. No. 1,277,634; Sept. 3; v. 254; p. 84.
Murnane, Daniel J., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Angling-machine. No. 1,271,353; July 2; v. 252; p. 168.
Murnane, Daniel J., Glendale, Mo. Metal frame. No. 1,260,938; Mar. 26; v. 248; p. 963.
Murphy, Alfred F., Montreal, Quebec, Canada. Valve. No. 1,271,062; July 2; v. 252; p. 88.
Murphy, Charles W., Logansport, Ind. Indicator for magazines. No. 1,251,910; Jan. 1; v. 246; p. 139.
Murphy, Clinton C., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,274,308; July 30; v. 252; p. 1111.
Murphy, Clinton C., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,277,246; Aug. 27; v. 253; p. 895.
Murphy, Daniel H., Pittsburgh, Pa., assignor to The American Conduit Manufacturing Company. Conduit for electric wires. No. 1,254,344; Jan. 22; v. 246; p. 923.
Murphy, Daniel P. (See Inwood, Richard G., assignor.)
Murphy, Dwight, Pittsburgh, assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,258,928; Mar. 12; v. 248; p. 323.
Murphy, Eduardo, and A. Anzulovich, Buenos Aires, Argentina. Boring-machine. No. 1,283,542; Nov. 5; v. 256; p. 27.
Murphy, Edward E., Winchester, Mass. Carbonating apparatus. No. 1,272,298; July 9; v. 252; p. 467.
Murphy, Edward E., Winchester, Mass. Mixing means for carbonating apparatus. No. 1,272,299; July 9; v. 252; p. 467.
Murphy, Edward P., St. Louis, Mo. Sheet-guide for printing-presses. No. 1,283,266; Oct. 29; v. 255; p. 985.
Murphy, Edwin J. Schenectady, N. Y., assignor to General Electric Company. Control for turret-lathes and the like. No. 1,269,489; June 11; v. 251; p. 416.
Murphy, Francis P., Newport, N. H., assignor to W. H. McElwain Company. Insole. No. 1,268,065; May 28; v. 250; p. 972.
Murphy, Franklin. (See Wilson, John M., assignor.)
Murphy, Georgia B., Jamestown, N. Y. Making paper dolls. No. 1,287,399; Dec. 10; v. 257; p. 335.
Murphy, Harry E. (See Sebring and Murphy.)
Murphy Iron Works. (See Haas, William H., assignor.)
Murphy Iron Works. (See Watson, Henry G., assignor.)
Murphy, James L., Chicago, Ill. Collar. No. 1,286,390; Dec. 3; v. 257; p. 50.
Murphy, James L., Detroit, Mich. Paper bottle. No. 1,257,628; Feb. 26; v. 247; p. 848.
Murphy, John F., and B. A. Ryan, Syracuse, N. Y. Tool-holder for screw-machines. No. 1,274,436; Aug. 6; v. 253; p. 27.
Murphy, John J. (See Allen, Murphy, and Willard.)
Murphy, John J. (See Hayden and Murphy.)
Murphy, John S., Brooklyn, N. Y. Roof-latch. No. 1,270,043; June 18; v. 251; p. 599.
Murphy, Joseph E., Minneapolis, Minn. Automobile-controlling device. No. 1,261,425; Apr. 2; v. 249; p. 123.
Murphy, Lawrence, Williams, Iowa. Self-emptying bucket. No. 1,263,591; Apr. 23; v. 249; p. 811.
Murphy, Michael J., Portland, Oreg. Indicator for vehicles. No. 1,289,232; Dec. 31; v. 257; p. 866.
Murphy, Ollie W., Phillipsburg, Ky. Cheese-cutter cabinet. No. 1,255,550; Feb. 5; v. 247; p. 127.
Murphy, Peter F., Milwaukee, Wis. Wrapping-machine. No. 1,266,705; May 21; v. 250; p. 566.
Murphy, Robert N., Ottawa, Ontario, Canada. Sanitary trap. No. 1,268,379; June 4; v. 251; p. 88.
Murphy, Thomas J., Rochester, N. Y. Starter. No. 1,283,267; Oct. 29; v. 255; p. 985.
Murphy, Thomas J., assignor of one-half to J. P. B. Duffy, Rochester, N. Y. Electric motor. No. 1,262,599; Apr. 9; v. 249; p. 483.
Murphy, Thomas J., assignor of one-half to J. P. B. Duffy, Rochester, N. Y. Alternating-current rectifier. No. 1,268,795; June 4; v. 251; p. 206.
Murphy, Thomas J., assignor of one-half to J. P. B. Duffy, Rochester, N. Y. Sounder. No. 1,271,514; July 2; v. 252; p. 212.
Murphy, Walter P. (See Court, Clarence W., assignor.)
Murphy, Walter P. (See Downing, Ira S., assignor.)
Murphy, Walter P. (See Goodwin, George S., assignor.)
Murphy, Walter P. (See Michaels, Sidney H., assignor.)
Murphy, Walter P. (See Sisson, Vinton E., assignor.) (Reissue.)
Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,258,929; Mar. 12; v. 248; p. 324.
Murphy, Walter P., Chicago, Ill. Sheet-metal end structure for railway-cars. No. 1,263,458; Apr. 23; v. 249; p. 775.
Murphy, Walter P., Chicago, Ill. Sheet-metal car end. No. 1,265,239; May 7; v. 250; p. 101.
Murphy, Walter P., Chicago, Ill. Sheet-metal grain-door. No. 1,266,301; May 14; v. 250; p. 423.
Murphy, Walter P., Chicago, Ill. Car-door. No. 1,271,063; July 2; v. 252; p. 88.
Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,275,976; Aug. 13; v. 253; p. 482.
Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,281,634; Oct. 15; v. 255; p. 474.
Murphy, Walter P., New York, N. Y. Metal end for railway-cars. (Reissue.) No. 14,449; Mar. 26; v. 248; p. 982.
Murphy, Walter P., New York, N. Y. Car end brace. (Reissue.) No. 14,544; Oct. 29; v. 255; p. 1035.
Murphy, Walter P., New York, N. Y., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,259,464; Mar. 12; v. 248; p. 476.
Murphy, Walter P., New York, N. Y., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,286,721; Dec. 3; v. 257; p. 129.
Murphy, William C., Red Lodge, Mont. Safety device for elevators. No. 1,274,746; Aug. 6; v. 253; p. 115.
Murphy, William C., Gold Hill, Utah. Cross-head safety device. No. 1,277,337; Aug. 27; v. 253; p. 919.
Murray, Albert, Birmingham, and G. A. J. Marley, Edgbaston, Birmingham, England. Walking or progressing toy. No. 1,269,490; June 11; v. 251; p. 416.
Murray, Albert L., assignor to The Double Fabric Tire Company, Auburn, Ind. Device for shaping and vulcanizing automobile-tire patches. No. 1,274,073; July 30; v. 252; p. 1046.
Murray, Charles F., Evanston, Ill., assignor to Paul J. Kalman Company, St. Paul, Minn. Reinforcing-bar. No. 1,282,616; Oct. 22; v. 255; p. 781.
Murray Company, The. (See Henry, Nelson B., assignor.)
Murray, Donald, London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Perforating apparatus. No. 1,276,794; Aug. 27; v. 253; p. 776.
Murray, Ethelbert T. R., Radlett, and G. F. Shotter, Streatham, London, England. Electromagnetically-operated device. No. 1,262,233; Apr. 9; v. 249; p. 380.
Murray, Ethelbert T. R., Radlett, and G. F. Shotter, Streatham, London, England. Circuit-breaker. No. 1,262,234; Apr. 9; v. 249; p. 380.
Murray, Frank M., Cadyville, N. Y. Internal-combustion engine. No. 1,256,720; Feb. 19; v. 247; p. 546.
Murray, George C., Chicago, Ill., assignor to Keyoke Railway Equipment Company. Draw-bar and yoke. No. 1,272,078; July 9; v. 252; p. 406.
Murray, George H., Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,255,457; Feb. 5; v. 247; p. 99.
Murray, George M., West Duluth, Minn. Stove-lid and draft means. No. 1,281,635; Oct. 15; v. 255; p. 475.
Murray, Harry. (See Caglieri and Murray.)
Murray, Henry H., Riverton, and W. D. La Rue, Camden, N. J., assignors to Victor Talking Machine Company. Combined driving, governor, speed-regulating, and speed-indicating mechanism for talking-machines. No. 1,256,154; Feb. 12; v. 247; p. 343.

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Murray, Henry H., Riverton, N. J., assignor to Victor Talking Machine Company. Tone-arm mounting for talking-machines. No. 1,285,320; Nov. 19; v. 256; p. 552.
Murray, Howard J., Brooklyn, N. Y. Electric gear-shifting mechanism. No. 1,268,263; June 4; v. 251; p. 54.
Murray, Howard J., Brooklyn, N. Y. Safety controlling device. No. 1,268,264; June 4; v. 251; p. 54.
Murray, Howard J., Brooklyn, N. Y. Reciprocating motor. No. 1,268,265; June 4; v. 251; p. 55.
Murray, Howard J., Brooklyn, N. Y. Gear-shifting device. No. 1,268,266; June 4; v. 251; p. 55.
Murray, Howard J., Brooklyn, N. Y. Automatic electric gear-shift. No. 1,268,267; June 4; v. 251; p. 56.
Murray, Howard J., Brooklyn, N. Y., and W. S. Rugg, Pittsburgh, Pa. Gear-synchronizer. No. 1,268,269; June 4; v. 251; p. 56.
Murray, Howard J., Brooklyn, N. Y. Electric-circuit control. No. 1,288,128; Dec. 17; v. 257; p. 547.
Murray, Howard J., New York, N. Y. Safety controlling device. No. 1,268,268; June 4; v. 251; p. 56.
Murray, James. (See Lightell, Adam, assignor.)
Murray, James J., New York, N. Y. Airplane. No. 1,269,547; June 11; v. 251; p. 430.
Murray, James J., New York, N. Y. Airplane construction. No. 1,270,649; June 25; v. 251; p. 790.
Murray, Jane L. W., Craiglockhart, Scotland. Piece of furniture convertible for use as a bed, couch, bath-chair, or the like. No. 1,271,515; July 2; v. 252; p. 212.
Murray, John, Edinburgh, Scotland. Lining-machine for books. No. 1,263,273; Apr. 16; v. 249; p. 701.
Murray, John, Edinburgh, Scotland. Paper-fastening device. No. 1,279,483; Sept. 17; v. 254; p. 636.
Murray, John A., and C. N. Wilt, Pontiac, Mich., assignor, by mesne assignments, to The Rowe Calk Company, Hartford, Conn. Non-skid device. (Reissue.) No. 14,450; Mar. 26; v. 248; p. 984.
Murray, John G., Chester, Pa. Device for supporting cycles. No. 1,251,684; Jan. 1; v. 246; p. 73.
Murray, Joseph B. (See Murray, Thomas E. and J. B.)
Murray, Joseph B. (See Murray, Thomas E., Jr., and J. B.)
Murray, Joseph B., Brooklyn, N. Y. Electric welding. No. 1,278,193; Sept. 10; v. 254; p. 259.
Murray, Joseph H., Homer, Ga. Forge. No. 1,261,843; Apr. 9; v. 249; p. 274.
Murray, Joseph H., Homer, Ga. Mail-bag-catching apparatus. No. 1,279,408; Sept. 17; v. 254; p. 616.
Murray, Lester B., Kenosha, Wis. Stock-watering tank. No. 1,254,838; Jan. 29; v. 246; p. 1098.
Murray, Michal. (See Fisher, Ira W., assignor.)
Murray, Michael D., Ambridge, Pa. Automatic tire-pump. No. 1,254,526; Jan. 22; v. 246; p. 975.
Murray, Monte A., Reedpoint, Mont. Scraper-dumper. No. 1,276,559; Aug. 20; v. 253; p. 675.
Murray, Peter F., Philadelphia, Pa., assignor to The National Automatic Tool Company, Richmond, Ind. Automatic feed-starter for drill-presses. No. 1,262,235; Apr. 9; v. 249; p. 380.
Murray, Ray C., Marquette, Mich. Valve-assembly remover. No. 1,253,867; Jan. 15; v. 246; p. 768.
Murray, Rose D., Seattle, Wash. Cover for ironing-boards. No. 1,287,597; Dec. 10; v. 257; p. 383.
Murray, Thomas E. (See Woodrow, Harry R., assignor.)
Murray, Thomas E., New York, N. Y. Electric fuse. No. 1,252,141; Jan. 1; v. 246; p. 205.
Murray, Thomas E., New York, N. Y. Electrical welding. No. 1,252,142; Jan. 1; v. 246; p. 205.
Murray, Thomas E., New York, N. Y. Localizing and eliminating imperfections in electrically-welded joints. No. 1,252,290; Jan. 1; v. 246; p. 246.
Murray, Thomas E., New York, N. Y. Electric fuse-plug. No. 1,259,268; Mar. 12; v. 248; p. 419.
Murray, Thomas E., New York, N. Y. Vehicle-hub. No. 1,259,269; Mar. 12; v. 248; p. 419.
Murray, Thomas E., New York, N. Y. Electric welding-machine. No. 1,259,274; Mar. 12; v. 248; p. 420.
Murray, Thomas E., New York, N. Y. Electrical molding. No. 1,259,275; Mar. 12; v. 248; p. 420.
Murray, Thomas E., New York, N. Y. Sheet-metal sleeve. No. 1,267,250; May 21; v. 250; p. 718.
Murray, Thomas E., New York, N. Y. Making metal rings. No. 1,267,251; May 21; v. 250; p. 718.
Murray, Thomas E., New York, N. Y. Housing for universal joints. No. 1,267,252; May 21; v. 250; p. 719.
Murray, Thomas E., New York, N. Y. Engine-cylinder. No. 1,267,253; May 21; v. 250; p. 719.
Murray, Thomas E., New York, N. Y. Apparatus for making metal chains. No. 1,267,255; May 21; v. 250; p. 719.
Murray, Thomas E., New York, N. Y. Method of and apparatus for electric welding. No. 1,267,256; May 21; v. 250; p. 720.
Murray, Thomas E., New York, N. Y. Tubular cartridge-shell. No. 1,267,257; May 21; v. 250; p. 720.
Murray, Thomas E., New York, N. Y. Electrical welding apparatus for pipe-couplings. No. 1,267,258; May 21; v. 250; p. 720.
Murray, Thomas E., New York, N. Y. Engine-housing. No. 1,270,044; June 18; v. 251; p. 599.
Murray, Thomas E., New York, N. Y. Welding the butt end of a tube to a plate of thin metal having an opening. No. 1,270,045; June 18; v. 251; p. 599.
Murray, Thomas E., New York, N. Y. Adapter device for pipes and boxes. No. 1,270,046; June 18; v. 251; p. 600.
Murray, Thomas E., New York, N. Y. Vehicle-wheel. No. 1,270,047; June 18; v. 251; p. 600.
Murray, Thomas E., New York, N. Y. Electric fuse-plug. No. 1,270,048; June 18; v. 251; p. 600.
Murray, Thomas E., New York, N. Y. Valve. No. 1,270,049; June 18; v. 251; p. 600.
Murray, Thomas E., New York, N. Y. Valve. No. 1,270,050; June 18; v. 251; p. 601.
Murray, Thomas E., New York, N. Y. Crude-oil still. No. 1,273,523; July 23; v. 252; p. 857.
Murray, Thomas E., New York, N. Y. Coupling for flanged tubes or pipes. No. 1,273,524; July 23; v. 252; p. 857.
Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,274,930; Aug. 6; v. 253; p. 167.
Murray, Thomas E., New York, N. Y. Making electric fuses. No. 1,286,063; Nov. 26; v. 256; p. 777.
Murray, Thomas E., New York, N. Y. Apparatus for truing and removing the bur from electrically-welded work. No. 1,286,064; Nov. 26; v. 256; p. 777.
Murray, Thomas E., New York, N. Y. Device for attaching the ends of wire wheel-spokes to metal rims. No. 1,286,065; Nov. 26; v. 256; p. 778.
Murray, Thomas E. and J. B., New York, N. Y. Method of and apparatus for electric welding. No. 1,267,259; May 21; v. 250; p. 720.
Murray, Thomas E., and H. R. Woodrow, New York, N. Y.; said Woodrow assignor to said Murray. Electric welding-machine. No. 1,252,143; Jan. 1; v. 246; p. 206.
Murray, Thomas E., and H. R. Woodrow, New York, N. Y.; said Woodrow assignor to said Murray. Electric welding-machine for making metal rings. No. 1,267,254; May 21; v. 250; p. 719.
Murray, Thomas E., Jr., Brooklyn, N. Y. Apparatus for electrical welding. No. 1,252,145; Jan. 1; v. 246; p. 206.
Murray, Thomas E., Jr., Brooklyn, N. Y. Method of and apparatus for electrically welding plates or bars together. No. 1,252,146; Jan. 1; v. 246; p. 206.
Murray, Thomas E., Jr., Brooklyn, N. Y. Electrically making openings of desired configuration in metal plates. No. 1,252,147; Jan. 1; v. 246; p. 207.
Murray, Thomas E., Jr., Brooklyn, N. Y. Method of and apparatus for electrically dividing metal plates. No. 1,252,148; Jan. 1; v. 246; p. 207.
Murray, Thomas E., Jr., Brooklyn, N. Y. Producing integral projections on metal plates. No. 1,252,289; Jan. 1; v. 246; p. 246.
Murray, Thomas E., Jr., Brooklyn, N. Y. Making welded metal rings. No. 1,259,270; Mar. 12; v. 248; p. 419.
Murray, Thomas E., Jr., Brooklyn, N. Y. Electric welding. No. 1,259,271; Mar. 12; v. 248; p. 420.
Murray, Thomas E., Jr., Brooklyn, N. Y. Method of and apparatus for electrical welding. No. 1,259,272; Mar. 12; v. 248; p. 420.
Murray, Thomas E., Jr., Brooklyn, N. Y. Electrical butt-welding. No. 1,259,273; Mar. 12; v. 248; p. 420.
Murray, Thomas E., Jr., Brooklyn, N. Y. Electric welding. No. 1,281,636; Oct. 15; v. 255; p. 475.
Murray, Thomas E., Jr., Brooklyn, N. Y. Electric welding. No. 1,281,637; Oct. 15; v. 255; p. 475.
Murray, Thomas E., Jr., and J. B., Brooklyn, N. Y. Process of and apparatus for welding metal bodies and for annealing said bodies at the welded joint. No. 1,252,144; Jan. 1; v. 246; p. 206.
Murray, Thomas E., Jr., and J. B., Brooklyn, N. Y. Hand-grenade shell and making the same. No. 1,273,525; July 23; v. 252; p. 858.
Murray, Thomas E., Jr., and J. B., Brooklyn, N. Y. Attaching fuse-tubes to hand-grenades of thin metal. No. 1,286,062; Nov. 26; v. 256; p. 777.
Murray, Timothy J., White Plains, N. Y. Die. No. 1,279,409; Sept. 17; v. 254; p. 616.
Murray, William, and E. C. Banta, Jr., Brooklyn, N. Y. Time-recorder for trucks. No. 1,256,586; Feb. 19; v. 247; p. 507.
Murray, William A., Baltimore, Md. Lock. No. 1,256,721; Feb. 19; v. 247; p. 546.
Murray, William A., and C. E. Putnam, Chisholm, Me. Fourdrinier machine. No. 1,280,524; Oct. 1; v. 255; p. 114.
Murray, William B., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Train-control system and apparatus. No. 1,254,839; Jan. 29; v. 246; p. 1098.
Murray, William B., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Train-stopping means. No. 1,263,592; Apr. 23; v. 249; p. 811.
Murray, William B., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Pressure-operated and electrically-controlled train-control system. No. 1,265,943; May 14; v. 250; p. 325.
Murray, Wylie E., St. Louis, Mo. Cigarette-holder. No. 1,269,491; June 11; v. 251; p. 416.

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Murrell, Clifford H., assignor to Murrell Fastener Company, Roanoke, Va. Securing device. No. 1,264,677; Apr. 30; v. 249; p. 1144.
Murrell Fastener Company. (See Murrell, Clifford H., assignor.)
Murrey, Ed., Lincoln, Nebr. Clam-shell bucket. No. 1,279,744; Sept. 24; v. 254; p. 734.
Murry, James W., Moundsville, W. Va. Transmission-gearing. No. 1,288,129; Dec. 17; v. 257; p. 547.
Murvine, Joseph D., Akron, Ohio. Stair-gage. No. 1,261,596; Apr. 2; v. 249; p. 171.
Muse, Claude, St. Louis, Mo. Detachable adjustable slipper-strap. No. 1,252,149; Jan. 1; v. 246; p. 207.
Muse, John B., Cameron, N. C. Heating and drying apparatus. No. 1,273,396; July 23; v. 252; p. 823.
Muse, John B., Cameron, N. C. Tobacco-drying system and apparatus. No. 1,273,395; July 23; v. 252; p. 823.
Musgrove, C. J., *et al.* (See Speasl, George A., assignor.)
Musket, Peter P. (See Fischer and Musket.)
Muskett, Jabez, Manchester, assignor to F. Reddaway and Company Limited, Pendleton, Manchester, England. Rubber-covered roller. No. 1,277,995; Sept. 3; v. 254; p. 181.
Musselman, Robert, Gallatin, Mo. Resilient wheel. No. 1,289,517; Dec. 31; v. 257; p. 937.
Musser, George R., Kingman, Ariz. Egg-beater guard. No. 1,275,587; Aug. 13; v. 253; p. 373.
Musser, Harry A., Lexington, Ky. Heater. No. 1,280,071; Sept. 24; v. 254; p. 826.
Mussey, William H., Hollis, N. Y. Trap-door-operating mechanism. No. 1,269,557; June 11; v. 251; p. 433.
Mussino, Michel, Nice, France, assignor to F. D. Reilly, Montclair, N. J. Treating milk. No. 1,284,751; Nov. 12; v. 256; p. 369.
Muther, Lorenz. (See Lautenschlager, William F., assignor.)
Mutro, Michael, Chester, Pa. Projectile for field-guns. No. 1,272,984; July 16; v. 252; p. 688.
Mutu, Nicolae O., Indiana Harbor, Ind. Extinguishing device. No. 1,289,874; Dec. 31; v. 257; p. 1025.
Muzik, John, assignor of one-third to J. Suchanek and one-third to A. Andracek, Eureka, Cal. Auto-tire. No. 1,252,830; Jan. 8; v. 246; p. 434.
Muzzy, John, Warba, Minn. Sleigh-pole attachment. No. 1,269,633; June 18; v. 251; p. 487.
Muzzy, Viola D., Spartansburg, Pa. Fly-escape. No. 1,264,117; Apr. 23; v. 249; p. 953.
Myers, Albert M., Harrisburg, Pa. Pneumatic tire. No. 1,268,043; May 28; v. 250; p. 966.
Myers, Albert W., and R. R. Fitz Gerald, assignors to A. W. Myers, Ottawa, Ontario, Canada. Aerial machine. No. 1,258,356; Mar. 5; v. 248; p. 117.
Myers and Brother, F. E. (See Myers, Philip A., assignor.)
Myers, Charles E., assignor of one-half to J. Weilacher and one-half to T. J. Lavin, W. A. Rheinheimer, and G. Bauer, St. Louis, Mo. Forming stitches. No. 1,252,150; Jan. 1; v. 246; p. 207.
Myers, Chester H., Toronto, Ontario, Canada. Vertical file. No. 1,259,659; Mar. 19; v. 248; p. 561.
Myers, Dorse D., *et al.* (See Kelley, Benjamin F., assignor.)
Myers, Daniel E., Longview, Tex. Child's bed. No. 1,267,260; May 21; v. 250; p. 720.
Myers, Daniel M., assignor of one-half to A. W. Phillips, Jefferson, Iowa. Force air-pump. No. 1,265,240; May 7; v. 250; p. 102.
Myers, Edgar W., assignor to Master Roll Music Duplicating Co., San Jose, Cal. Music-roll-perforating machine. No. 1,256,722; Feb. 19; v. 247; p. 546.
Myers, Edgar W., Los Gatos, assignor to Masteroll Perforating Machine Company, San Francisco, Cal. Apparatus for synchronizing music and motion-pictures. No. 1,261,272; Apr. 2; v. 249; p. 79.
Myers, Edgar W., San Jose, Cal., assignor to Filmusic Company. Machine for making music-rolls. No. 1,259,040; Mar. 12; v. 248; p. 357.
Myers, Edgar W., San Jose, Cal., assignor to Filmusic Company. Machine for perforating sheet material. No. 1,275,977; Aug. 13; v. 253; p. 482.
Myers, Eliza V., Buckeye, Wash. Needle-threading device. No. 1,261,271; Apr. 2; v. 249; p. 79.
Myers, Elmer E., and J. C. Angstead, Waterville, Wash. Painter's bucket and brush retainer. No. 1,259,896; Mar. 19; v. 248; p. 632.
Myers, Ernest C. (See Schauer and Myers.)
Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Stopper for water-bottles or the like. No. 1,274,437; Aug. 6; v. 253; p. 27.
Myers, Frank S., *et al.* (See Jacobsen, Jacob, assignor.)
Myers, Harold L., Morristown, N. J. Paper-box. No. 1,277,459; Sept. 3; v. 254; p. 35.
Myers, Harold L., Morristown, N. J. Display paper box. No. 1,289,518; Dec. 31; v. 257; p. 937.
Myers Manufacturing Co. (See Lackey, William S., assignor.)
Myers, Ford, Mishawaka, Ind. Clamping device. No. 1,276,560; Aug. 20; v. 253; p. 675.
Myers, Frederick H., Barberton, Ohio. Cultivator. No. 1,275,588; Aug. 13; v. 253; p. 373.
Myers, Grace F. (See Funk, Charles M., assignor.)
Myers, George P., assignor to Myers Machine Co., Sheboygan, Wis. Elevating mechanism for truck-bodies. No. 1,272,840; July 16; v. 252; p. 647.
Myers, Hubert A., Toledo, Ohio. Tumbling toy. No. 1,254,428; Jan. 22; v. 246; p. 947.
Myers, Hubert A., assignor to Toledo Scale Company, Toledo, Ohio. Automatic weighing-scale. No. 1,267,580; May 28; v. 250; p. 836.
Myers, Hubert A., Toledo, Ohio. Spark-plug. No. 1,268,380; June 4; v. 251; p. 89.
Myers, Hubert A., Toledo, Ohio, assignor to Toledo Scale Company, Jersey City, N. J. Computing-scale. No. 1,280,815; Oct. 8; v. 255; p. 221.
Myers, Isaac N., Glendale, Cal. Friction transmission-gear. No. 1,270,651; June 25; v. 251; p. 791.
Myers, John A., Cleveland, Ohio. Bicycle or tricycle. No. 1,258,431; Mar. 5; v. 248; p. 141.
Myers, John E. (See Leonard and Myers.)
Myers, Joseph C., Colonie, N. Y. Window-sash. No. 1,258,432; Mar. 5; v. 248; p. 141.
Myers, Joseph C., West Albany, N. Y. Operating-handle for brake-wheels. No. 1,276,680; Aug. 20; v. 253; p. 708.
Myers, Laura M., Chicago, Ill. Holding-pin. No. 1,264,325; Apr. 30; v. 249; p. 1044.
Myers, Lewis C., Brooklyn, assignor to Royal Typewriter Company, New York, N. Y. Paper table and gage. No. 1,282,454; Oct. 22; v. 255; p. 737.
Myers, Louis, Detroit, Mich., assignor to Machine Appliance Corporation, Brooklyn, N. Y. Eyeleting-machine. No. 1,264,963; May 7; v. 250; p. 25.
Myers, Louis, assignor to Crystal Alloys Corporation, Detroit, Mich. Comb. No. 1,265,362; May 7; v. 250; p. 135.
Myers, Louis, Detroit, Mich., assignor to Machine Appliance Corporation, Brooklyn, N. Y. Fastener-feeding mechanism. No. 1,255,551; Feb. 5; v. 247; p. 127.
Myers Machine Co. (See Myers, George P., assignor.)
Myers, Martin R., Grand Rapids, Mich. Horseshoe-calk. No. 1,262,970; Apr. 16; v. 249; p. 616.
Myers, Melvin A., Kane, Pa., assignor of three two-hundredths to H. W. Short, one two-hundredth to Chas. W. Nelson, two two-hundredths to F. W. Spencer, five two-hundredths to Archie Short, three two-hundredths to Meade Robinson, three two-hundredths to C. G. Dahlen, three two-hundredths to Lyle F. Robinson, two two-hundredths to W. P. Zink, three two-hundredths to Harold Spencer, two two-hundredths to William H. Spence, three two-hundredths to F. J. Robinson, two two-hundredths to Norman Patrick, two two-hundredths to E. R. Collinge, three two-hundredths to Carl Johnson, three two-hundredths to William Faul, six two-hundredths to John H. Scott, one two-hundredth to G. G. Fitzgerald, two two-hundredths to L. Dunn, one two-hundredth to Laurence Ohlson, two two-hundredths to G. D. Leake, five two-hundredths to C. R. Carnahan, one two-hundredth to Byron Foulkrod, one two-hundredth to Ernest Emmons, one two-hundredth to Porter Smith, two two-hundredths to C. K. Dunn, one two-hundredth to A. Baker, two two-hundredths to Robert Hennell, one two-hundredth to Axel E. Anderson, one two-hundredth to W. W. Paup, one two-hundredth to T. M. McElree, three two-hundredths to Leon Torpy, two two-hundredths to Mrs. Dora Robinson, two two-hundredths to Miss Ruth Robinson, one two-hundredth to Mrs. Stella Kelsey, one two-hundredth to Adelbert Sykes, one two-hundredth to H. Danks, one two-hundredth to Lloyd Sanford, one two-hundredth to John A. Johnson, two two-hundredths to Tom Faul, one two-hundredth to William Burton, one two-hundredth to William Noel, one two-hundredth to F. H. Micheau, two two-hundredths to William Simpkins, two two-hundredths to Norman Simpkins, one two-hundredth to Henry Bearkle, one two-hundredth to Joe Micheau, two two-hundredths to George Hart, one two-hundredth to John Block, one two-hundredth to C. A. Dunn, two two-hundredths to J. J. Kuhns, one two-hundredth to E. Eckborg, and one two-hundredth to Bessie L. Short. Resilient wheel. No. 1,272,300; July 9; v. 252; p. 468.
Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Pump-stand. No. 1,263,459; Apr. 23; v. 249; p. 775.
Myers, Samuel J., assignor to Mercer Manufacturing Company, Mercer, Pa. Tie. No. 1,258,433; Mar. 5; v. 248; p. 141.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Ornamental-stitch sewing-machine. No. 1,267,581; May 28; v. 250; p. 837.
Myers, William M., St. Joseph Mo. Pressure-regulator for pneumatic tires. No. 1,273,905; July 30; v. 252; p. 999.
Mygatt, Otis A., New York, N. Y., assignor to Holophane Glass Company. Illuminating appliance. No. 1,282,617; Oct. 22; v. 255; p. 781.
Mylin, Amos H. (See White, Lewis B., assignor.)
Mylius, Walter G. (See Bradshaw and Mylius.)
Mynders, Nicholas. (See Harris and Mynders.)
Myrick, George H., assignor to Capital Electric Company, Chicago, Ill. Washing-machine. No. 1,286,722; Dec. 3; v. 257; p. 129.

Alphabetical list of patentees—Continued.

Myrick, Paul S., Tampa, Fla. Flat-iron heater. No. 1,265,241; May 7; v. 250; p. 102.
Myskow, Theodore, Detroit, Mich. Wire basket for boilers. No. 1,251,560; Jan. 1; v. 246; p. 34.
Mystic Ball Company. (See McFaul, Alexander D., assignor.)
N. K. Fairbank Company. (See Lang, Arthur C., assignor.)
Naamlooze, Vennootschap Philips Metaal-Gloei-Lampentfabriek. (See Filippo and Schoonenberg, assignors.)
Naamlooze Vennootschap Hollandsche Proteine Maatschappij. (See Wennagel, Theodor S., assignor.)
Naamlooze Vennootschap Waddinxveensche Kurkwarenfabriek voorheen L. Vermeulen & Co. (See Rupke, Jan, assignor.)
Naamlooze Vennootschap "Werf Conrad." (See De Bijll Nachenius, Henri A. J., assignor.)
Naamlooze Vennootschap "Werf" "Conrad." (See Bijll Nachenius, Henri A. J., assignor.)
Naber, Moses H., Chicago, Ill. Shock-absorber. No. 1,269,301; June 11; v. 251; p. 365.
Nace, Levi W., and E. J. Fink, Hanover, Pa. Miter-box. No. 1,257,099; Feb. 19; v. 247; p. 657.
Nachman, Fred A., Chicago, Ill. Cushion construction. No. 1,253,272; Jan. 15; v. 246; p. 594.
Nachod, Carl P., Louisville, Ky., assignor to Nachod Signal Company, Inc. Switching mechanism. No. 1,255,552; Feb. 5; v. 247; p. 128.
Nachod Signal Company. (See Nachod, Carl P., assignor.)
Nacker, Owen M., assignor of one-half to A. P. Brush, Detroit, Mich. Valve-operating mechanism. No. 1,254,840; Jan. 29; v. 246; p. 1099.
Nacker, Owen M., assignor of one-half to A. P. Brush, Detroit, Mich. Valve-operating mechanism. No. 1,265,103; May 7; v. 250; p. 66.
Nacker, Owen M., assignor of one-half to A. P. Brush, Detroit, Mich. Piston for internal-combustion engines. No. 1,283,865; Nov. 5; v. 256; p. 113.
Nadolney, William A., Nanticoke, Pa. Auger. No. 1,281,813; Oct. 15; v. 255; p. 523.
Nadolski, Andrew, Erie, Pa. Boot. No. 1,282,915; Oct. 29; v. 255; p. 891.
Naegeli, Fred E., Burton, Tex. Collar. No. 1,256,922; Feb. 19; v. 247; p. 606.
Nafe, Robert E., Preston, Ontario, Canada. Combination pen and pencil holder. No. 1,277,247; Aug. 27; v. 253; p. 896.
Nafis, Louis F. and M. S., Evanston, Ill. Color-comparing rod. No. 1,275,723; Aug. 13; v. 253; p. 412.
Nafis, Louis T. (See Smith, Jerome T., assignor.)
Nafis, Mabel S. (See Nafis, Louis F. and M. S.)
Nagel, Ferdinand C. (See Fry and Nagel.)
Nagel, George W., assignor of one-third to W. L. Newman, Jr., and one-third to C. F. Bliss, Chicago, Ill. Removing oils, fats, and grease from cloths, and apparatus. No. 1,256,356; Feb. 12; v. 247; p. 404.
Nagel, Gustav J., assignor to Garrett H. Smith, Inc., New York, N. Y. Cigar-band. No. 1,254,151; Jan. 22; v. 246; p. 869.
Nagel, Herman J., Alliance, Ohio. Boat. No. 1,256,246; Feb. 12; v. 247; p. 371.
Nagel, Theodore, Arlington, Md. Change-speed gear. No. 1,268,140; June 4; v. 251; p. 20.
Nagel, Theodore, Chicago, Ill. Lamp. No. 1,270,858; July 2, v. 252; p. 30.
Nagell, Elias P., Minneapolis, Minn. Folding cabinet. No. 1,283,543; Nov. 5; v. 256; p. 28.
Nagelman, Clemens B., Carneyville, Wyo. Sphygmomanometer. No. 1,288,130; Dec. 17; v. 257; p. 548.
Nagelmann, Clemens B., Carneyville, Wyo. Power plant. No. 1,269,492; June 11; v. 251; p. 416.
Nagle, Peter J., Rochester, N. Y. Composite board. No. 1,283,421; Oct. 29; v. 255; p. 1026.
Nagle, Peter J., assignor to Cedaroid Co., Rochester, N. Y. Compound for flavoring and coloring tobacco-receptacles. No. 1,283,420; Oct. 29; v. 255; p. 1026.
Nagle, Peter J., assignor to Cedaroid Co., Rochester, N. Y. Paper or paper-board. No. 1,283,422; Oct. 29; v. 255; p. 1027.
Nagle, Peter J., assignor to Cedaroid Co., Inc., Rochester, N. Y. Box. No. 1,288,131; Dec. 17; v. 257; p. 548.
Nagle, Peter J., assignor to cedaroid Co., Inc., Rochester, N. Y. Cardboard receptacle and forming the same. No. 1,288,132; Dec. 17; v. 257; p. 548.
Nagy, József, Dayton, Ohio. Motorman's seat. No. 1,271,747; July 9; v. 252; p. 312.
Nahas, Kamil J., Detroit, Mich. Demountable-rim lock. No. 1,275,075; Aug. 6; v. 253; p. 208.
Nahman, Gustave, Zurich, Switzerland. Floating structure for the sea and fluvial transport of goods. No. 1,289,875; Dec. 31; v. 257; p. 1025.
Naillik Motor Signal Co. (See Ogden, Joseph P., assignor.)
Nair, Frank M. (See Haas and Nair.)
Naish, Albert E., Oakland, Cal. Adjustable crank-shaft bearing. No. 1,289,876; Dec. 31; v. 257; p. 1025.
Najalyk, Nykola, Myrnam, Alberta, Canada. Railway-joint. No. 1,278,986; Sept. 17; v. 254; p. 504.
Nakahara, Ichigoro, Tokyo, Japan. Dental articulator. No. 1,272,985; July 16; v. 252; p. 688.
Nakamigawa, Tetsushiro, New York, N. Y. Fly-trap. No. 1,252,151; Jan. 1; v. 246; p. 207.
Nakamizo, Hirotsune, Los Angeles, Cal. Automobile-top raising and lowering device. No. 1,279,410; Sept. 17; v. 254; p. 616.
Nakashima, George K., Stockton, Cal. Sanitary toilet-seat covering. No. 1,253,512; Jan. 15; v. 246; p. 666.
Nakazawa, Edna M., New York, N. Y. Bed. No. 1,266,039; May 14; v. 250; p. 351.
Naldrett, Albert E. (See Fear, Naldrett, and Nicodemus.)
Nall, Charles P., Minneapolis, Minn., assignor to Nall Separator and Elevator Company. Grain elevator and cleaner. No. 1,285,783; Nov. 26; v. 256; p. 708.
Nall, Edward, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Cutting or trimming machine. No. 1,273,526; July 23; v. 252; p. 858.
Nall, Edward, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Machine for the manufacture of inner tubes. No. 1,285,321; Nov. 19; v. 256; p. 552.
Nall, Edward, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Abrading-machine. No. 1,285,784; Nov. 26; v. 256; p. 708.
Nall Separator and Elevator Company. (See Nall, Charles P., assignor.)
Nall, William A., Lenox, assignor to forty-five one-hundredths to J. C. Long, Repton, Ala. Implement for destroying insects. No. 1,282,277; Oct. 22; v. 255; p. 689.
Nance, James W., Filer, Idaho., assignor to Franklin Gas Turbine Company, Phoenix, Ariz. Rotary-valve gas-engine. No. 1,267,787; May 28; v. 250; p. 894.
Nanfeldt, Fred W. (See Bailey and Nanfeldt.)
Nanni, Menotti, Chicago, Ill., assignor to Ocean Floating Safe Company, Pierre, S. D. Amusement device. No. 1,262,377; Apr. 9; v. 249; p. 420.
Nanni, Menotti, Chicago, Ill. Safe. No. 1,283,866; Nov. 5; v. 256; p. 113.
Nap, Meinderd S., Holland, Mich. Molding-machine. No. 1,273,649; July 23; v. 252; p. 892.
Napier, Charles, assignor to Napier Saw Works, Incorporated, Springfield, Mass. Process of and apparatus for heat treatment of metal objects. No. 1,265,944; May 14; v. 250; p. 326.
Napier Saw Works. (See Napier, Charles, assignor.)
Napoli, Eugene, New York, N. Y. Cap for containers. No. 1,269,953; June 18; v. 251; p. 575.
Naramor, Cary W., Mecosta, Mich. Bean-polisher. No.
Narmore, Missouri A., Fort Worth, Tex. Buttonless neck-band. No. 1,267,261; May 21; v. 250; p. 721.
Narmore, Missouri A., Fort Worth, Tex. Collar. No. 1,288,133; Dec. 17; v. 257; p. 548.
Naron, Emily A., Warren, Ark. Currycomb. No. 1,253,414; Jan. 15; v. 246; p. 639.
Narveson, Bernard A., assignor of one-half to O. T. Anderson, Grand Rapids, Minn. Spark-plug tester. No. 1,264,872; Apr. 30; v. 249; p. 1195.
Naschek, Samuel, New York, N. Y. Cigarette-holder. No. 1,280,277; Oct. 1; v. 255; p. 45.
Nash, Alexander Q., Kansas City, Mo. Oil-burner-regulating valve. No. 1,281,056; Oct. 8; v. 255; p. 285. 1,285,322; Nov. 19; v. 256; p. 552.
Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft-arm. No. 1,268,991; June 11; v. 251; p. 278.
Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Underframing for cars. No. 1,274,747; Aug. 6; v. 253; p. 115.
Nash, David H., Church Road, Va. Air-mixer for gasolene engines. No. 1,265,484; May 7; v. 250; p. 168.
Nash, John, Dryden, Oreg. Adjustable triangle and gear-tooth plotter. No. 1,251,809; Jan. 1; v. 246; p. 111.
Nash, Minnie M. (See Nash, Neal T., assignor.)
Nash, Neal T., assignor to M. M. Nash, Hinton, Iowa. Compressed-air auto-starter. No. 1,264,118; Apr. 23; v. 249; p. 953
Nashua Machine Company. (See Littlefield, Frank A., assignor.)
Nashua Machine Company. (See Sabin, John, assignor.)
Nasmith, John W., Stockport, England. Wire-stitching machine. No. 1,267,892; May 28; v. 250; p. 925.
Nasser, Albert A., Boyden, Iowa. Hog-oiler. No. 1,256,357; Feb. 12; v. 247; p. 404.
Nast, Thomas, Mamaroneck, N. Y. Collar-button. No. 1,268,044; May 28; v. 250; p. 966.
Natalis, Octave C., Charleston, W. Va. Strength-regulator for tankdrawn machine window-glass. No. 1,251,561; Jan. 1; v. 246; p. 35.
Nathan-Institut A. G., The. (See Monfang, Eduard, assignor.)
Nathan, Frederic L., W. Rintoul, Stevenston, Scotland, F. Baker, deceased, (H. Baker, Eton, Windsor, England, administrator,) assignors to Nobel's Explosives Company, Limited, Glasgow, Scotland. Gelatinized propellant-explosive and preparing same. No. 1,280,278; Oct. 1; v. 255; p. 46.
Nathan, Frederic L., W. Rintoul, Stevenston, Scotland, and F. Baker, deceased, (H. Baker, administrator, Eton, Windsor, England,) assignors to Nobel's Explosives Company Limited, Glasgow, Scotland. Gelatinized propellant-explosive and preparing same. No. 1,280,279; Oct. 1; v. 255; p. 46.
Nathan, Jacob H. (See Figgins, Archibald, assignor.)

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Nathan, Leopold, Zurich, Switzerland. Apparatus for cleaning carbonic acid. No. 1,268,872; June 11; v. 251; p. 245.
Nathan, Leopold, Zurich, Switzerland. Brewing beer. No. 1,280,280; Oct. 1; v. 255; p. 46.
Nathan, Max, Ridgefield Park, N. J. Display device. No. 1,255,553; Feb. 5; v. 247; p. 128.
Nathan, Paul, assignor to Wood, Nathan & Virkus Company, New York, N. Y. Machine for embossing without dies. No. 1,276,253; Aug. 20; v. 253; p. 590.
Nathusius, Hans, Friedenshütte, Kreis Bethuen, Germany. Electrical furnace. No. 1,265,485; May 7; v. 250; p. 168.
Nathusius, Hans, Friedenshütte, Kreis Beuthen, Germany. Electric furnace. No. 1,265,945; May 14; v. 250; p. 326.
Nathusius, Hans, Friedenshütte, Kreis Beuthen, Germany. Electrode for use in electric furnaces and for other purposes. No. 1,268,483; June 4; v. 251; p. 118.
National-Acme Company, The. (See Smith, Oscar A., assignor.)
National Art Novelty Company. (See Kaplan, Ezra, assignor.)
National Adjustable Bed and Spring Company. (See Curtis, William J., assignor.)
National Automatic Refrigerator Company. (See Keyes, Frederick G., assignor.)
National Automatic Tool Company, The. (See Murray, Peter F., assignor.)
National Binding Machine Company, The. (See Flora, Ellsworth E., assignor.)
National Binding Machine Company. (See Anable, Frederick, S., assignor.)
National Binding Machine Company. (See Kaufman, Frank J., assignor.)
National Binding Machine Company. (See Mortimer, Charles G., assignor.)
National Binding Machine Company. (See Foote, Theodore M., assignor.)
National Biscuit Company. (See Hungerford, Henry H., assignor.)
National Biscuit Company. (See Lowell, Walter E., assignor.)
National Biscuit Company. (See Miracky, Barney J., assignor.)
National Biscuit Company. (See Sundheim and Ferrall, assignors.)
National Blank Book Company. (See Schade, John, assignor.)
National Brake & Electric Company. (See Aikman, Burton S., assignor.)
National Brass Manufacturing Company. (See Wray, Charles F., assignor.)
National Car Equipment Company. (See Carscadin, Charles A., assignor.)
National Carbon Co. (See Benner, Raymond C., assignor.)
National Carbon Company. (See Bell, Arthur M., assignor.)
National Carbon Company. (See Bemis, Arthur S., assignor.)
National Carbon Company. (See Benedict, Bernard, assignor.)
National Carbon Company. (See Benner and French, assignors.)
National Carbon Company. (See Burns, Deane, assignor.)
National Carbon Company. (See Cassella, Secondo L., assignor.)
National Carbon Company. (See Chaney, Newcomb K., assignor.)
National Carbon Company. (See Chase, Wallace, S., assignor.)
National Carbon Company. (See Christiansen, Christian A., assignor.)
National Carbon Company. (See Ellis, Carleton, assignor.)
National Carbon Company. (See Ellis and Wells, assignors.)
National Carbon Company. (See Erwin, Raymond W., assignor.)
National Carbon Company. (See French and Benner, assignors.)
National Carbon Company. (See French, Harry F., assignor.)
National Carbon Company. (See Gillette, John C., assignor.)
National Carbon Company. (See Grothe, Walter, assignor.)
National Carbon Company. (See Hambuechen, Carl, assignor.)
National Carbon Company. (See Hazelett, Clarence W., assignor.)
National Carbon Company. (See Holmes, Major E., assignor.)
National Carbon Company. (See Loveman, William R., assignor.)
National Carbon Company. (See Marshall, Edward L., assignor.)
National Carbon Company, (See Miller, Arthur R., assignor.)
National Carbon Company. (See Monto, Charles P., assignor.)
National Carbon Company. (See Moore, William C., assignor.)
National Carbon Company. (See Mott, William R., assignor.)
National Carbon Company. (See Nungesser, Philip P., assignor.)
National Carbon Company. (See Perris, Ben, assignor.)
National Carbon Company. (See Rhoades, Lloyd R., assignor.)
National Carbon Company. (See Richmond, Charles T., assignor.)
National Carbon Company. (See Sangers, John H., assignor.)
National Carbon Company. (See Shaw, William, assignor.)
National Carbon Company. (See Spencer, Thomas, assignor.)
National Carbon Company. (See Walker, George W., assignor.)
National Carbon Company. (See Williams, Ira C. and C. F., assignors.)
National Cash Register Company, The. (See Banwell and Phillips, assignors.)
National Cash Register Company, The. (See Carroll, Thomas, assignor.)
National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
National Cash Register Company, The. (See Martin, Haakon A., assignor.)
National Cash Register Company. (See Von Pein, Edward J., assignor.)
National Cash Register Company, The. (See Werner, John A., assignor.)
National Cash Register Company, The. (See Skerl, Francesco, assignor.)
National Chain Company. (See Rosenberg, Samuel, assignor.)
National Chemical Co. (See Seltenreich, John J., assignor.)
National City Bank, The. (See Hussey, Thomas O., assignor.)
National Compressed Air Machinery Co. (See Hatfield and Gearing, assignors.)
National Enameling and Stamping Company. (See Knapp, George W., assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Equipment Company. (See Granlund, Oscar F., assignor.)
National Equipment Company. (See Schoppner, William C., assignor.)
National Fire Proofing Company. (See Naylor, Harry B., assignor.)
National Fire Proofing Company. (See Wolfe, Charles C., assignor.)
National Fiber Textile Company, The. (See Summers, Bertrand S., assignor.)
National Fireworks Distributing Company, The. (See Clark, Allen F., assignor.)
National Gauge and Equipment Co. (See Gelatt, Philo M., assignor.)
National Gauge & Equipment Company. (See Oeschger, Walter I., assignor.)
National Grave Vault Co., The. (See King, Clarence W., assignor.)
National Gum & Mica Company. (See Alexander, Jerome, assignor.)
National Gum & Mica Company. (See Alexander, Walter, assignor.)
National Hotel Scrip Company. (See Stare, Welling, and Conover, assignors.)
National India Rubber Company. (See Jury, Alfred E., assignor.)
National Indicator Company. (See Van Vechten, Orville R., assignor.)
National Indicator Company. (See Lotz, Ralph W., assignor.)
National Khaki Watch Strap Company. (See Scott, Arthur H., assignor.)
National Lead Company. (See Tolman, Charles P., assignor.)
National Lock Company. (See Buchanan, Frank E., assignor.)
National Lock Washer Company, The. (See Hoyt, Daniel, assignor.)
National Magnesia Manufacturing Company. (See Grunwald, Bertrand B., assignor.)
National Machine Company. (See Stach, Howard J., assignor.)
National Machinery Company, The. (See Clouse, William L., assignor.)
National Malleable Castings Company, The. (See Bazeley, Arthur J., assignor.)
National Malleable Castings Company, The. (See Bixby, Allan S., assignor.)
National Malleable Castings Company, The. (See Blackmore, William, assignor.)
National Malleable Castings Company. (See Buckius, Albert O., Jr., assignor.)
National Malleable Castings Company, The. (See Campbell, Frank R., assignor.)
National Malleable Castings Company, The. (See Coffin, Walter E., assignor.)

National Malleable Castings Company, The. (See Mark, Clayton, assignor.)
National Malleable Castings Company, The. (See Martin, George V., assignor.)
National Malleable Castings Company, The. (See Meyer, Chester F., assignor.)
National Malleable Castings Company, The. (See Stephenson, John W., assignor.)
National Malleable Castings Company, The. (See Schmidt, Ernest H., assignor.)
National Manufacturing Company. (See Ferris, Walton C., assignor.)
National Manufacturing and Specialty Company. (See Scott and Hug, assignors.)
National Marking Machine Company, The. (See Bearmore, Albert D., assignor.)
National Metal Molding Company. (See Robinson and Knoderer, assignors.)
National Metal Moulding Company, The. (See Detwiler, Charles N., assignor.)
National Metal Moulding Company. (See Hubbard and Gilson, assignors.)
National Metal Seal Corporation. (See Tate, Ervin W., assignor.)
National Oil Company, The. (See Ebsen, William A., assignor.)
National Paper Can Company. (See Hulbert, Edwin F., assignor.)
National Paper Products Co. (See Aicher, Gustav A., assignor.)
National Pin Co. (See Benke, Charles A., assignor.)
National Pneumatic Company. (See Forman, Paris R., assignor.)
National Pneumatic Company. (See Gottschalk, Albert, assignor.)
National Pneumatic Company. (See Rowntree, Harold, assignor.)
National Radio Company. (See Hanscom, William W., assignor.)
National Railway Equipment Company, The. (See Caughling, Frank W., assignor.)
National Roll and Foundry Company, The. (See Baird, James B., assignor.)
National Rubber & Specialties Company, The. (See Bancroft, James E., assignor.)
National Safety Appliance Company, The. (See Folker, Howard S., assignor.)
National Shock Loader Co. (See Gilliland, Orra L., assignor.)
National Shorthand Machine Company. (See Ireland, Ward S., assignor.)
National Shorthand Machine Company. (See Ireland and Lippert, assignors.)
National Spring & Wire Company. (See Stevens, Robert L., assignor.)
National Stamping & Electric Works. (See Bandlow, Henry E., assignor.)
National Steel Products Company. (See Bohannan, Robert S., assignor.)
National Street and Station Indicator Company. (See Kellum and Sweetland, assignors.)
National Supply Company, The. (See Wright, Clyde S., assignor.)
National Surface Guard Company. (See Luthman, Charles H., assignor.)
National Tank and Pipe Co. (See North, Henry, assignor.)
National Tire & Rubber Company. (See Crowl, Charles, assignor.)
National Tractor & Plow Company, The. (See Carpenter, Alexander, assignor.)
National Tube Company. (See Baines and Latshaw, assignors.)
National Tube Company. (See Boyd and Saunders, assignors.)
National Tube Company. (See Donnelly, Joseph J., assignor.)
National Tube Company. (See McCulloch, John A., assignor.)
National Tube Company. (See McMillan, Frank P., assignor.)
National Tube Company. (See Saunders, Augustus M., assignor.)
National Veneer Products Company. (See Stevenson, Charles R., assignor.)
National Washboard Company. (See Gilbert, Henry J., assignor.)
National Water Main Cleaning Company. (See Frank, William A., assignor.)
National Wire Wheel Works. (See Paulson, Alfred, assignor.)
National Wire Wheel Works. (See Ringling, Walter L., assignor.)
Natural Color Pictures Company. (See Fox, William F. assignor.)
Natural Differential Co. (See Taylor, Clarence W., assignor.)
Naudet, Leon, Chelles, France. Extracting sugar. No. 1,281,057; Oct. 8; v. 255; p. 285.
Naudet, Leon, Chelles, France. Sugar manufacture. No. 1,286,066; Nov. 26; v. 256; p. 778.
Nauer, Morris, New York, N. Y. Stationary washboiler. No. 1,275,076; Aug. 6; v. 253; p. 208.
Naugle, Roy L., Blackstone, Va. Steam-generator. No. 1,275,290; Aug. 13; v. 253; p. 291.
Nauman, John F. (See Gay, Herman T., assignor.)
Navara, John, Chicago, Ill. Railway-skate. No. 1,260,431; Mar. 26; v. 248; p. 818.
Navarre, Bertrand A., Lyon, France. Apparatus for regenerating old paper. No. 1,265,809; May 14; v. 250; p. 286.
Navarrete, Marcos, Naco, and Y. Martinez, Douglas, Ariz. Coffin. No. 1,270,543; June 25; v. 251; p. 762.
Navy League of the United States. (See Hunt, Margarita C., assignor.)
Nayda, Wladyslaw. (See Cozel, Kowalczyk, and Nayda.)
Naylon, Michael, Cleveland, Ohio. Resilient wheel. No. 1,267,788; May 28; v. 250; p. 894.
Nawiasky, Paul. (See Bohn and Nawiasky.)
Nawiasky, Paul. (See Kardos and Nawiasky.)
Naylor, Carl G., Chicago, Ill. Mill for rolling flanges. No. 1,276,397; Aug. 20; v. 253; p. 632.
Naylor, Carl G., assignor to Naylor-Robertson Company, Chicago, Ill. Spiral-pipe-making machine. No. 1,288,134; Dec. 17; v. 257; p. 548.
Naylor, John H., Everett, Mass. Electrical fuse. No. 1,257,100; Feb. 19; v. 247; p. 657.
Naylor, Harry B., assignor to National Fire Proofing Company, Pittsburgh, Pa. Tile structure and tile therefor. No. 1,261,426; Apr. 2; v. 249; p. 124.
Naylor-Robertson Company. (See Naylor, Carl G., assignor.)
Nazel, John. (See Fritsch and Nazel, assignors.)
Nazel, John. (See Nazel, Ralph W., assignor.)
Nazel, Ralph W. (See Fritsch and Nazel.)
Nazel, Ralph W., assignor to J. Nazel, Philadelphia, Pa. Fluid-power hammer. No. 1,268,270; June 4; v. 251; p. 57.
Nazer, Leroy H., and J. L. Jensen, Cowley, Wyo. Endless sickle. No. 1,257,101; Feb. 19; v. 247; p. 657.
Nead, William S., Stillwater, Minn. Electrical block-signaling system for railways. No. 1,282,455; Oct. 22; v. 255; p. 737.
Neahr, Will C., assignor to The Protective Signal Manufacturing Company, Denver, Colo. Railway-crossing signal. No. 1,268,381; June 4; v. 251; p. 89.
Neal, Charles A., Kansas City, Mo. Electric heater for oil-wells. No. 1,264,119; Apr. 23; v. 249; p. 953.
Neal, De Courcy, and A. O. Abbott, Jr., Detroit, Mich., assignors to Morgan & Wright. Core-handling apparatus for tire-building machines. No. 1,289,233; Dec. 31; v. 257; p. 866.
Neal, Elmer E., assignor to Marlin-Rockwell Corporation, Philadelphia, Pa. Taper-roller bearing. No. 1,258,634; Mar. 5; v. 248; p. 201.
Neal, Elmer E., assignor to Marlin Rockwell Corporation, Philadelphia, Pa. Roller-bearing. No. 1,258,635; Mar. 5; v. 248; p. 201.
Neal, Franklin G. (See Holden and Neal.)
Neal, Harry W., Indianapolis, Ind. Locking device for coil-boxes and switches. No. 1,262,378; Apr. 9; v. 249; p. 420.
Neal, John Q., Bude, Miss. Chain-lock. No. 1,265,486; May 7; v. 250; p. 168.
Neal, Morris E., Wellington, Kans. Steam-engine. No. 1,276,681; Aug. 20; v. 253; p. 708.
Neal, Walter V. (See Bruner and Neal.)
Neal, William A., Lewisburg, W. Va. Resilient tire for automobile-wheels. No. 1,269,842; June 18; v. 251; p. 546.
Neal, William E., assignor to Brown & Bigelow, St. Paul, Minn. Ready-reference calendar. No. 1,268,599; June 4; v. 251; p. 151.
Nearhof, Dirk W., Oostburg, Wis. Direction-indicator for automobiles. No. 1,271,064; July 2; v. 252; p. 88.
Nearing, Frank, New York, N. Y. Automobile dumping-truck. No. 1,283,867; Nov. 5; v. 256; p. 114.
Neary, John H. (See Carrico, Frank D., assignor.)
Neat, Clifford L., Yelm, Wash. Boltless railway-splice. No. 1,275,724; Aug. 13; v. 253; p. 412.
Neats, Clarence P., East Orange, N. J. Amusement device. No. 1,260,013; Mar. 19; v. 248; p. 666.
Neats, Harry S. (See Chia, Bernard J., assignor.)
Nebeling, Edmund R., New York, N. Y. Safety-pin. No. 1,252,930; Jan. 8; v. 246; p. 463.
Neben, Emil T., Ridgewood, N. J., assignor, by mesne assignments, to Neben Manufacturing Company. Mold for casting peripherally-closed relief-engraved printing-cylinders. No. 1,261,642; Apr. 2; v. 249; p. 184.
Neben Manufacturing Company. (See Neben, Emil T., assignor.)
Neblett, Cyrus W., Lavernia, Tex. Supporting structure. No. 1,286,391; Dec. 3; v. 257; p. 51.
Nechamkin, Nathan. (See Dubick and Nechamkin.)
Neckerman, William M., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Coupling for drill-pipes. No. 1,254,927; Jan. 29; v. 246; p. 1124.
Nedland, Berent T., Hillsboro, N. D. Fountain-pen. No. 1,262,547; Apr. 9; v. 249; p. 468.
Neeb, Arthur J., Utica, Minn. Automatic litter-carrier. No. 1,252,477; Jan. 8; v. 246; p. 334.
Needham, Alvin W., Brooklyn, N. Y. Engine-lathe. No. 1,258,136; Mar. 5; v. 248; p. 54.

Needham, Charles E., Allentown, Pa., assignor to Bradley Pulverizer Company, Boston, Mass. Shaft coupling and bearing for grinding-mills. No. 1,262,379; Apr. 9; v. 249; p. 421.
Needham, George A., Brooklyn, N. Y. Safe or vault construction. No. 1,269,206; June 11; v. 251; p. 339.
Needham, Hobart L., McMinnville, Oreg. Perfume-vending machine. No. 1,271,204; July 2; v. 252; p. 128.
Needham, Richard E., Youngstown, Ohio. Invalid's bed. No. 1,270,192; June 18; v. 251; p. 639.
Needham, James J., and G. Scheideler, New York, N. Y. Oven. No. 1,254,721; Jan. 29; v. 246; p. 1062.
Needham, John L. (See Drake and Needham.)
Needham, William H., assignor to Boston Pressed Metal Company, Worcester, Mass. Making skate-keys. No. 1,261,153; Apr. 2; v. 249; p. 46.
Neely, Charles D., Chicago, Ill. Animal-trap. No. 1,261,273; Apr. 2; v. 249; p. 79.
Neely, Charles D., Chicago, Ill. Animal-trap. No. 1,285,323; Nov. 19; v. 256; p. 553.
Neely, Frank C., Clarinda, Iowa. Stanchion. No. 1,270,314; June 25; v. 251; p. 698.
Neely, J. F., *et al.* (See Davis, Henry J., assignor.)
Neely, R. C., *et al.* (See Davis, Henry J., assignor.)
Neely, Samuel L., Willard, Mo. Combination switch apparatus. No. 1,265,242; May 7; v. 250; p. 102.
Nees, Louis, assignor of one-half to R. J. Cheney, Minneapolis, Minn. Window frame and sash. No. 1,270,433; June 25; v. 251; p. 731.
Nees, William, Drexel Hill, Pa. Die and forming articles from sheet metal. No. 1,286,723; Dec. 3; v. 257; p. 129.
Neet, Fred C. (See Henderson and Neet.)
Neet, Mabelle R., *et al.* (See Henderson and Neet, assignors.)
Nefedov, Basil, Brooklyn, N. Y. Cut-gage for machine-tools. No. 1,283,868; Nov. 5; v. 256; p. 114.
Neff, Ignatz O. (See Schilling and Neff.)
Neff, Lee S. (See Enderlin and Neff.)
Neff, Louis C., Brooklyn, N. Y. Collar-spreader. No. 1,269,205; June 11; v. 251; p. 338.
Neff, Robert C., Brooklyn, assignor to C. F. Boker, New York, N. Y. Nailing-machine. No. 1,263,794; Apr. 23; v. 249; p. 864.
Negley, Earl H., Canton, Ill. Distribution-box. No. 1,259,766; Mar. 19; v. 248; p. 593.
Negus, Arthur I. (See Tiffany, Herbert W., assignor.)
Negus, Edward J., and F. Charles, Leicester, England, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on heels. No. 1,285,785; Nov. 26; v. 256; p. 709.
Negus, James D., Douglas, Wyo. Railway-road-bed construction. No. 1,262,548; Apr. 9; v. 249; p. 468.
Negus, William P., West Branch, Iowa. Seed-corn hanger. No. 1,255,776; Feb. 5; v. 247; p. 192.
Neider, Fred A., assignor to The F. A. Neider Company, Augusta, Ky. Curtain-fastener. No. 1,287,077; Dec. 10; v. 257; p. 254.
Neidich, Samuel A., Edgewater Park, N. J. Machine for winding ribbons on spools. No. 1,282,618; Oct. 22; v. 255; p. 781.
Neidlinger, Jacob L., Blackwood, Pa. Gate for elevator-landings. No. 1,263,921; Apr. 23; v. 249; p. 901.
Neikirk, John O., Lombard, Ill. Draft-gear for railway-cars. No. 1,251,911; Jan. 1; v. 246; p. 139.
Neikirk, John O., Lombard, Ill. Railway-car. No. 1,268,045; May 28; v. 250; p. 966.
Neikirk, John O., Lombard, Ill. Railway-car. No. 1,289,877; Dec. 31; v. 257; p. 1025.
Neil, De Witte T., Homer, La. Automobile-signal. No. 1,274,309; July 30; v. 252; p. 1111.
Neil, Joseph B., Filbert, S. C. Cotton-picker. No. 1,252,016; Jan. 1; v. 246; p. 169.
Neill, Paul, East Orange, N. J., assignor to Westinghouse Electric and Manufacturing Company. Escapement device. No. 1,274,749; Aug. 6; v. 253; p. 116.
Neill, Walter E., Englewood, N. J. Display-rack. No. 1,273,397; July 23; v. 252; p. 823.
Neilsen, Christian P. (See Kolby, Larsen, and Neilsen.)
Neilson, Mary D., Minneapolis, Minn. Undergarment. No. 1,281,058; Oct. 8; v. 255; p. 286.
Neilson, Ole M., *et al.* (See Conard, Abraham N., assignor.)
Neiman, Howard S., Brooklyn, N. Y. Wind-shield. No. 1,269,634; June 18; v. 251; p. 488.
Nein, William C. (See Varley and Nein.)
Nein, William C., assignor of one-third to M. A. Holden, administratrix, and one-third to T. W. Varley, New York, N. Y. Train stop and signaling device. No. 1,269,567; June 11; v. 251; p. 436.
Neir, Earl R., Chicago, Ill., and B. C. Groh, St. Paul, Minn., assignors to Automatic Electric Company, Chicago, Ill. Telephone system. No. 1,256,587; Feb. 19; v. 247; p. 507.
Neiss, Charles M., Newark, N. J. Tent. No. 1,276,255; Aug. 20; v. 253; p. 591.
Neiss, Charles M., Newark, N. J. Collar-button. No. 1,286,067; Nov. 26; v. 256; p. 778.
Neiss, Peter, Valentine, Nebr. Gate-fastener. No. 1,264,120; Apr. 23; v. 249; p. 953.
Neistrath, John W., Biloxi, Miss. Broom-holder. No. 1,280,072; Sept. 24; v. 254; p. 827.
Neiswanger, George H. (See Edwards, William H., assignor.)
Nelis, Frank A., Piqua, Ohio. Micrometer depth-gage. No. 1,266,977; May 21; v. 250; p. 642.
Nelles, Rudolf, Baltimore, Md. Canteen. No. 1,271,928; July 9; v. 252; p. 361.
Nelles, Rudolf, Baltimore, Md. Releasing-hook for boats, &c. No. 1,273,650; July 23; v. 252; p. 892.
Nelon, Harry A., Charlottesville, Va. Fruit paring and coring machine. No. 1,263,922; Apr. 23; v. 249; p. 901.
Nelon, Harry A., Charlottesville, Va. Canning corn. No. 1,269,843; June 18; v. 251; p. 547.
Nelsen, Henry. (See Ramm and Nelsen.)
Nelsen, Laurits W., Pontiac, Ill. Culvert. No. 1,254,153; Jan. 22; v. 246; p. 869.
Nelson, Albert, Wheaton, Minn. Post-card-vending machine. No. 1,262,236; Apr. 9; v. 249; p. 381.
Nelson, Alfred, Chicago, Ill. Floor-scraper. No. 1,268,873; June 11; v. 251; p. 246.
Nelson, Andrew, New York, N. Y. Composition for treating floors. No. 1,282,706; Oct. 22; v. 255; p. 805.
Nelson, Andrew, Eastlake, Mich. Multiple horse holder and releaser. No. 1,284,428; Nov. 12; v. 256; p. 289.
Nelson, Alice C., Tipton, Mo. Chimney-flue. No. 1,272,503; July 16; v. 252; p. 550.
Nelson, Anna, Cook, Minn. Cooking utensil. No. 1,288,650; Dec. 24; v. 257; p. 701.
Nelson, Arthur W., Williamsport, Pa. Loose pulley. No. 1,268,382; June 4; vol. 251; p. 89.
Nelson, August, Minneapolis, Minn. Mop. No. 1,268,271; June 4; v. 251; p. 57.
Nelson, August P., Oberon, N. D. Tongs. No. 1,274,187; July 30; v. 252; p. 1078
Nelson, August W., Spokane, Wash. Head-rest. No. 1,271,205; July 2; v. 252; p. 129.
Nelson, Ben S., assignor to Model Form Company, Chicago, Ill. Skirt-gage for dress-forms. No. 1,280,816; Oct. 8; v. 255; p. 221.
Nelson, Bert, Spokane, Wash. Clothes-washer. No. 1,275,077; Aug. 6; v. 253; p. 208.
Nelson, Berton L. and O. E., Butterfield, Minn. Hay-rack. No. 1,289,519; Dec. 31; v. 257; p. 938.
Nelson, Carl J., Palermo, N. D. Combination spade and crowbar. No. 1,253,472; Jan. 15; v. 246; p. 655.
Nelson, Charles A., Utica, N. Y., assignor to Savage Arms Corporation. Machine-gun. No. 1,256,923; Feb. 19; v. 247; p. 606.
Nelson, Charles A., Utica, N. Y., assignor to Savage Arms Corporation. Cartridge-guide for firearms. No. 1,256,924; Feb. 19; v. 247; p. 606.
Nelson, Charles A., assignor to C. A. Nelson Co., Chicago, Ill. Incandescent-lamp-bulb socket. No. 1,262,237; Apr. 9; v. 249; p. 381.
Nelson, Charles H., *et al.* (See Hyle and Herman, assignors.)
Nelson, Charles R. (See Du Laney, James A., assignor.)
Nelson, Charles R., Portland, Me. Damper-regulator for steam-boilers. No. 1,288,651; Dec. 24; v. 257; p. 701.
Nelson, Chas. W. (See Myers, Melvin A., assignor.
Nelson, Christian M., Fond du Lac, Wis. Automobile-heater. No. 1,285,324; Nov. 19; v. 256; p. 553.
Nelson, Clyde A., Cristobal, Canal Zone. Rod-bending machine. No. 1,288,965; Dec. 24; v. 257; p. 776.
Nelson, Elof, Oak Creek, Colo. Baker's furnace. No. 1,271,065; July 2; v. 252; p. 88.
Nelson, Emil. (See Johnston, Roscoe C., assignor.)
Nelson, Emil A., Ronville, Mich. Spring suspension for motor-vehicles. No. 1,254,928; Jan. 29; v. 246; p. 1124.
Nelson, Emil A., Duluth, Minn. Focusing device for moving-picture machines. No. 1,271,748; July 9; v. 252; p. 312.
Nelson, Emil A., Duluth, Minn. Focusing device for moving-picture machines. No. 1,271,929; July 9; v. 252; p. 361.
Nelson, Emil G., and J. Landeck, What Cheer, Iowa. Construction-block. No. 1,278,194; Sept. 10; v. 254; p. 259.
Nelson, Erik W., New Rochelle, N. Y. Cam-movement. No. 1,268,874; June 11; v. 251; p. 246.
Nelson, Frederick, Jamestown, N. Y., and C. Espersen, Warren borough, Pa. Folding bracket-table. No. 1,283,869; Nov. 5; v. 256; p. 114.
Nelson, Frithiof, Rockford, Ill. Knitting-machine. No. 1,252,152; Jan. 1; v. 246; p. 208.
Nelson, George E. H., Racine, Wis. Toy. No. 1,276,561; Aug. 20; v. 253; p. 676.
Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Sewing-machine. No. 1,252,931; Jan. 8; v. 246; p. 463.
Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Bobbin-case latch for sewing-machines. No. 1,274,188; July 30; v. 252; p. 1078.
Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Stop mechanism for sewing-machines. No. 1,282,107; Oct. 22; v. 255; p. 642.

Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Sewing-machine. No. 1,288,652; Dec. 24; v. 257; p. 701.
Nelson, Harmon O., assignor to The Whitin Machine Works, Whitinsville, Mass. Comber doffer-brush. No. 1,265,810; May 14; v. 250; p. 287.
Nelson, Harmon O., assignor to Whitin Machine Works, Whitinsville, Mass. Gearing. No. 1,270,859; July 2; v. 252; p. 30.
Nelson, Henry, Albert Lea, Minn. Fastening device. No. 1,257,517; Feb. 26; v. 247; p. 815.
Nelson, Herbert G., Chicago, Ill. Milk-can. No. 1,258,036; Mar. 5; v. 248; p. 26.
Nelson, Ida, Eagle Grove, Iowa. Belt. No. 1,285,325; Nov. 19; v. 256; p. 553.
Nelson, Iver J., Wittenberg, Wis. Sleigh-runner. No. 1,267,789; May 28; v. 250; p. 895.
Nelson, James D., Cincinnati, Ohio. Electric signal system. No. 1,254,152; Jan. 22; v. 246; p. 869.
Nelson, James D., Cincinnati, Ohio. Sprinkler electric signal system. No. 1,266,143; May 14; v. 250; p. 381.
Nelson, James D., Cincinnati, Ohio. Electric signal system. No. 1,266,144; May 14; v. 250; p. 381.
Nelson, James E. (See Broecker and Nelson.)
Nelson, John, Rathdrum, Idaho. Cattle-guard. No. 1,252,153; Jan. 1; v. 246; p. 208.
Nelson, John A., Nebraska City, Nebr. Loading-machine. No. 1,258,434; Mar. 5; v. 248; p. 142.
Nelson, John N., assignor to E. Kirstein Sons Company, Rochester, N. Y. Ophthalmic mounting. No. 1,263,593; Apr. 23; v. 249; p. 811.
Nelson, Leon J., Omaha, Nebr. Band-iron connector. No. 1,270,193; June 18; v. 251; p. 639.
Nelson, Lewis W., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Dynamo-electric machine. No. 1,276,682; Aug. 20; v. 253; p. 709.
Nelson, Lloyd F., Bremerton, Wash. Armband. No. 1,283,870; Nov. 5; v. 256; p. 115.
Nelson, Mark N., *et al.* (See Waibel, Henry, assignor.)
Nelson, Marinus J., West Minneapolis, Minn. Incubator. No. 1,258,037; Mar. 5; v. 248; p. 26.
Nelson, Nels, Kingcome River, British Columbia, Canada. Automatic valve-controlling device. No. 1,262,689; Apr. 16; v. 249; p. 537.
Nelson, Nels H. (See Terry and Nelson.)
Nelson, Nels H., Dale, Minn. Corn-harvester. No. 1,259,767; Mar. 19; v. 248; p. 593
Nelson, Noah C., Imperial, Cal. Combined harvester. No. 1,255,209; Feb. 5; v. 247; p. 28.
Nelson, Oscar M., assignor to The United States Sugar Co., New Haven, Conn. Syrup-cooker. No. 1,264,839; Apr. 30; v. 249; p. 1186.
Nelson, Otto E. (See Nelson, Berton L. and O. E.)
Nelson, Peter E., Luverne, N. D. Chain-link. No. 1,269,733; June 18; v. 251; p. 515.
Nelson, Robert E., Keystone, S. D. Ore-separator. No. 1,272,301; July 9; v. 252; p. 468.
Nelson, Samuel, South Orange, N. J. Inflating apparatus. No. 1,259,431; Mar. 12; v. 248; p. 466.
Nelson, Swan A., Tunnelhill, Pa. Violin-support. No. 1,275,291; Aug. 13; v. 253; p. 292.
Nelson, Swan A., Stromsburg, Nebr. Artificial arm. No. 1,285,326; Nov. 19; v. 256; p. 554.
Nelsen, Vernon G., Staplehurst, Nebr. Potato-planter. No. 1,285,327; Nov. 19; v. 256; p. 554.
Nelson, Willoughby C., Omaha, assignor of one-half to C. W. Conkling, Tekamah, Nebr. Camp-stove. No. 1,276,795; Aug. 27; v. 253; p. 777.
Nelsskog, Nels. (See Runsvold and Nelsskog.)
Nemeth, Emry, New York, N. Y. Lock. No. 1,264,840; Apr. 30; v. 249; p. 1186.
Nemamich, Martin. (See Ahachich, Peter J., assignor.)
Nenninger, Lester F. (See Hazelton and Nenninger.)
Nenninger, Oscar A., Newark, N. J. Condenser and distilling device. No. 1,252,154; Jan. 1; v. 246; p. 208.
Neracher, Carl A., New York, N. Y., assignor to The Brophy Engineering Company, Cleveland, Ohio. Means for propelling bicycles and the like. No. 1,269,558; June 11; v. 251; p. 433.
Neresheimer, Carl. (See Bosch, Mittasch, and Neresheimer.)
Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electrical contact. No. 1,257,917; Feb. 26; v. 247; p. 932.
Nervo, B. B. (See Tibbs, Clarence E., assignor.)
Nesbit, Aaron J., Carrolls, Wash. Butt-hook. No. 1,278,494; Sept. 10; v. 254; p. 339.
Nesbit, Arthur F. (See Strong and Nesbit.)
Nesbitt, Alexander, Paterson, N. J. Automatic reel and let-off for electric-lighting devices. No. 1,253,415; Jan. 15; v. 246; p. 640.
Nesbitt, Alexander, Paterson, N. J. Adjuster for electric-light cables. No. 1,263,795; Apr. 23; v. 249; p. 855.
Nesbitt, William D., Birmingham, Ala., assignor to Standard Compress and Warehouse Corporation, New York, N. Y. Compress-bale and method of compressing. No. 1,256,505; Feb. 12; v. 247; p. 448.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,253,514; Jan. 15; v. 246; p. 667.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,259,432; Mar. 12; v. 248; p. 466.
Nesbitt, William J., Los Angeles, Cal. Heel-cutter. No. 1,259,433; Mar. 12; v. 248; p. 467.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,260,244; Mar. 19; v. 248; p. 730.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,262,549; Apr. 9; v. 249; p. 468.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,265,487; May 7; v. 250; p. 169.
Nesbitt, William J., Los Angeles, Cal. Heel-cutter. No. 1,275,078; Aug. 6; v. 253; p. 209.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,282,456; Oct. 22; v. 255; p. 737.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,287,400; Dec. 10; v. 257; p. 335.
Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,289,878; Dec. 31; v. 257; p. 1025.
Neser, Carroll E., *et al.* (See Smith, John B. R., assignor.)
Neser, Thomas D., *et al.* (See Smith, John B. R., assignor.)
Nessling, Edwin V. (See Warwick and Nessling.)
Nessling, Edwin V., assignor to General Wire Tie Company, Chicago, Ill. Machine for tying objects with wire. No. 1,268,383; June 4; v. 251; p. 89.
Nestegard, Knut L., Knapen, Alberta, Canada. Draft-equalizer. No. 1,267,106; May 21; v. 250; p. 678.
Nestell, Raymond J., assignor to International Precipitation Company, Los Angeles, Cal. Increasing the solubility of the potassium content of cement-kiln dust. No. 1,274,310; July 30; v. 252; p. 1111.
Nesterud, Oscar, Storden, Minn. Quack-grass destroyer. No. 1,258,930; Mar. 12; v. 248; p. 324.
Nestor, Alexander, Chicago, Ill. Bread-cutter. No. 1,276,398; Aug. 20; v. 253; p. 632.
Neth, George J., assignor of one-half to E. E. McFarland, Dayton, Ohio. Plotting device. No. 1,258,137; Mar. 5; v. 248; p. 55.
Nettenstrom, David, Chicago, Ill. Hydraulic transmission. No. 1,289,520; Dec. 31; v. 257; p. 938.
Netti, Anthony C. and C., Brooklyn, N. Y. Dustless ash-sifter. No. 1,286,068; Nov. 26; v. 256; p. 778.
Netti, Canio. (See Netti, Anthony C. and C.)
Nettles, James P., Meadow, Tex. Agricultural implement. No. 1,288,135; Dec. 17; v. 257; p. 549.
Nettleton, Stanley, Johannesburg, Transvaal, South Africa. Means for ventilating mine-workings and the like. No. 1,274,438; Aug. 6; v. 253; p. 27.
Netzorg, Charles S., Chicago, Ill. Advertising display-card. No. 1,272,504; July 16; v. 252; p. 550.
Neu, Hugo, New York, N. Y., and L. Blaha, Lyndhurst, N. J., assignors to Nugo Device Corporation. Protective device for automobiles. (Reissue.) No. 14,451; Mar. 26; v. 248; p. 984.
Neu, Joseph. (See Leech, Aubrey B., assignor.)
Neubauer, Ferdinand, Cleveland, Ohio. Combination-lock. No. 1,252,606; Jan. 8; v. 246; p. 371.
Neuberth, Franklin C., assignor to The S. O. & C. Co., Ansonia, Conn. Making buttons. No. 1,257,731; Feb. 26; v. 247; p. 879.
Neuberth, George E., Newark, N. J. Machine for making seamless tubing of metal, pulp, or other materials. No. 1,285,328; Nov. 19; v. 256; p. 554.
Neufeed Company, The. (See Walker, Robert P., assignor.)
Neuland, Alfons H., New York, N. Y. Dynamo-electric machine. No. 1,266,302; May 14; v. 250; p. 424.
Neuland, Alfons H., San Francisco, Cal. Electromagnetic power-transmitting apparatus. No. 1,266,303; May 14; v. 250; p. 424.
Neuland, Alfons H., San Francisco, Cal. Ignition and lighting apparatus. No. 1,275,292; Aug. 13; v. 253; p. 292.
Neumaier, John, assignor to North East Electric Company, Rochester, N. Y. Wheel-puller. No. 1,258,699; Mar. 12; v. 248; p. 257.
Neuman, David, Albany, Ga. Garden implement. No. 1,284,752; Nov. 12; v. 256; p. 369.
Neuman, Fred C., Michigan City, Ind. Extensible car-step. No. 1,257,629; Feb. 26; v. 247; p. 848.
Neuman, Hugo, Ford City, Ontario, Canada, assignor to Diamond Manufacturing Company, Detroit, Mich. Machine for forming metal tubes. No. 1,257,293; Feb. 19; v. 247; p. 715.
Neuman, Hugo, Ford City, Ontario, Canada, assignor to Diamond Manufacturing Company, Detroit, Mich. Tube-cutting machine. No. 1,269,635; June 18; v. 251; p. 488.
Neuman, Nathan, Philadelphia, Pa., assignor to Paragon Knitting Mills. Knitted sweater. No. 1,279,411; Sept. 17; v. 254; p. 617.
Neumann, Frank A., assignor to Cassady-Fairbank Manufacturing Company, Chicago, Ill. Nutcracker. No. 1,282,278; Oct. 22; v. 255; p. 689.
Neumann, Louis, assignor of one-half to F. X. Steffans, New York, N. Y. Surface-gage. No. 1,253,082; Jan. 8; v. 246; p. 511.
Neumann, Math, Buffalo, Minn. Automatic calf-feeder. No. 1,276,946; Aug. 27; v. 253; p. 815.
Neumann, Max P. (See Kipniss and Neumann.)
Neumann, William E., Michigan City, Ind. Flame-snuffer for oil-lamp wicks. No. 1,261,427, Apr. 2; v. 249; p. 124.

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Neumeier, Edmund G., Moline, Ill. Platform-leveler. No. 1,262,829; Apr. 16; v. 249; p. 577.
Neustadter Bros. (See Ballin, Maurice, assignor.)
Neuteboom, Boudewijn B. (See Taylor and Neuteboom.)
Neuteboom, Boudewijn B., Detroit, Mich. Wheel. No. 1,255,554; Feb. 5; v. 247; p. 128.
Neuteboom, Boudewijn B., Detroit, Mich. Propeller for airplanes. No. 1,288,136; Dec. 17; v. 257; p. 549.
Neuwiller, Henry A., New Orleans, La. Wind-horn. No. 1,264,841; Apr. 30; v. 249; p. 1186.
Nevens, Herbert R., Dorcester, L. R. Wallace, Waltham, and R. Marcy, Lincoln, Mass., assignors to Nevens-Wallace Train Control Company. Train-stop mechanism. No. 1,258,138; Mar. 5; v. 248; p. 55.
Nevens-Wallace Train Control Company. (See Nevens, Wallace, and Marcy, assignors.)
Nevens-Wallace Train Control Company. (See Wallace, Lewis R., assignor.)
Never-Break Products Company. (See Lee, Elmer J., assignor.)
Nevers, Kenneth W., Athol, Mass. Adjustable curve. No. 1,258,357; Mar. 5; v. 248; p. 117.
Nevin, Charles, Buffalo, N. Y. Signal-actuating device for motor-vehicles. No. 1,264,544; Apr. 30; v. 249; p. 1107.
Nevin, Charles, Buffalo, N. Y. Signal-actuating device for vehicles. No. 1,264,545; Apr. 30; v. 249; p. 1107.
Nevsky, Jacob, Chicago, Ill. Garment-holder. No. 1,255,555; Feb. 5; v. 247; p. 129.
New Britain Machine Company, The. (See Brown, Robert S., assignor.)
New Departure Manufacturing Company, The. (See Laycock, Arthur M., assignor.)
New Departure Manufacturing Company, The. (See Page Victor W., assignor.)
New Departure Manufacturing Co., The. (See Rockwell, Albert F., assignor.)
New England Confectionery Company. (See Brady, Alexander, assignor.)
New England Confectionery Company. (See Spear, George H., assignor.)
New Era Mfg. Co. (See Fanslow, Benjamin O., assignor.)
New Era Spinning Co. (See Belanger, Victor, assignor.)
New, Frederick W. (See Seers and New.)
New Haven Clock Co. (See Porter, Wilson E., assignor.)
New Jersey Optical Co. (See Searles, Wayne S., assignor.)
New Jersey Patent Company. See Aiken, Edward L., assignor.)
New Jersey Patent Company. (See Aylsworth and Aiken, assignors.)
New Jersey Patent Company. (See Aylsworth, Jonas W., assignor.)
New Jersey Patent Company. (See Constable, John P., assignor.)
New Jersey Patent Company. (See Durand, Nelson C., assignor.)
New Jersey Patent Company. (See Edison, Thomas A., assignor.)
New Jersey Patent Company. (See Holland, Newman H., assignor.)
New Jersey Patent Company. (See Langley, Sam G., assignor.)
New Jersey Patent Company. (See Pierman, Alexander N., assignor.)
New Jersey Zinc Company, The. (See Nitchie, Charles C., assignor.)
New Jersey Zinc Company, The. (See Rigg, Gilbert, assignor.)
New Jersey Zinc Company. (See Rowand, Lewis G., assignor.)
New Jersey Zinc Company. (See Singmaster and Breyer. assignors.)
New London Mfg. Co. (See Sandford, Ralph R., assignor.)
New Metals-Process Company. (See Jones, John T., assignor.)
New Metals-Process Company. (See Longyear and Jones, assignors.)
New Process Oil Company. (See Seeger, Robert, assignor.)
"New-Way" Motor Company. (See Drummond, William, assignor.)
"New-Way" Motor Company, The. (See Manthey, Henry, assignor.)
New York Belting & Packing Company. (See Coughlin. Edward J., assignor.)
New York Belting and Packing Company. (See Crawford, Neil D., assignor.)
New York Cigarette Machine Company. (See Drucklieb, Paul A., assignor.)
New York Coil Company. (See Rhoades, Lewis T., assignor.)
New York Couch Bed Company. (See Sisbower and Pittoni, assignors.)
New York Knife Company. (See Evens, Charles S., assignor.)
New York Lens Company. (See Allen, Clile C., assignor.)
New York Revolving Portable Elevator Company. (See Boehck, William E., assignor.)
New York Revolving Portable Elevator Company. (See Germond, Henry S., Jr., assignor.)
New York Signal Co. (See Benitoa, Felix J., assignor.)
Newark Engineering and Refrigerating Co. (See Zisch, George J., assignor.)
Newark Gear Cutting Machine Co. (See Eberhardt, Henry E., assignor.)
Newark Wire Cloth Company. (See Campbell, John C., assignor.)
Newberry, Roy D., Bronte, Tex. Shock-absorber for bicycles and motor-cycles. No. 1,275,460; Aug. 13; v. 253; p. 338.
Newberry, Spencer B., Cleveland, Ohio. Refractory-furnace lining and making. No. 1,267,686; May 28; v. 250; p. 865.
Newbigin, Henry T., Newcastle-upon-Tyne, England. Film-lubricated thrust and journal bearing. No. 1,275,079; Aug. 6; v. 253; p. 209.
Newbigin, Henry T., Newcastle-upon-Tyne, England. Multicollar thrust-bearing. No. 1,289,879; Dec. 31; v. 257; p. 1026.
Newburn, Theodore W., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure recorder. No. 1,274,189; July 30; v. 252; p. 1078.
Newbury, Herbert A., White Swan, Wash. Table. No. 1,253,083; Jan. 8; v. 246; p. 511.
Newby, Harry A. (See Dunlap, Theodore M., assignor.)
Newcomb, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vacuum regulation for rectifiers. No. 1,251,562; Jan. 1; v. 246; p. 35.
Newcomb, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Seal. No. 1,266,614; May 21; v. 250; p. 541.
Newcomb, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric welding. No. 1,270,860; July 2; v. 252; p. 30.
Newcomb, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Metallic joint and making the same. No. 1,272,700; July 16; v. 252; p. 608.
Newcomb, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lightning-arrester. No. 1,289,521; Dec. 31; v. 257; p. 938.
Newcombe, Alfred W., Revere, Mass. Game apparatus. No. 1,258,931; Mar. 12; v. 248; p. 324.
Newcombe, Alfred W., Revere, Mass. Game apparatus. No. 1,258,932; Mar. 12; v. 248; p. 324.
Newcomb, Robert E., Holyoke, Mass. Electrically-operated device to produce fluid motion. No. 1,287,078; Dec. 10; v. 257; p. 254.
Newdall, Axel, Minneapolis, Minn. Hair-curler. No. 1,280,281; Oct. 1; v. 255; p. 46.
Newdick, Norton A., Columbus, Ohio, assignor to J. E. Jones, Switchback, W. Va. Mine-working machine. No. 1,278,196; Sept. 10; v. 253; p. 260.
Newell, Alexander F. (See Hoyle and Hart, assignors.)
Newell, Alfred L., Prestbury, England. Scale, rule, and like measure of length. No. 1,273,086; July 16; v. 252; p. 714.
Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft-gear. No. 1,255,916; Feb. 12; v. 247; p. 272.
Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft-gear. No. 1,280,282; Oct. 1; v. 255; p. 46.
Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft-gear. No. 1,281,638; Oct. 15; v. 255; p. 475.
Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft-gear. No. 1,286,724; Dec. 3; v. 257; p. 129.
Newell, George G. (See Crouse and Newell.)
Newell, Henry G., Le Raysville, Pa. Battery-saver for telephones. No. 1,253,084; Jan. 8; v. 246; p. 512.
Newell, Hugh T., Pittsburgh, Pa., assignor to Chowning Regulator Corporation, Elmira, N. Y. Means for automatically regulating the blast components of producers. No. 1,267,443; May 28; v. 250; p. 798.
Newell, J. J. (See Schwimmer, Oscar, assignor.)
Newell, Wallace L., Seattle, Wash. Cargo-handling device. No. 1,257,732; Feb. 26; v. 247; p. 879.
Newforth, Frank, Jr., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,256,817; Feb. 19; v. 247; p. 574.
Newforth, Frank, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,287,079; Dec. 10; v. 257; p. 254.
Newgass, George W., New York, N. Y. Frame for fabric screens. No. 1,277,248; Aug. 27; v. 253; p. 896.
Newhall, Henry B. (See Pleister, Henry W., assignor.)
Newhall, Walter S., assignor to The Walter S. Newhall Company, Cleveland, Ohio. Thawing apparatus. No. 1,277,996; Sept. 3; v. 254; p. 182.
Newhall, Henry B., Jr., executor. (See Pleister, Henry W., assignor.)
Newhall, Henry B., Jr., Plainfield, N. J. Hoisting mechanism. No. 1,288,137; Dec. 17; v. 257; p. 549.
Newham, Arthur, assignor to Canadian Vincent Valve Company Limited, Victoria, British Columbia, Canada. Valve. No. 1,281,814; Oct. 15; v. 255; p. 524.
Newhard, Franklin H. D., Catasauqua, Pa. Resilient wheel. No. 1,274,311; July 30; v. 252; p. 1111.

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Newhouse, Alphonse, San Francisco, Cal. Blade-sharpener. No. 1,271,930; July 9; v. 252; p. 362.
Newhouse, Ray C., Milwaukee, Wis. Projecting moving pictures. No. 1,262,590; Apr. 9; v. 249; p. 480.
Newhouse, Ray C., Wauwatosa, Wis., assignor to Allis-Chalmers Company. System of control. No. 1,279,748; Sept. 24; v. 254; p. 735.
Newhouse, William D. (See Maiden, Schindler, and Newhouse.)
Newland, David J. (See Elderkin, James K., Jr., assignor.)
Newland, Grant, assignor of one-half to C. Pattat, Truesdale, Iowa. Operating mechanism for pounder washing-machines. No. 1,279,577; Sept. 24; v. 254; p. 686.
Newlander, Olaf, Bridgeport, Conn. Gear-cutting machine. No. 1,269,493; June 11; v. 251; p. 417.
Newlun, Grover C., Colville, Wash. Waste-gas-collecting device. No. 1,277,997; Sept. 3; v. 254; p. 182.
Newman, A. R. (See Fisher, Aubrey H., assignor.)
Newman, Albert B., Langeloth, Pa., assignor to Metallurgical Company of America, New York, N. Y. Roasting ores. No. 1,280,283; Oct. 1; v. 255; p. 47.
Newman, August D., Cangai, New South Wales, Australia. Sliding bolt. No. 1,287,080; Dec. 10; v. 257; p. 255.
Newman Clock Company. (See Healy, Ellis C., assignor.)
Newman, Harold J. (See Newman, Milton G. and H. J.)
Newman, Isador, New York, N. Y. Tool for capping cans. No. 1,266,519; May 14; v. 250; p. 482.
Newman, Max G., Lanesboro, Mass., assignor to General Electric Company. Method of and means for measuring voltages. No. 1,254,620; Jan. 22; v. 246; p. 1003.
Newman, Milton G. and H. J., Huron, S. D. Engine-valve. No. 1,252,155; Jan. 1; v. 246; p. 208.
Newman, Oliver, Madrid, Iowa. Molding device. No. 1,268,046; May 28; v. 250; p. 966.
Newman, Reuben, New York, N. Y. Means for developing films. No. 1,256,247; Feb. 12; v. 247; p. 972.
Newman, Reuben, New York, N. Y. Means for developing films. No. 1,277,462; Sept. 3; v. 254; p. 36.
Newman, Rutledge H., Chicago, Ill. Fruit-knife. No. 1,261,954, Apr. 9; v. 249; p. 303.
Newman, Samuel J., assignor to I. Newman & Sons, New Haven, Conn. Front-lace corset. No. 1,256,358; Feb. 12; v. 247; p. 405.
Newman & Sons, I. (See Newman, Samuel J., assignor.)
Newman, William J., Chicago, Ill. Dump-wagon. No. 1,262,238; Apr. 9; v. 249; p. 381.
Newman, William J., Chicago, Ill. Float for autotrucks. No. 1,289,880; Dec. 31; v. 257; p. 1026.
Newman, William L., Jr., *et al.* (See Nagel, George W., assignor.)
Newmann, John, New York, N. Y. Ball-bearing. No. 1,266,145; May 14; v. 250; p. 381.
Newmann, John, New York, N. Y. Multiple-row ball-bearing. No. 1,266,146; May 14; v. 250; p. 382.
Newmann, John, New York, N. Y. Ball-bearing. No. 1,261,154; Apr. 2; v. 249; p. 46.
Newmann, John, New York, N. Y. Double-row ball-bearing. No. 1,263,594; Apr. 23; v. 249; p. 811.
Newport, Vernon A., Dayton, Pa. Railway-joint. No. 1,270,968; July 2; v. 252; p. 62.
Newsam, Richard, Peoria Heights, Ill. Window-latch. No. 1,261,274; Apr. 2; v. 249; p. 80.
Newsom, Edward C., and C. E. Beach, Jacksonville, Fla. Combined burglar and fire alarm. No. 1,258,933; Mar. 12; v. 248; p. 325.
Newsom, Horace H., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Punch and shear press. No. 1,289,522; Dec. 31; v. 257; p. 939.
Newsom, John B. (See Newsom, John F. and J. B.)
Newsom, John D., Detroit, Mich. Carbureter. No. 1,285,329; Nov. 19; v. 256; p. 554.
Newsom, John F. and J. B., Palo Alto, Cal. Protective caisson for ships. No. 1,270,544; June 25; v. 251; p. 762.
Newsom, John W., Graham, Tex. Clothes-pin. No. 1,277,338; Aug. 27; v. 253; p. 919.
Newsom, Joseph N., assignor to Newsom Valve Company, St. Louis, Mo. Pneumatic valve. No. 1,262,239; Apr. 9; v. 249; p. 382.
Newson, Orland C., Panama City, Fla. Garment-supporter. No. 1,281,059; Oct. 8; v. 255; p. 286.
Newsom Valve Company. (See Newsom, Joseph N., assignor.)
Newspaper Stuffing Machines Company, The. (See Halvorsen, Severin, assignor.)
Newton, Alfred J., and S. M. Furnald, assignors to Eastman Kodak Company, Rochester, N. Y. Testing device. No. 1,258,636; Mar. 5; v. 248; p. 202.
Newton, Earl W., Chicago, Ill. Lens for automobile-headlights. No. 1,263,696; Apr. 23; v. 249; p. 838.
Newton, Earle R., assignor to International Curtis Marine Turbine Company, New York, N. Y. Elastic-fluid turbine. No. 1,268,272; June 4; v. 251; p. 57.
Newton, Earle R., Nyack, assignor to International Curtis Marine Turbine Company, New York, N. Y. Steam-turbine. No. 1,287,603; Dec. 10; v. 257; p. 384.
Newton, Edward C., Marysville, Cal. Automatic spark-advancer. No. 1,257,630; Feb. 26; v. 247; p. 849.
Newton, Frank N., Kansas City, Mo. Water-wheel. No. 1,258,038; Mar. 5; v. 248; p. 26.
Newton, George F., Independence, assignor to W. M. Bunting, Kansas City, Mo. Tightener for form-clamps. No. 1,255,210; Feb. 5; v. 247; p. 28.
Newton, George F., Kansas City, Kans., assignor, by mesne assignments, to Universal Form Clamp Company, Chicago, Ill. Collar-adjusting clamp. No. 1,275,461; Aug. 13; v. 253; p. 339.
Newton, Herbert B. (See Sawyer, Howard D., assignor.)
Newton, James, assignor, by mesne assignments, to J. L. Whitehurst, Baltimore, Md. Measuring and filling machine. No. 1,262,380; Apr. 9; v. 249; p. 421.
Newton, John E., assignor of one-half to J. Pinkerton, Grand Marais, Minn. Nut-lock. No. 1,254,929; Jan. 29; v. 246; p. 1125.
Newton Manufacturing Company. (See Newton, William J., assignor.)
Newton, Richard T., Nutley, N. J. Automobile-buffer. No. 1,257,380; Feb. 26; v. 247; p. 774.
Newton, Richard T., Nutley, N. J. Vehicle. No. 1,273,087; July 16; v. 252; p. 715.
Newton, Richard T., Nutley, N. J. Lifting-jack. No. 1,276,796; Aug. 27; v. 253; p. 777.
Newton, Richard T., New York, N. Y. Steering-wheel. No. 1,276,797; Aug. 27; v. 253; p. 777.
Newton, Richard T., New York, N. Y. Shock-eliminator. No. 1,279,482; Sept. 17; v. 254; p. 636.
Newton, Thomas H. (See Cohn and Newton.)
Newton, William J., assignor to Newton Manufacturing Company, Lynbrook, N. Y. Supporting means for electric switches. No. 1,264,546; Apr. 30; v. 249; p. 1107.
Newton, William J., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Adjuster for electrical attachments. No. 1,275,725; Aug. 13; v. 253; p. 412.
Newton, William J., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Surface toggle-switch. No. 1,275,726; Aug. 13; v. 253; p. 412.
Neyer, Joseph, Jr. (See Bell, Earl R., assignor.)
Niagara Alkali Company. (See MacMillan, John R., assignor.)
Niagara Electric Improvement Corporation. (See Downing and Nicholson, assignors.)
Niagara Oil Burner Company. (See Pattison, Albert W., assignor.)
Niagara Sprayer Company. (See Decker, Frederick J., assignor.)
Nias, Henry, assignor to Public Service Cup Company, Brooklyn, N. Y. Cup-dispenser. No. 1,260,432; Mar. 26; v. 248; p. 819.
Nias, Henry, assignor to Public Service Cup Company, Brooklyn, N. Y. Cup-dispenser. No. 1,272,701; July 16; v. 252; p. 608.
Niblack, Hobart C., Rochester, N. Y., assignor to E. L. Miller, Cincinnati, Ohio. Sound-reproducing machine. No. 1,282,916; Oct. 29; v. 255; p. 891.
Nicholas, Askin M., Torrington, Bismuth, via Deepwater, New South Wales, Australia. Separating liquids from solids. No. 1,268,273; June 4; v. 251; p. 58.
Nicholas, Askin M., Torrington, Bismuth, via Deepwater, New South Wales, Australia. Apparatus for separating liquids from solids. No. 1,268,274; June 4; v. 251; p. 58.
Nicholas Copper Company. (See Stout, Harry H., assignor.)
Nicholas Power Company. (See Avers, Franklin H., assignor.) (Reissue.)
Nicholas Power Company. (See Power, Nicholas, assignor.)
Nicholas, William, Southport, Conn., assignor, by mesne assignments, to United States Graphotype Company. Type-body. No. 1,264,964; May 7; v. 250; p. 25.
Nicholas, William, New York, and W. Ackerman, Larchmont, N. Y., assignors, by mesne assignments, to United States Graphotype Company. Line-pushing means for type casting and composing machines. No. 1,271,206; July 2; v. 252; p. 129.
Nicholas, William, New York, and W. Ackerman, Larchmont, N. Y., assignors, by mesne assignments, to United States Graphotype Company. Canceling means for type casting and composing machines. No. 1,279,897; Sept. 24; v. 254; p. 779.
Nicholls, William H., assignor to Wm. H. Nicholls Co., Inc., Brooklyn, N. Y. Molding-machine. No. 1,277,745; Sept. 3; v. 254; p. 115.
Nicholls, John, Globe, Ariz. Ore-screen. No. 1,282,108; Oct. 22; v. 255; p. 642.
Nichols, Aaron S., New York, N. Y. Lumber-sticking apparatus. No. 1,283,871; Nov. 5; v. 256; p. 115.
Nichols, Andrew D., Harlowton, Mont. Vacuum-eraser. No. 1,283,269; Oct. 29; v. 255; p. 985.
Nichols, Charles S., Broadwater, Nebr. Band-cutter and feeder for threshing-machines. No. 1,260,014; Mar. 19; v. 248; p. 667.
Nichols, Charles S. G., Kansas City, Mo. Flexible puncture-proof material. No. 1,284,429; Nov. 12; v. 256; p. 289.
Nichols, Clarence H., *et al.* (See Norman, Frank, assignor.)
Nichols, Clarence H., *et al.* (See Thompson, George W., assignor.)
Nichols Copper Company. (See Rudolf, Ferdinand A., assignor.)

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Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Hand grading-machine for leather. No. 1,278,722; Sept. 10; v. 254; p. 402.
Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Leather evening and grading machine. No. 1,281,639; Oct. 15; v. 255; p. 475.
Nichols, Harold W., Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company. Low-frequency-signal repeater. No. 1,257,381; Feb. 26; v. 247; p. 774.
Nichols, James S., Atlanta, Ga. Steam-superheater. No. 1,275,080; Aug. 6; v. 253; p. 209.
Nichols, James S., Atlanta, Ga. Steam-superheater. No. 1,275,081; Aug. 6; v. 253; p. 209.
Nichols, John C., assignor to John C. Nichols Harness Mfg. Company, Sheboygan, Wis. Horse-collar pad. No. 1,258,435; Mar. 5; v. 248; p. 142.
Nichols, John C., West Liberty, Iowa. Stock-feeding trough. No. 1,269,108; June 11; v. 251; p. 311.
Nichols, Joseph R., Seattle, Wash. Device for locking motor-vehicles. No. 1,267,687; May 28; v. 250; p. 865.
Nicholas, Robert G., Clyde, Kans. Toy gun. No. 1,287,401; Dec. 10; v. 257; p. 336.
Nichols, Robert P. (See Pietzsch and Nichols.)
Nichols, Thomas W., Durham, England. Distributing and cut-off valve of fluid-pressure motors. No. 1,286,725; Dec. 3; v. 257; p. 130.
Nichols, Wallace W., *et al.* (See Wade and Billado, assignors.)
Nichols, Wesley G., Chicago Heights, Ill., assignor to American Manganese Steel Company, Augusta, Me. Dipper-tooth. No. 1,275,589; Aug. 13; v. 353; p. 373.
Nichols, William A. (See Butler and Nichols.)
Nichols, William F., Chicago, Ill. Globe-guard support. No. 1,267,444; May 28; v. 250; p. 798.
Nicholson, Arthur D., and W. T. Lowery, Fredericksburg, Va. Dispensing apparatus. No. 1,260,433; Mar. 26; v. 248; p. 819.
Nicholson, Frank H. (See Gilson and Nicholson.)
Nicholson, Frank H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Recording mechanism for railway-traffic-controlling apparatus. No. 1,256,723; Feb. 19; v. 247; p. 547.
Nicholson, George R., Croft-upon-Tees, England. Siphon. No. 1,274,578; Aug. 6; v. 253; p. 68.
Nicholson, John, Houston, Tex. Hydrocarbon-burner. No. 1,280,073; Sept. 24; v. 254; p. 827.
Nicholson, Lloyd C. (See Downing and Nicholson.)
Nicholson, Lloyd C., Buffalo, N. Y. Overload definite-time-limit relay. No. 1,277,249; Aug. 27; v. 253; p. 896.
Nichoson, Elmer, Detroit, Mich., assignor of twenty one-hundredths to A. F. Chubbuck and forty one-hundredths to R. Munn. Multicolor inking apparatus. No. 1,264,426; Apr. 30; v. 249; p. 1074.
Nickel, Fredrick, New York, N. Y., assignor to Springmeyer, Pattberg & Co., Hoboken, N. J. Purse. No. 1,264,547; Apr. 30; v. 249; p. 1107.
Nickel Concentration Limited. (See Annable, Henry W. C., assignor.)
Nickerson Art Metal Company. (See Smith, Harry W., assignor.)
Nickerson, Alma N., Stoneham, assignor to J. H. McNeil, Saugus, Mass. Engine. No. 1,260,939; Mar. 26; v. 248; p. 963.
Nickerson, Charles F., Reading, Mass. Protector for pneumatic tires. No. 1,253,273; Jan. 15; v. 246; p. 595.
Nickerson, Victor H., Cotuit, Mass. Cartridge for cleaning well-strainers. No. 1,275,462; Aug. 13; v. 253; p. 339.
Nickerson, William E., Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade-handling apparatus. No. 1,255,917; Feb. 12; v. 247; p. 272.
Nickerson, William E., Cambridge, Mass. Stacking-machine. No. 1,283,873; Nov. 5; v. 256; p. 115.
Nickerson, William E., Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade-holding mechanism for blade-sharpening machines. No. 1,280,284; Oct. 1; v. 255; p. 47.
Nickerson, William E., Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade-stropping device. No. 1,283,872; Nov. 5; v. 256; p. 115.
Nickey, Harrison C., Hartford City, Ind. Wagon. No. 1,273,906; July 30; v. 252; p. 999.
Nickle, Frank H., Detroit, Mich. Can-filling machine. No. 1,266,706; May 21; v. 250; p. 566.
Nickle, Frank H., Midland, Mich. Electrolytic cell. No. 1,278,723; Sept. 10; v. 254; p. 402.
Nickle, Frank H., Saginaw, Mich. Electrolytic cell. No. 1,278,724; Sept. 10; v. 254; p. 402.
Nickmann, Karl, Choteau, Mont. Load-binder. No. 1,282,917; Oct. 29; v. 255; p. 891.
Nickonow, John P., Bridgeport, Conn. Inclinometer and accelerometer. No. 1,285,331; Nov. 19; v. 256; p. 555.
Nicks, Joseph B., Columbia, Tenn. Grave-filling device. No. 1,278,725; Sept. 10; v. 254; p. 402.
Nickum, George S., Glendale, Cal. Variable reversible shaft-drive. No. 1,271,207; July 2; v. 252; p. 129.
Nicodemus, Wilmer C. (See Fear, Naldrett, and Nicodemus.)
Nicol, David S., assignor to The Shawinigan Water & Power Company, Montreal, Quebec, Canada. Insulator-clamp. No. 1,266,615; May 21; v. 250; p. 541.
Nicol, Norman C., Brooklyn, N. Y., assignor to The Berbecker & Rowland Mfg. Co., Waterville, Conn. Support. No. 1,281,060; Oct. 8; v. 255; p. 286.
Nicol, Norman C., Buffalo, N. Y., assignor to The Berbecker & Rowland Mfg. Co., Waterville, Conn. Support. No. 1,281,061; Oct. 8; v. 255; p. 286.
Nicolaysen, Oluf K., Minneapolis, Minn. Explosive-engine. No. 1,264,548; Apr. 30; v. 249; p. 1108.
Nicole, Paul, Lausanne, Switzerland. Instrument for dividing lengths according to the golden section. No. 1,268,756; June 4; v. 251; p. 194.
Nicoll, Norman G., New York, N. Y. Massage-vibrator. No. 1,279,138; Sept. 17; v. 254; p. 542.
Nicolescu, Tanasie, Detroit, Mich. Gage. No. 1,262,830; Apr. 16; v. 249; p. 577.
Nicoll, William B., Fort William, Ontario, Canada. Article-holding attachment for the arm. No. 1,274,312; July 30; v. 252; p. 1112.
Nicoll, William R. (See McLaughlin and Nicoll.)
Nicoll, William R., Owatonna, Minn., assignor to David Watkins Dairyman's Manufacturing Company. Butter-printer. No. 1,268,600; June 4; v. 251; p. 151.
Nicoll, William R., Owatonna, Minn., assignor, by mesne assignments, to Davis-Watkins Dairymen's Manufacturing Company. Combined faucet and strainer. No. 1,275,463; Aug. 13; v. 253; p. 339.
Nicoll, William R., Owatonna, Minn., assignor to Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill. Butter-making machine. No. 1,275,978; Aug. 13; v. 253; p. 482.
Nicoll, William R., Jr., Owatonna, Minn., assignor to Davis-Watkins Dairymen's Manufacturing Company, North Chicago, Ill. Ripener and pasteurizer. No. 1,285,330; Nov. 19; v. 256; p. 555.
Nicolle, Auguste, Lyon, France. String for musical instruments. No. 1,277,744; Sept. 3; v. 254; p. 115.
Nicolle, Frank, assignor to Salisbury & Satterlee Co., Minneapolis, Minn. Child's crib. No. 1,276,947; Aug. 27; v. 253; p. 816.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Western Electric Company. System for the successive amplification of energies. No. 1,255,211; Feb. 5; v. 247; p. 28.
Nicolson, Alexander M., assignor, by mesne assignments, to American Telephone & Telegraph Company, New York, N. Y. Thermionic repeater. (Reissue.) No. 14,572; Dec. 17; v. 257; p. 627.
Nicoson, Lemuel C., Alexandria, Ind. Adjustable automobile-holder. No. 1,288,138; Dec. 17; v. 257; p. 549.
Nieberding, Frank A., Cleveland, Ohio. Hydrocarbon-burner. No. 1,263,274; Apr. 16; v. 249; p. 701.
Niebling, Joseph, Woodcliff Lake, N. J. Fastener for file-binders. No. 1,268,757; June 4; v. 251; p. 194.
Nieć, Michal, assignor of one-half to J. Kolaczynski, St. Catharines, Ontario, Canada. Water-skate. No. 1,275,727; Aug. 13; v. 253; p. 413.
Nield, Samuel, *et al.*, executors. (See Drew, Arthur.)
Niéll, Magnus, Stockholm, Sweden. Camera. No. 1,258,436; Mar. 5; v. 248; p. 142.
Niéll, Magnus, Stockholm, Sweden. Compasses. No. 1,275,979; Aug. 13; v. 253; p. 483.
Nielsen, Aage W., Chicago, Ill. Combined measuring and filling apparatus. No. 1,271,749; July 9; v. 252; p. 312.
Nielsen, Carl. (See Burdick and Nielsen.)
Nielsen, Carl I. (See Lyons, Morris, and Nielsen.)
Nielsen, Carl W., Calgary, Alberta, Canada. Toy. No. 1,289,523; Dec. 31; v. 257; p. 939.
Nielsen, Henry O., Elko, Nev. Permutation-padlock. No. 1,257,013; Feb. 19; v. 247; p. 634.
Nielsen, Jens P. and K. K., Chicago, Ill.; said K. K. Nielsen assignor to said Jens P. Neilsen. Paper-clip. No. 1,257,631; Feb. 26; v. 247; p. 849.
Nielsen, Karl K. (See Nielsen, Jens P. and K. K.)
Nielsen, Niels D., Elyria, Ohio. Agitator. No. 1,268,601; June 4; v. 251; p. 152.
Nielsen, Niels D., Elyria, Ohio. Agitating means. No. 1,268,602; June 4; v. 251; p. 152.
Nielsen, Niels D., Elyria, Ohio. Treating milk. No. 1,274,748; Aug. 6; v. 253; p. 116.
Nielsen, Niels D., Elyria, Ohio. Treating milk and the like. No. 1,274,750; Aug. 6; v. 253; p. 117.
Nielsen, Niels D., Elyria, Ohio. Mixing or stirring means. No. 1,276,254; Aug. 20; v. 253; p. 590.
Nielsen, Theodor Lundeljerggaard, Sönder-Bjerre, Denmark. Beet-harvesting machine. No. 1,272,986; July 16; v. 252; p. 688.
Nielsen, Thomas H., Wyoming, Del. Radiator-dome for pipeless heaters. No. 1,280,817; Oct. 8; v. 255; p. 222.
Nielsen, Thomas H., Wyoming, Del. Tire-pump. No. 1,288,966; Dec. 24; v. 257; p. 776.
Nielson, John D., Lyndhurst, N. J. Game apparatus. No. 1,269,494; June 11; v. 251; p. 417.
Nielson, Niels C., Cleveland, Ohio. Oil-signal for automobile-engines. No. 1,284,920; Nov. 12; v. 256; p. 412.
Nieman, Herman, Chicago, Ill. Washing-machine. No. 1,279,139; Sept. 17; v. 254; p. 542.
Niemann and Company. (See Niemann, Frederick A., assignor.)

Alphabetical list of patentees—Continued.

Niemann, Frederick A., assignor to Niemann and Company, Chicago, Ill. Change-making machine. No. 1,253,515; Jan. 15; v. 246; p. 667.
Niemi, Isaac, assignor of one-fourth to J. F. Maki, Chatham, Mich. Multiple horse holder and releaser. No. 1,267,582; May 28; v. 250; p. 837.
Niemi, Isaac, assignor of one-half to A. Salmi, Eben Junction, Mich. Rail-tie. No. 1,271,516; July 2; v. 252; p. 213.
Niemiec, Joseph, Newark, N. J., assignor of one-half to J. Trendel, Hamtramck, Mich. Life-saving suit. No. 1,257,014; Feb. 19; v. 247; p. 634.
Niemiec, Joseph, Newark, N. J. Automatic railway-gate. No. 1,261,275; Apr. 2; v. 249; p. 80.
Niemoth, Theodore, Estherville, Iowa. Weeding device. No. 1,277,998; Sept. 3; v. 254; p. 182.
Nienow, Otto J., Merrill, Wis. Antiskidding device for vehicle-wheels. No. 1,256,033; Feb. 12; v. 247; p. 306.
Niermeyer, Henry W. (See Pangborn and Niermeyer.)
Nies, Frederick H., Brooklyn, N. Y. Dental dam-holder. No. 1,287,733; Dec. 17; v. 257; p. 449.
Nies, John D., St. Charles, assignor to Kimble Electric Company, Chicago, Ill. Contact-arm for voltage-regulators. No. 1,285,786; Nov. 26; v. 256; p. 709.
Nies, Joseph C., Newark, Ohio. Electric-sign reflector. No. 1,288,653; Dec. 24; v. 257; p. 702.
Nigh, Omar I., Washington, D. C. Electric-lighting system and control. No. 1,269,954; June 18; v. 251; p. 575.
Nigh, Omar I., Washington, D. C. Elevator safety device. No. 1,278,726; Sept. 10; v. 254; p. 402.
Nihart, Frank B., assignor of nine-tenths to E. L. Harper and E. B. Overton, Bay Minette, Ala. Stationery-holder. No. 1,273,398; July 23; v. 252; p. 824.
Niissle, Charles J., Brady, Tex. Signaling device for automobiles. No. 1,270,434; June 25; v. 251; p. 731.
Nikas, Peter D., Washington, D. C. Safety device for gas-pipes. No. 1,267,107; May 21; v. 250; p. 678.
Nikolow, George, New York, N. Y. Device for coring apples. No. 1,268,758; June 4; v. 251; p. 194.
Nikolow, George, New York, N. Y., assignor to E. C. Lawler. Apple-coring device. No. 1,284,132; Nov. 5; v. 256; p. 184.
Nikonow, John P., Dayton, Ohio. Electric welding apparatus. No. 1,264,326; Apr. 30; v. 249; p. 1045.
Nikonow, John P., Baltimore, Md. Electric welding apparatus. No. 1,280,818; Oct. 8; v. 255; p. 222.
Nikonow, John P., Baltimore, Md. Monkey-wrench. No. 1,284,921; Nov. 12; v. 256; p. 412.
Nile, Herbert J., Rough and Ready, Cal. Protective covering for glass panes. No. 1,256,818; Feb. 19; v. 247; p. 575.
Niles-Bement-Pond Company. (See Foster, Walter, assignor.)
Niles-Bement-Pond Company, assignee. (See Keefer, Samuel H.) (Reissue.)
Niles, Bert, Tyre, Mich. Break-detector for binders. No. 1,288,654; Dec. 24; v. 257; p. 702.
Niles, Harry F., assignor of one-third to E. A. Schlick, Chicago, Ill. Valve. No. 1,282,918; Oct. 29; v. 255; p. 891.
Niles, Henry C. (See Malsberger, Harry, assignor.)
Nilson, Andrew, assignor to Nilson Bros., Chicago, Ill. Tool-mounting. No. 1,266,520; May 14; v. 250; p. 483.
Nilson, Andrew, assignor to The Eureka Smokeless Furnace Company, Chicago, Ill. Furnace. No. 1,287,081; Dec. 10; v. 257; p. 255.
Nilson Bros. (See Nilson, Andrew, assignor.)
Nilson, John L., and J. Prince, Chicago, Ill. Pressure-gage. No. 1,274,579; Aug. 6; v. 253; p. 68.
Nilson, Oscar W., Middletown, and F. A. Brassill, Hartford, assignors to Middlesex Machine Works, Middletown, Conn. Grinding-machine. No. 1,266,848; May 21; v. 250; p. 605.
Nilsson, Frans J., Husqvarna, Sweden. Apparatus for casting radiators, sectional boilers and the like. No. 1,256,588; Feb. 19; v. 247; p. 508.
Nilsson, Fritz A., assignor to J. G. Sandwall, Jönköping, Sweden. Two-cylinder and multicylinder internal-combustion engine. No. 1,283,270; Oct. 29; v. 255; p. 968.
Nimchek, Frank, Benbush, W. Va. Grass-cutter. No. 1,277,105; Aug. 27; v. 253; p. 859.
Nimmer, Edward W., Milwaukee, Wis. Combination medicine-spoon. No. 1,277,635; Sept. 3; v. 254; p. 85.
Nirdlinger, Albert P. (See Davis and Nirdlinger.) (Reissue.)
Nishi, Chotoku, San Francisco, Cal. Removable-bridge attachment. No. 1,288,655; Dec. 24; v. 257; p. 702.
Nissenson, George, New York, N. Y. Elevator safety device. No. 1,262,831; Apr. 16; v. 249; p. 577.
Nissenson, George, New York, N. Y. Elevator safety device. No. 1,262,832; Apr. 16; v. 249; p. 577.
Nist, William J., and W. G. Ertel, Pittsburgh, Pa. Spring-wheel. No. 1,274,190; July 30; v. 252; p. 1078.
Niswander, John L., Quincy, Ill. Demountable-rim remover. No. 1,274,751; Aug. 6; v. 253; p. 117.
Nitchie, Charles C., Depue, Ill., assignor to The New Jersey Zinc Company, New York, N. Y. Extracting metals from their ores, &c. No. 1,258,934; Mar. 12; v. 248; p. 325.
Nittner, Rudolph, New York, N. Y. Torpedo-protective device for vessels. No. 1,280,525; Oct. 1; v. 255; p. 114.
Nitz, Charles G. W., Wauwatosa, Wis. Candy-puller. No. 1,278,197; Sept. 10; v. 254; p. 260.
Nitz, Charles G. W., Wauwatosa, Wis. Self-cleaning needle-valve. No. 1,289,234; Dec. 31; v. 257; p. 866.
Nivison-Weiskopf Company, The. (See Curtis, Edma H., Jr., assignor.)
Nix, John D., Philadelphia, Pa. Shuttle. No. 1,268,759; June 4; v. 251; p. 194.
Nixon, Benjamin F., and J. Sayels, Winnipeg, Canada. Drinking-water apparatus for railway-trains. No. 1,268,603; June 4; v. 251; p. 153.
Nixon, Charles H., Detroit, Mich. Adjustable hinge. No. 1,265,363; May 7; v. 250; p. 135.
Nixon, George R., Pittsfield, Mass. Emergency gas-valve. No. 1,279,898; Sept. 24; v. 254; p. 779.
Nixon, Gertrude B., Bryn Mawr, and H. L. Morris, Wayne, Pa. Combined circuit-breaker and alarm-switch. No. 1,280,522; Oct. 1; v. 255; p. 113.
Nixon, John S., Racine, Wis. Window for automobiles. No. 1,288,139; Dec. 17; v. 257; p. 550.
Nixon, Miles G., Chicago, Ill., and O. Smith, Bridgeton, N. J. Filing-case for disk-records. No. 1,274,191; July 30; v. 252; p. 1079.
Nixon, Willard D., Jr., Cincinnati, Ohio. Safety stop or bumper for railway-cars. No. 1,252,607; Jan. 8; v. 246; p. 371.
Nixson, Edwin J., assignor of one-half to F. M. Nixson and one-half to J. C. Johnson, Los Angeles, Cal. Aviator's goggles. No. 1,288,140; Dec. 17; v. 257; p. 550.
Nixson, Florence M., *et al.* (See Nixson, Edwin J., assignor.)
Niznik, Paul, Binghamton, N. Y. Portable barrier. No. 1,276,100; Aug. 20; v. 253; p. 548.
Noack, Peter A., Guttenberg, Iowa. Threshing-machine. No. 1,269,109; June 11; v. 251; p. 311.
Noack, Walter G., Stockton, assignor to Tractor Motors Company, Benicia, Cal. Speed-responsive device. No. 1,257,918; Feb. 26; v. 247; p. 932.
Noack, Walter G., Stockton, assignor to Tractor Motors Company, Benicia, Cal. Valve-actuating rocker-arm for internal-combustion engines. No. 1,278,195; Sept. 10; v. 254; p. 260.
Noah, Robert S., Annapolis, assignor to H. B. Reinhardt, trustee, Roland Park, Md. Hull for submarine vessels. No. 1,264,965; May 7; v. 250; p. 26.
Noakes, Clifton F., Hilisdale, Oreg. Turbine hydrogas-motor. No. 1,260,015; Mar. 19; v. 248; p. 667.
Noakes, Robert J., assignor of one-half to G. J. Sheppard, Montreal, Quebec, Canada. Pipe-coupling. No. 1,273,174; July 23; v. 252; p. 765.
Noakes, William T., Mount Ida, Ark. Farm-gate. No. 1,261,597; Apr. 2; v. 249; p. 172.
Nobel's Explosives Company Limited. (See Nathan, Rintoul, and Baker, assignors.)
Nobis, Pawel, Brooklyn, N. Y. Ship-protector plate. No. 1,288,967; Dec. 24; v. 257; p. 777.
Noble, Elmer E., York, Pa. Chain-lock. No. 1,261,052; Apr. 2; v. 249; p. 18.
Noble, Edward J., Hartford, Conn. Process and apparatus for making shell-casings. No. 1,286,726; Dec. 3; v. 257; p. 130.
Noble, Guy L., assignor to Armour and Company, Chicago, Ill. Activated-sludge treatment. No. 1,254,841; Jan. 29; v. 246; p. 1099.
Noble Heater Company, The. (See Bartholomew, Gilbert A., assignor.)
Noble, Ralph E., assignor to Morgan-Gardner Electric Company, Chicago, Ill. Mining-machine. No. 1,285,332; Nov. 19; v. 256; p. 555.
Noble, Roy E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,266,978; May 21; v. 250; p. 642.
Noble, Thomas E., Yale, Okla. Earth-boring tool. No. 1,271,750; July 9; v. 252; p. 313.
Noble, William C., and B. W. Corson, Richmond, Va. Sectional barrel. No. 1,278,495; Sept. 10; v. 254; p. 339.
Nobriga, Roberto A. (See Valenzuela, Alberto, assignor.)
Noce, Pascal, San Francisco, Cal. Sanitary syruper and filler. No. 1,262,381; Apr. 9; v. 249; p. 422.
Nock, Leo F. (See Pack and Nock.)
Nodsle, John O., Maplewood, Minn. Automatic vehicle-brake. No. 1,289,881; Dec. 31; v. 257; p. 1026.
Noel, John S., Grand Rapids, Mich. Acetylene-generator. No. 1,282,919; Oct. 29; v. 255; p. 892.
Noel, Joseph M., Portage, Pa. Gasolene-tank filler. No. 1,281,815; Oct. 15; v. 255; p. 524.
Noel, Sidney A. H., Penarth, England. Reversible steam-turbine. No. 1,285,333; Nov. 19; v. 256; p. 555.
Noel, William. (See Myers, Melvin A., assignor.)
Nogrady, An Dor T., Wichita, Kans. Differential gearing. No. 1,262,833; Apr. 16; v. 249; p. 578.
Noiseless Typewriter Company, The. (See Anderson, Nils H., assignor.)
Noiseless Typewriter Company, The. (See Going, George G., assignor.)
Noiseless Typewriter Company, The (See Sheehan, Edward J., assignor.)
Nokes, Charles M. (See Janney and Nokes.)

Nolan, Edmund, Detroit, Mich., assignor to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,283,271; Oct. 29; v. 255; p. 986.
Nolan, Edmund, assignor to Bowen Products Corporation, Detroit, Mich. Priming-cup. No. 1,286,727; Dec. 3; v. 257; p. 130.
Nolan, Edmund, assignor to Bowen Products Corporation, Detroit, Mich. Oil-cup. No. 1,288,141; Dec. 17; v. 257; p. 550.
Nolan, Francis A., St. Paul, Minn. Resilient shoe-heel. No. 1,273,175; July 23; v. 252; p. 765.
Nolan, Frederick T., Jacksonville, Fla. Shaft-packing. No. 1,265,488; May 7; v. 250; p. 169.
Nolan, James A., Bowerston, Ohio. Tilting platform for mine-car dumps. No. 1,254,621; Jan. 22; v. 246; p. 1003.
Nolan, James A., Bowerston, Ohio. Control mechanism for automatic safety mine-car cagers. No. 1,254,622; Jan. 22; v. 246; p. 1003.
Nolan, John A. (See Broline and Nolan.)
Nolan, Michael J., Chicago, Ill. Toilet-box. No. 1,269,207; June 11; v. 251; p. 339.
Nolan. Sarah G., Washington, D. C. Shoe-lace-fastening device. No. 1,265,946; May 14; v. 250; p. 326.
Noland, Claire A., Monroe City, Mo. Invalid elevating and conveying device. No. 1,269,734; June 18; v. 251; p. 515.
Nolde & Horst Co., The. (See Robinson, Frank W., assignor.)
Noll, Ray C., Pleasant Gap, Pa. Tire-chain. No. 1,254,154; Jan. 22; v. 246; p. 869.
Nomura, Hiroshi, Sendai, Japan. Preparing "zingiberone" (methyl 3-methoxy-4-hydroxyphenylethyl ketone). No. 1,263,796; Apr. 23; v. 249; p. 865.
Non-Electric Fan Co. (See Keeley, Harry J., assignor.)
Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Pipe-cutter. No. 1,262,690; Apr. 16; v. 249; p. 537.
Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Pipe-cutter. No. 1,282,619; Oct. 22; v. 255; p. 782.
Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Die-stock. No. 1,285,334; Nov. 19; v. 256; p. 556.
Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Centering device for pipe-working tools. No. 1,285,335; Nov. 19; v. 256; p. 556.
Nonpareil Manufacturing Company. (See Adams, William J., assignor.)
Nonpareil Toy & Novelty Co. (See Kessler, Emil, assignor.)
Non-Refillable and Lock Bottle Corporation. (See Folly, Cornelius A., assignor.)
Non Skid Company of America. (See Bailey, William J. A., assignor.)
Non Skid Company of America. (See Haubner, Robert W., assignor.)
Noonan, Dennis C. (See Porter and Noonan.)
Norberti, Giovanni, Boston, Mass. Aeroplane. No. 1,262,834; Apr. 16; v. 249; p. 578.
Norby, Olaus O., Detroit, Minn. Quack-grass digger. No. 1,268,992; June 11; v. 251; p. 279.
Norcross, William C., Terre Haute, Ind. Combination jolt-ramming and rock-over machine. No. 1,264,427; Apr. 30; v. 249; p. 1074.
Norcross, William C., assignor to American Molding Machine Co., Terre Haute, Ind. Valve for jolt-ramming machines. No. 1,264,428; Apr. 30; v. 249; p. 1074.
Norcross, William C., assignor to American Molding Machine Co., Terre Haute, Ind. Combination jolt-ramming and stripping machine. No. 1,274,752; Aug. 6; v. 253; p. 117.
Nord, Julius. (See Stöpler and Nord.)
Nord, Olaf A., Vavenby, British Columbia, Canada. Camera-carrying case. No. 1,258,437; Mar. 5; v. 248; p. 142.
Nordberg, Carl V., Butte, Mont. Cooling-tower. No. 1,287,402; Dec. 10; v. 257; p. 336.
Nordberg, Ture E., New Sweden, Me. Safe. No. 1,260,700; Mar. 26; v. 248; p. 899.
Nordell, Carl H., Milwaukee, Wis. Air-diffusing apparatus. No. 1,281,816; Oct. 15; v. 255; p. 524.
Norden, James A., South Vancouver, British Columbia, Canada. Culinary article. No. 1,283,272; Oct. 29; v. 255; p. 986.
Norden, Joseph. (See Norden, Mortimer, assignor.)
Norden, Mortimer, assignor of one-half to J. Norden, New York, N. Y. Electric sign. No. 1,274,580; Aug. 6; v. 253; p. 69.
Nordenstam, Carl M., Jr., Bertrand, Nebr. Road-grader. No. 1,256,925; Feb. 19; v. 247; p. 607.
Nordenstam, Carl M., Jr., Bertrand, Nebr. Time-controlled bomb. No. 1,280,074; Sept. 24; v. 254; p. 827.
Nordfors, Conrad. (See Wood and Nordfors.)
Nordfors, Conrad, Jersey City Heights, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Device for casting flat stereotype printing-plates. No. 1,288,142; Dec. 17; v. 257; p. 551.
Nordfors, Conrad, Jersey City Heights, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Metal-delivering pump. No. 1,289,235; Dec. 31; v. 257; p. 866.
Nordgren, Werner M., Charlottenburg, Germany, assignor to General Electric Company. Muffler. No. 1,255,556; Feb. 5; v. 247; p. 129.
Nordgren, Werner M., Charlottenburg, Germany, assignor to General Electric Company. Muffler. (Reissue.) No. 14,469; May 7; v. 259; p. 233.
Nordin, Ernest F., Bayfield, Wis. Hand seed-drill. No. 1,277,999; Sept. 3; v. 254; p. 182.
Nordlund, Seth, Bismarck, N. D. Horseshoe. No. 1,264,121; Apr. 23; v. 249; p. 954.
Nordseth, Halfdan J., assignor to A. Stein & Company, Chicago, Ill. Clasp. No. 1,260,434; Mar. 26; v. 248; p. 820.
Nordstrom, Andrew O., and A. Wahlstrand, Willmar, Minn. Sleeping-hood. No. 1,263,595; Apr. 23; v. 249; p. 812.
Nordstrom, Charles J., Evanston, Ill. Automobile-signal. No. 1,267,790; May 28; v. 250; p. 895.
Nordstrom, Charles J., Evanston, Ill. Window-cleaner. No. 1,282,620; Oct. 22; v. 255; p. 782.
Nordstrom, Elof, Newark, N. J., assignor to American Dan Stopper Company, Bridgeport, Conn. Article-feeding hopper. No. 1,276,562; Aug. 20; v. 253; p. 676.
Nordstrom, Elof, Newark, N. J., assignor to American Dan Stopper Company, Bridgeport, Conn. Bottle-capping machine. No. 1,282,920; Oct. 29; v. 255; p. 892.
Nordstrom, Elof, Newark, N. J., assignor to American Dan Stopper Company, Bridgeport, Conn. Cap making and packaging machine. No. 1,283,273; Oct. 29; v. 255; p. 986.
Nordstrom, Gustave, Winnipeg, Manitoba, Canada. Automatic steering and stabilizing apparatus for aircraft. No. 1,264,966; May 7; v. 250; p. 26.
Nordstrom, Nils W., Brooklyn, N. Y. Removable denture. No. 1,251,912; Jan. 1; v. 246; p. 140.
Nordstrom, Nils W., Brooklyn, N. Y. Artificial denture. No. 1,252,291; Jan. 1; v. 246; p. 246.
Nordstrom, Peter. (See Ferris, Nordstrom, and Lehman.)
Nordstrom, Sven J., Mexico, Mexico. Lubricated hydraulic plug-valve. (Reissue.) No. 14,516; Aug. 27; v. 253; p. 924.
Nordstrum, George W., Chicago, Ill. Ball-bearing and assembling same. No. 1,280,075; Sept. 24; v. 254; p. 828.
Nordwall, Emil, La Grange, Ill. Damper. No. 1,278,987; Sept. 17; v. 254; p. 504.
Nordyke & Marmon Company. (See Brantingham, Allen C., assignor.)
Norelius, Emil F., assignor to Holt Manufacturing Company, Peoria, Ill. Track-chain. No. 1,258,601; Mar. 5; v. 248; p. 190.
Norelius, Emil F., and W. Turnbull, Peoria, Ill., assignors to The Holt Manufacturing Company, Stockton, Cal. Double-track tractor. No. 1,258,605; Mar. 5; v. 248; p. 192.
Norgate, George W., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plug. No. 1,266,979; May 21; v. 250; p. 643.
Norgate, George W., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment-plug. No. 1,287,082; Dec. 10; v. 257; p. 255.
Norgrove, Allen, Prince Albert, Saskatchewan, Canada. Slide-valve. No. 1,277,746; Sept. 3; v. 254; p. 115.
Noriega, Indalecio, Mexico, Mexico. Synchronic twin phonograph. No. 1,271,066; July 2; v. 252; p. 88.
Norling Rotary Engine Company, The. (See Johanson, Emil G., assignor.)
Norman, A. M., *et al.* (See Hartkopf, Carl F., assignor.)
Norman, Charles O., Montgomery, Ala. Dust and silencer hood for valve-in-head motors. No. 1,268,047; May 28; v. 250; p. 967.
Norman, Frank, Des Moines, Iowa, assignor of eight thirty-seconds to D. J. Landers, seven thirty-seconds to W. A. McAtee, four thirty-seconds to A. B. Lovan, two thirty-seconds to G. W. Young, one thirty-second to W. T. Shores, Springfield, Mo., and two thirty-seconds to C. H. Nichols, New York, N. Y. Acetylene-generator. No. 1,274,753; Aug. 6; v. 253; p. 118.
Norman, Frank G., Cardiff, Wales. Vehicle. No. 1,261,428; Apr. 2; v. 249; p. 124.
Norman, Gustav, Aberdeen, Wash. Garter or garment fastener. No. 1,272,079; July 9; v. 252; p. 406.
Norman, James E., Throp Springs, Tex. Gin-saw filer and gummer. No. 1,272,343; July 9; v. 252; p. 480.
Norman, Joseph T., Nanticoke, Pa. Liquid-soap dispenser. No. 1,263,275; Apr. 16; v. 249; p. 701.
Norman, Ludwig, assignor, by mesne assignments, of one-half to L. G. and M. Ziccardi. Christmas-tree holder. No. 1,255,557; Feb. 5; v. 247; p. 129.
Norman, Mack D. (See Norman, William A. and M. D.)
Norman, Orville P., Los Angeles, Cal. Mechanical movement. No. 1,268,048; May 28; v. 250; p. 967.
Norman, William A. and M. D., Saltillo, Tex. Peanut-planter. No. 1,267,583; May 28; v. 250; p. 837.
Norman, William F., Nevada, Mo. Grave-marker. No. 1,276,798; Aug. 27; v. 253; p. 777.
Normandy, Charles R., assignor to Standard Moth Bag Company, Washington, D. C. Suspension-hook. No. 1,285,336; Nov. 19; v. 256; p. 556.
Norquest, John E., Richmond, Va., assignor to P. Lorillard Company, New York, N. Y. Safety cutting mechanism. No. 1,252,932; Jan. 8; v. 246; p. 463.

Norquest, John E. Richmond, Va., assignor to P. Lorillard Company, New York, N. Y. Cigar and cheroot trimming mechanism. No. 1,252,933; Jan. 8; v. 246; p. 464.
Norquest, John E., Richmond, Va., assignor to P. Lorillard Company, New York, N. Y. Pasting mechanism for cigar and cheroot machines. No. 1,252,934; Jan. 8; v. 246; p. 464.
Norquest, John E., Richmond, Va., assignor to P. Lorillard Company, New York, N. Y. Bunch-carrier for cigar and cheroot machines. No. 1,252,935; Jan. 8; v. 246; p. 464.
Norquist, Emanuel E. (See Smothers and Norquist.)
Norquist, Emanuel E., Kansas City, Mo. Convertible body for motor-cars. No. 1,266,521; May 14; v. 250; p. 483.
Norquist, Lester E., Denver, Colo. Catamenial appliance. No. 1,263,797; Apr. 23; v. 249; p. 865.
Norrbom, Enock, Brooklyn, N. Y. Gas-engine. No. 1,281,196; Oct. 8; v. 255; p. 325.
Norrbom, Enock, Brooklyn, N. Y. Pitman connection. No. 1,289,882; Dec. 31; v. 257; p. 1026.
Norre, Soren J., Chicago, Ill. Protector for timer-wires. No. 1,287,734; Dec. 17; v. 257; p. 449.
Norrie, George A., Genesee, Wis. Fluid-fuel burner. No. 1,287,735; Dec. 17; v. 257; p. 449.
Norring, Sigurd A. E., Brooklyn, and V. C. Thorne, New York, N. Y., assignors to Schlosinger Radium Co. Luminous indicating device and means for attaching same. No. 1,269,636; June 18; v. 251; p. 489.
Norris, Almon E., Cambridge, Mass. Loading apparatus. No. 1,258,700; Mar. 12; v. 248; p. 257.
Norris, Daniel E. (See Norris, Frank H. assignor.)
Norris, Daniel E., assignor of one-half to F. H. Norris, Robinson, Ill. Stand-valve extracting means for oil-well pumps. No. 1,282,921; Oct. 29; v. 255; p. 893.
Norris, Francis E., Sharon, Pa. Handling and shipping metal bars. No. 1,261,155; Apr. 2; v. 249; p. 46.
Norris, Frank, Barnum, Wis. Clothes-pin. No. 1,259,458; Mar. 12; v. 248; p. 474.
Norris, Frank H. (See Norris, Daniel E., assignor.)
Norris, Frank H., assignor of one-half to D. E. Norris, Robinson, Ill. Sucker-rod elevator. No. 1,275,728; Aug. 13; v. 253; p. 413.
Norris, Frank M., Los Angeles, Cal. Ignition system. No. 1,269,495; June 11; v. 251; p. 417.
Norris, James A. (See Malott, Benjamin F., assignor.)
Norris, Robert, *et al.* (See Kuhn, Jacob, assignor.)
Norris, Walter, assignor to Port Huron Engine and Thresher Company, Port Huron, Mich. Feeder for threshing-machines. No. 1,256,506; Feb. 12; v. 247; p. 449.
Norris, William C., Mount Pleasant, Tex. Terrace-marker. No. 1,253,516; Jan. 15; v. 246; p. 667.
Norris, William J., London, England. Press for expressing liquids and forming articles from pulp and other material. No. 1,273,527; July 23; v. 252; p. 859.
Norrish, Samuel, Wyoming, Ohio. Combination-tool. No. 1,289,524; Dec. 31; v. 257; p. 939.
Norsk Elektrisk Metalindustri Aktieselskap. (See Huldt, Sven, assignor.)
Norsk Hydro-elektrisk Kvaelstofaktieselskab. (See Bergve, Einar, assignor.)
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Bergve and Sundby, assignors.)
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Blom, Reidar, assignor.)
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Edwin, Emil, assignor.)
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Hansen, Einar, assignor.)
North Bro's. M'f'g. Co. (See Fegley and Leopold, assignors.)
North Bro's M'f'g Co. (See Leopold, George O., assignor.)
North, Clarence L., El Paso, Tex. Baling-press. No. 1,259,276; Mar. 12; v. 248; p. 421.
North East Electric Company. (See Bishop, Charles F., assignor.)
North East Electric Company. (See Halbleib and Lee, assignors.)
North East Electric Company. (See Lee, Thomas L., assignor.)
North East Electric Company. (See Mix, Edwin S., assignor.)
North East Electric Company. (See Neumaier, John, assignor.)
North, Edward, Los Angeles, Cal. Underreamer. No. 1,262,591; Apr. 9; v. 249; p. 481.
North, George W., La Tuna, assignor of one-half to H. M. Andreas, El Paso, Tex. Baling-press. No. 1,288,656; Dec. 24; v. 257; p. 702.
North, Henry, assignor to National Tank and Pipe Co., Portland, Oreg. Clamping door-hinge. No. 1,277,106; Aug. 27; v. 253; p. 859.
North, James S., assignor to The C. J. White Mfg. Co., New Britain, Conn. Hose-supporter pad. No. 1,278,727; Sept. 10; v. 254; p. 403.
North & Judd Manufacturing Company, The. (See Carpmill, John F., assignor.)
North, Oliver D., assignor to Straker-Squire Limited, London, England. Lubricating crank-pin. No. 1,275,082; Aug. 6; v. 253; p. 210.
North, Raymond F. (See Buchner and North.)
North, Thomas K., assignor to Vickers Limited, Westminster, London, England. Metal-shaping and similar machine. No. 1,260,288; Mar. 19; v. 248; p. 742.
North, Thomas K., Westminster, London, assignor to Vickers Limited, Westminster, England. Submarine mine. No. 1,280,526; Oct. 1; v. 255; p. 114.
Northcraft, Ambro J., St. Louis, Mo. Type-writer's cabinet. No. 1,273,528; July 23; v. 252; p. 859.
Northern Engineering Works. (See Thurber and Racklyeft, assignors.)
Northern, Louis J., Greenburg, Kans. Metallic spring-tire. No. 1,262,550; Apr. 9; v. 249; p. 469.
Northern Novelty Manufacturing Company. (See Kennedy, Charles J., assignor.)
Northey, John P., Toronto, Ontario, Canada. Key-bolt. No. 1,261,598; Apr. 2; v. 249; p. 172.
Northrop, Charles E., Dayton, Ohio. Lock. No. 1,274,313; July 30; v. 252; p. 1112.
Northrop, Jonas. (See Draper and Northrop.)
Northrop, Jonas, assignor to Hopedale Manufacturing Company, Hopedale, Mass. Warp stop-motion for looms. No. 1,252,292; Jan. 1; v. 246; p. 246.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle. No. 1,252,293; Jan. 1; v. 246; p. 247.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle. No. 1,252,294; Jan. 1; v. 246; p. 247.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle. No. 1,257,102; Feb. 19; v. 247; p. 657.
Northrop, Jonas, assignor to Hopedale Manufacturing Company, Hopedale, Mass. Automatic loom. No. 1,259,768; Mar. 19; v. 248; p. 593.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Thread parting and clamping mechanism. No. 1,279,412; Sept. 17; v. 254; p. 617.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle. No. 1,280,819; Oct. 8; v. 255; p. 222.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Feeler-loom. No. 1,286,392; Dec. 3; v. 257; p. 51.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Feeler-loom. No. 1,286,393; Dec. 3; v. 257; p. 51.
Northrup, Arthur D., Rochester, N. Y. Finder attachment for folding cameras. No. 1,264,842; Apr. 30; v. 249; p. 1187.
Northrup, Burton A., and T. K. Calder, Detroit, Mich. Industrial truck. No. 1,276,799; Aug. 27; v. 253; p. 778.
Northrup, Early. (See Caen, George, Sr., assignor.)
Northrup, Edwin F., Princeton, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa. Method and apparatus for electric heating by high-frequency currents. No. 1,286,394; Dec. 3; v. 257; p. 51.
Northrup, Edwin F., Princeton, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa. Oscillation-current method and apparatus. No. 1,286,395; Dec. 3; v. 257; p. 52.
Northrup, Elmer C., assignor, by mesne assignments, to Savings Union Bank and Trust Company, San Francisco, Cal. Two-table nailing-machine. No. 1,251,913; Jan. 1; v. 246; p. 140.
Northwood, Harry, Wheeling, W. Va. Drilling glass. No. 1,276,683; Aug. 20; v. 253; p. 709.
Northwood, John A., *et al.* (See Owen, Moses, assignor.)
Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Belt-drive for grinding-machines. No. 1,261,156; Apr. 2; v. 249; p. 46.
Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Center and tool-holder. No. 1,261,157; Apr. 2; v. 249; p. 47.
Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Reversing mechanism. No. 1,261,158; Apr. 2; v. 249; p. 47.
Norton, Charles H., and J. S. Wilcox, Jr., assignors to Norton Grinding Company, Worcester, Mass. Work-drive for grinding-machines. No. 1,271,208; July 2; v. 252; p. 129.
Norton, Charles W. (See Hutchison and Norton.)
Norton, Clifton R., United States Army. Drive mechanism for motor-vehicles. No. 1,270,650; June 25; v. 251; p. 791.
Norton Company. (See Saunders, Lewis E., assignor.)
Norton Company. (See Saunders and White, assignors.)
Norton Company. (See White, Ray H., assignor.)
Norton Door Check Company. (See Norton, Lewis C., assignor.)
Norton, Edwin, Paget West, Bermuda, assignor to Perfect Vacuum Canning Company. Vacuum sealing apparatus. No. 1,264,843; Apr. 30; v. 249; p. 1187.
Norton, Edwin, Paget West, Bermuda, and L. C. Krummel, Brooklyn, N. Y.; said Krummel assignor to Perfect Vacuum Canning Company, Chicago, Ill. Vacuum sealing apparatus. No. 1,264,844; Apr. 30; v. 249; p. 1187.
Norton, Edwin, deceased, Paget West, Bermuda; L. E. Norton, executrix, New York, N. Y. Can-capping machine. No. 1,279,413; Sept. 17; v. 254; p. 617.

Alphabetical list of patentees—Continued.

Norton, Edwin K., Canonsburg, Pa., assignor to Continental Can Company, Incorporated, Syracuse, N. Y. Combined filling and closing machine. No. 1,273,651; July 23; v. 252; p. 892.
Norton, Fred E., Worcester, Mass., assignor to Jefferies-Norton Corporation. Refrigeration. No. 1,264,845; Apr. 30; v. 249; p. 1188.
Norton, Fred E., Worcester, Mass. Valve. No. 1,277,463; Sept. 3; v. 254; p. 36.
Norton Grinding Company. (See Norton, Charles H., assignor.)
Norton Grinding Company. (See Norton and Wilcox, assignors.)
Norton Grinding Company. (See Wilcox, Joseph S., Jr., assignor.)
Norton, Henry C., *et al.* (See Kuhn, Jacob, assignor.)
Norton, Henry K., Los Angeles, Cal. Motion-picture camera. No. 1,267,688; May 28; v. 250; p. 866.
Norton, Henry K., Los Angeles, Cal. Duplex stereoscopic motion-picture camera. No. 1,267,689; May 28; v. 250; p. 866.
Norton, James A., Odebolt, Iowa, assignor to Golden West Pump Company, Sioux Falls, S. D. Irrigating-machine. No. 1,255,777; Feb. 5; v. 247; p. 192.
Norton, John R., Olean, N. Y., assignor to The J. G. Wilson Corporation, Norfolk, Va. Folding partition. No. 1,266,980; May 21; v. 250; p. 643.
Norton, Joseph C., Cleveland, Ohio. Roof-flashing and constructing same. No. 1,261,276; Apr. 2; v. 249; p. 80.
Norton, Lewis C., assignor to Norton Door Check Company, Chicago, Ill. Door stop and holder. No. 1,275,980; Aug. 13; v. 253; p. 483.
Norton, Lewis M., *et al.* (See Fales, Frederick L., Jr., assignor.)
Norton, Lucy E., executrix. (See Norton, Edwin.)
Norton, Ralph H., assignor to Acme Steel Goods Company, Chicago, Ill. Box-strap seal. No. 1,260,016; Mar. 19; v. 248; p. 667.
Norton, Ralph H., assignor to Acme Steel Goods Company, Chicago, Ill. Box-band stretcher. No. 1,262,082; Apr. 9; v. 249; p. 337.
Norton, William B. (See Abbott, Adrian O., Jr., assignor.)
Norton, William B., Detroit, Mich. Paper milk-receptacle. No. 1,272,080; July 9; v. 252; p. 406.
Norton, William C., Salem, Mass. Thermal gas-valve. No. 1,267,108; May 21; v. 250; p. 678.
Norton, William S., New York, N. Y. Counting apparatus. No. 1,284,430; Nov. 12; v. 256; p. 289.
Norvell, Walter T., Morrill, Nebr. Mail-box support. No. 1,281,062; Oct. 8; v. 255; p. 287.
Norwood, Harry E., assignor to Perfect Window Regulator Company, New York, N. Y. Electrically-controlled window raising and lowering mechanism. No. 1,260,435; Mar. 26; v. 248; p. 820.
Norwood, Harry Y., and F. W. Stalker, assignors to Taylor Instrument Companies, Rochester, N. Y. Distance temperature apparatus. No. 1,277,464; Sept. 3; v. 254; p. 36.
Norwood, John E., Baltimore, Md. Piston-ring. No. 1,288,143; Dec. 17; v. 257; p. 551.
Norwood, William M., Greenville, S. C. Dental plate. No. 1,275,590; Aug. 13; v. 253; p. 373.
Noser, Emil V., St. Louis, Mo. Aeroplane. No. 1,287,083; Dec. 10; v. 257; p. 255.
Nossagk, Friedrich, assignor of one-half to E. J. Jochen, New York, N. Y. Multiple drill, &c. No. 1,264,429; Apr. 30; v. 249; p. 1075.
Notasome Hosiery Company. (See McNicholas, John J., assignor.)
Noteman, George C., Lakewood, Ohio. Portable coaling device for furnaces. No. 1,281,640; Oct. 15; v. 255; p. 476.
Nothaft, Joseph, Moos, near Langenisarhofen, Germany. Harvesting-machine. No. 1,252,608; Jan. 8; v. 246; p. 371.
Notter, Harry L., Chicago, Ill. Needle-sharpener. No. 1,256,034; Feb. 12; v. 247; p. 307.
Nottingham, Edwin I., Washington, D. C., assignor to H. C. Rassmann, Beaver Dam, Wis. Watering device for cattle. No. 1,283,274; Oct. 29; v. 255; p. 987.
Nottingham, Henry N., Porter, Okla. Chair-brace. No. 1,287,084; Dec. 10; v. 257; p. 256.
Nourse, Rupert A. (See Schartow, Frank E., assignor.)
Novelty Cutlery Company, The. (See Keith, John E., assignor.)
Novess, Frank, Ypsilanti, Mich. Fence-post. No. 1,271,751; July 9; v. 252; p. 313.
Novick, Abraham, assignor to F. L. Schmidt Company, New York, N. Y. Washer and string attaching machine. No. 1,255,558; Feb. 5; v. 247; p. 129.
Novick, Abraham, assignor to F. L. Schmidt Company, New York, N. Y. Envelop-fastener strip. No. 1,274,754; Aug. 6; v. 253; p. 118.
Novick, Abraham, assignor to F. L. Schmidt Company, New York, N. Y. Envelop-machine. No. 1,288,144; Dec. 17; v. 257; p. 551.
Noville, Carl E., assignor to The Kayanen Company, Inc., New York, N. Y. Apparatus for simulating moving pictures. No. 1,288,145; Dec. 17; v. 257; p. 551.
Novotny, Emil E., Riverside, Ill., and H. G. Schwerdtle, Philadelphia, assignors to Stokes & Smith Company, Summerdale, Pa. Jogging mechanism for printing-presses. No. 1,260,017; Mar. 19; v. 248; p. 667.
Novotny, Emil E., Riverside, Ill., assignor to J. S. Stokes, Moorestown, N. J. Registration of printing-plates, &c. No. 1,280,527; Oct. 1; v. 255; p. 115.
Novotny, Emil E., Riverside, Ill., assignor to J. S. Stokes, Moorestown, N. J. Matrix for type-casting machines. No. 1,282,109; Oct. 22; v. 255; p. 642.
Novotny, Emil E., Riverside, Ill., assignor to J. S. Stokes, Moorestown, N. J. Device for securing printing-plates. No. 1,282,922; Oct. 29; v. 255; p. 893.
Novotny, Emil E., Riverside, Ill., assignor to J. S. Stokes, Moorestown, N. J. Printing-plate and support therefor. No. 1,282,923; Oct. 29; v. 255; p. 893.
Novotny, Emil E., Riverside, Ill., assignor to J. S. Stokes, Moorestown, N. J. Preparing printing-plates. No. 1,288,657; Dec. 24; v. 257; p. 703.
Novotny, Frank S., assignor of one-half to J. F. Fitzpatrick, St. Paul, Minn. Single-trigger mechanism for double-barrel guns. No. 1,268,760; June 4; v. 251; p. 195.
Novy, Theodore F., Chicago, Ill. Clamp for column-molds. No. 1,280,820; Oct. 8; v. 255; p. 222.
Nowak, John W., St. Louis, Mo. Transmission-gearing and clutch mechanism. No. 1,277,465; Sept. 3; v. 254; p. 36.
Nowotny, Harrie T., St. Louis, Mo. Sash-hanger. No. 1,279,749; Sept. 24; v. 254; p. 735.
Nowosielski, Edward B., Bloomfield, N. J. Device for transmitting motion from pistons of engines to crank-shafts. No. 1,254,345; Jan. 22; v. 246; p. 923.
Noyes, Bernice J., Boston, assignor to S. B. Condit, Jr., Brookline, Mass. Electric-lighting system for automobiles. No. 1,257,015; Feb. 19; v. 247; p. 634.
Noyes, Ethell, Kensington, London, England. Hair-clasp. No. 1,268,875; June 11; v. 251; p. 246.
Noyes, Hazlehurst R., Savannah, Ga. Hair-pin. No. 1,252,936; Jan. 8; v. 246; p. 465.
Noyes, Mayhew E., assignor to The Hendrickson Machine Company, Cleveland, Ohio. Worm-grinding machine. No. 1,252,478; Jan. 8; v. 246; p. 334.
Nu-Ex Fire Appliance Company, The. (See Barger, Frederick C., assignor.)
Nuckolls, Samuel H., Atlanta, Ga. Reinking-machine for the ribbons of multigraph-machines. No. 1,253,869; Jan. 15; v. 246; p. 768.
Nueda, Luis, Madrid, Spain. Switching mechanism. No. 1,288,658; Dec. 24; v. 257; p. 703.
Nugent, William W., Chicago, Ill. Combined filter and water-separator. No. 1,252,017; Jan. 1; v. 246; p. 169.
Nugo Device Corporation. (See Neu and Blaha, assignors.) (Reissue.)
Nukada, Yutaka, Tokyo, Japan. Preparation of proteid silver. No. 1,272,987; July 16; v. 252; p. 689.
Null, Joseph F. (See Frost, William, assignor.)
Null, Rufus H., Greensboro, N. C. Adjustable table-leg clamp. No. 1,273,088; July 16; v. 252; p. 715.
Nunamacher, William H., Newark, N. J. Journal-bearing for railway-cars and the like. No. 1,281,817; Oct. 15; v. 255; p. 524.
Nungesser, Philip P., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Machine for soldering binding-posts. No. 1,286,886; Dec. 3; v. 257; p. 166.
Nunn, Nevvens N., assignor to The Almetal Manufacturing Company, Maplewood, Mo. Washing-machine. No. 1,275,729; Aug. 13; v. 253; p. 413.
Nupro Evaporator Co. (See Meroney, John A., assignor.)
Nurmi, Henry V. (See Jacobson, August, assignor.)
Nus, Glenn, Arlington, Iowa. Valve mechanism for internal-combustion engines. No. 1,271,354; July 2; v. 252; p. 169.
Nusbaum, Albert, Chicago, Ill. Garbage-receptacle. No. 1,284,133; Nov. 5; v. 256; p. 184.
Nusbaum, Joseph, assignor to P. E. Sharpless Company, Philadelphia, Pa. Making soft cheese and the product thereof. No. 1,258,438; Mar. 5; v. 248; p. 143.
Nussbaum, Peter. (See Keiner and Nussbaum.)
Nussey, Sam, Trenton, N. J. Sliding drawer-division. No. 1,289,525; Dec. 31; v. 257; p. 939.
Nuta, Meyer, Chicago, Ill. Internal-combustion engine. No. 1,276,948; Aug. 27; v. 253; p. 816.
Nute, John L., Kennett Square, Pa. Adjustable mold-jacket. No. 1,271,752; July 9; v. 252; p. 313.
Nutter, Charles P., Malden, and J. E. Chatman, Swampscott, Mass. Combined beating and sprinkling system. No. 1,289,236; Dec. 31; v. 257; p. 867.
Nutter, William S., assignor to Goodall Worsted Company, Sanford, Me. Fabric. No. 1,252,018; Jan. 1; v. 246; p. 170.
Nutting, Alfred B. (See Nutting, Harvey R. and A. B.)
Nutting, Charles E., assignor to Draper Corporation, Hopedale, Mass. Bobbin-clutching means for rotatable spindles. No. 1,265,947; May 14; v. 250; p. 326.
Nutting, Charles E., assignor to Draper Corporation, Hopedale, Mass. Weft-feeler for looms. No. 1,272,702; July 16; v. 252; p. 608.
Nutting, Harvey R., Salisbury, and A. B. Nutting, Boston, Mass. Clutch. No. 1,272,081; July 9; v. 252; p. 407.

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Nutting, Perley G., Rochester, N. Y. Range-finder. No. 1,270,545; June 25; v. 251; p. 763.
Nuzum, George. (See Kent and Austin, assignors.)
Nyary, Anthony, assignor to P. H. Bush, Chicago, Ill. Door-lock. No. 1,253,416; Jan. 15; v. 246; p. 640.
Nyary, Anthony, St. Louis, Mo. Backing-off tool for taps. No. 1,284,431; Nov. 12; v. 256; p. 290.
Nybak, Olaf, Bashaw, Alberta, Canada. Sugar-dispensing apparatus. No. 1,270,194; June 18; v. 251; p. 639.
Nye, Harry R., Twin Bridges, Mont. Rivet-setter. No. 1,289,526; Dec. 31; v. 257; p. 940.
Nye, William E., Highlands, Cal. Vulcanizing-patch-holding device. No. 1,283,275; Oct. 29; v. 255; p. 987.
Nygaard, Johan O., Cristiania, Norway. Press-stud. No. 1,263,276; Apr. 16; v. 249; p. 701.
Nygaard, Johan O., Christiania, Norway. Press-stud fastening. No. 1,264,846; Apr. 30; v. 249; p. 1188.
Nyhus, Edward, Ivanhoe, Minn. Harness-hanger. No. 1,253,870; Jan. 15; v. 246; p. 768.
Nylen, Alfred H., Piedmont, Cal. Salvaging apparatus. No. 1,272,302; July 9; v. 252; p. 469.
Nylund, Erick, Stambaugh, Mich. Curtain-bracket. No. 1,257,016; Feb. 19; v. 247; p. 635.
Nystrom, Karl F. (See Coleman and Nystrom.)
Nystrom, Karl F., St. Lambert, Quebec, Canada. Car construction. No. 1,254,346; Jan. 22; v. 246; p. 924.
Nystrom, Karl F., St. Lambert, Quebec, Canada. Car-truck. No. 1,288,146; Dec. 17; v. 257; p. 552.
Nystrom, Martin, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Talking-machine. No. 1,260,790; Mar. 26; v. 248; p. 924.
Nystrom, Martin, assignor, by mesne assignments, to C. E. Osborne, Chicago, Ill. Talking-machine. No. 1,262,592; Apr. 9; v. 249; p. 481.
Nystrom, Martin, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Vertical file for talking-machines. No. 1,268,141; June 4; v. 251; p. 21.
Nystrom, Martin, assignor to Brunswick-Balke-Collender Company, Chicago, Ill. Brake mechanism for talking-machines. No. 1,274,581; Aug. 6; v. 253; p. 69.
Nystrom, Oscar P., Holland, Mich. Furnace-top-burring machine. No. 1,288,147; Dec. 17; v. 257; p. 552.
Nystrom, Theodore W., Rock Rapids, Iowa. Aerial motor-carriage. No. 1,279,140; Sept. 17; v. 254; p. 542.
O. A. Albrecht Company. (See Albrecht, Oscar A., assignor.)
O. A. Miller Treeing Machine Company. (See Hansen, John S., assignor.)
O. C. Devereux Company. (See Osterberg, Carl I., assignor.)
O. and J. Machine Company, The. (See Johnson, John E., assignor.)
O. & J. Machine Company, The. (See Johnston and Oslund, assignors.)
O. M. Edwards Company, The. (See Axe, Roy T., assignor.)
O. M. Edwards Company, The. (See Chaffee, Edward F., assignor.)
O. M. Edwards Company, The. (See Jones, Arthur E., assignor.)
O. P. Schriver Company, The. (See Happensack, Edward F., assignor.)
O-So-Ezy Mop Company. (See Feasel, Harry L., assignor.)
O'Bannon, Mildred C., Culpeper, Va. Combination-legging and retaining-hook therefor. No. 1,285,337; Nov. 19; v. 256; p. 556.
O'Beirne, William H., Wood Dale, Ill. Dumping-wagon. No. 1,261,955; Apr. 9; v. 249; p. 303.
O'Brien, Christopher D., Jr., and G. R., St. Paul, Minn. Oscillating toy. No. 1,285,728; Dec. 3; v. 257; p. 131.
O'Brien, Frank, Flint, Mich. Counterbalance for crank-shafts and applying the same. No. 1,261,053; Apr. 2; v. 249; p. 18.
O'Brien, Gerald R. (See O'Brien, Christopher D., Jr., and G. R.)
O'Brien, John, Stayner, Ontario, Canada. Screen. No. 1,286,888; Dec. 3; v. 257; p. 166.
O'Brien, John M., West Winfield, N. Y. Gas-engine. No. 1,283,276; Oct. 29; v. 255; p. 987.
O'Brien, John O. (See Thornton, John E., assignor.)
O'Brien, Joseph, Lucas, Kans. Engine-supporting bracket. No. 1,274,074; July 30; v. 252; p. 1046.
O'Brien, Joseph F., New York, N. Y. Window-closure. No. 1,281,197; Oct. 8; v. 255; p. 325.
O'Brien, Louis J. (See Meredith, Holland, O'Brien, and McHenry.)
O'Brien, Luke D., Berkeley, Cal. Garment-stretcher. No. 1,253,085; Jan. 8; v. 246; p. 512.
O'Brien, Michael W., Rochester, N. Y. Ejecting mechanism for presses or the like. No. 1,276,399; Aug. 20; v. 253; p. 632.
O'Brien, Richard F., Minneapolis, Minn. Artificial minnow. No. 1,256,155; Feb. 12; v. 247; p. 343.
O'Connell, David D., Spokane, Wash. Automatic stop for railways. No. 1,253,086; Jan. 8; v. 246; p. 512.
O'Connell, Francis J., Wellsville, N. Y. Oil-well-pumping apparatus. No. 1,264,549; Apr. 30; v. 249; p. 1108.
O'Connell, Francis J., Wellsville, N. Y. Pumping-rod-turning device. No. 1,264,550; Apr. 30; v. 249; p. 1108.
O'Connell, James, *et al.* (See Lechey, Timothy J., assignor.)
O'Connell, John, Cohoes, N. Y., assignor to L. A. Aumann, Chicopee, Mass. Machine for cleaning cotton and like material. No. 1,284,922; Nov. 12; v. 256; p. 413.
O'Connor, Arthur F., assignor to The Union Railway Equipment Co., Chicago, Ill. Car-roof. No. 1,273,399; July 23; v. 252; p. 824.
O'Connor, Christopher J. (See Hersh and O'Connor.)
O'Connor, Denis, assignor of five-sixths to A. M. and J. P Schuster, Joliet, Ill. Wrench. No. 1,288,969; Dec. 24 v. 257; p. 777.
O'Connor, Edward, Pittsburg, Kans. Retort-charger. No. 1,286,070; Nov. 26; v. 256; p. 779.
O'Connor, Edward, Peoria, Ill. Spring-tread for wheels. No. 1,286,729; Dec. 3; v. 257; p. 131.
O'Connor, Edward L., New York, N. Y. Artificial hand. No. 1,277,747; Sept. 3; v. 254; p. 116.
O'Connor, John, New York, N. Y. Valve-motion for internal-combustion engines. No. 1,267,893; May 28; v. 250; p. 925.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Buffer mechanism for passenger-cars. No. 1,251,685; Jan. 1; v. 246; p. 73.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Adjustable side bearing for railway-cars. No. 1,252,295; Jan. 1; v. 246; p. 247.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging yoke. No. 1,252,296; Jan. 1; v. 246; p. 247.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing. No. 1,252,297; Jan. 1; v. 246; p. 247.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear for draft-riggings. No. 1,252,937; Jan. 8; v. 246; p. 465.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller side bearing. No. 1,253,087; Jan. 8; v. 246; p. 512.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Spring draft-rigging. No. 1,253,088; Jan. 8; v. 246; p. 512.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Bolt and nut lock. No. 1,253,709; Jan. 15; v. 246; p. 723.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. No. 1,254,262; Jan. 22; v. 246; p. 899.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Auxiliary shock-absorbing means for draft-riggings. No. 1,255,212; Feb. 5; v. 247; p. 29.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear for railway-car draft-riggings. No. 1,255,213; Feb. 5; v. 247; p. 29.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Spring-dampener. No. 1,255,214; Feb. 5; v. 247; p. 29.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. High-capacity spring-gear. No. 1,255,918; Feb. 12; v. 247; p. 273.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Recording mechanism. No. 1,255,919; Feb. 12; v. 247; p. 273.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Tandem friction-gear. No. 1,256,819; Feb. 19; v. 247; p. 575.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-yoke for railway-car draft-rigging. No. 1,256,820; Feb. 19; v. 247; p. 575.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing. No. 1,256,821; Feb. 19; v. 247; p. 576.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Operating mechanism for hand-brakes. No. 1,257,919; Feb. 26; v. 247; p. 932.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Vertically-adjustable side bearing. No. 1,257,920; Feb. 26; v. 247; p. 933.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing for railway-cars. No. 1,257,921; Feb. 26; v. 247; p. 933.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car draft-rigging. No. 1,258,935; Mar. 12; v. 248; p. 325.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,258,936; Mar. 12; v. 248; p. 325.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Stop-casting. No. 1,261,599; Apr. 2; v. 249; p. 172.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Recording mechanism. No. 1,262,083; Apr. 9; v. 249; p. 337.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Recording mechanism. No. 1,265,489; May 7; v. 250; p. 169.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,265,490; May 7; v. 250; p. 170.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Rocker side bearing. No. 1,268,993; June 11; v. 251; p. 279.

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O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car draft-rigging. No. 1,273,907; July 30; v. 252; p. 999.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for cars. No. 1,273,908; July 30; v. 252; p. 1000.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Antifriction-roller and making same. No. 1,273,909; July 30; v. 252; p. 1000.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hand-brake. No. 1,273,910; July 30; v. 252; p. 1000.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. High-capacity friction draft-rigging. No. 1,278,371; Sept. 10; v. 254; p. 308.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Two-part horizontal yoke. No. 1,278,373; Sept. 10; v. 254; p. 308.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable draw-bar and yoke. No. 1,278,372; Sept. 10; v. 254; p. 308.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car draft-rigging. No. 1,281,641; Oct. 15; v. 255; p. 476.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Dynamometer-car. No. 1,282,110; Oct. 22; v. 255; p. 643.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Ratchet winding mechanism. No. 1,282,111; Oct. 22; v. 255; p. 643.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Tandem spring draft-rigging for railway-cars. No. 1,283,544; Nov. 5; v. 256; p. 28.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller side bearing. No. 1,284,753; Nov. 12; v. 256; p. 369.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-yoke for railway-cars. No. 1,284,754; Nov. 12; v. 256; p. 369.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. No. 1,284,755; Nov. 12; v. 256; p. 370.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,286,071; Nov. 26; v. 256; p. 779.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,072; Nov. 26; v. 256; p. 779.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,286,730; Dec. 3; v. 257; p. 131.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable draw-bar and yoke connection. No. 1,286,731; Dec. 3; v. 257; p. 131.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-yoke for railway-car draft-rigging. No. 1,286,732; Dec. 3; v. 257; p. 132.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging yoke. No. 1,286,733; Dec. 3; v. 257; p. 132.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable two-part yoke. No. 1,286,734; Dec. 3; v. 257; p. 132.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,735; Dec. 3; v. 257; p. 132.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,286,736; Dec. 3; v. 257; p. 132.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,738; Dec. 3; v. 257; p. 133.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Snap-locking yoke. No. 1,286,739; Dec. 3; v. 257; p. 133.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,287,403; Dec. 10; v. 257; p. 336.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,288,659; Dec. 24; v. 257; p. 703.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-rigging. No. 1,288,660; Dec. 24; v. 257; p. 703.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Combined spring-gear and dampener. No. 1,288,661; Dec. 24; v. 257; p. 704.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,288,662; Dec. 24; v. 257; p. 704.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear for railway draft-rigging. No. 1,288,970; Dec. 24; v. 257; p. 777.
O'Connor, John F., Chicago, and J. R. Mitchell, Evanston, Ill., assignors to W. H. Miner, Chazy, N. Y. Draft-rigging yoke. No. 1,286,737; Dec. 3; v. 257; p. 133.
O'Connor, R., *et al.* (See Brown, Marvin H., assignor.)
O'Connor, William, Boulder, Colo. Draft-wheel connection for wheel and gang plows. No. 1,274,075; July 30; v. 252; p. 1046.
O'Connor, William, Syracuse, N. Y. Pulley-guard. No. 1,277,466; Sept. 3; v. 254; p. 37.
O'Connor, William P., *et al.* (See Stampka, Paul, assignor.)
O'Conor, Daniel J., Jr., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Making composite material. No. 1,284,432; Nov. 12; v. 256; p. 290.
O'Donnell, George J., Waterbury, Conn. Sash-holder. No. 1,271,517; July 2; v. 252; p. 213.
O'Donnell, John F., Midland, Pa. Valve mechanism. No. 1,251,563; Jan. 1; v. 246; p. 35.
O'Donnell, Roger, Milwaukee, Wis. Baling-press. No. 1,284,756; Nov. 12; v. 256; p. 370.
O'Donnell, William T., Great Falls, Mont. Foot-guard. No. 1,266,304; May 14; v. 250; p. 425.
O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Water-heater. No. 1,275,293; Aug. 13; v. 253; p. 292.
O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Heating apparatus. No. 1,282,707; Oct. 22; v. 255; p. 805.
O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Heating apparatus. No. 1,284,433; Nov. 12; v. 256; p. 290.
O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Heating apparatus. No. 1,287,405; Dec. 10; v. 257; p. 337.
O'Gara, Joseph S., Lancaster, Ohio. Spark-plug. No. 1,286,074; Nov. 26; v. 256; p. 780.
O'Gorman, William J., New York, N. Y. Spark-plug. No. 1,268,049; May 28; v. 250; p. 967.
O'Grady, John M., Chicago, Ill. Rotary motor. No. 1,270,546; June 25; v. 251; p. 763.
O'Hanlon, Edward, Davenport, Iowa. Propeller. No. 1,281,642; Oct. 15; v. 255; p. 476.
O'Hara, James B., Elkton, S. D. Oil-can. No. 1,268,604; June 4; v. 251; p. 153.
O'Hara, Joseph G. R., assignor to Educational Motion Picture Machine and Film Company, St. Louis, Mo. Projecting-lamp. No. 1,272,505; July 16; v. 252; p. 550.
O'Hare, Alexander, *et al.* (See Roeder, John, assignor.)
O'Kane, Katherine R., Philadelphia, Pa. Duplicating-machine. No. 1,285,340; Nov. 19; v. 256; p. 557.
O'Keefe, John F., New York, N. Y. Extensible form or distributing roller for presses. No. 1,256,361; Feb. 12; v. 247; p. 405.
O'Keeffe, Thomas J., Cambridge, Mass. Leather whitening and buffing machine. No. 1,260,436; Mar. 26; v. 248; p. 820.
O'Laughlin, Bartley, Coral, Mich. Mail-bag-catching device. No. 1,267,109; May 21; v. 250; p. 679.
O'Leary, Daniel J., Bruff, Ireland. Combined rug and fastening therefor. No. 1,261,429; Apr. 2; v. 249; p. 124.
O'Leary, Richard J., Chicago, Ill. Comb-cleaner. No. 1,280,821; Oct. 8; v. 255; p. 222.
O'Leary, Timothy. (See Brownback, Henry L., assignor.)
O'Loughlin, John, Rochester, N. Y. Block-dressing implement. No. 1,271,606; July 9; v. 252; p. 271.
O'Malley, John F., Geneva, N. Y. Direction-signal for vehicles. No. 1,276,563; Aug. 20; v. 253; p. 676.
O'Malley, Joseph J. and K., Milwaukee, Wis. Convertible automobile-seat structure. No. 1,278,989; Sept. 17; v. 254; p. 504.
O'Malley, Katherine. (See O'Malley, Joseph J. and K.)
O'Malley, Michael T., and G. Mace, New Hartford, N. Y. Buckle. No. 1,256,822; Feb. 19; v. 247; p. 576.
O'Meara, Patrick, Santa Rita, N. Mex. Metallic packing. No. 1,256,248; Feb. 12; v. 247; p. 372.
O'Neal, Oscar, Fremont, Mich. Demountable rim. No. 1,272,342; July 9; v. 252; p. 479.
O'Neal, Richard G., J. V. Hammett, and L. Guinn, Eufaula, Okla. Auto pull-out. No. 1,284,434; Nov. 12; v. 256; p. 291.
O'Neil, John N., Elizabeth, Pa. Luggage-carrier for automobiles. No. 1,255,778; Feb. 5; v. 247; p. 192.
O'Neil, Michael G. (See Borchert and O'Neil.)
O'Neil, Robert E., Kansas City, Mo. Automobile bracing attachment. No. 1,269,955; June 18; v. 251; p. 575.
O'Neil, Robert E., Kansas City, Mo. Automobile-bracing attachment. No. 1,288,972; Dec. 24; v. 257; p. 778.
O'Neill, Albert E., Grand Rapids, Mich. Automobile-signal. No. 1,257,733; Feb. 26; v. 247; p. 880.
O'Neill, David, Woodside, N. Y. Window-screen guide. No. 1,259,549; Mar. 19; v. 248; p. 532.
O'Neill, Henry G., assignor of one-half to C. Hubert, New York, N. Y. Engine-starting apparatus. No. 1,253,871; Jan. 15; v. 246; p. 768.
O'Neill, Henry G., assignor to C. Hubert, New York, N. Y. Engine starting and pumping apparatus. No. 1,262,691; Apr. 16; v. 249; p. 537.
O'Neill, Henry G., and W. E. Pearson, New York, N. Y. Indirect illumination. No. 1,257,382; Feb. 26; v. 247; p. 774.
O'Neill, James A. (See Johnson, John W., assignor.)
O'Neill, William T., Nortlack, Saskatchewan, Canada. Wire-cutter. No. 1,253,627; Jan. 15; v. 246; p. 698.

O'Nofrez'O Fire Extinguisher Manufacturing Company. (See Schaefer and Holmes, assignors.)
O'Reardon, Charles, Philadelphia, Pa. Adjustable knife and jaw for pliers. No. 1,276,256; Aug. 20; v. 253; p. 591.
O'Reilly, Edward, Mount Kisco, N. Y. Animal-trap. No. 1,287,407; Dec. 10; v. 257; p. 337.
O'Reilly, Rosalind E. H., Westminster, England. Hand-covering. No. 1,283,548; Nov. 5; v. 256; p. 29.
O'Rourke, Charles H., New Orleans, La. Separating pith from fiber from bagasse. No. 1,260,437; Mar. 26; v. 248; p. 820.
O'Rourke, Charles H., New Orleans, La. Animal, fowl, and poultry feed and making same. No. 1,286,742; Dec. 3; v. 257; p. 134.
O'Rourke, Cornelius H., Hanford, Cal. Aeroplane. No. 1,256,823; Feb. 19; v. 247; p. 576.
O'Rourke, Cornelius H., Hanford, Cal. Flying-machine. No. 1,277,467; Sept. 3; v. 254; p. 37.
O'Rourke, James F., Tucumcari, N. Mex. Cement rail for highways and roads. No. 1,288,664; Dec. 24; v. 257; p. 705.
O'Rourke, John F., New York, N. Y. Tunneling. No. 1,277,107; Aug. 27; v. 253; p. 860.
O'Shaughnessy, Martin, *et al.* (See Gardiner, William, assignor.)
O'Shaughnessy, Martin R., Cobalt, Ontario, Canada. Stamp-mill or the like. No. 1,265,948; May 14; v. 250; p. 327.
O'Shaughnessy, Thomas F., New York, N. Y. Piano sounding-board. No. 1,288,152; Dec. 17; v. 257; p. 554.
O'Shea, Dennis C., Chicago, Ill. Garment. No. 1,255,559; Feb. 5; v. 247; p. 130.
O'Shea, Dennis C., Chicago, Ill. Garment. No. 1,255,560; Feb. 5; v. 247; p. 130.
O'Sullivan, Patrick J., Kanturk, Ireland. Tube-tester. No. 1,273,914; July 30; v. 252; p. 1002.
O'Toole, Edward, Gary, W. Va. System of mining coal. No. 1,276,952; Aug. 27; v. 253; p. 818.
O'Toole, Edward, Gary, W. Va. Mining-machine. No. 1,283,880; Nov. 5; v. 256; p. 117.
O'Toole, Thomas, Westville, Ill. Power-hammer die. No. 1,279,751; Sept. 24; v. 254; p. 736.
Oakes Company, The. (See Swenson, Carl G., assignor.)
Oakes, Francis J., and S. O. Dillon, New York, N. Y. Dyeing. No. 1,271,067; July 2; v. 252; p. 89.
Oakes, Frank J. (See Spencer and Oakes.)
Oakes, Owen F., Boston, Mass. Knit fabric. No. 1,254,722; Jan. 29; v. 246; p. 1062.
Oakford, Charles, Plant City, Fla. Resilient wheel. No. 1,256,249; Feb. 12; v. 247; p. 372.
Oakley, Jesse R., Swissvale, and O. H. Civitts, Pittsburgh, Pa. Furnace-charging box. No. 1,282,924; Oct. 29; v. 255; p. 893.
Oakley, John. (See Eden, James A., Jr., assignor.)
Oakley, John, Springfield, Mass. Broach. No. 1,272,841; July 16; v. 252; p. 648.
Oakley, Oliver J., Brunswick, and E. C. Hughes, Fitzroy, Melbourne, Victoria, Australia. Machine for molding roofing-tiles and the like. No. 1,267,331; May 21; v. 250; p. 739.
Oakley, Theophield D., Chicago, Ill. Envelop. No. 1,276,101; Aug. 20; v. 253; p. 548.
Oatman, John O., Tulsa, Okla. Crossing-gate. No. 1,286,069; Nov. 26; v. 256; p. 778.
Oattis, Nathaniel G. (See Dunbar, Mahlon L., assignor.)
Obenhaus, Francis W., Pasadena, Cal., assignor to Unit System of Heating & Manufacturing Company. Valve. No. 1,288,968; Dec. 24; v. 257; p. 777.
Oberbeck, Henry A., Jr., Chicago, Ill. Combined motor car and hearse. No. 1,255,920; Feb. 12; v. 247; p. 273.
Oberer, Fredolien J., Portland, Oreg. Banding and bracing means for stave-containers. No. 1,278,728; Sept. 10; v. 254; p. 403.
Oberfell, George G., and H. T. Boyd, Homer, Ohio, assignors to The Ohio Fuel Supply Company, Pittsburgh, Pa. Separation of amylacetate from chlor-hydrocarbons. No. 1,278,198; Sept. 10; v. 254; p. 261.
Oberg, Amanda, Hager City, Wis. Bottle-stopper. No. 1,278,370; Sept. 10; v. 254; p. 307.
Oberg, Gunnard, assignor of one-half to E. C. Feldt, Jamestown, N. Y. Combined tool and holder. No. 1,256,359; Feb. 12; v. 247; p. 405.
Oberholtzer, John M., Wooster, Ohio. Hay-rake. No. 1,252,156; Jan. 1; v. 246; p. 209.
Oberlin, Jacob. (See Markey and Oberlin.)
Obermaier, John A., Chicago, Ill. Graphic meter and the like. No. 1,282,621; Oct. 22; v. 255; p. 782.
Oberndorf Manufacturing Company, The. (See Klug, Richard, assignor.)
Oberreich, Louis H., Indianapolis, Ind., assignor to Tidewater Equipment Corporation, Portland, Me. Automobile-engine starter. No. 1,287,085; Dec. 10; v. 257; p. 256.
Obert, Casin W., Brooklyn, N. Y. Automobile attachment. No. 1,269,844; June 18; v. 251; p. 547.
Obitts, Lester D., Wellington, Ohio. Soil-pulverizer. No. 1,265,491; May 7; v. 250; p. 170.
Obser, Adolph, Newark, N. J. Manufacture of leather. No. 1,268,876; June 11; v. 251; p. 246.
Ocean Floating Safe Company. (See Nanni, Menotti, assignor.)
Ochsner, Hans L., assignor of one-third to N. M. Eddy, Alpena, Mich. Woman's work and sport garment. No. 1,265,492; May 7; v. 250; p. 170.
Ockley, Thomas G., Kingston, Ontario, Canada. Pneumatic-tire protector. No. 1,284,757; Nov. 12; v. 256; p. 370.
Ocotillo Products Company. (See Snyder, Edgar W., assignor.)
Odein, Peter, New Haven, Conn. Explosive-engine starter. No. 1,263,596; Apr. 23; v. 249; p. 812.
Odell, Paris D., Miami, Fla. Folding chair. No. 1,278,729; Sept. 10; v. 254; p. 403.
Odell, Stephen E., Bellingham, Wash. Panoramic camera. No. 1,266,616; May 21; v. 250; p. 541.
Oden, Clyde. (See Eklundh and Oden.)
Oden, Clyde, and J. A. Schmitt, Columbus, Ohio, assignors to The Universal Milking Machine Company. Teat-cup claw. No. 1,285,338; Nov. 19; v. 256; p. 557.
Oden, Clyde, and J. G. G. Eklundh, assignors to The Universal Milking Machine Company, Columbus, Ohio. Teat-cup. No. 1,287,404; Dec. 10; v. 257; p. 336.
Oden, John M., Brooklyn, N. Y. Hose-coupling. No. 1,288,148; Dec. 17; v. 257; p. 552.
Odening, Anthony, Calumet, Mich. Rain-alarm. No. 1,270,652; June 25; v. 251; p. 791.
Odermatt, Clarence W. (See Baum and Odermatt.)
Odgers, Samuel, and P. La Pierre, Kansas City, Mo. Fire-escape. No. 1,277,339; Aug. 27; v. 253; p. 919.
Odlum, William H. (See Wahl and Odlum.)
Oehler, John G., St. Louis, Mo. Submarine minnow. No. 1,251,810; Jan. 1; v. 246; p. 111.
Oehm, William N., and H. R. Keithley, Michigan City, Ind., assignor to Haskell & Barker Car Co. Inc. Nailing-machine. No. 1,286,740; Dec. 3; v. 257; p. 133.
Oehrle Brothers Company. (See Oehrle, Franklin W., assignor.)
Oehrle, Emanuel, assignor of one-half to J. J. Fuchs, Omaha, Nebr. Combined vehicle spring connection and axle-brace. No. 1,286,073; Nov. 26; v. 256; p. 779.
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Machine for making ornamental rope or cord. No. 1,273,911; July 30; v. 252; p. 1000.
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Machine for making ornamental rope or cord. No. 1,273,912; July 30; v. 252; p. 1001.
Oelwerke Stern Sonneborn Akt. Ges. (See Heller, Hugo, assignor.)
Oesch, Alfred. (See Marti and Oesch.)
Oesch, Nina M., Woodburn, Ind. Teapot and detachable spout therefor. No. 1,255,779; Feb. 5; v. 247; p. 193.
Oeschger, Walter I., Detroit, Mich. Priming-cock. No. 1,252,157; Jan. 1; v. 246; p. 209.
Oeschger, Walter I., assignor to Parker Rust Proof Company of America, Detroit, Mich. Rust-proofing iron and steel surfaces. No. 1,254,263; Jan. 22; v. 246; p. 900.
Oeschger, Walter I., assignor to Parker Rust Proof Company of America, Detroit, Mich. Rust-proofing iron and steel. No. 1,254,264; Jan. 22; v. 246; p. 900.
Oeschger, Walter I., Detroit, Mich., assignor, by mesne assignments, to National Gauge & Equipment Company, La Crosse, Wis. Gage. No. 1,267,584; May 28; v. 250; p. 837.
Oestricher, Bernard H., New York, N. Y. Lead-wire terminal. No. 1,255,037; Jan. 29; v. 246; p. 1153.
Oettinger, Edward E., Chicago, Ill. Valve. No. 1,282,112; Oct. 22; v. 255; p. 643.
Ofeldt, Ernest G., Nyack, N. Y. Automatic low-water fuel shut-off. No. 1,288,149; Dec. 17; v. 257; p. 553.
Officer, Thomas, and M. P. Holmes, Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Tool-actuating device. No. 1,275,171; Aug. 6; v. 253; p. 234.
Officine Di Villar Perosa. (See Revelli, Abiel B., assignor.)
Offset Directo-Plate Company. (See Koppe, Alexander T., assignor.)
Ogan, Harriet M., Fort Dodge, Kans. Railway construction. No. 1,278,374; Sept. 10; v. 254; p. 309.
Ogawa, Raisuke, Kōbe, Japan. Telemotor-piston. No. 1,281,996; Oct. 15; v. 255; p. 570.
Ogawa, Yeitaro, Kusunoki Machi, Kobe, Japan. Speed-reducing gear arrangement for steam-turbines. No. 1,253,710; Jan. 15; v. 246; p. 724.
Ogden, Ashley G., assignor to The Multiple Off-Set Machine Company, Inc., Baltimore, Md. Printing device. (Reissue.) No. 14,517; Sept. 3; v. 254; p. 205.
Ogden Corporation, The. (See Ogden, William H., assignor.)
Ogden, Frederick H., Newark, N. J. Rotary steam-engine. No. 1,269,735; June 18; v. 251; p. 516.
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
Ogden, Jesse L., Chicago, Ill. Tire. No. 1,283,874; Nov. 5; v. 256; p. 116.
Ogden, John E., Mountainville, N. Y. Door. No. 1,258,439; Mar. 5; v. 248; p. 143.
Ogden, John E., Mountainville, and C. C. Tomkinson, Plainfield, N. J.; said Tomkinson assignor to said Ogden. Door. No. 1,275,591; Aug. 13; v. 253; p. 373.

Ogden, John E., Mountainville, N. Y., and C. C. Tomkinson, Plainfield, N. J.; said Tomkinson assignor to said Ogden. Strut-door. No. 1,283,545; Nov. 5; v. 256; p. 28.
Ogden, John E., Cornwall, N. Y. Single-section strut-supported door. No. 1,274,755; Aug. 6; v. 253; p. 118.
Ogden, John E., Cornwall, N. Y., and C. C. Tomkinson, Plainfield, N. J.; said Tomkinson assignor to said Ogden. Strut-door. No 1,274,439; Aug. 6; v. 253; p. 28.
Ogden, John E., Brooklyn, N. Y., and A. T. Prescott, East Orange, N. J., assignors to George H. Frothingham Co., New York, N. Y. Door. No. 1,282,113; Oct. 22; v. 255; p. 644.
Ogden, Joseph P., assignor of one-third to L. J. Killian, Lynn, Mass. Glass or lens for headlights. No. 1,271,931; July 9; v. 252; p. 362.
Ogden, Joseph P., Lynn, assignor to Naillik Motor Signal Co., Boston, Mass. Electric signaling system for motor-vehicles. No. 1,284,134; Nov. 5; v. 256; p. 185.
Ogden, Leroy A., Grand Rapids, Mich. Device for adjustably connecting alined rods. No. 1,265,104; May 7; v. 250; p. 66.
Ogden, William H., assignor to The Ogden Corporation, Binghamton, N. Y. Carbureter. No. 1,285,339; Nov. 19; v. 256; p. 557.
Ogilvie, John McI., Toronto, Ontario, Canada. Half-sole for boots and shoes. No. 1,278,375; Sept. 10; v. 254; p. 309.
Ogilvy, David J., Cincinnati, Ohio. Extracting resins, oleoresins, oils, and turpentine from resinous woods. No. 1,264,551; Apr. 30; v. 249; p. 1109.
Ogilvy, David J., Cincinnati, Ohio. Carbon-pigment base and making same. No. 1,268,142; June 4; v. 251; p. 21.
Ogilvy, Robert S. (See Wood and Ogilvy.)
Ogle, Elmer L., Chicago, Ill., assignor to Federal Sign System (Electric), New York, N. Y. Electric fuse. No. 1,276,800; Aug. 27; v. 253; p. 778.
Ogle, Francis M., assignor of one-third to C. P. McClain and M. L. Ebstone, Cheyenne, Okla. Folding poultry-coop. No. 1,267,585; May 28; v. 250; p. 837.
Ogle, Mary L., Covington, Ky. Puzzle. No. 1,273,089; July 16; v. 252; p. 715.
Oglesby, Richard A., assignor to Quick Action Ignition Company, South Bend. Ind. Magneto-electric generator. No. 1,262,692; Apr. 16; v. 249; p. 538.
Oglesby, Richard A., assignor to Quick Action Ignition Company, South Bend, Ind. Combined internal-combustion engine and magneto. No. 1,275,294; Aug. 13; v. 253; p. 292.
Oglesby, Richard A., assignor to Quick Action Ignition Company, South Bend, Ind. Magneto-electric generator. No. 1,279,750; Sept. 24; v. 254; p. 736.
Oglesby, Richard A., assignor to Quick Action Ignition Company, South Bend, Ind. Combined V-type engine and magneto. No. 1,282,114; Oct. 22; v. 255; p. 644.
Oglesby, William F., Berkeley, Cal., assignor, by mesne assignments, to the Government of the United States. Device for clipping fruit-pits. No. 1,256,035; Feb. 12; v. 247; p. 307.
Ogram, Byran. (See Davis and Ogram.)
Ogren, Axel E., Derby, Conn. Tap and die holder. No. 1,270,051; June 18; v. 251; p. 601.
Ogrinc, John. (See Cerar and Ogrinc.)
Ogrodniczek, Lucja, Scranton, Pa. Aviator's saver. No. 1,274,314; July 30; v. 252; p. 1112.
Ohashi, Hydesaburo, New York, N. Y. Automobile-tire. No. 1,260,791; Mar. 26; v. 248; p. 925.
Ohde, Fred, et al. (See Thullen, Christopher F., assignor.)
Ohde, George, Jr., and W., Manning, Ohio. Molding-display cabinet. No. 1,269,208; June 11; v. 251; p. 339.
Ohde, William. (See Ohde, George, Jr., and W.)
Ohio Blower Company, The. (See Swartwout, Denton K., assignor.)
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Brass Company, The. (See Averill, Rex G., assignor.)
Ohio Brass Company, The. (See Bolus, Glenn H., assignor.)
Ohio Brass Company, The. (See Bovard, William P., assignor.)
Ohio Brass Company, The. (See Brown, John R., assignor.)
Ohio Brass Company, The. (See Gierding, Charles E., assignor.)
Ohio Rake Company, The. (See Holtvoight, Henry B., assignor.)
Ohio Brass Company, The. (See Hunzicker, Walter W., assignor.)
Ohio Brass Company, The. (See Kiley, Edward J., assignor.)
Ohio Brass Company, The. (See Mead, George A., assignor.)
Ohio Electric Car Company, The. (See Dodge, Henry P., assignor.)
Ohio Fuel Supply Company, The. (See Oberfell and Boyd, assignors.)
Ohio Injector Company of Illinois, The. (See Edwards, Frank W., assignor.)
Ohio Trailer Company, The. (See Ferris, William E., assignor.)
Ohio Truss Company. (See Fritsch, Lewis A., assignor.)
Ohland, Fred H., Gibbon, Minn. Corn-shelling plate. No. 1,289,527; Dec. 31; v. 257; p. 940.
Ohlman, James W., assignor to The Reliance Manufacturing Company, Massillon, Ohio. Apparatus for and method of making washers. No. 1,288,971; Dec. 24; v. 257; p. 777.
Ohlmer, Friedrich, Griesheim, near Frankfort-on-the-Main, Germany. Continuous process for recovering lead or zinc or both metals from their ores or from slag in the form of metal fumes, whereby the charge is mixed with fuel. No. 1,269,110; June 11; v. 251; p. 311.
Ohlrogge, John, Chilton, Wis. Wagon. No. 1,252,714; Jan. 8; v. 246; p. 402.
Ohlsen, Charles M., Chicago, Ill. Door-fastening. No. 1,264,967; May 7; v. 250; p. 26.
Ohlson, Bror I. E. M., Helsingborg, and N. G. O. Lundberg, Malmo, Sweden. Receipt-drawer. No. 1,256,360; Feb. 12; v. 247; p. 405.
Ohlson, Laurence. (See Myers, Melvin A., assignor.)
Ohlson, Olof, Newton, assignor to Waltham Watch Company, Waltham, Mass. Composite machine element. No. 1,265,811; May 14; v. 250; p. 287.
Ohmer Fare Register Company. (See Fefell and Ohmer, assignors.)
Ohmer Fare Register Company. (See Ohmer, John F., Jr., assignor.)
Ohmer, Frederick L. (See Ohmer, John F. and F. L.)
Ohmer, John F. (See Fefell and Ohmer.)
Ohmer, John F., Dayton, Ohio. Ticket issuing and auditing machine. No. 1,274,192; July 30; v. 252; p. 1079.
Ohmer, John F., Jr., assignor to Ohmer Fare Register Company, Dayton, Ohio. Fare registering and recording machine. No. 1,255,561; Feb. 5; v. 247; p. 130.
Ohmer, John F. and F. L., Dayton, Ohio. Automobile-service recorder. No. 1,258,803; Mar. 12; v. 248; p. 287.
Ohmer, John F. and F. L., Dayton, Ohio. Speedometer. No. 1,262,835; Apr. 16; v. 249; p. 578.
Ohmer, John F. and F. L., Dayton, Ohio. Automobile-service recorder. No. 1,262,836; Apr. 16; v. 249; p. 578.
Ohmart, Lester E., Hope, Kans. Silo attachment. No. 1,276,801; Aug. 27; v. 253; p. 778.
Ohnell, Ernst J., trustee. (See Dreilick, Axel C. G., assignor.)
Ohnstrand, Enoch, assignor to O. M. Edwards, Syracuse, N. Y. Extension spring-roller. No. 1,252,832; Jan. 8; v. 246; p. 435.
Oil Mill Machinery & Manufacturing Company. (See Helm, Clyde D., assignor.)
Oil Well Supply Company. (See Greve, Edgar E., assignor.)
Oil Well Supply Company. (See Gnade, Edward R., assignor.)
Oil Well Supply Company. (See Mapes, Clarence T., assignor.)
Oitto, Richard H., Nemo, S. D. Feed-bag for horses. No. 1,259,897; Mar. 19; v. 248; p. 632.
Ojendyk, Henry W. (See Lorenz and Ojendyk.)
Okadee Company. (See Demarest, Thomas W., assignor.)
Okamoto, Daitake, North Yakima, Wash. Press. No. 1,289,528; Dec. 31; v. 257; p. 940.
Okazaki, Keinosuke, Los Angeles, Cal. Heat-retainer. No. 1,278,988; Sept. 17; v. 254; p. 504.
Okazaki, Umata, Kitaguchi, Okayama-Shi, Okayama-Ken, Japan, assignor to H. E. Ridings, Yokohama, Japan. Composition or pulp. No. 1,278,199; Sept. 10; v. 254; p. 261.
Okel, Fred, Wheeling, W. Va. Toy. No. 1,252,158; Jan. 1; v. 246; p. 209.
Okerfelt, Gust. (See Pfennighausen and Okerfelt.)
Okrassa, Roberto F. E., Antigua, Guatemala. Boiler. No. 1,270,195; June 18; v. 251; p. 640.
Okun, Morris B., Chicago, Ill. Chair. No. 1,279,414; Sept. 17; v. 254; p. 618.
Okun, Moses S., New York, N. Y. Centrifugal pump. No. 1,262,240; Apr. 9; v. 249; p. 382.
Olander, Alden C., Billings, Mont. Reserve-storage valve. No. 1,276,102; Aug. 20; v. 253; p. 549.
Olander, August H. (See Lostumo and Olander.)
Olander, Ernest V., Grand Rapids, Mich. Egg-beater and mixing-spoon. No. 1,272,506; July 16; v. 252; p. 551.
Olaneta, Harold. (See Wilhelm and Olaneta.)
Olasz, Jozsef, Aliquippa, Pa. Nutcracker. No. 1,268,484; June 4; v. 251; p. 118.
Old Colony Machine Company. (See Sharples and Crowe, assignors.)
Old Virginia Orchard Co. (See Simpson, Clarence H., assignor.)
Oldenbusch, Ernest, Brooklyn, N. Y. Cigarette-case. No. 1,288,150; Dec. 17; v. 257; p. 553.
Older, Roy B., assignor to Allith Prouty Company, Danville, Ill. Bolt. No. 1,282,115; Oct. 22; v. 255; p. 645.
Older, Roy B., assignor to Allith Prouty Company, Danville, Ill. Sliding-door bolt. No. 1,285,341; Nov. 19; v. 256; p. 557.
Oldfield, William H., Rochester, N. Y. Noiseless flushing-tank. No. 1,271,209; July 2; v. 252; p. 130.

Oldham, Joseph. (See Toomey and Oldham.)
Oldham, Richard, Jacksonville, Fla. Street-cleaning utensil. No. 1,266,522; May 14; v. 250; p. 483.
Oldham, Robert, Salt Lake City, Utah. Book-fumigator. No. 1,285,787; Nov. 26; v. 256; p. 709.
Oldham, Zack G., Los Angeles, Cal. Boxing-glove. No. 1,286,396; Dec. 3; v. 257; p. 52.
Oldroyd, Cyrus S., Knoxville, Tenn. Railway and means for laying the same. No. 1,288,151; Dec. 17; v. 257; p. 553.
Oldroyd, John P., Ealing, England. Implement or device for use in gardening operations. No. 1,266,523; May 14; v. 250; p. 484.
Olds, Luco L., *et al.* (See Biggers, Lee P., assignor.)
Oleen, Olof H. (See Oleen, William A. and O. H.)
Oleen, William A. and O. H., Columbia City, Oreg. Door opening and closing mechanism. No. 1,270,052; June 18; v. 251; p. 601.
Olejniczak, Kaiser, Buffalo, N. Y. Insect-trap. No. 1,271,355; July 2; v. 252; p. 169.
Oler, Henry D., Middletown, N. Y. Fluid-gage shield. No. 1,268,994; June 11; v. 251; p. 279.
Olerich, Earl, *et al.* (See Olerich, Henry, assignor.)
Olerich, H. A., *et al.* (See Olerich, Henry, assignor.)
Olerich, Harmon, *et al.* (See Olerich, Henry, assignor.)
Olerich, Henry, assignor of one-fifteenth to V. Olerich, Omaha, Nebr., one-fifteenth to J. Olerich, one-fifteenth to H. A. Olerich, one-fifteenth to H. Olerich, one-fifteenth to V. Olerich, one-fifteenth to R. Olerich, one-fifteenth to M. Ricke, one-fifteenth to H. Ricke, one-fifteenth to W. Ricke, one-fifteenth to B. Ricke, one-fifteenth to A. Ricke, one-fifteenth to F. Brinker, one-fifteenth to E. Olerich, and one-fifteenth to F. Van Erdewyk, Breda, Iowa. Tractor. No. 1,273,652; July 23; v. 252; p. 893.
Olerich, Joseph, *et al.* (See Olerich, Henry, assignor.)
Olerich, Robert, *et al.* (See Olerich, Henry, assignor.)
Olerich, Victor, *et al.* (See Olerich, Henry, assignor.)
Olerich, Viola, *et al.* (See Olerich, Henry, assignor.)
Olesen, Elisius J., Chicago, Ill. Demountable table-top. No. 1,266,981; May 21; v. 250; p. 643.
Olges, Theodore W. (See Kirker and Olges.)
Olin, Fred H., Boyne Falls, Mich. Dirigible headlight for automobiles. No. 1,278,496; Sept. 10; v. 254; p. 339.
Olin, Giles A., Siletz, Oreg. Tree-measuring device. No 1,274,315; July 30; v. 252; p. 1112.
Oline, Arthur, Minden, Nebr. Staple extractor or puller. No. 1,269,845; June 18; v. 251; p. 547.
Olinger, Elemuel I., Pollock, Mo. Planter. No. 1,262,084; Apr. 9; v. 249; p. 337.
Olinger, James R., Del Rey, Cal. Adjustable support for mirrors. No. 1,253,517; Jan. 15; v. 246; p. 667.
Olinger, Thomas, assignor to Holland Lighting & Specialty Co., Holland, Mich. Air-release cap for gas-bells of acetylene-generators. No. 1,283,875; Nov. 5; v. 256; p. 116.
Olinger, Thomas, and W. C. Fearell, assignors to Holland Lighting and Specialty Company, Holland, Mich. Clean-out for acetylene-generators. No. 1,252,938; Jan. 8; v. 246; p. 465.
Oliphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Air-lift booster. No. 1,275,592; Aug. 13; v. 253; p. 374.
Olish, George F., deceased, Minneapolis, Minn., P. S. Olish, executor. Nut-lock. No. 1,272,988; July 16; v. 252; p. 689.
Olish, Peter S., executor. (See Olish, George F.)
Olive, Henry G., Morenci, Ariz. Leaf-tobacco-packing case. No. 1,271,932; July 9; v. 252; p. 362.
Oliver, Andrew J., Chicago, Ill. Jack. No. 1,281,818; Oct. 15; v. 255; p. 525.
Oliver, Charles E., London, England. Wheel for road-vehicles. No. 1,271,068; July 2; v. 252; p. 89.
Oliver Chilled Plow Works. (See Altgelt, Rudolph J., assignor.)
Oliver Chilled Plow Works. (See Heylman, Edward M., assignor.)
Oliver Chilled Plow Works. (See Springer, William N., assignor.)
Oliver, Doctor F., Oakland, Cal. Pencil. No. 1,253,711; Jan. 15; v. 246; p. 724.
Oliver, Doctor F., Oakland, Cal. Pencil-sharpener. No. 1,267,791; May 28; v. 250; p. 895.
Oliver, Doctor F., Oakland, Cal. Seat suspension. No. 1,267,792; May 28; v. 250; p. 895.
Oliver, Doctor F., Oakland, Cal. Convertible coupé-body. No. 1,267,793; May 28; v. 250; p. 896.
Oliver, Doctor F., Oakland, Cal. Auto-door latch. No. 1,267,794; May 28; v. 250; p. 896.
Oliver, Doctor F., deceased, Oakland, Cal.; L. F. Oliver, executrix. Shock-absorber. No. 1,260,018; Mar. 19; v. 248; p. 668.
Oliver, Doctor F., deceased, Oakland, Cal.; L. F. Oliver, executrix. Shock-absorber. No. 1,260,019; Mar. 19; v. 248; p. 668.
Oliver, Doctor F., deceased, Oakland, Cal.; L. F. Oliver, executrix. Door-buffer. No. 1,262,551; Apr. 9; v. 249; p. 469.
Oliver, Doctor F., deceased, Oakland, Cal.; L. F. Oliver, executrix. Vehicle-top. No. 1,275,981; Aug. 13; v. 253; p. 484.
Oliver, Doctor F., deceased, Oakland, Cal., L. F. Oliver, executrix. Seat suspension. No. 1,278,730; Sept. 10; v. 254; p. 403.
Oliver, Doctor F., deceased; L. F. Oliver, executrix, Oakland, Cal. Vehicle-body. No. 1,286,741; Dec. 3; v. 257; p. 133.
Oliver, Earle N. (See Crompton and Oliver.)
Oliver, Henry, Edgeworth, Pa. Apparatus for applying nuts to bolts. No. 1,282,116; Oct. 22; v. 255; p. 645.
Oliver Iron & Steel Company. (See Fassinger, Charles, assignor.)
Oliver, John W., Weehawken, N. J. Clamping device. No. 1,283,876; Nov. 5; v. 256; p. 116.
Oliver, Lillie B., executrix. (See Oliver, Doctor F.)
Oliver, Roy J., Prescott, Ariz. Mail-box. No. 1,262,382; Apr. 9; v. 249; p. 422.
Oliver, Thomas B., Montgomery, Tenn. Combination farming implement. No. 1,269,111; June 11; v. 251; p. 312.
Oliver, Walter M., Parsons, Kans. Pulverized-coal-burning furnace. No. 1,257,103; Feb. 19; v. 247; p. 658.
Oliver, William F., Oakland, and B. W. Graves, San Jose, Cal. Truck. No. 1,284,923; Nov. 12; v. 256; p. 413.
Oliver, William H., Oshkosh, Wis. Holder-clamp for ironing-machines. No. 1,274,441; Aug. 6; v. 253; p. 28.
Olivier, Henri, Paris, France. Vulcanization of india-rubber and other similar substances. No. 1,256,496; Feb. 12; v. 247; p. 445.
Ollard, James C., Tacoma, Wash., assignor to Ollard Trolley Wheel Company, Dover, Del. Logging-block bearing. No. 1,251,686; Jan. 1; v. 246; p. 74.
Ollard Trolley Wheel Company. (See Ollard, James C., assignor.)
Olley, Edwin A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Panel-board support. No. 1,265,364; May 7; v. 250; p. 135.
Ollom, Clarence O., and O. Hickman, Huntington, W. Va. Folding crate. No. 1,282,117; Oct. 22; v. 255; p. 646.
Olmsted, Alexander H., Bowdon, and L. Boothman, Stretford, England, assignors to Westinghouse Electric and Manufacturing Company. Multiple-switch starter. No. 1,280,076; Sept. 24; v. 254; p. 828.
Olmsted, George C., Minneapolis, Minn. Automatic intermittent control for internal-combustion engines. No. 1,269,637; June 18; v. 251; p. 489.
Olmsted, Osmond W., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,268,605; June 4; v. 251; p. 153.
Olmsted, Osmond W., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,278,497; Sept. 10; v. 254; p. 340.
Olsen, Alfred G., Elkhorn, Wis. Closure for concrete-mixers. No. 1,259,769; Mar. 19; v. 248; p. 594
Olsen, Alfred N., Rock Rapids, Iowa. Registering pool-rack. No. 1,286,075; Nov. 26; v. 256; p. 780.
Olsen, Anders J., Thorhult, Minn. Walking-tractor. No. 1,287,086; Dec. 10; v. 257; p. 256.
Olsen, Charles A., and L. C. Mapes, Sioux Falls, S. D. Clothes-line and fastening device. No. 1,268,606; June 4; v. 251; p. 153.
Olsen, Charles J., New York, N. Y. Rowing-boat. No. 1,273,176; July 23; v. 252; p. 765.
Olsen, Charles J., Brooklyn, N. Y. Ship-propelling mechanism. No. 1,281,643; Oct. 15; v. 255; p. 476.
Olsen, Clarence A., Yankton, S. D. Dust-pan. No. 1,287,406; Dec. 10; v. 257; p. 337.
Olsen, Edwin O., assignor of one-fourth to F. Marggraff, one-fourth to A. Marggraff, and one-fourth to H. Marggraff, Milwaukee, Wis. Expansion-valve for refrigerating apparatus. No. 1,286,397; Dec. 3; v. 257; p. 52.
Olsen, Ernest R., assignor to G. W. Olsen, Muskegon, Mich. Internal-combustion engine. No. 1,266,849; May 21; v. 250; p. 605.
Olsen, Frederik J., Eskebjerggaard per Svebölle, Denmark. Free-wheel hub with a plurality of gears. No. 1,252,939; Jan. 8; v. 246; p. 466.
Olsen, George W. (See Olsen, Ernest R., assignor.)
Olsen, Hans A., assignor to A/S. Thunes mekaniske Verksted, Sköien, near Christiania, Norway. Automatic screw-cutting machine. No. 1,287,736; Dec. 17; v. 257; p. 449.
Olsiewsky, Aleksander, River Rouge, Mich. Scrubbing-machine. No. 1,286,076; Nov. 26; v. 256; p. 780.
Olson, Anders, Minneapolis, Minn. Sand and water heater. No. 1,275,464; Aug. 13; v. 253; p. 340.
Olson, Andrew P., Chicago, Ill. Combination-tool. No. 1,257,383; Feb. 26; v. 247; p. 775.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Grinding-machine. No. 1,259,770; Mar. 19; v. 248; p. 594.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Wheel-dressing device. No. 1,266,707; May 21; v. 250; p. 567.
Olson, Carl G., and J. R. Richer, assignors to Illinois Tool Works, Chicago, Ill. Hob-testing machine. No. 1,254,062; Jan. 22; v. 246; p. 842.

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Olson, Charles A., assignor to Crane Company, Chicago, Ill. Pipe-fitting. No. 1,255,562; Feb. 5; v. 247; p. 130.
Olson, Charles J., Muskegon, Mich. Pneumatically-operated chain saw. No. 1,260,701; Mar. 26; v. 248; p. 899.
Olson, Charles J., Muskegon, Mich. Pneumatically-operated chain saw. No. 1,260,702; Mar. 26; v. 248; p. 899.
Olson, George A., Pullman, Wash., assignor, by mesne assignments, to the Government of the United States and to the People Thereof. Drying gluten. No. 1,289,883; Dec. 31; v. 257; p. 1027.
Olson, Gustaf, assignor of one-half to E. F. Engel, Chicago, Ill. Needle-cutter. No. 1,259,434; Mar. 12; v. 248; p. 467.
Olson, Gustaf, assignor of one-half to L. Greenberg and one-sixth to W. M. McEwen, Chicago, Ill. Driving mechanism for electric fans. No. 1,269,209; June 11; v. 251; p. 340.
Olson, Hans M., Lompoc, assignor of one-fourth to H. W. Becker, one-fourth to M. A. Balaam, and one-fourth to A. G. Balaam, Santa Barbara, Cal. Heat-insulating composition. No. 1,257,922; Feb. 26; v. 247; p. 933.
Olson, Hans M., Los Angeles, Cal. Making waterproof cement and product. No. 1,283,546; Nov. 5; v. 256; p. 29.
Olson, John, assignor to James Manufacturing Company, Fort Atkinson, Wis. Bull-staff. No. 1,263,099; Apr. 16; v. 249; p. 654.
Olson, John A., *et al.* (See Anderson, Charles A., assignor.)
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Drinking-receptacle for cattle. No. 1,274,440; Aug. 6; v. 253; p. 28.
Olson, John J., Belview, Minn. Automobile-jack. No. 1,254,527; Jan. 22; v. 246; p. 975.
Olson, John J., Belview, Minn. Combined shirt and trousers supporter. No. 1,274,582; Aug. 6; v. 253; p. 69.
Olson, John O., assignor of one-half to J. Marzlof, St. Paul, Minn. Blow-torch. No. 1,261,277; Apr. 2; v. 249; p. 81.
Olson, John W., *et al.* (See Paquette, Herman A., assignor.)
Olson, Karl E., Irvington, N. J. Imitation gold or colored leaf. No. 1,267,445; May 28; v. 250; p. 798.
Olson, Lars, Winnipeg, Manitoba, Canada. Lock. No. 1,267,894; May 28; v. 250; p. 925.
Olson, Loues T., Detroit, Mich. Dumping apparatus. No. 1,255,038; Jan. 29; v. 246; p. 1153.
Olson, Manie, Mount Vernon, Wash. Cable-clamp. No. 1,256,824; Feb. 19; v. 247; p. 576.
Olson, Nels L., Detroit, Mich. Vehicle-wheel. No. 1,263,697; Apr. 23; v. 249; p. 839.
Olson, Nels L., Detroit, Mich. Tractor. No. 1,276,949; Aug. 27; v. 253; p. 816.
Olson, Nels L., Detroit, Mich. Tractor attachment for automobiles. No. 1,285,342; Nov. 19; v. 256; p. 558.
Olson, Nels L., Highland Park, Mich. Tractor attachment for automobiles. No. 1,285,343; Nov. 19; v. 256; p 558.
Olson, Nels P., Denver, Colo. Metallic building construction. No. 1,284,758; Nov. 12; v. 256; p. 370.
Olson, Ole, Canby, Minn. Fence-post puller. No. 1,261,600; Apr. 2; v. 249; p. 172.
Olson, Ole, Jr., Avoca, Minn. Self-dumping gear for harvesters. No. 1,266,040; May 14; v. 250; p. 352.
Olson, Oscar A., Ames, Iowa. Lettering-triangle. No. 1,262,971; Apr. 16; v. 249; p. 616.
Olson, Oscar A., Ames, Iowa. Pencil. No. 1,262,972; Apr. 16; v. 249; p. 617.
Olson, Oscar A. and W., Leader, Minn. Internal-combustion engine. No. 1,257,104; Feb. 19; v. 247; p. 658.
Olson, Oscar E., Flint, Mich. Automobile-door latch. No. 1,269,846; June 18; v. 251; p. 547.
Olson, Oscar L., St. Paul, Minn., assignor of one-half to F. H. Douthitt, Clinton, Iowa, and one-half to A. E. Soderlind, Braham, Minn. Check-row potato-planter. (Reissue.) No. 14,422; Jan. 15; v. 246; p. 809.
Olson, Oscar L., assignor of two-thirds to E. E. Hegstrom, Braham, Minn. Hitching device. No. 1,268,796; June 4; v. 251; p. 206.
Olson, Palmer M., Fort Ransom, N. D. Wire-raiser. No. 1,274,756; Aug. 6; v. 253; p. 119.
Olson, Thomas M., Hudson, Wis. Cotton-picker. No. 1,283,277; Oct. 29; v. 255; p. 987.
Olson, Victor, Naugatuck, Conn. Automatic headlight-dimmer for automobiles. No. 1,256,362; Feb. 12; v. 247; p. 406.
Olson, Walter. (See Olson, Oscar A. and W.)
Olsson, Henry A., assignor to The Bromwell Brush and Wire Goods Company, Cincinnati, Ohio. Automatic stopping and locking device for brush-machines. No. 1,255,921; Feb. 12; v. 247; p. 273.
Olsson, Zacharias, assignor to August Rust-Oppenheim, New York, N. Y. Apparatus for determining the quantity of carbon dioxid in flue-gases. No. 1,260,020; Mar. 19; v. 248; p. 669.
Olszewski, Sylvester, Detroit, Mich. Wheel. No. 1,283,877; Nov. 5; v. 256; p. 117.
Oltean, Andrei, Mohawk, Mich. Door-lock. No. 1,255,106; Jan. 29; v. 246; p. 1172.
Oltmanns, Bernhardt J., Peoria, Ill. Two-part wheel-rim for tires. No. 1,282,457; Oct. 22; v. 255; p. 737.
Olver, Alfred W., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory ceramic article and making the same. No. 1,273,529; July 23; v. 252; p. 859.
Olwell, Lawrence A., Milwaukee, Wis. Brief-case. No. 1,261,159; Apr. 2; v. 249; p. 47.
Olympian Motors Company. (See Palmer, Randall A., assignor.)
Omerzo, Joseph, Chicago, Ill. Railway-crossing gate. No. 1,268,050; May 28; v. 250; p. 968.
Omohundro, Robert L., Roanoke, Va. Coat-hanger. No. 1,262,085; Apr. 9; v. 249; p. 337.
Onan, David W., Minneapolis, Minn. Oiling device. No. 1,286,398; Dec. 3; v. 257; p. 53.
Onderdonk, Lansing, New York, N. Y. Stamp-affixing machine. No. 1,289,237; Dec. 31; v. 257; p. 867.
Onderdonk, Lansing, New York, N. Y. Serving mechanism. No. 1,289,238; Dec. 31; v. 257; p. 868.
Onderdonk, Lansing, New York, N. Y. Moistening device for stamp-affixing machines. No. 1,289,239; Dec. 31; v. 257; p. 868.
Onderdonk, Lansing, New York, N. Y. Stamp-affixing machine. No. 1,289,240; Dec. 31; v. 257; p. 868.
Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,265,812; May 14; v. 250; p. 287.
Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for overseaming-machines. No. 1,275,295; Aug. 13; v. 253; p. 293.
Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Needle-clamp for sewing-machines. No. 1,276,950; Aug. 27; v. 253; p. 817.
Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Variable thread-controlling mechanism for sewing-machines. No. 1,277,250; Aug. 27; v. 253; p. 896.
Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Fabric guiding and uncurling device. No. 1,282,458; Oct. 22; v. 255; p. 738.
Onderkirk, Charles W., Detroit, Mich. Shaft-coupling. No. 1,261,278; Apr. 2; v. 249; p. 81.
Ondrak, Jacob A., Brooklyn, N. Y. Skeleton girdle or belt. No. 1,279,141; Sept. 17; v. 254; p. 543.
103 Degree Incubator Company. (See Kaiser, Peter, assignor.)
One Wheel Truck Company. (See Goodhart, Louis, assignor.)
Oneida Community. (See Burnham, Chester W., assignor.)
Onepiece Bifocal Lens Company. (See Pearson, John H., assignor.)
Oney, Hugh R., and L. V. Ransom, Sistersville, W. Va. Cigar-rolling machine. No. 1,280,528; Oct. 1; v. 255; p. 115.
Ontario Knife Company. (See Burritt, Walter L., assignor.)
Opalka, Oscar G., Cambridge, Ill. Corn-uncoverer. No. 1,289,884; Dec. 31; v. 257; p. 1027.
Operaphone Manufacturing Corporation. (See Fletcher, John, assignor.)
Opotow, Nathan, New York, N. Y. Dentist's flask. No. 1,256,589; Feb. 19; v. 247; p. 508.
Opfer, Benjamin C., Waukon, Iowa. Food-grinder attachment. No. 1,281,198; Oct. 8; v. 255; p. 325.
Ophuls, Fred, Brooklyn, N. Y. Apparatus for ice manufacture. No. 1,267,795; May 28; v. 250; p. 896.
Oppenheim, Eli, assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md. Combination-garment. No. 1,254,630; Jan. 22; v. 246; p. 1005.
Oppenheim, Eli, assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md. Ventilated-suspensory-crotch garment. No. 1,255,820; Feb. 5; v. 247; p. 204.
Oppenheim, Leo, New York, N. Y., assignor to Ideal Specialties Manufacturing Corporation. Paper-fastener. No. 1,271,607; July 9; v. 252; p. 272.
Oppenheim, Oberndorf & Co. (See Oppenheim, Eli, assignor.)
Oppenheim, Simon R., Keeler, Cal. Kelp-drier. No. 1,266,041; May 14; v. 250; p. 352.
Oppenheim, Simon R., Keeler, Cal. Apparatus for incinerating kelp and like materials. No. 1,282,708; Oct. 22; v. 255; p. 806.
Oppenheim, Simon R., Keeler, Cal. Recovery of pure potassium salts from kelp and like materials. No. 1,283,547; Nov. 5; v. 256; p. 29.
Oppenheimer, Max, and S. L. Ashenfarb, New York, N. Y. Attachment on frames for hand-mirrors. No. 1,272,703; July 16; v. 252; p. 608.
Opsahl, Martin, Aure, Minn. Harness-tag. No. 1,280,529; Oct. 1; v. 255; p. 115.
Opsal, Andrew, Vancouver, British Columbia, Canada. Log-loading boom. No. 1,279,746; Sept. 24; v. 254; p. 734.
Oquist, Charles, Neosho, Mo. Plow. No. 1,268,051; May 28; v. 250; p. 968.

Orance, Peter, New York, N. Y. Combined manifold and humidified-air-injecting device for internal-combustion engines. No. 1,259,123; Mar. 12; v. 248; p. 381.
Orange, John A., Schenectady, N. Y., assignor to General Electric Company. Headlight. No. 1,258,139; Mar. 5; v. 248; p. 55.
Orange, John A., Schenectady, N. Y., assignor to General Electric Company. Condenser for projection apparatus. No. 1,269,496; June 11; v. 251; p. 418.
Orange, John A., Schenectady, N. Y., assignor to General Electric Company. Electric lamp. No. 1,279,415; Sept. 17; v. 254; p. 618.
Orban, Stefan, New York, and J. T. McNair, Brooklyn, N. Y. Tool for facilitating the regrinding of ignition contact-points. No. 1,285,344; Nov. 19; v. 256; p. 558.
Orbon Stove Company. (See Mueller, Jacob W., assignor.)
Orchestrelle Company, The. (See Mowbray, Frank H., assignor.)
Orcutt Automatic Train Control Company. (See La Count, Eldridge I., assignor.)
Orcutt Automatic Train Control Company. (See Orcutt, Edward L., assignor.)
Orcutt, Edward L., deceased; E. N. Hutchins, Somerville, and E. E. Eames, administrators, assignors to Orcutt Automatic Train Control Company, Worcester, Mass. Automatic electrically-actuated train-control system. No. 1,285,345; Nov. 19; v. 256; p. 558.
Ordakowski, Felix, Clarksburg, W. Va. Window and screen. No. 1,262,552; Apr. 9; v. 249; p. 469.
Ordnance Improvement Company. (See Gerdom, Clarence, assignor.)
Ordway, Joseph H., Brookline, Mass. Means for stiffening box-toes. No. 1,251,914; Jan. 1; v. 246; p. 140.
Ordway, Joseph H., Brookline, Mass. Manufacture of box-toes. No. 1,252,298; Jan. 1; v. 246; p. 248.
Ordway, Joseph H., Brookline, Mass. Press. No. 1,281,819; Oct. 15; v. 255; p. 525.
Ore, David A., Mountain Grove, Mo. Bait-carrying attachment for fish-hooks. No. 1,261,601; Apr. 2; v. 249; p. 172.
Oré, Ernest, Caen, France. Manufacture of ammonia. No. 1,266,147; May 14; v. 250; p. 382.
Orem, Frederick S., Baltimore, Md. Carbureter. No. 1,254,723; Jan. 29; v. 246; p. 1062.
Orenbuch, Samuel, and N. Rozinsky, Pittsburgh, Pa. Armor or protector for infantrymen. No. 1,274,757; Aug. 6; v. 253; p. 119.
Orewiler, Benjamin F., Chicago, Ill. Combined tape and attaching-member retainer. No. 1,260,438; Mar. 26; v. 248; p. 820.
Orewiler, Benjamin F., assignor to Kabo Corset Co., Chicago, Ill. Brassière-buckle. No. 1,267,895; May 28; v. 250; p. 926.
Orewiler, Benjamin F., Chicago, Ill. Buckle. No. 1,282,925; Oct. 29; v. 255; p. 894.
Orizaroff, Zvetko, Harrisburg, Pa. Picture-holder. No. 1,285,346; Nov. 19; v. 256; p. 559.
Orme, Harry A., Washington, D. C. Self-feeding soldering-iron. No. 1,268,877; June 11; v. 251; p. 246.
Ormes, William R., Waltham, assignor to Universal Safety Tread Company, Boston, Mass. Machine for making stair-treads and the like. No. 1,288,663; Dec. 24; v. 257; p. 704.
Ormiston, Perley L., Days Creek, Oreg. Combined pencil-sharpener and attaching-clip. No. 1,275,982; Aug. 13; v. 253; p. 484.
Ormstrup, Viggo, Glens Falls, N. Y. Threadless nut. No. 1,256,250; Feb. 12; v. 247; p. 372.
Ornberg, Ivan. (See Laporte and Ornberg.)
Ornberg, Ivan, Detroit, Mich., assignor to Hupp Motor Car Corporation, Richmond, Va. Drive-chain retainer. No. 1,282,118; Oct. 22; v. 255; p. 646.
Oros, Michael, Seattle, Wash. Lamp-burner. No. 1,254,623; Jan. 22; v. 246; p. 1003.
Orr, Chambers S., Springdale, Pa. Combination-tool for painters' use. No. 1,261,844; Apr. 9; v. 249; p. 274.
Orr, Clark, Fort Wayne, Ind., assignor to General Electric Company. Rotary refrigerating-machine. No. 1,273,653; July 23; v. 252; p. 893.
Orr, Clark, Fort Wayne, Ind., assignor to General Electric Company. Rotary refrigerating-machine. No. 1,281,820; Oct. 15; v. 255; p. 525.
Orr, Clark, Fort Wayne, Ind., assignor to General Electric Company. Rotary refrigerating-machine. No. 1,281,821; Oct. 15; v. 255; p. 525.
Orr, Edward E. (See Allen and Orr.)
Orr, Gaylord A., Cripple Creek, Colo. Tire-filler. No. 1,282,622; Oct. 22; v. 255; p. 782.
Orr, John S., Augusta, Ky. Shoe-sole. No. 1,255,458; Feb. 5; v. 247; p. 99.
Orr, Joseph, Verona, N. J. Starting device. No. 1,256,156; Feb. 12; v. 247; p. 344.
Orr, Nathaniel M., and G. D. Snider, Blacksburg, Va. Detachable-bladed razor. No. 1,269,497; June 11; v. 251; p. 418.
Orr, Robert P., Albany, N. Y. Yoke or shoulder weight-carrier. No. 1,281,822; Oct. 15; v. 255; p. 526.
Orr, Robert P. and R. A., Albany, N. Y. Clamping shoe-horn. No. 1,271,069; July 2; v. 252, p. 89.
Orr, Russell A. (See Orr, Robert P. and R. A.)
Orr & Sembower. (See Bomberger, Moses, assignor.)
Orr, William G. D., Galesburg, Ill. Composition of matter for surfacing roads. No. 1,261,845; Apr. 9; v. 249; p. 274.
Ortega, Félix R. (See Hernández and Ortega.)
Ortengren, Alfred, Hoboken, assignor to E. Christie, Weehawken, N. J. Tractor driving-gear. No. 1,262,837; Apr. 16; v. 249; p. 579.
Orth, Frank, Indiana Harbor, Ind. Roof construction for furnaces. No. 1,265,493; May 7; v. 250; p. 170.
Orth, Johannes, Berlin, Germany, assignor to General Electric Company. Electrical apparatus. No. 1,275,083; Aug. 6; v. 253; p. 210.
Ortiz, Julien, Greenville, Del. Floating base for hydro-aeroplanes. No. 1,287,737; Dec. 17; v. 257; p. 449.
Orton, Myron, Vineland, N. J. Producing theatrical illusions. No. 1,262,553; Apr. 9; v. 249; p. 469.
Ortt, Rowley K., Dixon, Ill. Tail or controller for bombs. No. 1,282,709; Oct. 22; v. 255; p. 806.
Orville Simpson Company, The. (See Simpson, Lowe E., assignor.)
Orvin, Ransom G., Bromley, Ala. Sap-gatherer. No. 1,283,878; Nov. 5; v. 256; p. 117.
Orvis, Annie D. (See Orvis, Orland D., assignor.)
Orvis, Orland D., assignor to A. D. Orvis, New York, N. Y. Smoke-consuming furnace. No. 1,267,446; May 28; v. 250; p. 799.
Orvold, Oluf L., St. Paul, assignor of one-half to F. E. Bewyer, Minneapolis, Minn. Measuring device. No. 1,271,486; July 2; v. 252; p. 204.
Osborn, Albert D. (See Taylor and Osborn.)
Osborn, Alden E., New York, N. Y. Internal-combustion engine. No. 1,279,578; Sept. 24; v. 254; p. 686.
Osborn, Clyde S., Bessville, Mo. Sectional washer. No. 1,288,973; Dec. 24; v. 257; p. 778.
Osborn, Francis C., Detroit, Mich. Scale. No. 1,289,885; Dec. 31; v. 257; p. 1027.
Osborn Manufacturing Company, The. (See Stoney, John T., assignor.)
Osborn, James T., assignor of one-half to C. K. McGee, West Point, Miss. Concrete door-step. No. 1,265,949; May 14; v. 250; p. 327.
Osborn, William H., Seattle, Wash. Door-hinge. No. 1,284,135; Nov. 5; v. 256; p. 185.
Osborne, Charles E. (See Nystrom, Martin, assignor.)
Osborne, Edith A., *et al.*, executors. (See Drew, Arthur.)
Osborne, Elmer L., assignor to Rands Manufacturing Company, Detroit, Mich. Wind-shield pivot. No. 1,280,822; Oct. 8; v. 255; p. 223.
Osborne, George, Cutler, Wis. Road-scraper. No. 1,273,654; July 23; v. 252; p. 894.
Osborne, John S., Stockton, Cal. Baking-oven. No. 1,278,200; Sept. 10; v. 254; p. 261.
Osborne, Thomas J., Premier, W. Va. Shelf-bracket. No. 1,279,416; Sept. 17; v. 254; p. 618.
Osborne, William H. (See Drew, Arthur, assignor.)
Osborne, William J., Walla Walla, Wash. Husking apparatus. No. 1,268,384; June 4; v. 251; p. 90.
Osborne, William L., Chicago, Ill., assignor to The Richardson-Phenix Co., Milwaukee, Wis. Self-acting cushion and check valve. No. 1,252,940; Jan. 8; v. 246; p. 466.
Osbourne, Richard B., Ingram borough, assignor to Phillips Mine and Mill Supply Co., Pittsburgh, Pa. Car-stop. No. 1,289,886; Dec. 31; v. 257; p. 1027.
Osburn, Charles L., Aberdeen, S. D. Window device. No. 1,278,376; Sept. 10; v. 254; p. 309.
Osburn, Sylvester V., Coffeyville, Kans. Tank-car. No. 1,264,327; Apr. 30; v. 249; p. 1045.
Osgood, Dana, and A. E. Rhoades, assignors, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-end finder. No. 1,256,251; Feb. 12; v. 247; p. 372.
Osgood, George L., Ayer, Mass. Collar-pouch. No. 1,261,846; Apr. 9; v. 249; p. 274.
Osgood, Lafayette E., Endeavor, Pa. Bottle-cap remover. No. 1,270,315; June 25; v. 251; p. 698.
Osgood, Walter P., Malden, assignor to T. J. Edwards, Melrose, Mass. Embossing-machine. No. 1,252,299; Jan. 1; v. 246; p. 248.
Oshkosh Manufacturing Company. (See Bush, Charles A., assignor.)
Oshkosh Trunk Company, The. (See Bartlett, John H., assignor.)
Oshkosh Trunk Company, The. (See Meyer, Frank W., assignor.)
Osler, John B., Kenesaw, Nebr. Automobile-bed. No. 1,266,042; May 14; v. 250; p. 352.
Osler, Louis, Fort Morgan, Colo. Combined rail-chair and splice-plate. No. 1,281,199; Oct. 8; v. 255; p. 326.
Osley, Willard A., Springfield, Mass. Hose-band. No. 1,268,761; June 4; v. 251; p. 195.
Oslund, Charles H. (See Johnson and Oslund.)
Osness, Edwin G., Huntley, Mont. Swingletree-hook. No. 1,278,990; Sept. 17; v. 254; p. 504.
Osol, Fritz E. (See Barron and Osol.)
Osowski, Felix A., Detroit, Mich. Making gas. No. 1,259,898; Mar. 19; v. 248; p. 632.
Ossman, Michael J., Leadville, Colo. Toy. No. 1,253,712; Jan. 15; v. 246; p. 724.
Ossman, Michael J., Leadville, Colo. Hatchet. No. 1,253,713; Jan. 15; v. 246; p. 724.

Ossman, Michael J., Leadville, Colo. Combination glazier's tool. No. 1,264,430; Apr. 30; v. 249; p. 1075.
Ossry, David, Portland, Oreg. Supporting-cradle attachment for ironing-boards. No. 1,278,072; Sept. 3; v. 254; p. 202.
Ostberg, Albert H., Aurora, Ill. Safety device for jacks. No. 1,289,241; Dec. 31; v. 257; p. 868.
Osteen, Percy C., Anderson, S. C. Autographic camera. No. 1,251,915; Jan. 1; v. 246; p. 140.
Ostenberg, John A., Campbell, Cal. Earth-tilling machine. No. 1,255,331; Feb. 5; v. 247; p. 62.
Ostenberg, Pontus, San Jose, Cal. Centrifugal pump. No. 1,273,913; July 30; v. 252; p. 1001.
Ostendorf, Otto L., Rochester, N. Y. Locking mechanism for reclining-chairs. No. 1,255,563; Feb. 5; v. 247; p. 131.
Oster, Herman W., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Tap. No. 1,258,239; Mar. 5; v. 248; p. 84.
Oster, Herman W., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Mechanism for closing and finishing the ends of metal tubes. No. 1,280,823; Oct. 8; v. 255; p. 223.
Oster Manufacturing Company, The. (See Oster, Herman W., assignor.)
Oster, Matthew C., Denton, Mont. Transmission mechanism. No. 1,276,951; Aug. 27; v. 253; p. 817.
Osterberg, August F. (See Osterberg, Henry G. and A. F.)
Osterberg, Carl I., Scranton, R. I., assignor to O. C. Devereux Company. Stud. No. 1,281,997; Oct. 15; v. 255; p. 571.
Osterberg, Henry G., Brighton, Mass., and A. F. Osterberg, Auburn, N. Y. Candy-coating machine. No. 1,270,316; June 25; v. 251; p. 698.
Ostenberg, Pontus, near San Jose, Cal. Centrifugal pump. No. 1,283,879; Nov. 5; v. 256; p. 117.
Ostercamp, Andrew, *et al.* (See Conard, Abraham N., assignor.)
Ostergren, Oscar P., Brooklyn, assignor of one-half to E. Anderson, New York, N. Y. Internal-combustion engine. No. 1,281,644; Oct. 15; v. 255; p. 477.
Osterhout, Garret B., Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing-machine take-up. No. 1,253,518; Jan. 15; v. 246; p. 667
Osterhout, Garret B., Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Looper and looper mechanism. No. 1,253,519; Jan. 15; v. 246; p. 668.
Osterreichische Siemens-Schuckert-Werke and Regal-Patente-Gesellschaft m. b. H. (See Fanta and Wessely, assignors.)
Ostertag, John H., Columbia, Pa. Drying-tumbler. No. 1,253,520; Jan. 15; v. 246; p. 668.
Osterweil, Sydney, assignor to L. Goldsmith & Son, Newark, N. J. Hat-form. No. 1,281,645; Oct. 15; v. 255; p. 477.
Ostheimer, Adam, Cleveland, Ohio. Automatic thermostatic control for incubators. No. 1,269,112; June 11; v. 251; p. 312.
Ostman, Johan W., and C. B. Goodwin, Winnipeg, Manitoba, Canada. Window-screen. No. 1,263,460; Apr. 23; v. 249; p. 775.
Ostram, Roy A., assignor to Duluth Show Case Company, Duluth, Minn. Store-fixture. No. 1,272,989; July 16; v. 252; p. 689.
Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Car construction. No. 1,256,157; Feb. 12; v. 247; p. 344.
Ostrander, Allen E. Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Safety attachment for shipping-tanks. No. 1,256,158; Feb. 12; v. 247; p. 344.
Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Car construction. No. 1,256,159; Feb. 12; v. 247; p. 345.
Ostrander, James H., Chicago, Ill. Eyeglass construction. No. 1,261,279; Apr. 2; v. 249; 81.
Ostrander, Stewart A. (See Lamet, Hille J., assignor.)
Ostrom, Charles R., Sr., Portsmouth, Ohio. Automatic stop mechanism for knitting-machines. No. 1,257,518; Feb. 26; v. 247; p. 815.
Ostrom, Charles R., Sr., Portsmouth, Ohio. Locking device for stop-motions of knitting-machines. No. 1,287,087; Dec. 10; v. 257; p. 256.
Ostroske, Anthony, Detroit, Mich. Keyless lock. No. 1,272,303; July 9; v. 252; p. 469.
Ostrovsky, Harry, Bayswater, London, England. Safety-razor. No. 1,280,824; Oct. 8; v. 255; p. 223.
Ostrow, Louis, New York, N. Y. Publisher's mechanical lay-out and bulletin apparatus and method. No. 1,261,847; Apr. 9; v. 249; p. 274.
Ostrowiecki, Marcin, assignor of one-half to F. Tarnawski, Chicago, Ill. Ship-protector. No. 1,261,848; Apr. 9; v. 249; p. 275.
Ostrowski, Lewis J., Duryea, Pa. Train-alarm system. No. 1,286,743; Dec. 3; v. 257; p. 134.
Otarii, Roy M., and T. R. Schoenleber, Seattle, Wash. Feeding mechanism. No. 1,262,383; Apr. 9; v. 249; p. 423.
Otey, Monroe J. (See Kemp, Jacob G., assignor.)
Otis, Asa. (See Miller, William J., assignor.)
Otis, Daniel H., Madison, Wis. Bookkeeping system. No. 1,253,714; Jan. 15; v. 246; p. 724.
Otis Elevator Company. (See Furlow, Floyd C., assignor.)
Otis Elevator Company. (See Gale, Ernest L., Sr., assignor.)
Otis Elevator Company. (See Greiner, Otto, assignor.)
Otis Elevator Company. (See Ihlder, John D., assignor.)
Otis Elevator Company. (See Larson, David C., assignor.)
Otis Elevator Company. (See Lindquist and Hymans, assignors.)
Otis Elevator Company. (See Lindquist and Larson, assignors.)
Otis Elevator Company. (See Lindquist and Manville, assignors.)
Otis Elevator Company. (See Lutz, William D., assignor.)
Otis Elevator Company. (See Reno, Jesse W., assignor.)
Otis Elevator Company. (See Ritter, Isaac B., assignor.)
Otis Elevator Company. (See Smith, Guy B., assignor.)
Otis Elevator Company. (See Strang, Walter C., assignor.)
Otis Elevator Company. (See Sundh, August, assignor.)
Otis-Flagg Corporation. (See Cooper, Isidor, assignor.)
Otis-Flagg Corporation. (See Cooper and Presbrey, assignors.)
Otis, Gerald E., Buffalo, assignor to Angular Drill & Machine Corporation, New York, N. Y. Cam for square-hole drills. No. 1,266,148; May 14; v. 250; p. 382.
Otis, Gerald E., Buffalo, N. Y., assignor of one-half to W. J. Towers, Toledo, Ohio. Polygonal-hole drill. No. 1,289,242; Dec. 31; v. 257; p. 869.
Otis, Gerald E., Buffalo, N. Y., assignor of one-half to W. J. Towers, Toledo, Ohio. Cam for square-hole drills. No. 1,289,243; Dec. 31; v. 257; p. 869.
Otis, Gerald E., Buffalo, N. Y., assignor of one-half to W. J. Towers, Toledo, Ohio. Making polygonal guides. No. 1,289,887; Dec. 31; v. 257; p. 1028.
Otis, John F., Oswego, N. Y. Steam-generator. No. 1,257,519; Feb. 26; v. 247; p. 815.
Otness, Melvin J., Stony Plain, Alberta, Canada. Hat-retainer. No. 1,272,507; July 16; v. 252; p. 551.
Otreba, John, Amherst, Mass. Detachable horseshoe. No. 1,283,549; Nov. 5; v. 256; p. 29.
Ott, Gustus A., Bucyrus, Ohio. Strainer. No. 1,283,278; Oct. 29; v. 255; p. 988.
Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Electrode-holder for electric-arc lamps. No. 1,273,915; July 30; v. 252; p. 1002.
Ott, Johann K., Bischofszell, Switzerland. Change-speed gear. No. 1,277,251; Aug. 27; v. 253; p. 897.
Ott, John H. (See Mulig, Frank, assignor.)
Ottaviani, Domenico, Dayton, Ohio. Submarine. No. 1,266,305; May 14; v. 250; p. 425.
Otte, Otho M., Jamestown, N. Y. Detachable reflector. No. 1,255,039; Jan. 29; v. 246; p. 1154.
Otte, Otho M., Jamestown, N. Y. Automobile-lamp. No. 1,260,439; Mar. 26; v. 248; p. 821.
Otte, Otho M., Jamestown, N. Y. Automobile-lamp. No. 1,260,440; Mar. 26; v. 248; p. 821.
Otte, Otho M., Jamestown, N. Y. Automobile-lamp. No. 1,266,524; May 14; v. 250; p. 484.
Otte, Otho M., Jamestown, N. Y. Portable focusing dark-room. No. 1,266,525; May 14; v. 250; p. 484.
Otte, Otho M., Jamestown, N. Y. Sheet-metal structure. No. 1,271,210; July 2; v. 252; p. 130.
Otte, Otho M., Jamestown, N. Y. Spot-light mounting. No. 1,272,842; July 16; v. 252; p. 648.
Otte, Otho M., Jamestown, N. Y. Sunken drawer pull or handle. No. 1,286,744; Dec. 3; v. 257; p. 134.
Otte, Otho M., Jamestown, N. Y. Sunken drawer pull or handle. No. 1,286,745; Dec. 3; v. 257; p. 134.
Otte, Otho M., Jamestown, N. Y. Means for anchorage for enameled-metal-ware parts. No. 1,286,746; Dec. 3; v. 257; p. 134.
Otte, Otho M., Jamestown, N. Y. Spot-light mounting. No. 1,288,153; Dec. 17; v. 257; p. 554.
Otte, Otho M., Jamestown, N. Y. Reflector cut-off for headlights. No. 1,289,244; Dec. 31; v. 257; p. 869.
Otte, Otho M., Jamestown, N. Y. Folding table. No. 1,289,245; Dec. 31; v. 257; p. 869.
Otterdahl, Emil F. (See Carlson and Otterdahl.)
Otterson, George W., Springfield, Ohio. Method and apparatus for cleaning sewer-conduits. No. 1,274,931; Aug. 6; v. 253; p. 167.
Otterson, John E., assignor to Winchester Repeating Arms Co., New Haven, Conn. Bayonet-mount for shoulder-arms. No. 1,260,021; Mar. 19; v. 248; p. 669.
Otterson, Thomas P., Krebs, assignor of one-half to P. R. Allen, McAlester, Okla. Mine-car wheel. No. 1,255,780; Feb. 5; v. 247; p. 193.
Otterson, Thomas P., Krebs, assignor of one-half to P. R. Allen, McAlester, Okla. Draw-bar. No. 1,255,781; Feb. 5; v. 247; p. 193.
Otto, Albert, Kansas City, Mo. Reamer for oil and gas bearing sand. No. 1,285,347; Nov. 19; v. 256; p. 559.
Otto, Arthur L., Philadelphia, Pa.; W. W. Watson, C. Anderson, and E. M. Underwood, Jamestown, N. Y.; said Watson, Anderson, and Underwood assignors to said Otto. Port-light screen. No. 1,272,990; July 16; v. 252; p. 689.

Otto, George F., Detroit, Mich. Tank-filler. No. 1,274,316; July 30; v. 252; p. 1113.
Otto Heineman Phonograph Supply Co. (See Catucci, Pliny, assignor.)
Otto Heineman Phonograph Supply Co. (See Vasselli, Anthony, assignor.)
Otto Heineman Phonograph Supply Co. (See Catucci and Vasselli, assignors.)
Otto, Henry J., Evansville, Ind. Device for deflating tire-tubes. No. 1,263,798; Apr. 23; v. 249; p. 865.
Otto, Herman, Grass Lake, Mich. Work-holder. No. 1,270,653; June 25; v. 251; p. 792.
Otto, John, Chicago, Ill. Safety-stop for elevators. No. 1,264,847; Apr. 30; v. 249; p. 1188.
Otto, Joseph T. (See Otto, Maximilian J. and J. T.)
Otto, Maximilian J. and J. T., New York, N. Y. Line-guide for fishing-reels. No. 1,258,804; Mar. 12; v. 248; p. 287.
Ottumwa Box Car Loader Co. (See Hunt, William E., assignor.)
Ottumwa Iron Works. (See Mead, Ezra B., assignor.)
Otwi-Werke mit beschrankter Haftung. (See Beckmann, Ernst, assignor.)
Ouchie, Elmer L., Detroit, Mich., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic musical instrument. No. 1,252,479; Jan. 8; v. 246; p. 335.
Ousley, Edward W., St. James, Mo. Gold-dust collector. No. 1,255,040; Jan. 29; v. 246; p. 1154.
Outcalt, Ernest A., Limeridge, Wis. Vehicle running-gear. No. 1,287,408; Dec. 10; v. 257; p. 337.
Outerbridge, Cyril N., Charlottesville, Va. Carbureter. No. 1,273,401; July 23; v. 252; p. 824.
Overbury, Frederick C., Montclair, N. J., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Fireproof roofing. No. 1,261,280; Apr. 2; v. 249; p. 81.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Ornamental roof. No. 1,265,105; May 7; v. 250; p. 66.
Overbury, Frederick C., New York, N. Y., assignor to The Flintkote Company, Boston, Mass. Covering for roofs and side walls. No. 1,270,654; June 25; v. 251; p. 792.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Process and apparatus for making roofing elements. No. 1,286,077; Nov. 26; v. 256; p. 780.
Overland, Thomas M. K., Bestum, near Christiania, Norway. Holder for Gillette and the like razor-blades. No. 1,289,888; Dec. 31; v. 257; p. 1028.
Overlin, William S., Portland, Oreg., assignor, by mesne assignments, to International Money Machine Company, Terre Haute, Ind. Money paying, changing, and listing machine. No. 1,256,363; Feb. 12; v. 247; p. 406.
Overlin, William S., Collins View, Oreg. Truck. No. 1,289,529; Dec. 31; v. 257; p. 940.
Overly, Charles, Cleveland, Ohio. Strainer. No. 1,255,215; Feb. 5; v. 247; p. 29.
Overman, Jesse H., and J. A. Ziegler, Chattanooga, Tenn., assignors to Montague Mailing Machinery Co. Hand-operated addressing-machine. No. 1,260,703; Mar. 26; v. 248; p. 899.
Overman, Max C., New York, N. Y. Tire. No. 1,264,205; Apr. 30; v. 249; p. 1012.
Overman, Max C., New York, N. Y. Tire-securing means. No. 1,276,802; Aug. 27; v. 253; p. 778.
Overman, Max C., New York, N. Y. Fastening means for tires. No. 1,283,881; Nov. 5; v. 256; p. 117.
Oversmith, Elmer H., Jonesville, Mich., assignor, by mesne assignments, to Brazil Motors Company, Brazil, Ind. Front-axle drive mechanism. No. 1,252,609; Jan. 8; v. 246; p. 372.
Oversmith, Elmer H., Jonesville, Mich., assignor, by mesne assignments, to Brazil Motors Company, Brazil, Ind. Steering mechanism. No. 1,252,610; Jan. 8; v. 246; p. 372.
Oversmith, Elmer H., Jonesville, Mich., assignor, by mesne assignments, to Brazil Motors Company, Brazil, Ind. Front-axle-mounting mechanism. No. 1,254,842; Jan. 29; v. 246; p. 1099.
Oversmith, Elmer H., Jonesville, Mich., assignor to The Buffalo Truck & Tractor Corporation, Buffalo, N. Y. Traction construction. No. 1,284,435; Nov. 12; v. 256; p. 291.
Overstreet, Arthur E. (See Pierce, Overstreet, and McCune.)
Overstreet, George W. (See Lowe and Overstreet.)
Overstrom, Gustave A., Pasadena, Cal. Flexible bearing for high-speed spindles. No. 1,273,655; July 23; v. 252; p. 894.
Overton, Edward B., *et al.* (See Nihart, Frank B., assignor.)
Overton, Samuel E., South Haven, Mich. Bench or seat. No. 1,288,974; Dec. 24; v. 257; p. 778.
Overton, William. (See Burrows, Seth A., assignor.)
Overtree, Guy M., Fort Collins, and V. V. McMillen, Lafayette, Colo. Brace. No. 1,275,593; Aug. 13; v. 253; p. 374.
Owen, Douglas C., Hardenburg, N. Y. Aeroplane level-indicator. No. 1,277,748; Sept. 3; v. 254; p. 116.
Owen, Henry A., assignor to The Whitin Machine Works, Whitinsville, Mass. Weft-feeler mechanism for looms. No. 1,251,687; Jan. 1; v. 246; p. 74.
Owen, Henry A., Whitinsville, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler-motion for looms. No. 1,278,731; Sept. 10; v. 254; p. 404.
Owen, Henry A., Whitinsville, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler-motion for looms. No. 1,278,732; Sept. 10; v. 254; p. 404.
Owen, Herbert W., Lewiston, Me., assignor to Draper Corporation, Hopedale, Mass. Shuttle tension. No. 1,283,882; Nov. 5; v. 256; p. 118.
Owen, Obadiah N., Trenton, N. J. Rolling window-screen. No. 1,280,285; Oct. 1; v. 255; p. 47.
Owen, Mary A., executrix. (See Owen, Moses.)
Owen, Mathias, Chandler, N. C. Well-cleaning device. No. 1,262,241; Apr. 9; v. 249; p. 382.
Owen, Moses, deceased; M. A. Owen, executrix, assignor to herself, J. A. Northwood, and E. Harris, Westmont, Johnstown, Pa. Cutting-off tool for bar metals. No. 1,272,508; July 16; v. 252; p. 551.
Owen, Oscar L., assignor to The Whitin Machine Works, Whitinsville, Mass. Safety device for carding-machines. No. 1,257,105; Feb. 19; v. 247; p. 658.
Owen, Oscar L., assignor to Whitin Machine Works, Whitinsville, Mass. Top-roll saddle. No. 1,258,701; Mar. 12; v. 248; p. 258.
Owen, Oscar L., assignor to The Whitin Machine Works, Whitinsville, Mass. Scavenger for spinning-machines. No. 1,269,847; June 18; v. 251; p. 547.
Owen, R. M. (See Stowe and Molyneux, assignors.)
Owen, Richard H., Lexington, N. C. Nut and washer. No. 1,258,440; Mar. 5; v. 248; p. 143.
Owens, Arthur P., Bradford, Ill. Plow depth-regulator. No. 1,253,089; Jan. 8; v. 246; p. 513.
Owens Bottle Machine Company, The. (See La France, Richard, assignor.)
Owens Bottle Machine Company, The. (See Lents, John M., assignor.)
Owens, Charles, Chattanooga, Tenn. Internal-combustion engine. No. 1,264,968; May 7; v. 250; p. 26.
Owens, Claude. (See McClure and Owens.)
Owens, Edward A. (See Beck, Owens, and Steinman.)
Owens, Elbert C., Ottawa, Kans. Figure toy. No. 1,272,304; July 9; v. 252; p. 469.
Owens, Frank, Shrewsbury, N. J. Kite. No. 1,286,078; Nov. 26; v. 256; p. 780.
Owens, Harvey M., Leominster, Mass. Mounting for hair-pins and the like. No. 1,273,530; July 23; v. 252; p. 859.
Owens, Heman E., West Clarksville, N. Y. Rotary harrow. No. 1,270,317; June 25; v. 251; p. 699.
Owens, John B., Metuchen, N. J. Method of and means for balancing draft in tunnel-kilns. No. 1,278,991; Sept. 17; v. 254; p. 505.
Owens, John B., Metuchen, N. J. Refractory container. No. 1,286,747; Dec. 3; v. 257; p. 134.
Owens, John B., Metuchen, N. J. Kiln. No. 1,288,975; Dec. 24; v. 257; p. 778.
Owens, John B., Metuchen, N. J. Kiln. No. 1,289,530; Dec. 31; v. 257; p. 940.
Owens, John B., Metuchen, N. J. Controllable draft for tunnel-kilns. No. 1,289,889; Dec. 31; v. 257; p. 1028.
Owens, John B., Metuchen, N. J. Muffle-kiln. No. 1,289,890; Dec. 31; v. 257; p. 1028.
Owens, Michael J., assignor to The Toledo Glass Company, Toledo, Ohio. Charging and poking mechanism for gas-producers. No. 1,273,177; July 23; v. 252; p. 765.
Owens, Moses E., South Mont, N. C. Nut-lock. No. 1,262,242; Apr. 9; v. 249; p. 383.
Oxweld Acetylene Company. (See Braden, Robert D., assignor.)
Oxweld Acetylene Company. (See Bryce, Chalmers K., assignor.)
Oxweld Acetylene Company. (See Rose, Paul A., assignor.)
Ozanne, Chester I., Kenosha, Wis. Distributing-rack. No. 1,266,708; May 21; v. 250; p. 567.
Ozanne, Henry T., Paris, France. Busk and stay-fastening. No. 1,253,521; Jan. 15; v. 246; p. 668.
Ozerowicz, Alexander, Hamtramck, Mich. Lock for motor-vehicles. No. 1,269,638; June 18; v. 251; p. 4[illegible]
Ozerowicz, Alexander, Hamtramck, Mich. Combination-tool. No. 1,286,748; Dec. 3; v. 257; p. 135.
Ozment, Edward L. (See Moore and Ozment.)
P. Becker & Company. (See Kelly, Patrick J., assignor.)
P. Lorillard Company. (See Freeman and Wortham, assignors.)
P. Lorillard Company. (See Norquest, John E., assignor.)
P. Lorillard Company. (See Williams, George M., assignor.)
P. Wall Manufacturing Supply Company. (See Flitcroft, James E., assignor.)
P. A. Geier Company, The. (See Trautman, Walter G., assignor.)
P. B. Yates Machine Company. (See Johnson, Gustave T., assignor.)
P. B. Yates Machine Company. (See Lane, Franklin L., assignor.)

Alphabetical list of patentees—Continued.

P. B. Yates Machine Company. (See Mitchell, Harrison J., assignor.)
P. C. Murphy Trunk Co. (See Maher, Edward J., assignor.)
P. E. Sharpless Company. (See Nusbaum, Joseph, assignor.)
P. H. Murphy Company. (See Bonsall, Charles D., assignor.)
P. H. Murphy Company. (See Murphy, Clinton C., assignor.)
P. H. Murphy Company. (See Murphy, Dwight, assignor.)
P. H. Murphy Company. (See Murphy, Walter P., assignor.)
P. H. Murphy Company. (See Wolff, Frank W., assignor.)
P. H. & F. M. Roots Company, The. (See Hicks, George C., Jr., assignor.)
P. & M. Co., The. (See Warr, Harold G., assignor.)
P. & M. Co., The. (See Warr, Harold G., assignor.)
P. & M. Company, The. (See Alfreds, Torris H., assignor.)
P. & M. Company, The. (See Calvert, Thomas E. assignor.)
P & M Company, The. (See Gillespie, Harvey M., assignor.)
P. & M. Company, The. (See Hess, John J., assignor.)
P & M Company, The. (See Moore, Philip W., assignor.)
P. & M. Company. (See Preston, Frederick A., assignor.)
P. P. R. Manufacturing Company. (See Reichhelm, George L., assignor.)
P. R. Glass Company. (See Glass, Perley R., assignor.)
P. R. Glass Company. (See McIntire, James E., assignor.)
Paalman, John H., Grand Rapids, Mich. Serving-table. No. 1,267,896; May 28; v. 250; p. 926.
Paarmann, Carl H., Delmar, Iowa. Milking-machine. No. 1,276,803; Aug. 27; v. 253; p. 778.
Paasche, Jens A., Chicago, Ill. Pneumatic paint-brush. No. 1,273,784; July 23; v. 252; p. 926.
Pace, D. C. (See Connor, George W., assignor.)
Pace, George M. (See Canfield, Albert E., assignor. (Reissue.)
Pace, Lynn S., Cisco, Utah. Driving apparatus for horses and other animals. No. 1,257,734; Feb. 26; v. 247; p. 880.
Pacheco, Frederico, Brooklyn, N. Y. Swimming device. No. 1,268,762; June 4; v. 251; p. 195.
Pachter, Peter, Chicago, Ill., assignor of one-half to T. W. & C. B. Sheridan Co. and one-half to Sheridan Iron Works, Champlain, N. Y. Pamphlet-covering machine. (Reissue.) No. 14,560; Dec. 10; v. 257; p. 384.
Pachynski, Joseph. (See Schoening and Pachynski.)
Pacific Box Factory. (See Isert, Arthur, assignor.)
Pacific Box Factory Inc. (See Stickel, Charles, assignor.)
Pacific-Burt Company. (See Brown, Horace P., assignor.)
Pacific Coast Borax Company. (See Paulkner, Herbert W., assignor.)
Pacific Commercial Company. (See Pierce, James L., assignor.)
Pacific Electric Welder & Manufacturing Co. (See Thornblade, Carl H., assignor.)
Pacific Evaporator Company. (See King, Ralph W., assignor.)
Pacific Evaporator Company. (See Miller, Herbert G., assignor.)
Pacific Flush Tank Company. (See Cox, James W., assignor.)
Pacific Flush Tank Company. (See Rein and Cox, assignors.)
Pacific Foundry Company. (See Landers, William H., assignor.)
Pacific Library Binding Company. (See Reavis, Winfred E., assignor.)
Pack, Charles, and L. F. Nock, assignors to Doehler Die Casting Company, Brooklyn, N. Y. Making molds for casting fluid metals. No. 1,262,973; Apr. 16; v. 249; p. 617.
Package Machinery Company. (See Armstrong, Harry Y., assignor.)
Package Machinery Company. (See Ferguson, Milford B., assignor.)
Package Machinery Company. (See Mach, Adolph, assignor.)
Package Machinery Company. (See Smith, Elmer L., assignor.)
Package Machinery Company. (See Smith and Phelon, assignors.)
Packard, Ernest M., Corning, Cal. Farming implement. No. 1,264,678; Apr. 30; v. 249; p. 1144.
Packard, Horace N. (See Wilson and Packard.)
Packard, Horace N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fluid-meter. No. 1,282,926; Oct. 29; v. 255; p. 894.
Packard Motor Car Company. (See Barrow, Benjamin D., assignor.)
Packard Motor Car Company. (See Belden, Edward H., assignor.)
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Co. (See Derr, Charles E., assignor.)
Packard Motor Car Company. (See Huff, Russell, assignor.)
Packard Motor Car Company. (See Hunt, John H., assignor.)
Packard Motor Car Company. (See Hunt, Ormond E., assignor.)
Packard Motor Car Company. (See Loomis, Allen, assignor.)
Packard Motor Car Company. (See Macauley, Alvan, assignor.)
Packard Motor Car Company. (See McCain, George L., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Packard, Ralph G., Brooklyn, N. Y. Gang-drill for subaqueous excavation. No. 1,265,494; May 7; v. 250; p. 170.
Packard, Raymond P., Tacoma, Wash. Shaving-brush receptacle. No. 1,283,279; Oct. 29; v. 255; p. 988.
Packer, Emmett D., Minneapolis, Minn. Harvester. No. 1,278,000; Sept. 3; v. 254; p. 183.
Packer, Ernest R., Sidnaw, Mich. Railway-tie. No. 1,286,749; Dec. 3; v. 257; p. 135.
Packer, James W., Glens Falls, N. Y., assignor to The Sandy Hill Iron & Brass Works. Tube-forming machine. No. 1,258,441; Mar. 5; v. 248; p. 143.
Packer, John H., Liberty, Mo. Oil-filter. No. 1,257,384; Feb. 26; v. 247; p. 775.
Packer, Mortimer L., Columbus, Ohio. Fuel-mixing device. No. 1,276,257; Aug. 20; v. 253; p. 591.
Packwood, Rex, E. J. Rust, and E. Hazelette, Cleveland, Ohio. Motor-driven clipper. No. 1,281,214; Oct. 8; v. 255; p. 330.
Packless Valve Co. (See Dearing, Joseph W., assignor.)
Pacz, Aladar, Cleveland, Ohio, assignor to General Electric Company. Treating drawn metal. No. 1,280,825; Oct. 8; v. 255; p. 224.
Paddeck, Edward G., Kansas City, Kans. Wire-tying mechanism for baling-presses. No. 1,275,296; Aug. 13; v. 253; p. 293.
Paddock, Lillie H., Superior, Wis. Wheel-guard. No. 1,279,417; Sept. 17; v. 254; p. 618.
Paddock, Ormond H., Toledo, Ohio. Automatic stop-adjuster. No. 1,255,564; Feb. 5; v. 247; p. 131.
Padgett, Charles E., Buffalo, N. Y. Elevated-railway system. No. 1,255,459; Feb. 5; v. 247; p. 99.
Paeth, William H., Providence, R. I., assignor to Gorham Co., New York, N. Y. Metallic construction. No. 1,282,710; Oct. 22; v. 255; p. 806.
Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,276,684; Aug. 20; v. 253; p. 710.
Page, Byron L., Seattle, Wash. Weed-pulling tool. No. 1,262,693; Apr. 16; v. 249; p. 538.
Page, David P. (See Barnes and Page.)
Page, Frank H., Waverly, Iowa. Hog-feeder. No. 1,285,348; Nov. 19; v. 256; p. 559.
Page, George M., assignor to The Haydenville Company, Haydenville, Mass. Drinking-fountain. No. 1,276,258; Aug. 20; v. 253; p. 591.
Page, Herbert, Sydney, New South Wales, Australia. Sliding door or flap for bookcases, cabinets, and like furniture. No. 1,288,665; Dec. 24; v. 257; p. 705.
Page, Herman C., assignor to The Whitehead & Hoag Company, Newark, N. J. Means for attaching name-plates. No. 1,275,172; Aug. 6; v. 253; p. 234.
Page, James B., assignor to Dixie Fruit Products Company, Mobile, Ala. Stock feed and making same. No. 1,255,922; Feb. 12; v. 247; p. 274.
Page, Larrance, Berkeley, Cal. Bunsen burner. No. 1,254,347; Jan. 22; v. 246; p. 924.
Page, Logan E., assignor to The Hart & Hutchinson Company, New Britain, Conn. Door-locking means. No. 1,274,758; Aug. 6; v. 253; p. 119.
Page, Michael, Schuylkill Haven, Pa. Condiment-holder. No. 1,252,159; Jan. 1; v. 246; p. 209.
Page, Plennie L., Lansing, Mich. Signaling device. No. 1,278,733; Sept. 10; v. 254; p. 404.
Page, Rescue B., Los Angeles, Cal. Folding bed. No. 1,253,872; Jan. 15; v. 246; p. 769.
Page, Roy J., Franklin, Nebr. Indicator. No. 1,270,655; June 25; v. 251; p. 792.
Page, Samuel D., Des Moines, Iowa. Check-sorter. No. 1,254,930; Jan. 29; v. 246; p. 1125.
Page, Sydney E. (See Bawtree, Alfred E., assignor.)
Page, Tom S., *et al.* (See Shaut, Edwin J., assignor.)
Page, Victor W., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bell. No. 1,254,265; Jan. 22; v. 246; p. 900.
Page, William K., assignor to Chile Exploration Company, New York, N. Y. Electrode. No. 1,283,280; Oct. 29; v. 255; p. 988.
Pagel, Theodore J. (See Chamberland, William D., assignor.)
Pagel, Theodore J., Minneapolis, Minn. Rotary pump. No. 1,252,160; Jan. 1; v. 246; p. 210.
Paget, Harry E., Chicago, Ill. Strainer. No. 1,273,656; July 23; v. 252; p. 894.
Paget, Stewart C., Wallingford, England. Internal-combustion engine. No. 1,272,305; July 9; v. 252; p. 470.
Paggi, Charles. (See Robichaux and Paggi.)
Päglow Gebr. (See Hennig, Rudolf, assignor.)
Paige, Arthur E., Philadelphia, Pa. Surfacing mechanism. No. 1,260,022; Mar. 19; v. 248; p. 669.

Alphabetical list of patentees—Continued.

Paige, Arthur E., Philadelphia, Pa. Mechanism for making bifocal lenses. No. 1,269,568; June 11; v. 251; p. 437.
Paige, Fred O., assignor to Paige & Jones Chemical Company, New York, N. Y. Zinc compound. No. 1,260,987; Mar. 26; v. 248; p. 976.
Paige, George I., Donbeigh, N. D. Storm-window. No. 1,287,409; Dec. 10; v. 257; p. 337.
Pagel, Gustav, Berlin, Germany, assignor to General Electric Company. Air-pump. No. 1,267,897; May 28; v. 250; p. 926.
Paglieri, Ferruccio, Bologna, Italy. Hand-vise. No. 1,272,991; July 16; v. 252; p. 690.
Paige, Arthur E., Philadelphia, Pa. Multifocal optical element. No. 1,271,356; July 2; v. 252; p. 169.
Paige, James H., Manchester, N. H. Fruit-jar closure. No. 1,276,103; Aug. 20; v. 253; p. 549.
Paige, Jeremiah A., Roxbury, assignor of one-half to N. Howard, Boston, Mass. Bed attachment. No. 1,262,086; Apr. 9; v. 249; p. 338.
Paige & Jones Chemical Company. (See Paige, Fred O., assignor.)
Pain, Henry J., New York, N. Y. Toy. No. 1,253,715; Jan. 15; v. 246; p. 725.
Paine, George E., and L. C. Emerson, Los Angeles, Cal. Flag-holder. No. 1,263,277; Apr. 16; v. 249; p. 702.
Paine, Herbert A., Houston, Tex. Compress. No. 1,288,976; Dec. 24; v. 257; p. 778.
Paine, Mathew H., Glenellyn, and W. S. Williams, Chicago, Ill. Toggle-bolt. No. 1,269,302; June 11; v. 251; p. 365.
Painter, George M., Chicago, Ill. Electrically-operated hammer. No. 1,276,104; Aug. 20; v. 253; p. 549.
Painter, George M., Chicago, Ill. Electric hammer. No. 1,276,804; Aug. 27; v. 253; p. 779.
Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Wireless receptacle. No. 1,253,873; Jan. 15; v. 246; p. 769.
Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Attachment-plug. No. 1,253,874; Jan. 15; v. 246; p. 769.
Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Molding-adapter. No. 1,254,528; Jan. 22; v. 246; p. 976.
Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Canopy-fixture. No. 1,280,826; Oct. 8; v. 255; p. 224.
Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Electric switch. No. 1,285,349; Nov. 19; v. 256; p. 559.
Pakas, Solomon L., Spuyten Duyvil, N. Y. Arch-support. No. 1,267,796; May 28; v. 250; p. 897.
Pakorn & Co. (See Loewinger, Benjamin, assignor.)
Palecheck, George D. and T. W., Milwaukee, Wis. Screw-threading sheet-metal tubular objects. No. 1,271,070; July 2; v. 252; p. 90.
Palecheck, Theodore W. (See Palecheck, George D. and T. W.)
Palhegyi, Stephen, and H. Eichner, Detroit, Mich. Well-pump. No. 1,279,899; Sept. 24; v. 254; p. 780.
Palk, Vernon, Irvington, N. J. Bracelet. No. 1,283,883; Nov. 5; v. 256; p. 118.
Palm Brothers Company, The. (See Becker, Albert S., assignor.)
Palm Brothers Company, The. (See Blomberg, William T., assignor.)
Palm Brothers Company, The. (See Palm, Otto, Jr., assignor.)
Palm, Henry S. (See Moore, Edwin A., assignor.)
Palm, Henry S., Reading, Pa. Dumping-wagon. No. 1,264,431; Apr. 30; v. 249; p. 1075.
Palm, Henry S., Reading, Pa. Body-elevating mechanism for dumping-wagons or the like. No. 1,264,432; Apr. 30; v. 249; p. 1075.
Palm, Otto, Jr., Rahway, N. J., assignor to The Palm Brothers Company, New York, N. Y. Printing and manufacturing decalcomanias for decorating glass bottles, etc. No. 1,260,792; Mar. 26; v. 248; p. 925.
Palmatary, John T., *et al.* (See Dacy, Michael J., assignor.)
Palmatier, Marshall J., Globe, Ariz. Carbureter. No. 1,270,547; June 25; v. 251; p. 764.
Palmenberg, Emil T., New York, N. Y. Arm-adjusting device for display-figures. No. 1,272,992; July 16; v. 252; p. 690.
Palmenberg, Emil T., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y. Display-form. No. 1,274,317; July 30; v. 252; p. 1113.
Palmenberg, Emil T., assignor to J. R. Palmenberg Sons, New York, N. Y. Display-form. No. 1,284,436; Nov. 12; v. 256; p. 291.
Palmer, Alphonso T., Chicago, Ill. Rail-joint. No. 1,281,823; Oct. 15; v. 255; p. 526.
Palmer, Arthur E., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Charge-forming device for explosion-motors. No. 1,254,348; Jan. 22; v. 246; p. 924.
Palmer-Bee Company. (See McBride, Jesse E., assignor.)
Palmer, Charles S., *et al.* (See Reilly, Francis J., assignor.)
Palmer, Charles S., Pittsburgh, Pa. Process of and apparatus for making natural-gas substitute. No. 1,268,763; June 4; v. 251; p. 196.
Palmer, Charles S. and D., Saranac Lake, N. Y. Pencil-sharpener. No. 1,267,586; May 28; v. 250; p. 838.
Palmer, Chester M., Aurora, Ill. Rotary engine. No. 1,253,716; Jan. 15; v. 246; p. 725.
Palmer, Chester M., Aurora, Ill. Animal-shears. No. 1,282,459; Oct. 22; v. 255; p. 738.
Palmer, Clinton D., assignor to Sears, Roebuck and Company, Chicago, Ill. Commercial instrument. No. 1,275,297; Aug. 13; v. 253; p. 294.
Palmer, Clyde. (See Palmer, Harmon S., assignor.)
Palmer, Dean. (See Palmer, Charles S. and D.)
Palmer, Dean, *et al.* (See Reilly, Francis J., assignor.)
Palmer, Estelle C., Glens Falls, N. Y. Knockdown yarn-reel. No. 1,261,738; Apr. 2; v. 249; p. 210.
Palmer, Fenn H. (See Palmer, James R. and F. H.)
Palmer, Erik S., assignor to Winchester Repeating Arms Co., New Haven, Conn. Adjustable-scale sight for firearms. No. 1,288,666; Dec. 24; v. 257; p. 705.
Palmer, Erik S., assignor to Winchester Repeating Arms Co., New Haven, Conn. Adjustable-scale sight for firearms. No. 1,288,977; Dec. 24; v. 257; p. 779.
Palmer, Harmon S., assignor of one-half to C. Palmer, Washington, D. C. Toy building-blocks. No. 1,274,353; July 30; v. 252; p. 1122.
Palmer, Herbert R., Cleveland, Ohio. Glare-controlling device for lamps. No. 1,269,548; June 11; v. 251; p. 430.
Palmer, Herbert R., Cleveland, Ohio. Lamp. No. 1,269,549; June 11; v. 251; p. 431.
Palmer, Herbert R., Cleveland Heights, Ohio. Dry-cell battery and making same. No. 1,271,933; July 9; v. 252; p. 362.
Palmer, Herbert R., Cleveland, Ohio. Lamp. No. 1,272,509; July 16; v. 252; p. 551.
Palmer, Herbert R., Cleveland Heights, Ohio. Dry-cell battery. No. 1,286,750; Dec. 3; v. 257; p. 135.
Palmer, Isaac E., deceased, Middletown, Conn.; T. and N. T. Palmer, administrators. Grometing-machine. No. 1,282,714; Oct. 22; v. 255; p. 807.
Palmer, James M., *et al.* (See Biggers, Lee P., assignor.)
Palmer, James R. and F. H., Los Angeles, Cal. Rotary-runner pump. No. 1,259,124; Mar. 12; p. 248; p. 381.
Palmer, Jerry, Korelock, Mich. Oar-lock bushing. No. 1,264,848; Apr. 30; v. 249; p. 1189.
Palmer, John M., Chicago, Ill. Valve. No. 1,258,937; Mar. 12; v. 248; p. 326.
Palmer, John M., Chicago, Ill. Valve. No. 1,265,495; May 7; v. 250; p. 171.
Palmer, John R., Revere, Mass. Watch-easel. No. 1,261,602; Apr. 2; v. 249; p. 173.
Palmer, Jonathan, Jr. (See Todd, Samuel J., assignor.)
Palmer, Leon W., Unity, Pa. Combined elevating and conveying machine. No. 1,253,717; Jan. 15; v. 246; p. 725.
Palmer, Lowell M., Estate of. (See Zimmerman, Albert, assignor.)
Palmer, Luther W., Sayre, Pa. Bushing. No. 1,283,281; Oct. 29; v. 255; p. 988.
Palmer, Lyndon C., assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Coating mechanism. No. 1,252,019; Jan. 1; v. 246; p. 170.
Palmer, Lyndon C., assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Blank-feeding mechanism. No. 1,259,550; Mar. 19; v. 248; p. 532.
Palmer, Nathalie T., *et al.*, administrators. (See Palmer, Isaac E.)
Palmer-Perchlorate Powder Company of Canada Limited. (See Johnson, Frederick, G. L., assignor.)
Palmer, Phillip S. (See Kinney, Charles, assignor.)
Palmer, Randall A., Pontiac, Mich., assignor to Olympian Motors Company, Chicago, Ill. Motor-vehicle frame. No. 1,261,603; Apr. 2; v. 249; p. 173.
Palmer, Robert C., Pensacola, Fla., assignor, by mesne assignments, to the Government of the United States. Destructively distilling wood. No. 1,259,277; Mar. 12; v. 248; p. 421.
Palmer, Robert C., Pensacola, Fla., assignor, by mesne assignments, to the Government of the United States. Method of destructively distilling wood. No. 1,271,071; July 2; v. 252; p. 90.
Palmer, Townsend, *et al.*, administrators. (See Palmer, Isaac E.)
Palmer, Truman G., Chicago, Ill. Gas-heater. No. 1,253,090; Jan. 8; v. 246; p. 513.
Palmer, Truman G., Chicago, Ill. Gas-burner. No. 1,253,091; Jan. 8; v. 246; p. 513.
Palmer, William C., Agricultural College, N. D. Ration-balancing contrivance. No. 1,289,246; Dec. 31; v. 257; p. 870.
Palmer, Willie I., Wheatland, Wyo. Dividers. No. 1,264,552; Apr. 30; v. 249; p. 1109.
Palmer, Winfield S., Glenburn, Pa. Combination ice saw and pick. No. 1,266,982; May 21; v. 250; p. 643.
Palmero, Louis M., Seguin, Tex. Tire-heater. No. 1,270,196; June 18; v. 251; p. 640.
Palmgren, Carl A., Chicago, Ill. Filing device. No. 1,268,143; June 4; v. 251; p. 21.
Palmgren, Carl A., Chicago, Ill. Drill-chuck. No. 1,288,154; Dec. 17; v. 257; p. 554.

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Palmgren, Charles A., Chicago, Ill. Tool. No. 1,285,350; Nov. 19; v. 256; p. 560.
Palmgren, Nils G. (See Betulander and Palmgren.)
Palmquist, Oscar G., *et al.* (See Campbell, Donald K., assignor.)
Palo Company. (See Poetschke, Paul, assignor.)
Palser, George N., North Loup, Nebr. Disk-harrow boxing. No. 1,254,843; Jan. 29; v. 246; p. 1099.
Palsgrove, James E. (See Thompson, Duffield B., assignor.)
Paluska, Mathias, Jr., Roanoke, assignor, by mesne assignments, to Getz Power Washer Co., Morton, Ill. Wringer support and gearing. No. 1,259,899; Mar. 19; v. 248; p. 632.
Pamperin, Udo K., assignor to The H. D. Beach Company, Coshocton, Ohio. Collapsible table. No. 1,289,247; Dec. 31; v. 257; p. 870.
Pan-American Rubber Co. (See Huebner, Josef, assignor.)
Pan Chro Scope Corporation. (See Allen, Murphy, and Willard, assignors.)
Pancoast, Albert L., *et al.* (See Meletti, Adolph, assignor.)
Panganiban, Fidel B., Lobo, Batangas, Philippine Islands. Mosquito-net support for cots. No. 1,254,529; Jan. 22; v. 246; p. 976.
Pangborn, Earl L., and H. W. Niermeyer, Indianapolis, Ind. Trolley-replacer. No. 1,276,564; Aug. 20; v. 253; p. 677.
Pann, August, Brooklyn, N. Y. Household tool for repairing the valve-seats of faucets and the like. No. 1,271,608; July 9; v. 252; p. 272.
Panoulias, Panayiotis. (See White, George, assignor.)
Panoulias, Panayiotis D. (See White and Baker, assignors.)
Panyard, Thomas A., assignor to Luther Grinder Manufacturing Company, Milwaukee, Wis. Treadle mechanism. No. 1,260,793; Mar. 26; v. 248; p. 925.
Panzer, George F., Jr., Baltimore, Md. Illuminated automobile-tag. No. 1,274,318; July 30; v. 252; p. 1113.
Paoli, Peter E., Wilmette, Ill. Theatrical device. No. 1,273,111; July 16; v. 252; p. 720.
Paolicelli, Joseph, New York, N. Y. Bottle-safe. No. 1,252,480; Jan. 8; v. 246; p. 335.
Papapavlou, Demetrios P., Washington, D. C. Alarm apparatus. No. 1,283,282; Oct. 29; v. 255; p. 989.
Papapetrou, Nicholas, Morgantown, W. Va. Tray for trunks and suitcases. No. 1,254,530; Jan. 22; v. 246; p. 976.
Papaspyros, Spyros, Athens, Greece. Type-writing apparatus. No. 1,286,887; Dec. 3; v. 257; p. 166.
Pape, August H., Kentfield, Cal. Means for supplying fuel to internal-combustion engines. No. 1,258,938; Mar. 12; v. 248; p. 326.
Pape, Herman G., New York, N. Y. Sound-reproducing appliance. No. 1,267,587; May 28; v. 250; p. 838.
Pape, Herman G., New York, N. Y. Combined telegraph and telephone instrument. No. 1,270,861; July 2; v. 252; p. 30.
Pape, Herman G., New York, N. Y. Combined sound-reproducer and lighting-fixture. No. 1,272,843; July 16; v. 252; p. 648.
Pape, Herman G., New York, N. Y. Speaking and signaling apparatus. No. 1,272,993; July 16; v. 252; p. 690.
Pape, Herman G., assignor to R. A. Belmont, New York, N. Y. Socket. (Reissue.) No. 14,546; Nov. 5; v. 256; p. 204.
Pape, Herman G., assignor to R. A. Schoenberg, New York, N. Y., now by judicial change of name R. A. Belmont. Housing for mechanical movement and fastenings thereof. No. 1,263,100; Apr. 16; v. 249; p. 655.
Pape, Herman G., assignor to R. A. Schoenberg, New York, N. Y. Duplex switch. No. 1,268,485; June 4; v. 251; p. 119.
Papec Machine Company. (See Bullock, Fred J., assignor.)
Paper Products Machine Company. (See Howard, Charles H., assignor.)
Paper Products Machine Company. (See Jackson, Patrick T., Jr., assignor.)
Paper Service Co. (See Kistemann, Franz, assignor.)
Paper Service Co. (See Schuchart and Brown, assignors.)
Papini, Anthony, South Bethlehem, assignor of forty-one one-hundredths to M. McTaggart, Bethlehem, Pa. Permutation-padlock. No. 1,252,715; Jan. 8; v. 246; p. 402.
Papke, Bernard, Lincoln, Nebr. Cream-separator. No. 1,273,916; July 30; v. 252; p. 1003.
Papke, Otto T., Joliet, Ill. Device for indicating the faulty operation of ignition-valves and carbureters of internal-combustion engines. No. 1,286,751; Dec. 3; v. 257; p. 135.
Pappenfus, Daniel E., Dooley, Mont. Gear-greaser. No. 1,287,410; Dec. 10; v. 257; p. 338.
Papy, Thomas J., and P. Drum, Philadelphia, Pa. Flag pole and container. No. 1,280,078; Sept. 24; v. 254; p. 829.
Paquet, Adolph. (See Paquet, Anton and A.)
Paquet, Anton and A., Chicago, Ill. Collapsible box. No. 1,257,632; Feb. 26; v. 247; p. 849.
Paquette, Herman A., assignor of one-third to J. W. Olson, Chicago, one-third to O. G. Ryden, Evanston, and one-third to I. L. Harvey, Chicago, Ill. Cooking utensil. No. 1,260,794; Mar. 26; v. 248; p. 925.
Paquette, Mathias, Carner, Mich. Projectile. No. 1,276,400; Aug. 20; v. 253; p. 632.
Paquette, Napoleon, Grand Rapids, Mich. Machine-oiler. No. 1,271,753; July 9; v. 252; p. 313.
Paradis, Florence F., Idaho Springs, Colo. Signal for motor-vehicles. No. 1,273,657; July 23; v. 252; p. 894.
Paradiso, Salvatore. (See Sottile, Thomas, assignor.)
Paragon Binder Corporation. (See Webster, Bradford, assignor.)
Paragon Knitting Mills. (See Neuman, Nathan, assignor.)
Paragon Metal Cap Co. (See Carvalho, Leslie R. N., assignor.)
Paramor, John, Rickmansworth, assignor of one-third to The Watford Engineering Works, Limited, Watford, and one-third to J. M. Henry, Newbury, England. Straining pulp or the like. No. 1,261,054; Apr. 2; v. 249; p. 18.
Paramount Hosiery Form Drying Co. (See Gray, Lyle F., assignor.)
Paramount Hosiery Form Drying Co. (See Gray, Wedge, and Giese, assignors.)
Paramount Hosiery Form Drying Co. (See Prosser, Joseph G., assignor.)
Paramount Hosiery Form Drying Co. (See Rieck, William L., assignor.)
Paramount Hosiery Form Drying Co. (See Smith and Prosser, assignors.)
Paramount Knitting Company. (See La Montague and Gable, assignors.)
Paramount Safety Paper Co. (See Schmidt, Ernest E., assignor.)
Pardee, Frank, Hazleton, Pa. Spiral chute. No. 1,256,724; Feb. 19; v. 247; p. 547.
Pardee, Frank, Hazelton, Pa. Separator. No. 1,259,435; Mar. 12; v. 248; p. 467.
Pardoe, William D., Trenton, assignor to Thermoid Rubber Company, Hamilton township, Trenton, N. J. Brake-lining and preparing the same. No. 1,277,108; Aug. 27; v. 253; p. 860.
Pardon, Frank H., Owensboro, Ky. Rotary engine. No. 1,269,303; June 11; v. 251; p. 366.
Paré, Arsene J., Brockton, Mass. Engine of warfare. No. 1,265,496; May 7; v. 250; p. 171.
Pare, Frederick W., Nottingham, and A. H. Clark, Lincoln, England; said Clark assignor of one-half of the whole to said Pare. Bobbin and carriage of twist-lace machines. No. 1,268,144; June 4; v. 251; p. 21.
Parfitt, Albert D., Chicago, Ill. Rebus motion-picture film. No. 1,277,468; Sept. 3; v. 254; p. 37.
Paridon, Michael, Oswego, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Take-off mechanism for match-machines. No. 1,252,941; Jan. 8; v. 246; p. 467.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making match-books. No. 1,272,510; July 16; v. 252; p. 552.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Box-making machine. No. 1,277,252; Aug. 27; v. 253; p. 897.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Mechanism for stacking cartons and the like. No. 1,287,088; Dec. 10; v. 257; p. 257.
Paris, Henry L., *et al.* (See Paris, John Q., assignor.)
Paris, John Q., Rockmart, assignor of one-fourth to N. V. Paris and one-fourth to H. L. Paris, Polk county, Ga. Power-transmitting device. No. 1,260,795; Mar. 26; v. 248; p. 925.
Paris, Nimrod V., *et al.* (See Paris, John Q., assignor.)
Paris, Pablo, New York, N. Y. Type. No. 1,255,216; Feb. 5; v. 247; p. 29.
Paris, Pablo, New York, N. Y. Type-setting machine. No. 1,259,900; Mar. 19; v. 248; p. 633.
Paris, Percy G., Bethlehem, assignor to Bethlehem Steel Company, South Bethlehem, Pa. Method of and apparatus for casting charges for projectiles. No. 1,282,623; Oct. 22; v. 255; p. 783.
Parisen, Robert T., assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Gas-stove. No. 1,272,306; July 9; v. 252; p. 470.
Parisen, Robert T., assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Thermostatic valve. No. 1,278,001; Sept. 3; v. 254; p. 183.
Parisen, Robert T., assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Thermostatic valve. No. 1,278,002; Sept. 3; v. 254; p. 183.
Parish, Clarence S., Blaine, Wash. Friction-wheel. No. 1,288,667; Dec. 24; v. 257; p. 705.
Parish, Cornelius, Kingston-upon-Hull, England. Auxiliary air-admission valve for internal-combustion engines. No. 1,265,365; May 7; v. 250; p. 136.
Parish, Durfee O., Leroy, Colo. Antiskidding device. No. 1,256,160; Feb. 12; v. 247; p. 345.
Parish, Gertrude H., St. Paul, Minn. Camera. No. 1,281,998; Oct. 15; v. 255; p. 571.
Parish, Le Grand, *et al.* (See Vaughan, Henry H., assignor.)

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Parish, Le Grand, New York, N. Y. Locomotive-fire-box construction. No. 1,263,799; Apr. 23; v. 249; p. 866.
Parish, Leo A., *et al.* (See Grabe, Clarence G., assignor.)
Parish, Stephen, Steubenville, Ohio. Reversing-valve for gas-furnaces. No. 1,267,898; May 28; v. 250; p. 926.
Parisian Novelty Company. (See Komorous, Joseph, assignor.)
Park Drop Forge Company, The. (See Gordon, George C., assignor.)
Park, Fred E., La Grange, Ill. Automobile-wheel-hub construction. No. 1,261,430; Apr. 2; v. 249; p. 124.
Park, Harry, Portland, Oreg. Advertising novelty. No. 1,279,142; Sept. 17; v. 254; p. 543.
Park, James, Hopkins, Minn. Tile. No. 1,260,568; Mar. 26; v. 248; p. 860.
Park, James M., assignor of one-half to W. J. Bliesener, Rock Island, Ill. Car-plane or the like. No. 1,269,569; June 11; v. 251; p. 437.
Park, Richard P., Melbourne, Victoria, Australia. Machine for reducing ore. No. 1,281,646; Oct. 15; v. 255; p. 477.
Parke, Davis & Company. (See Aldrich, Thomas B., assignor.)
Parke, Davis & Company. (See Clover, Alphonse M., as signor.)
Parker, Alfred J., Port Pirie, South Australia, Australia. Detachable device for aerating liquids. No. 1,263,278; Apr. 16; v. 249; p. 702.
Parker, Allan H., Elwood, near Melbourne, assignor to The British Imperial Oil Company Limited, Melbourne, Victoria, Australia. Pouring device for fluid-containers, principally oil-tins. No. 1,261,431; Apr. 2; v. 249; p. 125.
Parker, Arthur L., Cleveland, Ohio. Control system for automobiles. No. 1,268,764; June 4; v. 251; p. 196.
Parker, Barton J., Houston, Tex. Cement and concrete construction. No. 1,280,530; Oct. 1; v. 255; p. 115.
Parker, Benjamin L., Genoa, Ill. Means for operating camera-shutters. No. 1,254,931; Jan. 29; v. 246; p. 1125.
Parker, C. W. (See Brundage and Miller, assignors.)
Parker, C. W. (See Miller, Harvey L., assignor.) (Reissue.)
Parker, Chandler L., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Truing device for rolls of buffing-machines. No. 1,272,511; July 16; v. 252; p. 552.
Parker, Charles W. (See Morris, Charles E., assignor.)
Parker, Charles W. (See Morris, Charles E., assignor.)
Parker, Christine R. (See Parker, George H., assignor.)
Parker, Clark W., assignor to Cadillac Motor Car Company, Detroit, Mich. Transmission mechanism. No. 1,270,318; June 25; v. 251; p. 699.
Parker, Claude E., Oilton, Okla. Watch-repairing device. No. 1,282,279; Oct. 22; v. 255; p. 689.
Parker, Daniel H. (See Gilbert, John W., assignor.)
Parker, Daniel W., Everett, Wash., assignor to The Parker Rotary Stone Saw Company. Stone-sawing machine. No. 1,263,461; Apr. 23; v. 249; p. 775.
Parker, Donald, Tampa, Fla. Sizer-adjuster. No. 1,257,017; Feb. 19; v. 247; p. 635.
Parker, Elijah R., Rifle, Colo. Antiskidding device. No. 1,265,950; May 14; v. 250; p. 327.
Parker, Frank I., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Company, Milwaukee, Wis. Process and apparatus for sealing electromagnetic windings. No. 1,270,969; July 2; v. 252; p. 62.
Parker, Frederick R., Chicago, Ill. Electrical protector. No. 1,252,942; Jan. 8; v. 246; p. 467.
Parker, Frederick R., Chicago, Ill. Relay. No. 1,259,901; Mar. 19; v. 248; p. 633.
Parker, George A., Linoleumville, N. Y. Window-cleaner. No. 1,270,197; June 18; v. 251; p. 640.
Parker, George D., Riverside, Cal. Gravity fruit-separating apparatus. No. 1,252,833; Jan. 8; v. 246; p. 435.
Parker, George D., Riverside, Cal. Drying apparatus. No. 1,256,825; Feb. 19; v. 247; p. 577.
Parker, George D., Riverside, Cal. Fruit-sizing apparatus. No. 1,257,018; Feb. 19; v. 247; p. 635.
Parker, George D., Riverside, Cal. Drying apparatus for fruit. No. 1,266,983; May 21; v. 250; p. 644.
Parker, George D., Riverside, Cal. Fruit-sizer. No. 1,272,307; July 9; v. 252; p. 470.
Parker, George H. (See Baker and Parker.)
Parker, George H., assignor to C. R. Parker, Stamford, Conn. Game device. No. 1,265,497; May 7; v. 250; p. 171.
Parker, Glover O., assignor of one-third to T. T. Harris, Bentonville, Ark., and one-third to W. M. Scott, Baltimore, Md. Ship propulsion and the like. No. 1,268,765; June 4; v. 251; p. 196.
Parker, Harry E., assignor to The Stanley Rule & Level Company, New Britain, Conn. Bit-chuck. No. 1,270,754; June 25; v. 251; p. 817.
Parker, Henry L., and A. E. Cobb, Los Angeles, Cal. Combined regulating and shut-off faucet. No. 1,257,019; Feb. 19; v. 247; p. 636.
Parker, Howard, Berlin, N. H., assignor to Berlin Mills Company, Portland, Me. Manufacture of pipes, tubes, and like hollow bodies. No. 1,271,211; July 2; v. 252; p. 130.
Parker, J. J., *et al.* (See Heln, Virgil L., assignor.)
Parker, James O. and V. M., Lakin, Kans. Music-leaf turner. No. 1,253,092; Jan. 8; v. 246; p. 513.
Parker, Jean T., *et al.* (See Baer, Charles H., assignor.)
Parker, Jennie B., Albion, Mich. High-chair tray. No. 1,254,155; Jan. 22; v. 246; p. 870.
Parker, John C., Bala, and C. T. Keet, assignors to Lefax, Philadelphia, Pa. Perforating-machine. No. 1,259,551; Mar. 19; v. 248; p. 533.
Parker, John O., Whitman, assignor of one-half to E. P. Blanchard, East Bridgewater, Mass. Machine for making wood shank-stiffeners. No. 1,259,125; Mar. 12; v. 248; p. 381.
Parker, John W., *et al.* (See Humason, Granville A., assignor.)
Parker, Joseph N., Bedford, Va. Tractor. No. 1,286,399; Dec. 3; v. 257; p. 53.
Parker, Lee H., assignor to Spray Engineering Company, Boston, Mass. Disappearing sprinkler. No. 1,259,902; Mar. 19; v. 248; p. 633.
Parker, Morgan, Newport, R. I. Detachable-blade knife. No. 1,287,411; Dec. 10; v. 257; p. 338.
Parker, Orrel A., Cleveland, Ohio. Wrench with universal joint. No. 1,276,953; Aug. 27; v. 253; p. 818.
Parker, Orrel A., Cleveland, Ohio. Vehicle-wheel. No. 1,289,248; Dec. 31; v. 257; p. 870.
Parker, Richard B., assignor to Semet-Solvay Company, Solvay, N. Y. Recovering light oils. No. 1,252,481; Jan. 8; v. 246; p.335.
Parker Rotary Stone Saw Company, The. (See Parker, Daniel W., assignor.)
Parker, Russell, assignor to Parker, Stearns & Company, Brooklyn, N. Y. Garment-supporter. No. 1,265,243; May 7; v. 250; p. 102.
Parker, Russell, assignor to Parker, Stearns & Co., Brooklyn, N. Y. Making rubber balls. No. 1,269,848; June 18; v. 251; p. 548.
Parker Rust-Proof Company of America. (See Allen, William H., assignor.)
Parker Rust Proof Company of America. (See Oeschger, Walter I., assignor.)
Parker, Ryland H., O'Neill, Nebr. Direction-indicating apparatus for vehicles. No. 1,266,526; May 14; v. 250; p. 485.
Parker, Stanley F., Milwaukee, Wis. Beet-topper. No. 1,275,298; Aug. 13; v. 253; p. 294.
Parker, Stearns & Co. (See Parker, Russell, assignor.)
Parker, Thatcher A., Brazil, Ind. Mine-car wheel and axle. No. 1,289,249; Dec. 31; v. 257; p. 871.
Parker, Thomas H., San Francisco, Cal. Centrifugal separator. No. 1,262,384; Apr. 9; v. 249; p. 423.
Parker, Thomas T., New York, N. Y. Steam-boiler. No. 1,259,660; Mar. 19; v. 248; p. 562.
Parker, Thomas T., Brooklyn, N. Y. Steam-superheater. No. 1,283,550; Nov. 5; v. 256; p. 29.
Parker, Troy L., Chicago, Ill. Photometer. No. 1,276,259; Aug. 20; v. 253; p. 592.
Parker, Truman J., Dallas, Tex. Steam-boiler. No. 1,274,759; Aug. 6; v. 253; p. 119.
Parker, Victor. Maberry, N. C. Rain-signal. No. 1,272,308; July 9; v. 252; p. 471.
Parker, Viva M. (See Parker, James O. and V. M.)
Parker, Wallace O., Oklahoma, Okla. Salt and pepper shaker. No. 1,283,443; Oct. 29; v. 255; p. 1032.
Parkes, Walter, assignor to A. L. Garford, Elyria, Ohio. Hand-crank for cameras. No. 1,278,992; Sept. 17; v. 254; p. 505.
Parker, Walter A., *et al.* (See Camden, Eustus, assignor.)
Parker, Walter L. (See Hambleton, Leonard D., assignor.)
Parker, William C., Chicago, Ill. Emergency locking mechanism. No. 1,272,082; July 9; v. 252; p. 407.
Parker, William C., Chicago, Ill. Rocking-chair attachment. No. 1,281,647; Oct. 15; v. 255; p. 478.
Parker, William H., assignor to The Temco Electric Motor Company, Leipsic, Ohio. Electric lock-switch. No. 1,262,694; Apr. 16; v. 249; p. 538.
Parker, William H., assignor to The Temco Electric Motor Company, Leipsic, Ohio. Lock-switch. No. 1,276,401; Aug. 20; v. 253; p. 633.
Parker Wire Goods Company. (See Benway, Fredrick M., assignor.)
Parkersburg Manufacturing Company. (See Schluter, William, assignor.)
Parkersburg Rig & Reel Company, The. (See Rudy, Foster F., assignor.)
Parkes, Walter, assignor to A. L. Garford, Elyria, Ohio. Rotating mechanism for cameras and the like. No. 1,259,126; Mar. 12; v. 248; p. 382.
Parkhurst, Charles W. (See Slick and Parkhurst.)
Parkhurst, Leon F., Pittsfield, Mass., assignor to General Electric Company. Electric heating device. No 1,257,106; Feb. 19; v. 247; p. 658.
Parkhurst, Leon F., Schenectady, N. Y., assignor to General Electric Company. Electric water-heater. No. 1,270,198; June 18; v. 251; p. 640.
Parkhurst, Orren L. (See Sloppy, William E., assignor.)
Parkin, Charles H., Cleveland, Ohio. Applying finish-coatings to bodies. No. 1,282,460; Oct. 22; v. 255; p. 738.
Parkin, William M. (See Hoffman and Parkin.)

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Parkin, William M., Pittsburgh, Pa. Treating water containing sulfuric acid and iron salts. No. 1,251,564; Jan. 1; v. 246; p. 36.
Parkinson, John A., Sioux City, Iowa. Motor-starter. No. 1,257,520; Feb. 26; v. 247; p. 816.
Parkinson, Newton H., Kent, Ill. Incendiary bomb. No. 1,276,402; Aug. 20; v. 253; p. 633.
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parks, Dennis. (See Mitchell and Parks.)
Parks, Dennis. (See Wolfe and Parks.)
Parks, Edgar L. (See Skelton, Julian M., assignor.)
Parks, Edward F., Providence, and J. A. Anderson, Cranston, R. I., assignors, by mesne assignments, to Universal Winding Company, Boston, Mass. Hand-knotter. No. 1,263,101; Apr. 16; v. 249; p. 655.
Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Electrical coil and winding same. No. 1,278,993; Sept. 17; v. 254; p. 505.
Parks, James W., Austin, Tex. Oil-cup. No. 1,277,636; Sept. 3; v. 254; p. 85.
Parks, Joseph F., Wichita, Kans. Drawing-desk. No. 1,259,436; Mar. 12; v. 248; p. 467.
Parks, Walter H. (See Estes and Parks.)
Parkyn, Herbert A., assignor to Leonard Pump & Motor Company, Chicago, Ill. Refrigerating apparatus. No. 1,267,797; May 28; v. 250; p. 897.
Parlin & Orendorff Company. (See Dewey, Frederic L., assignor.)
Parlin & Orendorff Company. (See Graham, William S., assignor.)
Parmelee, Charles H., Seattle, Wash. Water-tube boiler. No. 1,269,849; June 18; v. 251; p. 548.
Parmeley, Charles H., Denver, Colo. Automatic painting apparatus. No. 1,254,429; Jan. 22; v. 246; p. 947.
Parmenter, William W., Redford, Mich. Power-frame. No. 1,269,736; June 18; v. 251; p. 516.
Parmeter, Edward P., assignor to Rood Construction Company, Grand Rapids, Wis. Rope-socket. No. 1,268,995; June 11; v. 251; p. 279.
Parmley, Walter C., Upper Montclair, N. J. Concrete-block construction. No. 1,258,805; Mar. 12; v. 248; p. 287.
Parnall, Archie E., assignor to F. W. Williams, Chicago, Ill. Talking-machine mechanism. No. 1,263,279; Apr. 16; v. 249; p. 702.
Parnall, Archie E., assignor to F. W. Williams, Chicago, Ill. Talking-machine mechanism. No. 1,265,498; May 7; v. 250; p. 172.
Parnall, Archie E., assignor to F. W. Williams, Chicago, Ill. Centrifugal speed-regulator for phonographs. No. 1,266,306; May 14; v. 250; p. 425.
Parnall, Archie E., assignor to F. W. Williams, Chicago, Ill. Talking-machine mechanism. No. 1,266,307; May 14; v. 250; p. 425.
Parnall, Archie E., assignor to F. W. Williams, Chicago, Ill. Phonograph-reproducer. No. 1,284,136; Nov. 5; v. 256; p. 185.
Parnell, Charles P., assignor of one-half to G. R. King, New York, N. Y. Device for bending pipes. No. 1,267,798; May 28; v. 250; p. 897.
Parnell, John J., Miami, Fla. Towel-supply cabinet. No. 1,255,782; Feb. 5; v. 247; p. 193.
Parobi, Theodore, Dundee Lake, N. J. Shoe. No. 1,269,737; June 18; v. 251; p. 516.
Parobi, Theodore, Dundee Lake, N. J. Smoke-consumer. No. 1,273,402; July 23; v. 252; p. 825.
Paroly, Isidor, New York, assignor to M. Kamenstein, Brooklyn, N. Y. Sheet-metal box. No. 1,257,385; Feb. 26; v. 247; p. 775.
Parpert, Herman, assignor to American Stove Company, St. Louis, Mo. Water-heater. No 1,278,003; Sept. 3; v. 254; p. 184.
Parpert, Herman E., Boekenkamp, and L. Stockstrom, assignors to American Stove Company, St. Louis, Mo. Gasolene-burner. No. 1,258,039; Mar. 5; v. 248; p. 27.
Parr, Edward S. (See Teel and Parr.)
Parr, George T., assignor to P. J. Lavalle, St. Paul, Minn. Aerial-insulation-repairing device. No. 1,269,956; June 18; v. 251; p. 576.
Parr, Tom D., London, England. Recovering the vapor of volatile liquids. No. 1,269,639; June 18; v. 251; p. 489.
Parradee, Edward, Chicago, Ill. Clamping device. No. 1,273,658; July 23; v. 252; p. 894.
Parradee, Edward, Chicago, Ill. Automobile-bumper. No. 1,277,749; Sept. 3; v. 254; p. 116.
Parrella, Antonio, Washington, D. C. Signal. No. 1,287,412; Dec. 10; v. 257; p. 338.
Parrella, Joseph A., Washington, D. C. Press for neckties. No. 1,256,161; Feb. 12; v. 247; p. 345.
Parrella, Joseph A., Washington, D. C. Pen-extractor. No. 1,274,760; Aug. 6; v. 253; p. 120.
Parrella, Joseph A., Washington, D. C. Combination tool. No. 1,287,413; Dec. 10; v. 257; p. 339.
Parriott, William, Detroit, Mich. Agricultural implement. No. 1,276,403; Aug. 20; v. 253; p. 633.
Parrish, Alan J., Paris, Ill. Machine for making concrete pavements and the like. No. 1,265,499; May 7; v. 250; p. 172.
Parrish-Alford Fence & Machine Company. (See Dwiggins, John W., assignor.)
Parrish, Bert N., assignor to Electric Intake Heater Company, Jackson, Mich. Heater for intake-manifolds of internal-combustion engines. No. 1,260,441; Mar. 26; v. 248; p. 821.
Parrish, James R., Nashville, Tenn. Napkin or bib holder. No. 1,272,512; July 16; v. 252; p. 552.
Parrish, Russell J., Richmond, Ind. Internal-combustion turbine. No. 1,276,260; Aug. 20; v. 253; p. 592.
Parrish, Stephen E., Grand Rapids, Mich. Tool-box for Ford autos. No. 1,287,738; Dec. 17; v. 257; p. 450.
Parrott, Bert R., Jackson, Mich., assignor, by mesne assignments, to Highway Tractor Company, Indianapolis, Ind. Tractor. No. 1,278,498; Sept. 10; v. 254; p. 340.
Parrott, Columbus A., Texarkana, Tex. Starter. No. 1,258,442; Mar. 5; v. 248; p. 144.
Parry, Samuel R. (See Morse, William F., assignor.)
Parsell, Orlando W., Bad Axe, Mich. Spray-pump. No. 1,265,366; May 7; v. 250; p. 136.
Parsloe, Frederick E., Milwaukee, Wis. Machine for examining textiles. No. 1,272,513; July 16; v. 252; p. 552.
Parslow, Samuel R., assignor of one-half to J. Grant, St. Paul, Minn. Milling-machine. No. 1,261,432; Apr. 2; v. 249; p. 125.
Parsons, Carl B., Detroit, Mich. Concealed hinge. No. 1,276,404; Aug. 20; v. 253; p. 634.
Parsons, Channing W., assignor to R & P Tractor Company, Alma, Mich. Vehicle drive mechanism. No. 1,289,531; Dec. 31; v. 257; p. 941.
Parsons, Channing W., assignor to R & P Tractor Company, Alma, Mich. Tractor-frame. No. 1,289,532; Dec. 31; v. 257; p. 941.
Parsons, Charles A., Newcastle-upon-Tyne, R. J. Walker, S. S. Cook, and L. M. Douglas, Wallsend, England; said Walker, said Cook, and said Douglas assignors to said Parsons. Ship-propulsion installation. No. 1,274,319; July 30; v. 252; p. 1113.
Parsons, Charles A., Newcastle-upon-Tyne, R. J. Walker, S. S. Cook, and L. M. Douglas, Wallsend, England; said Walker, said Cook, and said Douglas assignors to said Parsons. Turbine installation for ship propulsion. No. 1,281,824; Oct. 15; v. 255; p. 526.
Parsons, Charles A., A. Q. Carnegie, Newcastle-upon Tyne, and S. S. Cook, Wallsend, England; said Carnegie and Cook assignors to said Parsons. Gear-cutting machine. No. 1,252,482; Jan. 8; v. 246; p. 336.
Parsons, Charles A., A. Q. Carnegie, Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Carnegie and said Cook assignors to said Parsons. Gear-cutting machine. No. 1,274,583; Aug. 6; v. 253; p. 70.
Parsons, Charles A., A. Q. Carnegie, Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Carnegie and said Cook assignors to said Parsons. Gear-cutting machine. No. 1,274,584; Aug. 6; v. 253; p. 70.
Parsons, Charles A., A. Q. Carnegie, Newcastle-on-Tyne, and S. S. Cook, Wallsend, England; said Carnegie and said Cook assignors to said Parsons. Gear-cutting machine. No. 1,274,585; Aug. 6; v. 253; p. 70.
Parsons, Charles A., S. S. Cook, and L. M. Douglas, Wallsend, England; said Cook and said Douglas assignors to said Parsons. Blade-shrouding for steam-turbines. No. 1,276,405; Aug. 20; v. 253; p. 634.
Parsons, Eli B., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Incandescent-lamp signal. No. 1,276,805; Aug. 27; v. 253; p. 779.
Parsons, Fred A., Milwaukee, assignor to The Kempsmith Manufacturing Co., West Allis, Wis. Transmission mechanism for machine-tools. No. 1,270,862; July 2; v. 252; p. 31.
Parsons, Fred A., Milwaukee, assignor to The Kempsmith Manufacturing Co., West Allis, Wis. Milling-machine. No. 1,288,978; Dec. 24; v. 257; p. 779.
Parsons, Frederick W. (See Parsons, Jackson G. and F. W.)
Parsons, George H., assignor to Kroeger Piano Company, Stamford, Conn. Pedal-controlled phrasing device for player-pianos. No. 1,271,934; July 9; v. 252; p. 363.
Parsons, Harold K., Southbridge, Mass. Eye-protector. No. 1,269,498; June 11; v. 251; p. 418.
Parsons, Jackson G. and F. W., East Cleveland, Ohio. Controlling-lever for automobiles. No. 1,285,351; Nov. 19; v. 256; p. 560.
Parsons, John H., assignor of one-half to W. H. Savery, Wilmington, Del. Apparatus for impregnating wood. No. 1,257,923; Feb. 26; v. 247; p. 933.
Parsons, Joseph, Lakeville, Conn. Fireplace heating system. No. 1,251,916; Jan. 1; v. 246; p. 140.
Parsons, Marion S., Joplin, Mo. Pump-cylinder. No. 1,281,412; Oct. 15; v. 255; p. 417.
Parsons, Newell B. (See Chase and Parsons.)
Parsons, Philip D., Philadelphia, Pa., assignor to Scott Paper Company. Apparatus for sealing packing-cases. No. 1,273,531; July 23; v. 252; p. 859.
Parsons, Richard C., London, England. Fluid pump, turbine, and the like. No. 1,254,156; Jan. 22; v. 246; p. 870.
Parsons, Richard C., London, England. Fluid pump, turbine, and the like. No. 1,271,072; July 2; v. 252; p. 90.

Parsons, Robert J., Schenectady, N. Y., assignor to General Electric Company. Double-current overload-relay. No. 1,273,659; July 23; v. 252; p. 895.
Parsons, Sidney H., and R. F. Heron, assignors of one-third to E. P. Vernon, Los Angeles, Cal. Apparatus for treating nuts. No. 1,267,110; May 21; v. 250; p. 679.
Parsons, Warren J., Huntington, W. Va. Combined lawn-trimmer and sod-cutter. No. 1,266,617; May 21; v. 250; p. 542.
Parsons, William S., Grove Park, assignor to J. Stone & Company Limited, Deptford, England. Refuse-ejector for ships. No. 1,251,917; Jan. 1; v. 246; p. 141.
Partanen, Isak, Telluride, Colo. Smelting zinc. No. 1,254,531; Jan. 22; v. 246; p. 976.
Partch, Archie F., Los Angeles, Cal. Apparatus for applying paste to box ends. No. 1,276,954; Aug. 27; v. 253; p. 818.
Parti-Colored Glass Bottle Company. (See Finkbeiner, Charles K., assignor.)
Partington, Eduard, Westwood Park, England. Beating or grinding of paper-pulp. No. 1,277,637; Sept. 3; v. 254; p. 85.
Partmann, John, New York, and S. Balada, Brooklyn, N. Y. Machine for stitching gas-mantles. No. 1,260,023; Mar. 19; v. 248; p. 670.
Parton, Clarence E. S., Lampasas, Tex. Stove-lid and damper. No. 1,269,850; June 18; v. 251; p. 548.
Parton, William H., Lincoln, Nebr. Tank. No. 1,260,024; Mar. 19; v. 248; p. 670.
Partridge, Charles L., Omaha, Nebr. Precision-saw. No. 1,283,551; Nov. 5; v. 256; p. 29.
Paryzek, Leo J., Cleveland, Ohio. Liquid-depth or amount gage. No. 1,274,932; Aug. 6; v. 253; p. 167.
Pascal, Israel, Montreal, Quebec, Canada. Tire. No. 1,255,565; Feb. 5; v. 247; p. 131.
Pascale, Miguel, Tucson, Ariz. Bolt for boilers. No. 1,275,084; Aug. 6; v. 253; p. 210.
Paschal, David N., Richmond, Va. Cooking utensil. No. 1,277,253; Aug. 27; v. 253; p. 897.
Paschall, William, Birmingham, Ala. Metal-bound joint or lock straight-edge. No. 1,276,565; Aug. 20; v. 253; p. 677.
Pascocello, Michael, *et al.* (See Landolfi, Louis, assignor.)
Pascucci, Emilio. (See Gage and Pascucci.) (Reissue.)
Pascucci, Vincenzo, New York, N. Y. Signaling device. No. 1,259,278; Mar. 12; v. 248; p. 421.
Pashley, Cecil L. (See Wright and Pashley.)
Paskal, Peter E., Toronto, Ontario, Canada. Child's cradle. No. 1,282,927; Oct. 29; v. 255; p. 894.
Pass & Seymour. (See Morey, Harry J., assignor.)
Passaic Metal Ware Company. (See Karp, Morris, assignor.)
Passer, Fred E., Wells, Minn. Wild-pea mill. No. 1,253,875; Jan. 15; v. 246; p. 770.
Pastore, Cesare, Sessa Aurunca, Italy. Electric safety device against housebreaking, burglary, and the like. No. 1,252,834; Jan. 8; v. 246; p. 435.
Pasznicki, Piotr, West Toronto, Ontario, Canada. Rifle-sight attachment. No. 1,275,730; Aug. 13; v. 253; p. 413.
Pasznicki, Piotr, West Toronto, Ontario, Canada. Bookcase. No. 1,286,079; Nov. 26; v. 256; p. 781.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Two-part yoke. No. 1,255,217; Feb. 5; v. 247; p. 29.
Patch, Calvin B. Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,256,826; Feb. 19; v. 247; p. 577.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-rigging. No. 1,258,939; Mar. 12; v. 248; p. 326.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,278,377; Sept. 10; v. 254; p. 309.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,278,378; Sept. 10; v. 254; p. 309.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,286,752; Dec. 3; v. 257; p. 135.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,753; Dec. 3; v. 257; p. 136.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable draw-bar and yoke connection. No. 1,286,754; Dec. 3; v. 257; p. 136.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,286,755; Dec. 3; v. 257; p. 136.
Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable connection for standard draw-bars and yokes. No. 1,286,756; Dec. 3; v. 257; p. 136.
Patch, Harry M., Seattle, Wash. Differential gearing. No. 1,259,279; Mar. 12; v. 248; p. 421.
Patch, Harry M., Seattle, Wash. Change-speed mechanism for automobiles. No. 1,273,266; July 23; v. 252; p. 788.
Patch, Harry M., Seattle, Wash. Differential-power-transmission device. No. 1,283,283; Oct. 29; v. 255; p. 989.
Patch, Theodore B., Boston, Mass. Clutch-releasing mechanism. No. 1,254,349; Jan. 22; v. 246; p. 924.
Patchen, Thomas P., Dunlap, Iowa. Sled-runner attachment. No. 1,252,161; Jan. 1; v. 246; p. 210.
Pate, William H., Jefferson, assignor of one-half to T. F. Moss, Avenger, Tex. Mower. No. 1,287,414; Dec. 10; v. 257; p. 339.
Patee, Fred, Denver, Colo. Refrigerator-car. No. 1,256,162; Feb. 12; v. 247; p. 346.
Patelski, Erich J., Chicago, Ill. Electric-railway system. No. 1,272,844; July 16; v. 252; p. 649.
Patelski, Erich J., Chicago, Ill. Electric-railway system. No. 1,274,076; July 30; v. 252; p. 1046.
Patent Button Company. (See White, Franklin R., assignor.)
Patent Holding Company. (See Gladwill, Rudolph H., assignor.)
Patent Novelty Company. (See Reimer, George H., assignor.)
Patented Devices Company. (See Hough, William B., assignor.)
Pater, Paul G., assignor to The Long & Allstatter Company, Hamilton, Ohio. Punching-machine. No. 1,277,469; Sept. 3; v. 254; p. 37
Paternostro, Luca, Dallas, Tex. Shoemaker's gimlet. No. 1,263,698; Apr. 23; v. 249; p. 839.
Paterson, Edward A., Thorold, Canada. Binder for roads, &c., and making same. No. 1,266,618; May 21; v. 250; p. 542.
Paterson, May H. (See Paterson, William and M. H.)
Paterson, Samuel, Kenton, Manitoba, Canada, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Supervisory control-circuits for telephone systems. No. 1,269,499; June 11; v. 251; p. 418.
Paterson, Thomas W., Liverpool, England. Carbureter. No. 1,262,243; Apr. 9; v. 249; p. 383.
Paterson, William and M. H., Oakland, Cal. Automobile-tractor. No. 1,269,113; June 11; v. 251; p. 312.
Paterson, William and M. H., Oakland, Cal. Motor-driven plow traction-wheel. No. 1,282,119; Oct. 22; v. 255; p. 649.
Pathé, Emile, Paris, France, assignor to Pathe Freres Phonograph Company, New York, N. Y. Talking-machine. No. 1,251,565; Jan. 1; v. 246; p. 36.
Pathe Freres Phonograph Company. (See Pathé, Emile, assignor.)
Patric, Charles E., Springfield, Ohio. Furrow-opener for seeding-machines. No. 1,254,266; Jan. 22; v. 246; p. 900.
Patrick, Henry, New Brunswick, N. J. Automobile turning-signal. No. 1,257,294; Feb. 19; v. 247; p. 715.
Patrick, Isaac, assignor to Consolidated Press Company, Hastings, Mich. Toggle drawing-press. No. 1,255,332; Feb. 5; v. 247; p. 63.
Patrick, Isaac, assignor to Consolidated Press Company, Hastings, Mich. Blank-holder toggle-movement for drawing-presses. No. 1,280,286; Oct. 1; v. 255; p. 48.
Patrick, Norman. (See Myers, Melvin A., assignor.)
Patrick, Robert A., assignor to Columbian Bronze Corporation, Freeport, N. Y. Machine for generating the pitch of propeller-blades. No. 1,254,063; Jan. 22; v. 246; p. 842.
Patrick, Robert A., assignor to Columbian Bronze Corporation, Freeport, N. Y. Making patterns for propeller-blades. No. 1,254,064; Jan. 22; v. 246; p. 843.
Patrige, Harry A. (See Bumgardner, George L., assignor.)
Pattat, Constant. (See Newland, Grant, assignor.)
Patten, Charles H., assignor to Charles E. Hancock Company, Providence, R. I. Connector for band-bracelets. No. 1,255,923; Feb. 12; v. 247; p. 274.
Patten, Ernest L., Malden, Mass. Machine for cutting soles. No. 1,270,319; June 25; v. 251; p. 700.
Patten, John, Baltimore, Md. Acid-concentrating apparatus. No. 1,286,080; Nov. 26; v. 256; p. 781.
Patten, John, Baltimore, Md. Acid-concentrating apparatus. No. 1,286,188; Nov. 26; v. 256; p. 808.
Patten, John, and E. B. Miller, Baltimore, Md. Recording apparatus for safe-deposit boxes. No. 1,274,761; Aug. 6; v. 253; p. 120.
Patten, Milton K., Torrington, Conn. Fishing-rod. No. 1,271,073; July 2; v. 252; p. 90.
Patterson, Albert L., Seattle, Wash. Steering-head lock. No. 1,287,089; Dec. 10; v. 257; p. 257.
Patterson, Arthur F., Patten, Me. Saw-set. No. 1,280,079; Sept. 24; v. 254; p. 829.
Patterson, Ben, assignor to The Patterson-Sargent Company, Cleveland, Ohio. Carrying device for receptacles. No. 1,269,738; June 18; v. 251; p. 516.
Patterson, Benjamin G., Oklahoma, Okla. Nut-lock. No. 1,260,569; Mar. 26; v. 248; p. 860.
Patterson, Clarence L., assignor to Metalwood Manufacturing Company, Detroit, Mich. Fluid-pressure-testing machine. No. 1,282,120; Oct. 22; v. 255; p. 646.
Patterson, Clyde R., Riverside, Cal. Music-leaf turner. No. 1,258,443; Mar. 5; v. 248; p. 144.
Patterson, Curtis J., Kansas City, Kans. Mixing dough. No. 1,279,143; Sept. 17; v. 254; p. 543.
Patterson, Duncan W., Cranford, assignor to MacAndrews and Forbes Company, Camden, N. J. Fire-extinguishing system of the sprinkler-head type. No. 1,259,906; Mar. 19; v. 248; p. 634.
Patterson, Edgar W., Simi, Cal. Cleaning beans, peas, and the like. No. 1,262,554; Apr. 9; v. 249; p. 470.

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Patterson, Franklin M., Jersey City, N. J., assignor, by mesne assignments, to Everlasting Valve Company. Internal-combustion steam-generator. No. 1,253,522; Jan. 15; v. 246; p. 668.
Patterson, Franklin M., Jersey City, N. J., assignor, by mesne assignments, to Everlasting Valve Company. Valve. No. 1,257,020; Feb. 19; v. 247: p. 636.
Patterson, George F., Baltimore, Md. Feed-water regulator. No. 1,266,619; May 21; v. 250; p. 542.
Patterson, Helen A. (See Patterson, John B., assignor.)
Patterson, James A., Sherman township, Clay county, Kans. Rotary road-making machine. No. 1,253,876; Jan. 15; v. 246; p. 770.
Patterson, James C., Baltimore, Md., assignor to Standard Cotton Company of America. Process and apparatus for treating frost-bitten or immature cotton-bolls. No. 1,259,661; Mar. 19; v. 248; p. 562.
Patterson, John, *et al.* (See Cathey, Hardy L., assignor.)
Patterson, John B., assignor of one-half to H. A. Patterson, Primghar, Iowa. Wire-stretcher. No. 1,279,752; Sept. 24; v. 254; p. 736.
Patterson, Joseph A., Waynesburg, Pa. Gun-rack. No. 1,257,107; Feb. 19; v. 247; p. 659.
Patterson, Joseph A., Waynesburg, Pa. Rail-joint. No. 1,273,660; July 23; v. 252; p. 895.
Patterson, Joseph C. (See Hilgeman, Patterson, and Graham.)
Patterson, Samuel A. (See Faidley, Morris, and Patterson.)
Patterson-Sargent Company, The. (See Patterson, Ben, assignor.)
Patterson, T. W., *et al.* (See Cathey, Hardy L., assignor.)
Patterson, Thomas S., Rosemont, Pa. Power-transmitting apparatus. No. 1,276,701; Aug. 20; v. 253; p. 713.
Patterson, Truman J., Ellijay, Ga. Washboard. No. 1,264,849; Apr. 30; v. 249; p. 1189.
Patterson, Walter R., Seattle, Wash. Fuel-saver. No. 1,290,014; Dec. 31; v. 257; p. 1059.
Patterson, Warren A., assignor of one-fourth to A. P. Boulware and one-fourth to R. H. Boulware, Dallas, Tex. Disintegrating-machine. No. 1,286,757; Dec. 3; v. 257; p. 136.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Unitary dissolving-view projection apparatus. No. 1,254,724; Jan. 29; v. 246; p. 1063.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Operating-table illuminator. No. 1,277,109; Aug. 27; v. 253; p. 860.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Operating-table illuminator. No. 1,277,110; Aug. 27; v. 253; p. 860.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Operating-table illuminator. No. 1,277,111; Aug. 27; v. 253; p. 861.
Patterson, William L., and G. A. H. Kellner, assignors to Bausch & Lomb Optical Co., Rochester, N. Y. Microscope. No. 1,283,884; Nov. 5; v. 256; p. 118.
Pattinson, John R., Hutchinson, Kans. Electrically-controlled gas-engine fuel system. No. 1,288,439; Dec. 17; v. 257; p. 619.
Pattison, Albert W., Lockport, N. Y., assignor to Niagara Oil Burner Company. Vaporizer hydrocarbon-burner. No. 1,285,352; Nov. 19; v. 256; p. 560.
Pattison, Allen S. and H. A., Washington, D. C., assignors to Central Railway Signal Company, Pittsburgh, Pa. Method and apparatus for the manufacture of railway signal-torpedoes. No. 1,282,624; Oct. 22; v. 255; p. 783.
Pattison, Floyd B., Detroit, Mich. Boring-tool. No. 1,288,979; Dec. 24; v. 257; p. 779.
Pattison, Hubert A. (See Pattison, Allen S. and H. A.)
Pattison, Mildred, St. Paul, Minn. Skein-holding device. No. 1,252,483; Jan. 8; v. 246; p. 336.
Pattison, Thomas, San Jose, Cal. Bread-toaster. No. 1,279,144; Sept. 17; v. 254; p. 544.
Pattison, William, Widnes, England. Tipping mechanism for railway and like wagons. No. 1,280,531; Oct. 1; v. 255; p. 116.
Patton Bin & Fixture Company, The. (See Patton, William, assignor.)
Patton, Hugh H., Jr., Cleveland, Ohio. Container-top. No. 1,280,827; Oct. 8; v. 255; p. 224.
Patton, John G., Philadelphia, Pa. Lining and advertising device for finger-bowls. No. 1,267,262; May 21; v. 250; p. 721.
Patton, Luther, West Blocton, Ala. Insect-catcher. No. 1,289,250; Dec. 31; v. 257; p. 871.
Patton, Luther, and H. B. Wallace, Blocton, Ala.; said Wallace assignor to said Patton. Insect-destroyer. No. 1,256,036; Feb. 12; v. 247; p. 307.
Patton, Moses F., Tuscaloosa, Ala., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust-guard for pneumatic-tire valves. No. 1,288,155; Dec. 17; v. 257; p. 554.
Patton, Ralph C. (See Downes and Patton.)
Patton, Ralph C., assignor to D & W Fuse Company, Providence, R. I. Reloadable fuse. No. 1,257,021; Feb. 19; v. 247; p. 636.
Patton, William, assignor to The Patton Bin & Fixture Company, Cincinnati, Ohio. Dispensing apparatus. No. 1,252,022; Jan. 1; v. 246; p. 171.
Pattyn, Henry G. (See Rotru, Aloïs A., assignor.)
Patzner, Eugene, Fountain City, Wis. Swivel-hinge-gate opener and closer. No. 1,269,114; June 11; v. 251; p. 313.
Pauer, Joseph, and E. Bahnik, Cleveland, Ohio. Grinding-machine. No. 1,252,162; Jan. 1; v. 246; p. 210.
Paul, Abram F., and A. J. Tanner, London, England, assignors to Prepayment Car Sales Company, New York, N. Y. Passenger-vehicle. No. 1,265,367; May 7; v. 250; p. 136.
Paul, Albert W., Chicago Junction, Ohio. Shade-roller. No. 1,258,940; Mar. 12; v. 248; p. 326.
Paul, Andrew G., Boston, Mass. Valve device for use in heating systems. No. 1,271,212; July 2; v. 252; p. 130.
Paul, Christian F., Jr., Newark, N. J., assignor to The Spalding By-Products Company, New Haven, Conn. Treatment of animal and vegetable oils, fats, and greases. No. 1,264,206; Apr. 30; v. 249; p. 1012.
Paul, Edward B., Winthrop, Mass. Fare-register. No. 1,286,758; Dec. 3; v. 257; p. 137.
Paul, Elmer D. (See Warner and Paul.)
Paul, Frederick N., Flagstaff, Ariz. Tooth-brush. No. 1,254,532; Jan. 22; v. 246; p. 977.
Paul, Frederick N., Flagstaff, Ariz. Ventilated shoe. No. 1,264,122; Apr. 23; v. 249; p. 954.
Paul, Harry W. E., Watts, Cal. Nut-lock. No. 1,258,358; Mar. 5; v. 248; p. 118.
Paul J. Kalman Company. (See Murray, Charles F., assignor.)
Paul, James, Cambridge, Ohio. Safety bolt and nut. No. 1,287,415; Dec. 10; v. 257; p. 339.
Paul, Leon R., Hereford, Tex. Nut-lock. No. 1,271,935; July 9; v. 252; p. 363.
Paul Mandeville Co., The. (See Mandeville, Paul, assignor.)
Paul, Raymond, assignor to Gainer & Koehler, Chicago, Ill. Stylus-holder. No. 1,286,759; Dec. 3; v. 257; p. 137.
Paul, Roy W., and L. L. Clark, Charleston, Okla. Rotary valve and manifold. No. 1,264,850; Apr. 30; v. 249; p. 1189.
Paul, William C., assignor to Common-Sense Mfg. Company, Newark, N. J. Shock-absorber. No. 1,280,287; Oct. 1; v. 255; p. 48.
Paul, William L., San Francisco, Cal., assignor to Deere & Company, Moline, Ill. Draft-evener. No. 1,263,102; Apr. 16; v. 249; p. 656.
Paulett, Henry, Godrergraig, W. A. Jones, Swansea, and W. Hughes, Ystalyfera, Wales. Cooking-oven. No. 1,272,514; July 16; v. 252; p. 553.
Pauli, Carl, Sound Beach, Conn., assignor to Garwood Company, Garwood, N. J. Mechanical movement. No. 1,252,484; Jan. 8; v. 246; p. 336.
Pauli, Carl, Sound Beach, Conn., assignor to Garwood Company, Garwood, N. J. Mechanical movement. No. 1,252,485; Jan. 8; v. 246; p. 336.
Paull, Edward T. (See Stephenson, Leonard D., assignor.)
Paulsmeier, Albert C., Alameda, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Pump. No. 1,259,437; Mar. 12; v. 248; p. 468.
Paulsen, Edmund, Omaha, Nebr. Dump-wagon. No. 1,270,863; July 2; v. 252; p. 31.
Paulsen, Frederick, Minneapolis, Minn. Apparatus for molding tires. No. 1,262,695; Apr. 16; v. 249; p. 539.
Paulsen, Frederick, Minneapolis, Minn. Tire-core. No. 1,269,500; June 11; v. 251; p. 419.
Paulsen, Harry, New York, N. Y. Roller-skate. No. 1,268,385; June 4; v. 251; p. 90.
Paulsen, Theodore, Sedro Woolley, Wash. Stationary power-transmitting attachment for automobiles. No. 1,254,844; Jan. 29; v. 246; p. 1100.
Paulsen, Thomas R., Modesto, Cal., assignor of one-fifth to H. T. Johnson and one-fifth to S. Latz. Platform-track wheel. No. 1,255,218; Feb. 5; v. 247; p. 30.
Paulson, Alfred, assignor to National Wire Wheel Works, Inc., Geneva, N. Y. Locking device for demountable vehicle-wheels. No. 1,259,438; Mar. 12; v. 248; p. 468.
Paulson, Bernt, Canton, S. D. Moldboard and share. No. 1,289,891; Dec. 31; v. 257; p. 1029.
Paulson, Charles J., Brooklyn, N. Y. Snap-fastening. No. 1,262,244; Apr. 9; v. 249; p. 383.
Paulson, Edward, Greenvalley, Wis. Rail-joint. No. 1,272,704; July 16; v. 252; p. 609.
Paulson, Ernest W., Otoe, Iowa. Corn-planter-frame construction. No. 1,267,111; May 21; v. 250; p. 680.
Paulson, Peter E., Eastedge, N. D. Speed-alarm for autovehicles. No. 1,263,280; Apr. 16; v. 249; p. 702.
Paulson, Rudolf, Foxboro, Mass. Brake. No. 1,259,771; Mar. 19; v. 248; p. 594.
Paulson, Swen, Heber City, Utah. Knife. No. 1,252,486; Jan. 8; v. 246; p. 336.
Paulson, Walter H. (See Lathrop and Paulson.)
Pauly, Albert A., Youngstown, Ohio. Molding apparatus. No. 1,253,991; Jan. 15; v. 246; p. 801.
Pauly, Albert A., Youngstown, Ohio. Conveying apparatus for molded blocks. No. 1,284,137; Nov. 5; v. 256; p. 185.
Paup, W. W. (See Myers, Melvin A., assignor.)
Paupa, Joseph, assignor to Thos. E. Wilson & Co., Chicago, Ill. Aviation helmet. No. 1,272,309; July 9; v. 252; p. 471.

Paupa, Joseph, and G. F. Hochriem, Chicago, Ill. Coin-controlled vending-machine. No. 1,275,731; Aug. 13; v. 253; p. 414.
Paupa, Joseph, and B. F. Hochriem, Chicago, Ill. Coin-controlled vending-machine. No. 1,277,470; Sept. 3; v. 254; p. 38.
Pavesi, Ugo, Milan, Italy. Axle-coupling for road-vehicles. No. 1,281,648; Oct. 15; v. 255; p. 478.
Pavlidès, Paul. Paris, France. Turbine set. No. 1,274,320; July 30; v. 252; p. 1113.
Pavlidès, Paul G., and L. F. Feraldi, Paris, France. Flexible metallic tire for motor and other vehicles. No. 1,271,609; July 9; v. 252; p. 272.
Pavlik, Frank, Jr., Westminster, Colo. Dry closet. No. 1,265,368; May 7; v. 250; p. 136.
Pavlik, Frank, Jr., Westminster, Colo. Dry closet. No. 1,276,069; Aug. 20; v. 253; p. 540.
Pavlik, Frank, Jr., Westminster, Colo. Dry closet. No. 1,287,739; Dec. 17; v. 257; p. 450.
Pavlik, Frank, Jr., Waukegan, Ill. Dry closet. No. 1,289,251; Dec. 31; v. 257; p. 871.
Pawel, George W., Hudson Falls, and E. A. Rekate, Lancaster, N. Y., assignors to United States Nickel Company, New Brunswick, N. J. Separation of metals. No. 1,276,809; Aug. 27; v. 253; p. 780.
Pawling and Harnischfeger Company. (See Weickel, Henry, assignor.)
Pawson, William A., San Francisco, Cal. Carpenter's square. No. 1,256,827; Feb. 19; v. 247; p. 577.
Paxton, Sherman H., Minneapolis, Minn. Dispensing and printing device for paper tape. No. 1,263,597; Apr. 23; v. 249; p. 812.
Paxton, Thomas W., assignor to Shipbuilders Pneumatic Tool Co., Portland, Oreg. Fluid-operated turbine. No. 1,283,423; Oct. 29; v. 255; p. 1027.
Paxton, William D., Laporte, Ind. Motor-vehicle drive. No. 1,284,759; Nov. 12; v. 256; p. 371.
Payment, Louis, assignor to C. W. Richards, Manchester, N. H. Roving cutter or stripper. No. 1,276,685; Aug. 20; v. 253; p. 710.
Paymer, Charles A., Brooklyn, N. Y. Drawers-supporting belt attachment. No. 1,279,753; Sept. 24; v. 254; p. 736.
Payne, Alvah, and C. W. McFarlane, Orange, Tex. Hay-press. No. 1,255,041; Jan. 29; v. 246; p. 1154.
Payne, Arthur H., *et al.* (See Payne, Samuel R., assignor.)
Payne, Charles H., Kings Mills, Ohio. Mucilage-distributing device. No. 1,287,416; Dec. 10; v. 257; p. 339.
Payne, Clarence Q., New York, N. Y. Method of and apparatus for the grading or sizing of materials of all kinds. No. 1,283,284; Oct. 29; v. 255; p. 989.
Payne, Edwin C., Tacoma, Wash. Device for measuring heights of trees and the like. No. 1,253,877; Jan. 15; v. 246; p. 770.
Payne, Elial M., *et al.* (See Ranney, Justine W., assignor.)
Payne, Frank E. (See Crane and Payne.)
Payne, Fred E., assignor to Goodyear Rubber Company, Middletown, Conn. Arctic overshoe. No. 1,286,760; Dec. 3; v. 257; p. 137.
Payne, George T., Mobile, Ala. Resilient wheel. No. 1,286,761; Dec. 3; v. 257; p. 137.
Payne, George V., Chicago, Ill. Method for ascertaining the location of leaks in underground fluid-pressure pipes. No. 1,252,487; Jan. 8; v. 246; p. 337.
Payne, George V., Chicago, Ill. Ascertaining leaks in underground fluid-pressure pipes. No. 1,252,488; Jan. 8; v 246; p. 337.
Payne, James B., Richmond, Cal. Spring vehicle-wheel. No. 1,258,444; Mar. 5; v. 248; p. 145.
Payne, John A., and H. E. Cunningham, Little Rock, Ark. Level. No. 1,265,500; May 7; v. 250; p. 172.
Payne, Luther M., Campbell, R. A. Thompson, Dallas, and L. P. Morris, Campbell, Tex. Churn. No. 1,268,766; June 4; v. 251; p. 197.
Payne, Nathan B. (See Bartholomew and Payne.)
Payne, Samuel R. (See Hurst, Woodford G., assignor.)
Payne, Samuel R., assignor of one-fiftieth to P. Schaubel and one-fiftieth to A. H. Payne, Protection, Kans. Gate for railway-crossings. No. 1,261,433; Apr. 2; v. 249; p. 125.
Payne, Thomas C., St. Albans, W. Va. Wire-stretcher. No. 1,289,252; Dec. 31; v. 257; p. 871.
Payne, Walter P., New Haven, Conn., assignor to L. Candee & Co. Vulcanizing rubber. No. 1,263,462; Apr. 23; v. 249; p. 776.
Payne, William J., Panther Burn, Miss. Mechanical movement. No. 1,278,734; Sept. 10; v. 254; p. 405.
Payne, William L. (See Ratliff and Payne.)
Payne, William R., Eskdale, W. Va. Watch-fob. No. 1,285,353; Nov. 19; v. 256; p. 560.
Paynter, Albert J., Alton, Kans. Safety device for railroad-crossings. No. 1,280,532; Oct. 1; v. 255; p. 116.
Payson, Stephen R., Providence, R. I. Protector for meter connections. No. 1,260,025; Mar. 19; v. 248; p. 670.
Payton, Arthur L. (See Reid, William, assignor.)
Payton, C. T. (See Guild, George R., assignor.)
Payton, Lewis A., Haskew, Okla. Fluid-pump. No. 1,269,739; June 18; v. 251; p. 517.
Payzant, Henry H., assignor of one-half to E. M. Rogers, Everett, Wash. Cutter-head. No. 1,265,501; May 7; v. 250; p. 172.
Pazandak, Louis A., Minneapolis, Minn. Hitch for vehicles. No. 1,277,638; Sept. 3; v. 254; p. 85.
Peabody, Charles M., South Orange, N. J. Watchman's clock. No. 1,266,620; May 21; v. 250; p. 542.
Peabody, Ernest H., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Atomizer or spraying device. No. 1,261,282; Apr. 2; v. 249; p. 82.
Peabody, Ernest H., New York, N. Y., and T. B. Stillman, Jr., Hoboken, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Oil-burning apparatus. No. 1,261,281; Apr. 2; v. 249; p. 82.
Peabody School Furniture Company, The. (See Wolfe, Jacob J., assignor.)
Peacock, Benjamin A. (See Haslup and Peacock.)
Peacock, Benjamin A., Philadelphia, Pa., assignor to Haslup and Peacock, Inc., New York, N. Y. Obtaining potassium sulfate. No. 1,279,145; Sept. 17; v. 254; p. 544.
Peacock, Robert A., Delaware City, Del. Parlor-golf game. No. 1,260,026; Mar. 19; v. 248; p. 671.
Peacock, Samuel, Philadelpha, Pa., assignor to Haslup & Peacock, Inc., New York, N. Y. Removing suspended solids in gases. No. 1,268,486; June 4; v. 251; p. 119.
Peacock, Samuel, Philadelphia, Pa., assignor to Haslup and Peacock, Inc., New York, N. Y. Electric furnace. No. 1,279,146; Sept. 17; v. 254; p. 544.
Peak, Edwin, Centralia, assignor of one-half to J. H. Gilbert, Plant City, Fla. Mosquito net or canopy holder. No. 1,268,767; June 4; v. 251; p. 197.
Peal, Marshall B., Brooklyn, N. Y. Phonograph. No. 1,265,502; May 7; v. 250; p. 173.
Pearce, Herbert, and F. Spence, Broadheath, England, assignors to Linotype and Machinery Limited, London, England. Bed-reciprocating mechanism. No. 1,256,252; Feb. 12; v. 247; p. 373.
Pearce, Herbert, and F. Spence, Broadheath, assignors to Linotype and Machinery Limited, London, England. Bed-reciprocating mechanism. No. 1,269,210; June 11; v. 251; p. 340.
Pearce, Herbert, and F. Spence, Broadheath, assignors to Linotype and Machinery Limited, London, England. Bed-reciprocating mechanism. No. 1,287,090; Dec. 10; v. 257; p. 257.
Pearce, Jackson A., Idaho Springs, Colo. Flotation process and apparatus. No. 1,277,750; Sept. 3; v. 254; p. 117.
Pearce, Louise. (See Jacobs, Brown, Heidelberger, and Pearce.)
Pearce, William, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Golf-ball. No. 1,286,081; Nov. 26; v. 256; p. 781.
Pearen, Wesley A. H., Medora, Manitoba, Canada. Shackle. No. 1,262,974; Apr. 16; v. 249; p. 617.
Pearl, John W., and W. Starkey, assignors to Dutchess Hat Works, Beacon, N. Y. Fur-napped felt-bodied hat. No. 1,273,403; July 23; v. 252; p. 825.
Pearman, Frank M., assignor to E. J. Hanson, Watertown, S. D. Babbitting-jig. No. 1,258,702; Mar. 12; v. 248; p. 258.
Pearne, Frank D., Chicago, Ill., and C. V. Joseph, Terre Haute, assignors to Highway Iron Products Company, Indianapolis, Ind. Collapsible core for constructing culverts. No. 1,257,924; Feb. 26; v. 247; p. 934.
Pearsall, Albert W., Lowell, assignor to The Lamson Company, Boston, Mass. Despatch and distributing system. No. 1,256,037; Feb. 12; v. 247; p. 307.
Pearsall, Albert W., Lowell, assignor to The Lamson Company, Boston, Mass. Pneumatic-despatch delivery-terminal. No. 1,274,699; Aug. 20; v. 253; p. 713.
Pearsall, Harry R., Binghamton, N. Y. Spark-plug. No. 1,276,105; Aug. 20; v. 253; p. 550.
Pearsall, Luther T., Dansville, N. Y. Valve. No. 1,279,900; Sept. 24; v. 254; p. 780.
Pearson, John H., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Machine for truing toric tools. No. 1,287,091; Dec. 10; v. 257; p. 258.
Pearson, Abijah, Boston, Mass. Trolley. No. 1,284,437; Nov. 12; v. 256; p. 291.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,257,386; Feb. 26; v. 247; p. 775.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,257,387; Feb. 26; v. 247; p. 776.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Tractor-hitch for harvesting-machines. No. 1,266,710; May 21; v. 250; p. 567.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Pitman connection for mowers. No. 1,266,984; May 21; v. 250; p. 644.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Cutting apparatus of mowing-machines and harvesters. No. 1,281,825; Oct. 15; v. 255; p. 526.
Pearson, Christopher, Philadelphia, Pa. Shock-absorbing device. No. 1,255,566; Feb. 5; v. 247; p. 131.

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Pearson, Coleman F., Montgomery, Ala. Grease-catching device for automobiles. No. 1,273,918; July 30; v. 252; p. 1003.
Pearson, Harris W. (See Lake, George W., assignor.)
Pearson, Helen S., *et al*, executors. (See Pearson, Walter B.)
Pearson, James H., assignor of one-third to J. Hasler and one-third to C. E. Fuller, Bloomfield, Ind. Airship. No. 1,255,042; Jan. 29; v. 246; p. 1155.
Pearson, John, Chicago, Ill. Car construction. No. 1,261,604; Apr. 2; v. 249; p. 173.
Pearson, John H., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Reciprocating lens-surfacing apparatus. No. 1,288,156; Dec. 17; v. 257; p. 554.
Pearson, John R., assignor to himself, G. W. McCloskey, and C. Y. Van Doren, Brooklyn, N. Y. Metallic box. No. 1,252,489; Jan. 8; v. 246; p. 337.
Pearson, John W., Chicago, Ill. Commutator. No. 1,278,201; Sept. 10; v. 254; p. 261.
Pearson, Nels, Deep Bay, British Columbia, Canada. Safety-hook. No. 1,272,705; July 16; v. 252; p. 609.
Pearson, Robert D., Palo Alto, Cal. Buckle. No. 1,258,359; Mar. 5; v. 248; p. 118.
Pearson, Walter B., deceased, Chicago, Ill.; H. S. Pearson, W. E. Cooper, and C. S. Jefferson, executors. Golf-ball marker. No. 1,281,063; Oct. 8; v. 255; p. 287.
Pearson, Ward E. (See O'Neill and Pearson.)
Pearsons, George T., New York, N. Y. Fire-extinguisher. No. 1,289,253; Dec. 31; v. 257; p. 872.
Pease, Charles F., assignor to The C. F. Pease Company, Chicago, Ill. Method of and apparatus for drying coated paper. No. 1,260,570; Mar. 26; v. 248; p. 860.
Pease, Frederick O., Chicago, Ill. Chiropodist's or surgeon's instrument. No. 1,255,043; Jan. 29; v. 246; p. 1155.
Pease, George E. (See Eno and Pease.)
Pease, George W., Pittsfield, Mass. Garment. No. 1,255,333; Feb. 5; v. 247; p. 63.
Pease, George W., Pittsfield, Mass. Garment. No. 1,255,334; Feb. 5; v. 247; p. 63.
Pease, George W., Pittsfield, Mass. Garment. No. 1,272,706; July 16; v. 252; p. 609.
Pease, George W., Pittsfield, Mass. Garment. No. 1,273,532; July 23; v. 252; p. 860.
Pease, Harold C., Schenectady, N. Y. Lamp-screen. No. 1,268,145; June 4; v. 251; p. 22.
Pease, Herbert D. (See Spies and Pease.)
Pease, Lewis E., Somerville, Mass. Label for towel-racks and similar articles. No. 1,258,941; Mar. 12; v. 248; p. 327.
Pease, Oscar D. A., and J. F. Fetterly, Altoona, Pa. Car-wheel-quenching device. No. 1,276,106; Aug. 20; v. 253; p. 550.
Pease, Roger S., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Making wire-glass. No. 1,259,772; Mar. 19; v. 248; p. 595.
Peaslee, Hugh D., Oakland, Cal. Combined clutch, brake, and gear-operating lever for automobiles. No. 1,274,762; Aug. 6; v. 253; p. 120.
Peaslee, John N., St. Paul, Minn. Camping-stove. No. 1,258,040; Mar. 5; v. 248; p. 27.
Peaslee, Willis D. A., Corvallis, Oreg. Gas-turbine. No. 1,255,924; Feb. 12; v. 247; p. 274.
Peasley, Mark L., Fishtrap, and T. A. Pence, Cheney, Wash. Autosled. No. 1,257,735; Feb. 26; v. 247; p. 880.
Peat Coal Limited. (See Jenkins, Charles D., assignor.)
Peatman, William M., Orofino, Idaho. Differential mechanism. No. 1,277,471; Sept. 3; v. 254; p. 38.
Peavey, William O., Ebro, Minn. Post-peeling machine. No. 1,284,760; Nov. 12; v. 256; p. 371.
Pebelier, Paul, San Jose, Cal. Vehicle-signal device. No. 1,266,043; May 14; v. 250; p. 352.
Peck, Alfred L., Salt Lake City, Utah. Combined child's bed and exerciser. No. 1,284,438; Nov. 12; v. 256; p. 292.
Peck, Arthur R., Los Angeles, Cal. Filtering apparatus. No. 1,282,280; Oct. 22; v. 255; p. 689.
Peck, Charles L., Chicago, Ill. Air-control device for gas-engines. No. 1,260,571; Mar. 26; v. 248; p. 860.
Peck, Charles L., assignor to The Dorr Company, New York, N. Y. Recovery of proteids from waste liquors of the hide-treating art. No. 1,274,763; Aug. 6; v. 253; p. 121.
Peck, Charles W., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn. Stranding-machine. No. 1,271,518; July 2; v. 252; p. 213.
Peck, Frank J., Lincoln, Nebr. Sewer-flusher. No. 1,264,679; Apr. 30; v. 249; p. 1144.
Peck, Franklin G., Honor, Mich. Veneer package. No. 1,254,430; Jan. 22; v. 246; p. 947.
Peck, George C., and H. B. Shields, Schenectady, N. Y. Bread-toaster. No. 1,266,308; May 14; v. 250; p. 426.
Peck, Ira F., Greenwood, Miss. Motion-picture apparatus. No. 1,255,044; Jan. 29; v. 246; p. 1155.
Peck, Irving W., Macon, Ga. Wind-shield. No. 1,252,611; Jan. 8; v. 246; p. 372.
Peck, Irving W., Macon, Ga. Cushion-cover for fruit-crates. No. 1,253,628; Jan. 15; v. 246; p. 698.
Peck, Irving W., Macon, Ga. Cushion-cover for fruit-crates. No. 1,282,711; Oct. 22; v. 255; p. 807.
Peck, James F., Sherman, Tex. Hopper-door. No. 1,272,515; July 16; v. 252; p. 553.
Peck, John S., Altrincham, and S. Eckmann, Whalley Range, England, assignors to Westinghouse Electric and Manufacturing Company. Control system for fly-wheel motors. No. 1,251,688; Jan. 1; v. 246; p. 74.
Peck, Lyman J., Napa, Cal. Road-oiler. No. 1,279,147; Sept. 17; v. 254; p. 544.
Peck, Roderick A., and A. W. McClean, St. Louis, Mo. Universal, extensible, balanced bracket. No. 1,272,845; July 16; v. 252; p. 649.
Peck, Samuel S. (See Lyon and Peck.)
Peck, Stow & Wilcox Company, The. (See Broemel, Louis, assignor.)
Peck, Walter F., *et al.* (See Gotti, Constantine J., assignor.)
Peck, William W., Kalamazoo, Mich. Foundry-flask. No. 1,287,417; Dec. 10; v. 257; p. 339.
Peckham, Charles F., Providence, R. I. Thermal fuse. No. 1,259,662; Mar. 19; v. 248; p. 562.
Peckham, Charles F., Providence, R. I. Automatic sprinkler. No. 1,259,663; Mar. 19; v. 248; p. 562.
Peckham, Charles F., Providence, R. I. Sprinkler-head. No. 1,285,354; Nov. 19; v. 256; p. 560.
Peckham, James A., San Jose, Cal. Shoe-polisher. No. 1,257,736; Feb. 26; v. 247; p. 880.
Peckham, Samuel C., assignor of one-eighth to M. Adams, Mexia, Tex. Peanut-roasting device. No. 1,275,085; Aug. 6; v. 253; p. 211.
Peckins, Nathan. (See Lipschitz and Peckins.)
Pecore, Louis A., Dallas, Wis. Plow-jointer. No. 1,289,254; Dec. 31; v. 257; p. 872.
Pedane, Henry R., *et al.* (See Matthews, Charles D., assignor.)
Peddie, Sidney F., Amsterdam, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guard for sewing-machines. No. 1,283,552; Nov. 5; v. 256; p. 30.
Pedelty, Walter B., Mason City, Iowa, assignor to The Aultman and Taylor Machinery Company, Mansfield, Ohio. Vehicle-axle. No. 1,258,445; Mar. 5; v. 248; p. 145.
Pedelty, Walter B., Mason City, Iowa, assignor to The Aultman and Taylor Machinery Company, Mansfield, Ohio. Driving mechanism. No. 1,258,446; Mar. 5; v. 248; p. 145.
Pedelty, Walter B., Mason City, Iowa., assignor to The Aultman and Taylor Machinery Company, Mansfield, Ohio. Gear-casing. No. 1,258,447; Mar. 5; v. 248; p. 145.
Pedersen, Carl A., Wilson, Ark. Stovepipe-hanger. No. 1,255,219; Feb. 5; v. 247; p. 30.
Pedersen, Carl E., Östre Aker, near Christiania, Norway. Combustion device for steam-boilers and the like. No. 1,257,108; Feb. 19; v. 247; p. 659.
Pedersen, Hazel N., Racine, Wis. Spring-seat construction. No. 1,256,364; Feb. 12; v. 247; p. 406.
Pedersen, Henning E., assignor of one-half to A. Langenbach, Kenosha, Wis. Utensil-protector. No. 1,274,764; Aug. 6; v. 253; p. 121.
Pedersen, Oscar A., New York, N. Y. Telephone collection-box. No. 1,254,533; Jan. 22; v. 246; p. 977.
Pedersen, Rasmus, Parkersburg, Iowa. Adjustable neck-tie-fastener. No. 1,266,850; May 21; v. 250; p. 606.
Pedersen, Robert C., and E. C. McConnell, assignors to The United Neckwear Manufacturing Company, Waterloo, Iowa. Fastener for bow-ties. No. 1,259,552; Mar. 19; v. 248; p. 533.
Pederson, Marinus P., Chicago, Ill. Spinning-machine. No. 1,286,082; Nov. 26; v. 256; p. 781.
Pederson, Marinus P., Chicago, Ill. Spinning-machine. No. 1,288,668; Dec. 24; v. 257; p. 706.
Pederson, Martin, Proctor, Minn. Chalk-holding device. No. 1,278,735; Sept. 10; v. 254; p. 405.
Pedigo, Sanford I., Indianapolis, Ind. Tank-hose connection. No. 1,278,004; Sept. 3; v. 254; p. 184.
Pedo, Emil E., Cleveland, Ohio. Window-screen. No. 1,270,656; June 25; v. 251; p. 792.
Pedrick, Albert H., Springfield, Ohio. Pavement-cutting machine. No. 1,271,757; July 9; v. 252; p. 314.
Pedrick, Howard A., Bala, and G. F. Kolb, Philadelphia, Pa., assignors, by mesne assignments, to Wilkening Manufacturing Company. Making piston-rings. No. 1,284,439; Nov. 12; v. 256; p. 292.
Peebles, Florence P., and H. H. K. Jefferson, Birmingham, Ala. Gas-stove attachment. No. 1,267,263; May 21; v. 250; p. 721.
Peed, James R., Jersey City, N. J. Medicine-dropping bottle. No. 1,273,919; July 30; v. 252; p. 1003.
Peek, George W., San Francisco, Cal. Ironing-board cabinet. No. 1,288,157; Dec. 17; v. 257; p. 555.
Peel, Christopher, Coscob, Conn. Imprint. No. 1,255,045; Jan. 29; v. 246; p. 1155.
Peel, Christopher, Coscob, Conn. Vehicle-wheel. No. 1,255,046; Jan. 29; v. 246; p. 1155.
Peel, Robert and T. F. Shevels, New Brancepth Colliery, England. Coke-oven door. No. 1,276,107; Aug. 20; v. 253; p. 550.

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Peel, William M., Aspermont, Tex. Cultivator-fender. No. 1,279,418; Sept. 17; v. 254; p. 619.
Peelle Company, The. (See Peelle, John W., assignor.)
Peelle Company, The. (See Wexler, Benjamin, assignor.)
Peelle, John W., Brooklyn, assignor to The Peelle Company, New York, N. Y. Controlling means for elevator doors. No. 1,257,109; Feb. 19; v. 247; p. 659.
Peeling, Joseph J., Brooklyn, N. Y. Loading and unloading device. No. 1,266,851; May 21; v. 250; p. 606.
Peerless Chain Company. (See Gahring, Frederic A., assignor.)
Peerless Husker Company. (See Sells and Hoy, assignors.)
Peerless Knitting Mills Company, The. (See Scott, Robert A., assignor.)
Peerless Motor Car Company, The. (See Strickland, William R., assignor.)
Peerless Motor Car Company, The. (See Wadsworth, George R., assignor.)
Peery, James. (See Bean, Edgar V., assignor.)
Peets, Clifford S., Great Neck Station, N. Y. Side drive for automobiles. No. 1,255,783; Feb. 5; v. 247; p. 193.
Peets, Clifford S., Great Neck, N. Y., O. D. Shonnard, Montclair, and R. G. Du Bois, East Orange, N. J. Pivotal connection for motor-vehicles. No. 1,260,027; Mar. 19; v. 248; p. 671.
Peffers, Andrew R., Aurora, assignor of one-half to F. C. Schultz, Congess Park, Ill. Nut-lock. No. 1,274,077; July 30; v. 252; p. 1047.
Pegau, Otto A. (See Hund and Pegau.)
Pegler, John, Charles City, Iowa. Wrench. No. 1,280,533; Oct. 1; v. 255; p. 116.
Pegram, George B. (See Falk and Sugiura, assignors.)
Pegram, George B., New York, N. Y. Method and means for applying iodin and iodin compounds. No. 1,255,335; Feb. 5; v. 247; p. 64.
Pegram, George H., New York, N. Y. Gunboat. No. 1,281,413; Oct. 15; v. 255; p. 417.
Pegram, George H., New York, N. Y. Submersible boat. No. 1,281,414; Oct. 15; v. 255; p. 417.
Pehrson, Alfred K. (See Koch and Pehrson.)
Pehrson, Alfred K., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Hand brake mechanism. No. 1,286,762; Dec. 3; v. 257; p. 138.
Pehrsson, John, assignor to The Garford Manufacturing Company, Elyria, Ohio. Connector for electric circuits. No. 1,278,202; Sept. 10; v. 254; p. 262.
Peifer, John C., Benson, Minn. Coop. No. 1,258,448; Mar. 5; v. 248; p. 146.
Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Manufacture of glassware. No. 1,259,281; Mar. 12; v. 248; p. 422.
Peiler, Karl E., Hartford, Conn., assignor of six-ninths to Beech-Nut Packing Company, Canajoharie, N. Y., two-ninths to W. A. Lorenz, and one-ninth to K. E. Peiler, Hartford, Conn. Gum-melting machine. No. 1,262,246; Apr. 9; v. 249; p. 384.
Peiler, Karl E., Hartford, Conn., assignor of six-ninths to Beech-Nut Packing Company, Canajoharie, N. Y., two-ninths to W. A. Lorenz, and one-ninth to K. E. Peiler, Hartford, Conn. Machine for melting gum. No. 1,262,247; Apr. 9; v. 249; p. 384.
Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Glass-shaping mold. No. 1,259,280; Mar. 12; v. 248; p. 422.
Peiler, Karl E., Hartford, Conn., assignor of six-ninths to Beech-Nut Packing Company, Canajoharie, N. Y., two-ninths to W. A. Lorenz, and one-ninth to K. E. Peiler, Hartford, Conn. Machine and process for treating gum. No. 1,263,281; Apr. 16; v. 249; p. 703.
Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Apparatus for conveying molten glass. No. 1,264,328; Apr. 30; v. 249; p. 1045.
Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Feeder for molten glass No. 1,277,254; Aug. 27; v. 253; p. 898.
Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Feeder for molten glass. No. 1,277,255; Aug. 27; v. 253; p. 898.
Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Feeding molten glass. No. 1,277,256; Aug. 27; v. 253; p. 898.
Peirce, John R., New York, N. Y. Mechanism for mechanically transferring items of account. No. 1,253,417; Jan. 15; v. 246; p. 640.
Peirce, John R., New York, N. Y. Machine for check-making, &c. No. 1,260,704; Mar. 26; v. 248; p. 900.
Peirce, John R., New York, N. Y. Recording mechanism. No. 1,260,705; Mar. 26; v. 248; p. 900.
Peirce, John R., New York, N. Y. Listing-machine for pay-rolls and the like. No. 1,260,706; Mar. 26; v. 248; p. 900.
Peirce, John R., New York, N. Y., assignor to Peirce Patents Company. Recording mechanism for weighing and similar machines. No. 1,261,434; Apr. 2; v. 249; p. 126.
Peirce, Joseph W., Cornish, N. H. Heat-radiator. No. 1,261,160; Apr. 2; v. 249; p. 48.
Peirce Patents Company. (See Peirce, John R., assignor.)
Peirce, Ralph S., Hinsdale, Ill. Drill. No. 1,282,928; Oct. 29; v. 255; p. 894.
Peiter, Frederick, Cleveland, Ohio. Coke-oven. No. 1,267,332; May 21; v. 250; p. 739.
Pejchar, Josef, Brooklyn, N. Y. Cuff-link. No. 1,258,449; Mar. 5; v. 248; p. 146.
Pejchar, Josef, Brooklyn, N. Y. Tweezers. No. 1,276,406; Aug. 20; v. 253; p. 634.
Pelander, Charles G. (See Christopher, Keith, Allsteadt, Einsel, and Pelander.)
Pell, Earl W., Cleveland, Ohio. Signaling apparatus. No. 1,252,163; Jan. 1; v. 246; p. 211.
Pellegrin, Alfred L., Tucson, Ariz. Treating ores. No. 1,286,400; Dec. 3; v. 257; p. 53.
Pellerin, Adam, St. Flore, Quebec, Canada. Bull-screen cleaner. No. 1,275,299; Aug. 13; v. 253; p. 294.
Pelletier, Charles E., New Orleans, La. Remote-control electric switch. No. 1,254,534; Jan. 22; v. 246; p. 977.
Peltier, Alfred, St. Paul, Minn. Snow-elevating machine. No. 1,252,164; Jan. 1; v. 246; p. 211.
Peltier, Edwin, and C. Savacool, Detroit, Mich. Resilient wheel. No. 1,279,754; Sept. 24; v. 254; p. 737.
Pelto, Matt, Warren, Ohio. Figure toy. No. 1,272,516; July 16; v. 252; p. 553.
Pelton, B. H., Jr. (See Pelton, Benjamin H., assignor.)
Pelton, Benjamin H., Santa Monica, Cal., assignor to B. H. Pelton, Jr., Casper, Wyo. Wave-motor. No. 1,289,533; Dec. 31; v. 257; p. 941.
Pelton, George W., Fruitland, Iowa. Reflector. No. 1,253,274; Jan. 15; v. 246; p. 595.
Pelton Water Wheel Company. (See Doble, William A., assignor.)
Pelton Water Wheel Company. (See Doble and Jacobsen, assignors.)
Pemberton, Ernest M., *et al.* (See Humphries, William L., assignor.)
Pemberton, Harry H., and C. A. Moore, Roseville, Ohio. Phonograph-record cabinet. No. 1,264,851; Apr. 30; v. 249; p. 1189.
Pembroke, Charles J., *et al.* (See Sears, George H., assignor.)
Penberthy Injector Company. (See McClymont, Bryce W., assignor.)
Pence, Frank R. (See Hunt, William A., assignor.)
Pence, Thomas A. (See Peasley and Pence.)
Pence, Lafe V., Flint, assignor to General Motors Corporation, Detroit, Mich. Valve-operating mechanism. No. 1,267,899; May 28; v. 250; p. 927.
Pence, Lafe V., Flint, assignor to General Motors Corporation, Detroit, Mich. Propeller drive mechanism for motor-vehicles. No. 1,277,112; Aug. 27; v. 253; p. 861.
Pence, Frank N. (See Hunt, William A., assignor.)
Pendell, Orville, Schenectady, N. Y. Furnace. No. 1,279,419; Sept. 17; v. 254; p. 619.
Pendergast, Frederick W., Cambridge, Mass. Torpedo-deflector. No. 1,257,521; Feb. 26; v. 247; p. 816.
Penfield, Raymond C. (See Moore, Benjiman S., assignor.)
Penfield, Raymond C., New York, N. Y. Brick-filler. No. 1,265,106; May 7; v. 250; p. 66.
Penfield, Raymond C., New York, N. Y. Brick-backing apparatus. No. 1,290,015; Dec. 31; v. 257; p. 1059.
Pendleton, Fields S., Brooklyn, N. Y. Construction of ships' hulls. No. 1,255,784; Feb. 5; v. 247; p. 194.
Pendleton, Frank E., Montclair, N. J. Fluid-meter. No. 1,264,553; Apr. 30; v. 249; p. 1109.
Pendleton, Frank E., Montclair, N. J. Variable-speed power-transmission device. No. 1,278,994; Sept. 17; v. 254; p. 505.
Pendleton, Frank E., Montclair, N. J. Steam-trap. No. 1,280,828; Oct. 8; v. 255; p. 224.
Peniozak, John, Pe Ell, Washington. Nut-lock. No. 1,253,523; Jan. 15; v. 246; p. 669.
Penn, Charles A., New York, N. Y., assignor to American Tobacco Company. Packet for cigarette-smokers. No. 1,280,534; Oct. 1; v. 255; p. 116.
Penn Hardware Company. (See Cleaver, George E., assignor.)
Penn, John M., Red Oak, Iowa. Tongue-support for vehicles. No. 1,265,503; May 7; v. 250; p. 173.
Penner, John L. (See Reimer and Penner.)
Penniman, Anson W., Berkeley, Cal. Display-stand. No. 1,266,149; May 14; v. 250; p. 383.
Pennington, Edieth, Pequot, Minn. Bedstead attachment. No. 1,282,281; Oct. 22; v. 255; p. 690.
Pennington, John R., assignor to Sharp & Smith, Chicago, Ill. Rectal speculum. No. 1,286,083; Nov. 26; v. 256; p. 782.
Pennington, Joseph A., Moscow, Idaho. Horseshoe-calk. No. 1,260,028; Mar. 19; v. 248; p. 671.
Pennington, Joseph L., Tonopah, Nev. Irrigating apparatus. No. 1,258,240; Mar. 5; v. 248; p. 84.
Pennington, Phil M., Bellevue, Tex. Cut-out device for windmills. No. 1,270,320; June 25; v. 251; p. 700.
Pennington, William F., Tide, La. Branding-hammer. No. 1,259,904; Mar. 19; v. 248; p. 634.
Pennock, Edward M., assignor to Minnesota Tank & Silo Company, Minneapolis, Minn. Cooler. No. 1,283,885; Nov. 5; v. 256; p. 119.

Alphabetical list of patentees—Continued.

Pennock, George A., Oak Park, Ill., assignor to Western Electric Company, New York, N. Y. Vapor and fume controlling system. No. 1,254,725; Jan. 29; v. 246; p. 1063.
Pennsylvania Company. (See Holt, Thomas, assignor.)
Pennsylvania Crusher Company. (See Hiller, Joseph L., assignor.)
Pennsylvania Engineering Works. (See Furst, John K., assignor.)
Pennsylvania Lawn Mower Works. (See Braun, William F. H., assignor.)
Pennsylvania Lawn Mower Works. (See Braun, William P. M., assignor.)
Pennsylvania Salt Manufacturing Company. (See Hall, Clarence A., assignor.)
Pennsylvania Tank Car Company. (See Stevenson, Frank M., assignor.)
Pennsylvania Tank Car Company, The. (See Rodman and Drake, assignors.)
Pennsylvania Tank Car Company, The. (See Rodman and Stevenson, assignors.)
Penny Package Corporation. (See Tarasch, Louis C., assignor.)
Penrose, Hallack A. (See Brush, Addison P., assignor.)
Pente, William, Chicago, Ill. Toy house. No. 1,263,282; Apr. 16; v. 249; p. 703.
Pentecost, Arthur, East Orange, N. J., assignor to The Adder Machine Company, Wilkes-Barre, Pa. Calculating-machine. No. 1,282,282; Oct. 22; v. 255; p. 690.
Pentecost, William M., *et al.* (See Biggers, Lee P., assignor.)
Pentico, Solomon, Woodward, Iowa. Combined scoop-board and end-gate. No. 1,254,932; Jan. 29; v. 246; p. 1125.
Pentler, Sigmund J., and O. R. Short, Wausau, Wis. Making shoes. No. 1,282,625; Oct. 22; v. 255; p. 783.
Penwell, Lewis, Helena, Mont. Automobile fence-crossing. No. 1,257,633; Feb. 26; v. 247; p. 849.
Penza, Frederick, Brooklyn, N. Y. Die-pin for macaroni-machines. No. 1,262,385; Apr. 9; v. 249; p. 423.
People of the United States and Territories. (See Mowry, Charles W., assignor.)
People of the United States of America. (See Armington, James R., assignor.)
People of the United States of America. (See Reid, Irene, assignor.)
People of the United States of America, The. (See Willis, Charles C., assignor.)
Peoples, Micheal L. (See Feser and Peoples.)
Pepin, Louis, Busby, Mont. Burglar-alarm. No. 1,265,504; May 7; v. 250; p. 173.
Pepin, Napoleon, Woonsocket, R. I. Ice-cream-cone disher. No. 1,255,785; Feb. 5; v. 247; p. 197.
Pepper, Clifford G., Pittsburg, Kans. Holder for riveting-tools. No. 1,283,886; Nov. 5; v. 256; p. 119.
Pepper, David E., and H. Strelow, Venice, Cal. Oil-burner. No. 1,252,716; Jan. 8; v. 246; p. 403.
Pepper, Eugene W., Aberdeen, S. D. Wading-boot. No. 1,264,123; Apr. 23; v. 249; p. 954.
Pepperd, Merrill, Wilmore, Kans. Airplane-starter. No. 1,258,450; Mar. 5; v. 248; p. 146.
Pepple, John W., San Antonio, Tex. Vehicle-tire. No. 1,266,852; May 21; v. 250; p. 606.
Peradotto, Antonio. (See Bosio and Peradotto.)
Peralta, Floyd F. (See Fidiam and Peralta.)
Perceval, Dudley, London, England. Wind-screen for vehicles. No. 1,261,283; Apr. 2; v. 249; p. 82.
Percival, Glenn W., *et al.* (See Groves, Ray H., assignor.)
Perdelwitz, Edward H., Anadarko, Okla. Preserving meat. No. 1,259,439; Mar. 12; v. 248; p. 468.
Perdew, Herbert B. (See Calahan, John F., assignor.)
Perdue, Henry C., Valparaiso, Ind., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,284,138; Nov. 5; v. 256; p. 185.
Pereira, Manuel S., and C. Silva, Brooklyn, N. Y. Bearing. No. 1,278,500; Sept. 10; v. 254; p. 341.
Pereira, Manuel S., and C. Silva, Brooklyn, N. Y. Protector for vessels. No. 1,259,440; Mar. 12; v. 248; p. 468.
Perey, Hubert. (See Perey, John F. and H.)
Perey, John F. and H., Brooklyn, N. Y. Turnstile. No. 1,254,065; Jan. 22; v. 246; p. 843.
Perfect Bottle Opener Company. (See Cochrane, Robert B., assignor.)
Perfect Vacuum Canning Company. (See Norton, Edwin, assignor.)
Perfect Vacuum Canning Company. (See Norton and Krümmel, assignors.)
Perfect Window Regulator Company. (See Norwood, Harry E., assignor.)
"Perfecta" Boiler Circulator Limited. (See Josling, Harold W. E., assignor.)
Perfection Concrete Stave Silo Company. (See Perkins, Charles J., assignor.)
Perfection Gas Engine Company. (See Brown, James A., assignor.)
Perfection Manufacturing Company. (See Dinesen, Laurits, assignor.)
Perfection Manufacturing Company. (See Dinesen, Laurits, assignor.)
Perfection Manufacturing Company. (See Stines, Edward H., assignor.)
Perfection Wood Steaming Retort Co. (See Miller, Frank L., assignor.)
Peris, Nicholas U., Steelton, assignor of one-third to F. E. Howells and one-third to R. G. Warren, Harrisburg, Pa. Hydraulic, steam, or air valve. No. 1,252,490; Jan. 8; v. 246; p. 338.
Perk van Lith, Edward A., New York, N. Y. Rotary engine. No. 1,257,156; Feb. 19; v. 247; p. 673.
Perkins, Alonson D., New York, N. Y. Spark-plug tester. No. 1,262,088; Apr. 9; v. 249; p. 338.
Perkins, Alvah L., assignor to The William Carter Company, Needham Heights, Mass. Union-undergarment. No. 1,276,407; Aug. 20; v. 253; p. 634.
Perkins, Andrew J. and L., Chicago, Ill. Lifting-jack. No. 1,260,030; Mar. 19; v. 248; p. 672.
Perkins, Bert B., Monticello, Minn. Door-screen. No. 1,274,933; Aug. 6; v. 253; p. 168.
Perkins, Charles, Bridgewater, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of nails. No. 1,254,157; Jan. 22; v. 246; p. 870.
Perkins, Charles J., assignor to Perfection Concrete Stave Silo Company, Des Moines, Iowa. Mold for plastic blocks. No. 1,285,355; Nov. 19; v. 256; p. 561.
Perkins, Chester A., South Bend, Ind. Bird box or house. No. 1,258,703; Mar. 12; v. 248; p. 258.
Perkins, Chester A., South Bend, Ind. Mason's jointer. No. 1,259,553; Mar. 19; v. 248; p. 533.
Perkins Electric Switch Manufacturing Company, The. (See Thomas, George B., assignor.)
Perkins, Floyd N., Freeport, Ill. Refrigerator-door fastener. No. 1,257,522; Feb. 26; v. 247; p. 816.
Perkins, Frank G., deceased, Lansdale, Pa.; G. S. Perkins, executrix, South Bend, Ind., assignor to Perkins Glue Company. Glue-applying apparatus. No. 1,280,288; Oct. 1; v. 255; p. 49.
Perkins, Gertrude S., executrix. (See Perkins, Frank G.)
Perkins Glue Company. (See Robinson, Clarence R., assignor.)
Perkins Glue Company. (See Perkins, Frank G., assignor.)
Perkins, Henry F., Andover, Mass. Folding-machine. No. 1,260,031; Mar. 19; v. 248; p. 672.
Perkins, Julius A., New York, N. Y. Bearing for rollers. No. 1,254,350; Jan. 22; v. 246; p. 925.
Perkins, Laurence M. (See Hellmund, Ferris, and Perkins.)
Perkins, Laurence M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,268,052; May 28; v. 250; p. 968.
Perkins, Lester. (See Perkins, Andrew J. and L.)
Perkins, Sim F., Henderson, Tex. Plow attachment. No. 1,252,491; Jan. 8; v. 246; p. 338.
Perkins, William A., Cortland, N. Y. Hydrocarbon-mixture heater. No. 1,271,357; July 2; v. 252; p. 170.
Perkins, William A., assignor to C. W. Raynor, Portland, Oreg. Combination expansible garment-stretcher. No. 1,282,283; Oct. 22; v. 255; p. 690.
Perkins, William F., Chicago, Ill., assignor to The Webster M'f'g Company, Tiffin, Ohio. Conveyer. No. 1,279,579; Sept. 24; v. 254; p. 687.
Perko, Alois S., assignor to J. Rakos, Cleveland, Ohio. Differential gearing. No. 1,280,535; Oct. 1; v. 255; p. 117.
Perla, Salvatore, New York, N. Y. Automatic musical instrument. No. 1,252,835; Jan. 8; v. 246; p. 435.
Perley, John M., Kirksville, Mo. Dispensing system. No. 1,280,829; Oct. 8; v. 255; p. 225.
Perlman, Benjamin. (See Perlman, Max, B., and H.)
Perlman, Harry. (See Perlman, Max, B., and H.)
Perlman, Jacques M., New York, N. Y. Spring-wheel. No. 1,263,463; Apr. 23; v. 249; p. 776.
Perlman, Louis H., New York, N. Y. Wheel. No. 1,261,605; Apr. 2; v. 249; p. 173.
Perlman, Louis H., New York, N. Y. Wheel. No. 1,265,951; May 14; v. 250; p. 328.
Perlman, Louis H., New York, N. Y. Wheel. No. 1,262,080; Apr. 9; v. 249; p. 338.
Perlman, Louis H., New York, N. Y. Demountable rim. No. 1,267,112; May 21; v. 250; p. 680.
Perlman, Louis H., New York, N. Y. Wheel. No. 1,270,435; June 25; v. 251; p. 732.
Perlman, Louis H., New York, N. Y. Demountable rim. No. 1,270,548; June 25; v. 251; p. 764.
Perlman, Louis H., New York, N. Y. Wheel. No. 1,271,936; July 9; v. 252; p. 363.
Perlman, Louis H., New York, N. Y. Wheel. No. 1,287,418; Dec. 10; v. 257; p. 340.
Perlman, Max, B., and H., Brooklyn, N. Y. Cap. No. 1,267,799; May 28; v. 250; p. 898.
Perlmutter, David G., New York, N. Y. Combination article of furniture. No. 1,252,165; Jan. 1; v. 246; p. 211.
Perlmutter, Joseph, Jersey City, N. J. Cue-tip holder. No. 1,270,864; July 2; v. 252; p. 32.
Perlmutter, Joseph, Jersey City, N. J. Billiard-cue tip. No. 1,274,765; Aug. 6; v. 253; p. 121.
Permar, Ray, assignor of one-half to J. R. Scott, Denver, Colo. Metal-bending tool. No. 1,261,849; Apr. 9; v. 249; p. 275.

Permutit Company, The. (See Duggan, Thomas R., assignor.)
Permutit Company, The. (See Kennicott, Cass L., assignor.)
Permutit Company, The. (See Rudorf, George, assignor.)
Perna, Joseph, Philadelphia, Pa. Tunnel and trench excavating system. No. 1,279,148; Sept. 17; v. 254; p. 545.
Pernek, Thomas, Sr., Hartford, Conn. Automatic extinguisher. No. 1,269,501; June 11; v. 251; p. 419.
Pernula, Andrew, Oneida, Wash. Spring-wheel. No. 1,270,199; June 18; v. 251; p. 640.
Peron, Anthony, New York, N. Y. Device for dispensing liquids. No. 1,264,554; Apr. 30; v. 249; p. 1116.
Peron, Anthony, New York, N. Y. Machine for polishing, cleaning, and rinsing metal ware. No. 1,278,501; Sept. 10; v. 254; p. 341.
Perpick, Mike, Akron, Ohio. Barber-chair attachment. No. 1,260,032; Mar. 19; v. 248; p. 672.
Perrault, Jesse H., Detroit, Mich. Paper bottle and manufacturing same. No. 1,265,505; May 7; v. 250; p. 174.
Perrault, Jesse H., Detroit, Mich. Paper bottle. No. 1,265,506; May 7; v. 250; p. 174.
Perrault, Jesse H., Detroit, Mich. Paper bottle and opener. No. 1,265,507; May 7; v. 250; p. 174.
Perrault, Joseph E., Belmont, Mass. Demountable tire. No. 1,264,969; May 7; v. 250; p. 27.
Perreur-Lloyd, Marcel, Boulogne-sur-Seine, assignor to M. V. Bailly, widow Garin, Paris, France. Apparatus for the electrolytic production of copper and other metals. No. 1,262,248; Apr. 9; v. 249; p. 384.
Perri, Angelo, Groveland, assignor to Reece Shoe Machinery Company, Boston, Mass. Wiping mechanism. No. 1,260,033; Mar. 19; v. 248; p. 673.
Perri, Angelo, Groveland, assignor to Reece Shoe Machinery Company, Boston, Mass. Lasting-machine. No. 1,260,034; Mar. 19; v. 248; p. 673.
Perri, Angelo, Groveland, assignor to Reece Shoe Machinery Company, Boston, Mass. Shoe-heeling method and product thereof. No. 1,289,054; Dec. 24; v. 257; p. 797.
Perrilliat, Arsène, New Orleans, La. Excavator. No. 1,279,149; Sept. 17; v. 254; p. 545.
Perrilliat, Arsène, New Orleans, La. Building levees and embankments. No. 1,279,150; Sept. 17; v. 254; p. 545.
Perrilliat, Arsène, New Orleans, La. Building levees and embankments. No. 1,279,151; Sept. 17; v. 254; p. 545.
Perrin, Albert M., Wilmington, Ohio. Animal-snare. No. 1,257,634; Feb. 26; v. 247; p. 849.
Perrin, Edward R., Wauzeka, Wis. Hammock-chair for handling invalids. No. 1,280,108; Sept. 24; v. 254; p. 837.
Perrin, Emile, Vandes, France. Apparatus for measuring the pitch of cylindrical and conical screws having threads of any section. No. 1,285,356; Nov. 19; v. 256; p. 561.
Perrin, Frederic S., Brooklyn, N. Y., assignor to Splitdorf Electrical Company, Newark, N. J. Electric-circuit-breaking device. No. 1,289,255; Dec. 31; v. 257; p. 872.
Perrin, John G., Detroit, Mich. Tire-carrier for automobiles. No. 1,251,689; Jan. 1; v. 246; p. 75.
Perrin, John G., Detroit, Mich. Speedometer-drive. No. 1,270,549; June 25; v. 251; p. 764.
Perrin, Pierre A. (See Joosten and Perrin.)
Perrin, Roger W., assignor to Theatre Vending Machine Corporation, New York, N. Y. Vending-machine. No. 1,269,502; June 11; v. 251; p. 419.
Perrin, Solon L., *et al.* (See Gothner, John, assignor.)
Perris, Ben, Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Lighting-cabinet. No. 1,279,420; Sept. 17; v. 254; p. 619.
Perry Auto Lock Company. (See Perry, Ira D., assignor.)
Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Interlocking control for mine-hoists. No. 1,273,661; July 23; v. 252; p. 895.
Perry, David, St. Paul, Minn. Dental casting-machine. No. 1,280,289; Oct. 1; v. 255; p. 49.
Perry, Edward W., and G. A. Hudson, Neepawa, Manitoba, Canada. Pocket-holder. No. 1,265,107; May 7; v. 250; p. 67.
Perry, Eugene L., Warren, Pa. Copy-holder. No. 1,256,253; Feb. 12; v. 247; p. 373.
Perry, Felix A. (See Le Clair, Joseph R., assignor.)
Perry, Frank, assignor to Metalloids Limited, Tipton, England. Scaling and annealing of metal articles. No. 1,261,606; Apr. 2; v. 249; p. 174.
Perry, Frederick H., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. No. 1,272,707; July 16; v. 252; p. 610.
Perry, Frederick H., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Rounding and channeling machine. No. 1,272,708; July 16; v. 252; p. 610.
Perry, Frederick H., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Insole-machine. No. 1,285,357; Nov. 19; v. 256; p. 561.
Perry, George E., Chicago, Ill., assignor to Siebe, Gorman & Co., Ltd., London, England. Valve for breathing apparatus. No. 1,287,419; Dec. 10; v. 257; p. 340.
Perry, Harlan A., Westboro, Mass. Fish-scaler. No. 1,281,200; Oct. 8; v. 255; p. 326.
Perry, Harold B., Brattleboro, Vt. Direction-indicator for vehicles. No. 1,260,035; Mar. 19; v. 248; p. 673.
Perry, Howard F. (See Sloan, Perry, and Goodman.)
Perry, Ira D., Chicago, Ill., assignor, by mesne assignments, to Perry Auto Lock Company. Locking device for automobiles. No. 1,282,121; Oct. 22; v. 255; p. 647.
Perry, Ira D., Chicago, Ill., assignor, by mesne assignments, to Perry Auto Lock Company. Locking device for automobiles. No. 1,284,761; Nov. 12; v. 256; p. 371.
Perry, Frederick H., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Channeling shoe-soles. No. 1,272,709; July 16; v. 252; p. 610.
Perry, Hubert M., Chicago, Ill., assignor to A. G. Welch, trustee. Side bearing. No. 1,275,732; Aug. 13; v. 253; p. 414.
Perry, James, Somerville, Mass., assignor to Lockport Machine Company, New York, N. Y. Bottom-forming mechanism for paper bags. No. 1,269,503; June 11; v. 251; p. 419.
Perry, John B., Edmonds, Wash. Convertible furniture. No. 1,258,141; Mar. 5; v. 248; p. 56.
Perry, Murle, Wahpeton, N. D. Device for applying insecticides to animals. No. 1,256,828; Feb. 19; v. 247; p. 577.
Perry, Orin F. and Orin F., Jr., New York, N. Y. Mounting for rapid-fire guns and the like. No. 1,273,178; July 23; v. 252; p. 766.
Perry, Orin F. and Orin F., Jr., New York, N. Y. Mounting for machine-guns and the like. No. 1,273,179; July 23; v. 252; p. 766.
Perry, Ray P., Montclair, N. J., assignor to The Barrett Company, New York, N. Y. Hydrocarbon coke. No. 1,257,959; Feb. 26; v. 247; p. 943.
Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company. Sulfur in globular form and producing the same. No. 1,285,358; Nov. 19; v. 256; p. 562.
Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company. Composite felt and making the same. No. 1,288,158; Dec. 17; v. 257; p. 555.
Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company. Making construction materials. No. 1,288,159; Dec. 17; v. 257; p. 555.
Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company. Material in filamentary form and making the same. No. 1,289,892; Dec. 31; v. 257; p. 1029.
Perry, Reuben W., Spencer, Mass. Sharpening device. No. 1,252,612; Jan. 8; v. 246; p. 373.
Perry, Sherman V., Electra, Tex. Pump. No. 1,260,036; Mar. 19; v. 248; p. 673.
Perry Thomas D., assignor to Grand Rapids Veneer Works, Grand Rapids, Mich. Computing-scale. No. 1,258,041; Mar. 5; v. 248; p. 27.
Perry, Thomas O., Oak Park, Ill. Aircraft for mechanical flight and automatic soaring. No. 1,272,846; July 16; v. 252; p. 649.
Perry, Tony A., Detroit, Mich. Gasolene-tank and filler therefor. No. 1,259,773; Mar. 19; v. 248; p. 595.
Perry, Ward S., assignor to Vesta Accumulator Company, Chicago, Ill. Connector for batteries. No. 1,288,160; Dec. 17; v. 257; p. 556.
Perryclear, William E., Savannah, Ga., assignor of one-half to L. W. High, Wilson, N. C. Sectional tire. No. 1,288,161; Dec. 17; v. 257; p. 556.
Persichetti, Joseph A., Philadelphia, Pa. Boiler-feed-water heater. No. 1,288,162; Dec. 17; v. 257; p. 556.
Persin, Raoul A., Villiers le Bel, assignor to himself and H. A. Lefévre, Paris, France. Ignition-magneto for four-cylinder internal-combustion engines. No. 1,285,359; Nov. 19; v. 256; p. 562.
Persons-Arter Machine Company, The. (See Arter, William, assignor.)
Persons, William F., Lakewood, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile-lamp. No. 1,287,092; Dec. 10; v. 257; p. 258.
Pertz, John W., La Fayette, Ind. Paper or fiber board machine. No. 1,272,847; July 16; v. 252; p. 650.
Pervear Co., H. N. (See Kilkenny, Thomas R., assignor.) (Reissue.)
Pescatore, Antoine B., London, England. Electrode for arc-soldering. No. 1,277,639; Sept. 3; v. 254; p. 86.
Pet-Son Pump Company, The. (See Peters, Theodore, assignor.)
Pet-Son Pump Company, The. (See Peters and Sondermann, assignors.)
Peter A. Frasse & Co. (See Britton, Karl B., assignor.)
Peter, Albert, Kingston, Mich. Door-locking apparatus. No. 1,287,740; Dec. 17; v. 257; p. 450.
Peter, Albert, St. Louis, Mo. Sewer-trap. No. 1,269,640; June 18; v. 251; p. 490.
Peter, Arnold H., assignor to Royal Baking Powder Company, New York, N. Y. Baking-powder. No. 1,265,369; May 7; v. 250; p. 137.

Peter, Bernard H., Westminster, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Signaling system. No. 1,286,401; Dec. 3; v. 257; p. 53.
Peter, Hans, Liestal, Switzerland. Carbureter for internal-combustion engines. No. 1,271,610; July 9; v. 252; p. 272.
Peter, Harry, West St. Paul, Minn. Underframing for wagon-racks. No. 1,260,245; Mar. 19; v. 248; p. 730.
Peter Spence & Sons. (See Spence and Llewellyn, assignors.)
Peterman, Harry A. R., Chicago, Ill. Gage attachment. No. 1,284,762; Nov. 12; v. 256; p. 371.
Peterman, John C., Olney, Pa. Combination-chair. No. 1,267,800; May 28; v. 250; p. 898.
Peterman, Robert F. (See Brandon, Ralph M., assignor.)
Petermann, Joseph, Philadelphia, Pa. Apparatus for cutting and breaking asphalt or concrete. No. 1,276,686; Aug. 20; v. 253; p. 710.
Petermann, Otto, Groton, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,261,850; Apr. 9; v. 249; p. 275.
Petermöller, Joseph, assignor to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland. Steam-turbine-driven centrifugal pump. No. 1,279,421; Sept. 17; v. 254; p. 619.
Peters, Arthur E., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulator for compressor-unloaders. No. 1,261,607; Apr. 2; v. 249; p. 174.
Peters, Cornelius A. (See Beeman and Peters.)
Peters, Edward A., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic musical instrument. No. 1,286,402; Dec. 3; v. 257; p. 53.
Peters, Fay C. (See Kaiser and Peters.)
Peters, Frank M., and W. H. Hungerford, Chicago, Ill.; said Hungerford assignor to said Peters. Machine for subdividing plastic substances. No. 1,257,523; Feb. 26; v. 247; p. 817.
Peters, Frank R. (See Rohman and Peters.)
Peters, Franklin F., Winnipeg, Manitoba, Canada. Moistener. No. 1,255,925; Feb. 12; v. 247; p. 275.
Peters, Fredrich W., West Park, assignor to The Peters Machine and Manufacturing Company, Cleveland, Ohio. Universal joint. No. 1,261,161; Apr. 2; v. 249; p. 48.
Peters, Fritz, Berlin, Germany. Composition for preserving wood. No. 1,265,370; May 7; v. 250; p. 137.
Peters, George E., Rapid City, S. D. Container for hydrocarbon oils. No. 1,262,386; Apr. 9; v. 249; p. 424.
Peters, Heber C., New York, N. Y. Calculating-machine. No. 1,255,567; Feb. 5; v. 247; p. 132.
Peters, Heber C., New York, N. Y. Calculator. No. 1,255,568; Feb. 5; v. 247; p. 132.
Peters, Heber C., New York, N. Y. Calculator. No. 1,255,821; Feb. 5; v. 247; p. 204.
Peters, Jessie T., Crossett, Ark. Ice-box and water-cooler. No. 1,286,084; Nov. 26; v. 256; p. 782.
Peters, John H. D. (See Tracy, Peters, Griffiths, and Hebert.)
Peters, John F., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Poly phase reactance-coil. No. 1,253,275; Jan. 15; v. 246; p. 595.
Peters, Joseph C., Paynesville, Minn. Radiator-heating apparatus. No. 1,260,796; Mar. 26; v. 248; p. 926.
Peters Machine and Manufacturing Company, The. (See Peters, Fredrich W., assignor.)
Peters Machine & Mfg. Company, The. (See Feyzes, Henry J., assignor.)
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Box-covering machine. No. 1,251,811; Jan. 1; v. 246; p. 111.
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Apparatus for neutralizing the curling of freshly-gummed blanks. No. 1,251,812; Jan. 1; v. 246; p. 112.
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. First-stage treatment for box-wrapping machines. No. 1,251,813; Jan. 1; v. 246; p. 112.
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Second-stage treatment for box-wrapping machines. No. 1,251,814; Jan. 1; v. 246; p. 113.
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Box-transferring mechanism for box-wrapping machines. No. 1,251,815; Jan. 1; v. 246; p. 113.
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Combined second and third stage turn-in and finishing treatment for box-wrapping machines. No. 1,251,816; Jan. 1; v. 246; p. 113.
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Gummed-blank wipers for tight and loose types of blank-wrapping work. No. 1,251,817; Jan. 1; v. 246; p. 114.
Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. End-turn-in wiper for wrapping the end edges of boxes with gummed blanks. No. 1,251,818; Jan. 1; v. 246; p. 115.
Peters, Merle A., Huntington, Ind. Automobile-signal. No. 1,277,473; Sept. 3; v. 254; p. 39.
Peters, Myrtle, *et al.* (See McHenry, Hudson O., assignor.)
Peters Patent Rights Company, The. (See Peters, Fath, and Miller, assignors.)
Peters, Robert D., Knox, Ind. Line-drying reel. No. 1,286,085; Nov. 26; v. 256; p. 782.
Peters, Samuel H., Allentown, Pa. Fish-line sinker. No. 1,259,664; Mar. 19; v. 248; p. 563.
Peters, Theodore, assignor to The Pet-Son Pump Company, Ferdinand, Ind. Air-pump for water-distributing systems. No. 1,279,580; Sept. 24; v. 254; p. 687.
Peters, Theodore, and A. F. Sondermann, assignors to The Pet-Son Pump Company, Ferdinand, Ind. Vending-machine for liquids and fluids. No. 1,279,581; Sept. 24; v. 254; p. 687.
Peters, Thomas J., Peters, Fla. Apparatus for drying tomatoes and fruit. No. 1,259,774; Mar. 19; v. 248; p. 595.
Peters, Walter J., Raleigh, W. Va., assignor of one-half to J. M. Field, Norton, Va. Key-indicator for pianos and organs. No. 1,270,657; June 25; v. 251; p. 793.
Peters, William A., assignor to International Patent Licensing Corporation, Chicago, Ill. Attachment for photographic cameras. No. 1,265,371; May 7; v. 250; p. 137.
Peters, William J., Great Kills, N. Y. Torpedo. No. 1,279,152; Sept. 17; v. 254; p. 546.
Petersen, Anker, Winthrop, Mass. Strand-guide for braiding-machines. No. 1,254,066; Jan. 22; v. 246; p. 843.
Petersen, Carl, San Francisco, Cal. Automobile-lock. No. 1,277,113; Aug. 27; v. 253; p. 861.
Petersen, Christine, Evanston, Ill. Corset. No. 1,263,800; Apr. 23; v. 249; p. 866.
Petersen, John H. D., and A. J. Sayers, Chicago, Ill., as-
Petersen, John L. (See Anderson and Petersen.)
signors to Link-Belt Company. Rotary mine-car dump. No. 1,287,093; Dec. 10; v. 257; p. 259.
Peterson, Elmer A., Alvin, Ill. Stovepipe. No. 1,288,163; Dec. 17; v. 257; p. 556.
Peterson, George T., *et al.* (See Conard, Abraham N., assignor.)
Peterson, Johann G., Jersey City, N. J. Electrical attachment-plug. No. 1,288,980; Dec. 24; v. 257; p. 779.
Peterson, John F., Chicago, Ill. Device for feeding liquids. No. 1,289,893; Dec. 31; v. 257; p. 1029.
Petersen, Lawrence, St. Paul, Minn. Sash-hanging means. No. 1,259,041; Mar. 12; v. 248; p. 357.
Petersen, Oluf G., Somerset, Ky. Unloading apparatus for bottom-dump cars. No. 1,252,717; Jan. 8; v. 246; p. 403.
Petersen, Oluf G., Somerset, Ky. Bottom-dump car. No. 1,263,283; Apr. 16; v. 249; p. 703.
Petersen, Paul W., Copenhagen, Denmark. Stationery. No. 1,279,582; Sept. 24; v. 254; p. 688.
Petersen, Paul W., Copenhagen, Denmark. Bridge score-sheet. No. 1,284,763; Nov. 12; v. 256; p. 371.
Petersen, Paul W., Copenhagen, Denmark. Chance device. No. 1,279,583; Sept. 24; v. 254; p. 688.
Petersen, Sverre, assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Hydraulic swivel. No. 1,289,536; Oct. 1; v. 255; p. 117.
Petersen, Viggo S. K., Gentofte, Denmark. Milk-cooling apparatus. No. 1,273,404; July 23; v. 252; p. 825.
Petersen, William S., Fort Dodge, Iowa. Adjustable check-wire holder. No. 1,258,360; Mar. 5; v. 248; p. 118.
Petersohn, August W., Aurora, Ill. Smoking-pipe. No. 1,253,878; Jan. 15; v. 246; p. 771.
Peterson, Albert T., Mahtowa, Minn. Ash-pan. No. No. 1,278,736; Sept. 10; v. 254; p. 405.
Peterson, Albin, Peshtigo, Wis. Stamp-moistener. No. 1,276,408; Aug. 20; v. 253; p. 635.
Peterson, Andrew J. (See Altman, Elmer F., assignor.)
Peterson, Archie, Los Angeles, Cal. Shoe-fastener. No. 1,256,254; Feb. 12; v. 247; p. 374.
Peterson, Arnold J., Cedar Rapids, Iowa. Electric-light-bowl hanger. No. 1,281,999; Oct. 15; v. 255; p. 571.
Peterson, Arthur, Altamont, S. D. Adjustable wind-grading sieve. No. 1,256,366; Feb. 12; v. 247; p. 407.
Peterson, Arthur W., Worcester, Mass. Adjustable support for drills and the like. No. 1,279,153; Sept. 17; v. 254; p. 546.
Peterson, Arthur C., Peoria, Ill. Tooth. No. 1,285,360; Nov. 19; v. 256; p. 562.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin-handling apparatus. No. 1,257,946; Feb. 26; v. 244; p. 940.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Yarn-carrier support. No. 1,274,442; Aug. 6; v. 253; p. 29.
Peterson, Carl, Hume, Cal. Harrow. No. 1,274,586; Aug. 6; v. 253; p. 71.
Peterson, Carl E., Irvington, N. J. Razor-strop swivel. No. 1,274,587; Aug. 6; v. 253; p. 71.
Peterson, Charles G. (See Bunnell and Peterson.)
Peterson, Charlie, assignor of one-fourth to H. Bowman, Florence, and one-fourth to C. Ericson, Commonwealth, Wis. Airship. No. 1,270,200; June 18; v. 251; p. 641.

Peterson, Christen J., Chicago, Ill. Motion-picture machine. No. 1,258,704; Mar. 12; v. 248; p. 258.
Peterson, Christen J., Chicago, Ill. Motion-picture machine. No. 1,258,705; Mar. 12; v. 248; p. 259.
Peterson, Claus E., Worcester, asignor, by mesne assignments, to Iverson Piano Player Company, Boston, Mass. Pneumatic piano-player. No. 1,274,766; Aug. 6; v. 253; p. 121.
Peterson, Emil, Chicago, Ill. Insole for shoes. No. 1,286,086; Nov. 26; v. 256; p. 782.
Peterson, Eric B., assignor to George W. Dover, Incorporated, Providence, R. I. Die. No. 1,281,649; Oct. 15; v. 255; p. 478.
Peterson, Ernest E. (See De Vey and Peterson.)
Peterson, Frank W., Minneapolis, Minn. Nasal suction-pump. No. 1,261,608; Apr. 2; v. 249; p. 174.
Peterson, Franklin P., Tulsa, Okla., assignor to Consolidated Liquid Gas Company, Chicago, Ill. Gas process. No. 1,266,621; May 21; v. 250; p. 543.
Peterson, Fred S., assignor of one-half to W. S. Borba, Sebastopol, Cal. Automatic garage-door. No. 1,275,594; Aug. 13; v. 253; p. 374.
Peterson, Fredolf J., Alliance, Ohio. Adding-machine. No. 1,279,584; Sept. 24; v. 254; p. 688.
Peterson, George, Britannia Beach, British Columbia, Canada. Locking device for aerial-tramway buckets. No. 1,255,460; Feb. 5; v. 247; p. 100.
Peterson, George A., Oakland, Cal. Apparatus for transforming pressure. No. 1,253,718; Jan. 15; v. 246; p. 725.
Peterson, Gust A., assignor to Schumann Piano Company, Rockford, Ill. Tracking, transposing, and sustaining device. No. 1,275,300; Aug. 13; v. 253; p. 294.
Peterson, Henry E., Seattle, Wash. Box-press. No. 1,270,201; June 18; v. 251; p. 641.
Peterson, Henry O., Clear Lake, Minn. Fish-excluder. No. 1,265,508; May 7; v. 250; p. 174.
Peterson, Horace J., Montpelier, Idaho. Net-cutting attachment for submarines. No. 1,278,005; Sept. 3; v. 254; p. 184.
Peterson, Horace J., Montpelier, Idaho. Gun. No. 1,278,737; Sept. 10; v. 254; p. 405.
Peterson, James. (See Peterson, William L. and J.)
Peterson, Johann G., assignor to Manhattan Electrical Supply Company, Incorporated, Jersey City, N. J. Push-switch. No. 1,257,925; Feb. 26; v. 247; p. 934.
Peterson, Johann G., Jersey City, N. J. Electrical attachment-plug. No. 1,279,426; Sept. 17; v. 254; p. 620.
Peterson, Johann G., Hartford, Conn. Electrical attachment-plug. No. 1,279,427; Sept. 17; v. 254; p. 621.
Peterson, Jonathan. (See Warner, Ethel G., assignor.)
Peterson, Jonathan, Brooklyn, N. Y. Machine for incising plug-tobacco. No. 1,266,309; May 14; v. 250; p. 426.
Peterson, Jonathan, Brooklyn, N. Y. Apparatus for tagging or labeling plugs of tobacco. No. 1,274,934; Aug. 6; v. 253; p. 168.
Peterson, John, Felch, assignor of one-half to S. J. Peterson, Foster City, Mich. Pan-lifter. No. 1,273,785; July 23; v. 252; p. 926.
Peterson, John, Lake George, N. Y. Sprinkling apparatus. No. 1,281,202; Oct. 8; v. 255; p. 327.
Peterson, John F., New Decatur, Ala. Silo. No. 1,281,201; Oct. 8; v. 255; p. 326.
Peterson, John M., assignor to G. J. Sayer, Chicago, Ill. Valve mechanism. No. 1,278,006; Sept. 3; v. 254; p. 184.
Peterson, L. G. (See Blackburn, Cearnel M., assignor.)
Peterson, Luther, Payette, Idaho. Lunch-box heater. No. 1,266,853; May 21; v. 250; p. 607.
Peterson, Miles E., Pemeta, Okla. Focusing attachment for cameras. No. 1,251,690; Jan. 1; v. 246; p. 75.
Peterson, Olof E., assignor of one-half to C. W. Mulhall, Idaho Falls, Idaho. Resilient wheel. No. 1,288,164; Dec. 17; v. 257; p. 556.
Peterson, Per A., New York, N. Y. Flying-machine. No. 1,273,267; July 23; v. 252; p. 788.
Peterson, Peter H., assignor to Gold Medal Camp Furniture Manufacturing Company, Racine, Wis. Collapsible cot. No. 1,269,641; June 18; v. 251; p. 490.
Peterson, Philip E., Whitehall, Mich. Marking-gage. No. 1,276,261; Aug. 20; v. 253; p. 592.
Peterson, Richard C., Malden, Wash. Means for preventing double exposures. No. 1,289,256; Dec. 31; v. 257; p. 872.
Peterson, Svan J. (See Peterson, John, assignor.)
Peterson, Thorwald B., assignor to Thorwald Manufacturing Company, Omaha, Nebr. Electrical heater for carbureters. No. 1,280,290; Oct. 1; v. 255; p. 49.
Peterson, Walter L., Lyons, Nebr. Explosive projectile. No. 1,279,422; Sept. 17; v. 254; p. 620.
Peterson, William L. and J., Auburn, Nebr. Emergency tire-chain. No. 1,282,284; Oct. 22; v. 255; p. 690
Petigor, Morris H. (See Adams, Edward M., assignor.)
Petinot, Napoleon G., assignor to United States Alloys Corporation, New York, N. Y. Treating iron or steel. No. 1,252,023; Jan. 1; v. 246; p. 171.
Petinot, Napoleon G., assignor to United States Alloys Corporation, New York, N. Y. Manufacturing iron sulfid. No. 1,252,024; Jan. 1; v. 246; p. 172.
Petinot, Napoleon G., assignor to United States Alloys Corporation, New York, N. Y. Manufacture of shaped castings of ferrosilicid. No. 1,274,360; July 30; v. 252; p. 1124.
Petinot, Napoleon G., New York, N. Y., assignor to United States Alloy Corporation. Article of manufacture, being an alloy of iron, titanium, and silicon, and process for the production thereof. No. 1,260,037; Mar. 19; v. 248; p. 674.
Petit, Albert G., Detroit, Mich. Strainer. No. 1,277,474; Sept. 3; v. 254; p. 39.
Petit, Joseph, New York, N. Y. Hydroplane. No. 1,274,767; Aug. 6; v. 253; p. 122.
Petito, Andrea, Trenton, N. J. Muffler for internal-combustion engines. No. 1,271,758; July 9; v. 252; p. 314.
Petito, Andrea, Trenton, N. J. Shock-absorber. No. 1,274,321; July 30; v. 252; p. 1114.
Petix, Angelo, New York, N. Y. Gas-cock and the like. No. 1,253,093; Jan. 8; v. 246; p. 514.
Petraschke, Otto J., and R. H. Zwickey, Verona, Wis. Spring-lock automobile-rim. No. 1,287,420; Dec. 10; v. 257; p. 340.
Petree, Cuthbert G. (See Thomas and Petree.)
Petrella, Manfred, Buffalo, N. Y. Hair-cutting machine. No. 1,255,461; Feb. 5; v. 247; p. 100.
Petrello, Joseph, Philadelphia, Pa. Pulley. No. 1,267,333; May 21; v. 250; p. 739.
Petres, Paul, Astoria, N. Y. Dirigible propeller mounting. No. 1,271,213; July 2; v. 252; p. 131.
Petri-Palmedo, David, Bridgeport, Conn., assignor to Electric Compositor Company, New York, N. Y. Casting-control mechanism for typographic machines. No. 1,280,077; Sept. 24; v. 254; p. 828.
Petrie, Edward G., Irvington, N. J. Signaling device. No. 1,278,738; Sept. 10; v. 254; p. 405.
Petrie, Fitt C., trustee. (See Rose and Pickford, assignors.)
Petrie Process Company. (See Petrie, Walter, assignor.)
Petrie, Walter, Endicott, assignor to Petrie Process Company, New York, N. Y. Tanning. No. 1,273,662; July 23; v. 252; p. 896.
Petro, Elmer P., Sylvan Lake, Alberta, Canada. Needle-threading device. No. 1,278,995; Sept. 17; v. 254; p. 506.
Petro, John, Waterbury, Conn. Window-screen. No. 1,274,768; Aug. 6; v. 253; p. 122.
Petroleum Patents Company. (See Dunn, Irwin L., assignor.)
Petron, William B., Niagara, N. D. Grass-destroyer. No. 1,256,725; Feb. 19; v. 247; p. 547.
Petrullo, Anna M., Brooklyn, N. Y. Garter. No. 1,255,630; Feb. 5; v. 247; p. 149.
Petry, Frederick, assignor of one-half to L. S. Harrison, Brooklyn, N. Y. Shade-holding adapter for incandescent electric lamps. No. 1,264,124; Apr. 23; v. 249; p. 954.
Petry, Jacob, Pittsburgh, Pa. Pattern for dental plates. No. 1,274,322; July 30; v. 252; p. 1114.
Petry, Nicholas A., Philadelphia, Pa. Pedal. No. 1,255,220; Feb. 5; v. 247; p. 30.
Petschel, Oswald, New York, N. Y. Bottle-cap remover. No. 1,262,387; Apr. 9; v. 249; p. 424.
Petsonis, Nick C., Chehalis, Wash. Non-refillable bottle. No. 1,265,372; May 7; v. 250; p. 138.
Petter, Ernest W., London, England. Means for controlling the supply of liquid fuel to internal-combustion engines. No. 1,252,166; Jan. 1; v. 246; p. 212.
Petterman, Albert J., Chicago, Ill. Trousers-stretcher. No. 1,271,759; July 9; v. 252; p. 314.
Petterson, Bertill C. (See Petterson, Simon G. and B. C.)
Petterson, Ernst, Astoria, N. Y. Range-finder. No. 1,289,534; Dec. 31; v. 257; p. 942.
Petterson, Simon G. and B. C., Memphis, Tenn. Wagon. No. 1,273,405; July 23; v. 252; p. 826.
Pettibone, James E., St. Louis, Mo. Emergency electric-lamp socket. No. 1,285,361; Nov. 19; v. 256; p. 562.
Pettibone, Mulliken Company. (See Strom, Eugene N., assignor.)
Petticrew, Gibson T., Deer Lodge, Mont. Lock for freight-car doors. No. 1,267,900; May 28; v. 250; p. 927.
Petticrew, William R., Pittsburgh, Pa. Toy vehicle. No. 1,289,894; Dec. 31; v. 257; p. 1030.
Pettie, Charles A., Brooklyn, N. Y. Non-skidding traction-wheel. No. 1,251,819; Jan. 1; v. 246; p. 115.
Pettigrew, Garfield, Elwood, Ind. Airship. No. 1,279,755; Sept. 24; v. 254; p. 737.
Pettis, John H., Jamestown, N. Y. Portable folding scaffold. No. 1,268,607; June 4; v. 251; p. 153.
Pettit, Andrew J., Fowler, Colo., assignor of one-half to L. C. Vendoozer, Winfield, Kans. Heater and vaporizer for engines. No. 1,262,245; Apr. 9; v. 249; p. 383.
Pettit, Charles A., St. Louis, Mo. Tractor for plows and the like. No. 1,252,167; Jan. 1; v. 246; p. 212.
Pettit, Ernest H., assignor of one-half to J. T. Williamson, Niagara Falls, N. Y. Device for raising sunken vessels. No. 1,256,365; Feb. 12; v. 247; p. 407.
Pettitt, Frank R., Spokane, Wash. Internal-combustion engine. No. 1,276,262; Aug. 20; v. 253; p. 593.
Petty, Calhoun, assignor of one-half to W. A. Shamberger, Frierson, La. Splice-bar. No. 1,272,310; July 9; v. 252; p. 471.
Petty, John P. (See Aylard and Petty.)

Petty, John P., Crowthorne, and W. C. Aylard, Reading, England. Knocking up sheets and the like, particularly paper sheets. No. 1,280,830; Oct. 8; v. 255; p. 225.
Petty, William E., Pipestone, Minn. Fly-trap for screen-doors. No. 1,271,214; July 2; v. 252; p. 131.
Petus, Andrew, and S. Mizerak, Newark, N. J. Sick-room table. No. 1,286,087; Nov. 26; v. 256; p. 782.
Petz, William, Firth, Nebr. Vaporizer. No. 1,275,465; Aug. 13; v. 253; p. 340.
Petzold, Harold M., Portland, Oreg. Adjustable seat for agricultural implements. No. 1,288,165; Dec. 17; v. 257; p. 557.
Peuch, Emile, Bourges, and A. Arbey, Beure, France. Drilling, screw-cutting, and other similar machine. No. 1,254,933; Jan. 29; v. 246; p. 1126.
Pewther Gun Co., The. (See Pewther, Judson C., assignor.)
Pewther, Judson C., Port Bliss, Tex. Toy projectile. No. 1,261,957; Apr. 9; v. 249; p. 304.
Pewther, Judson C., Washington, D. C., assignor to The Pewther Gun Co., Denver, Colo. Feeding and timing mechanism for centrifugal guns. No. 1,289,895; Dec. 31; v. 257; p. 1030.
Peycke, Armand H., assignor to American Steel Foundries, Chicago, Ill. Adjustable brake-head means. No. 1,278,996; Sept. 17; v. 254; p. 506.
Peycke, Armand H., assignor to American Steel Foundries, Chicago, Ill. Making forged fulcrums. No. 1,283,887; Nov. 5; v. 256; p. 119.
Peyman, August. (See Wybaillie, Francis M. A., assignor.)
Peyré, Jules, San Francisco, Cal. Vehicle direction-indicator. No. 1,288,669; Dec. 24; v. 257; p. 706.
Pezdir, Frank, North Chicago, Ill. Automatic spring for doors and gates. No. 1,258,451; Mar. 5; v. 248; p. 147.
Pezzetti, Henry, Philadelphia, Pa. Ambulance. No. 1,275,733; Aug. 13; v. 253; p. 415.
Pezzetti, Henry, Philadelphia, Pa. Stretcher. No. 1,275,734; Aug. 13; v. 253; p. 415.
Pfahler, Soame E., Hopewell, Va. Pencil-holder. No. 1,256,367; Feb. 12; v. 247; p. 408.
Pfahler, William Q., Toledo, Ohio. Worm-drive. No. 1,273,533; July 23; v. 252; p. 860.
Pfannenmuller, Charles, New York, N. Y. Retaining-clip for brassières and the like. No. 1,276,806; Aug. 27; v. 253; p. 780.
Pfanschmidt, Charles, assignor to Theo. A. Kochs Company, Chicago, Ill. Folding chair. No. 1,286,670; Dec. 24; v. 257; p. 706.
Pfanschmidt, Charles, assignor to Theo. A. Kochs Company, Chicago, Ill. Barber's chair. No. 1,288,671; Dec. 24; v. 257; p. 706.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Support for light cutting-wheels. No. 1,266,310; May 14; v. 250; p. 426.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Electric furnace. No. 1,271,760; July 9; v. 252; p. 314.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. X-ray target. No. 1,279,423; Sept. 17; v. 254; p. 620.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Gas-drier. No. 1,281,064; Oct. 8; v. 255; p. 287.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, North Chicago, Ill. Laboratory-furnace. No. 1,283,285; Oct. 29; v. 255; p. 990.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Reducing metallic oxids. No. 1,283,286; Oct. 29; v. 255; p. 990.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Puppet-valve. No. 1,283,287; Oct. 29; v. 255; p. 990.
Pfanstiehl, Carl A., Highland Park, assignor to Pfanstiehl Company, Chicago, Ill. Producing hollow objects of compressed metallic powder. No. 1,286,089; Nov. 26; v. 256; p. 783.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Apparatus for welding tungsten ingots. No. 1,260,940; Mar. 26; v. 248; p. 964.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Tungsten-reducing furnace. No. 1,263,598; Apr. 23; v. 249; p. 812.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Welding tungsten ingots. No. 1,267,801; May 28; v. 250; p. 898.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Electric furnace. No. 1,273,920; July 30; v. 252; p. 1003.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Producing finely-divided tungsten trioxid. No. 1,277,475; Sept. 3; v. 254; p. 39.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, North Chicago, Ill. Production of ductile tungsten. No. 1,282,122; Oct. 22; v. 255; p. 647.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, North Chicago, Ill. Hydrogen purifying, cleaning, and circulating system. No. 1,286,088; Nov. 26; v. 256; p. 783.
Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, Inc., North Chicago, Ill. Tungsten-reducing furnace. No. 1,289,896; Dec. 31; v. 257; p. 1030.
Pfanstiehl Company. (See Balke, Clarence W., assignor.)
Pfanstiehl Company. (See Dady, Arthur O., assignor.)
Pfanstiehl Company. (See Pfanstiehl, Carl A., assignor.)
Pfanstiehl Company. (See Wright, Ward E., assignor.)
Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic-power installation. No. 1,283,288; Oct. 29; v. 255; p. 990.
Pfau, Leo D., Freeport, Minn. Power-transmitting apparatus. No. 1,264,125; Apr. 23; v. 249; p. 954.
Pfefferkorn, Christian, Sandusky, Ohio. Awning. No. 1,279,585; Sept. 24; v. 254; p. 688.
Pfefferkorn, William L., and A. P. Schloerb, assignors of one-third to A. H. Hammetter, Milwaukee, Wis. Extension-table. No. 1,253,719; Jan. 15; v. 246; p. 726.
Pfeifer, Bernard R., Jessie, N. D. Scraper for grain-drills. No. 1,264,970; May 7; v. 250; p. 27.
Pfeifer, Ferdinand A., Springfield, Ohio. Vegetable-cutter. No. 1,262,090; Apr. 9; v. 249; p. 339.
Pfeifer, Leo L., Columbus, Ohio. Lamp. No. 1,272,517; July 16; v. 252; p. 554.
Pfeifer, William G., Brooklyn, N. Y. Resilient ground-wheel. No. 1,288,166; Dec. 17; v. 257; p. 557.
Pfeiffer, Frederick, Sr., Newark, N. J. Insect-destroyer. No. 1,286,763; Dec. 3; v. 257; p. 138.
Pfeiffer, George, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Dobby. No. 1,261,435; Apr. 2; v. 249; p. 126.
Pfeiffer, George, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Center stop-motion. No. 1,270,865; July 2; v. 252; p. 32.
Pfeiffer, George, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spring-stand for looms. No. 1,281,065; Oct. 8; v. 255; p. 288.
Pfeiffer, Otto G., Salt Lake City, Utah, assignor, by mesne assignments, to St. Louis Washing Machine Company. Washing-machine. No. 1,268,784; June 4; v. 251; p. 202.
Pfeil, Anthony P., East Orange, assignor to E. F. W. Wieda, Paterson, N. J. Bread-baking shell. No. 1,263,103; Apr. 16; v. 249; p. 656.
Pfeil, Frederick C., Buffalo, N. Y. Signaling device for automobiles and other vehicles. No. 1,274,769; Aug. 6; v. 253; p. 122.
Pfennighausen, Gothard E., Wethersfield, and G. Okerfelt, Hartford, Conn. Article made from reed, ratan, or similar materials. No. 1,283,289; Oct. 29; v. 255; p. 991.
Pfenninger, Rudolf, Milwaukee, Wis. Cuspidor. No. 1,283,290; Oct. 29; v. 255; p. 991.
Pfirman, Valentine D., assignor to The Griswold Manufacturing Company, Erie, Pa. Percolator. No. 1,257,110; Feb. 19; v. 247; p. 660.
Pflager, Harry M., assignor to Cast Steel Locomotive Ash Pan Company, St. Louis, Mo. Locomotive ash-pan. No. 1,267,334; May 21; v. 250; p. 740.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,276,687; Aug. 20; v. 253; p. 710.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,276,688; Aug. 20; v. 253; p. 710.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,277,114; Aug. 27; v. 253; p. 862.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,277,115; Aug. 27; v. 253; p. 862.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,278,007; Sept. 3; v. 254; p. 185.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,278,008; Sept. 3; v. 254; p. 185.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,278,739; Sept. 10; v. 254; p. 406.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car construction. No. 1,278,740; Sept. 10; v. 254; p. 406.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car construction. No. 1,279,424; Sept. 17; v. 254; p. 620.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car construction. No. 1,279,425; Sept. 17; v. 254; p. 620.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck brake-support. No. 1,280,080; Sept. 24; v. 254; p. 829.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car construction. No. 1,280,081; Sept. 24; v. 254; p. 830.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car construction. No. 1,283,553; Nov. 5; v. 256; p. 30.
Pfleumer, Fritz, Dresden, Germany. Vehicle-wheel. No. 1,258,042; Mar. 5; v. 248; p. 28.

Pfohl, Anthony J., Lockland, Ohio, assignor to Philip Carey Manufacturing Company. Splicing-machine. No. 1,261,055; Apr. 2; v. 249; p. 19.
Pfohl, Anthony J., Lockland, Ohio, assignor to Philip Carey Manufacturing Company. Reserve feed and splicing apparatus. No. 1,261,056; Apr. 2; v. 249; p. 19.
Pfoser, Adolf, Achern, and O. Strack, Saarbrücken, assignors of one-third to Gebrüder Stumm, G. m. b. H., Neunkirchen Saar, Germany. Operation of Checker-brick heaters. No. 1,257,524; Feb. 26; v. 247; p. 817.
Pfuhl, William, New York, N. Y., assignor to U. S. Wall Pocket Manufacturing Company, Inc. Fan. No. 1,260,797; Mar. 26; v. 248; p. 926.
Phalen, Albert E., Sandusky, Wis. Automobile pulling attachment. No. 1,253,524; Jan. 15; v. 246; p. 669.
Pharo, Gordon C., Marysville, Cal., assignor to The Pharo Manufacturing Company, Bridgeport, Conn. Combined speed-governor and lubricator. No. 1,265,813; May 14; v. 250; p. 287.
Pharo Manufacturing Company, The. (See Pharo, Gordon C., assignor.)
Phelan, Elizabeth E. (See Wiswell, Frederick A., assignor.)
Phelan, John C., and H. B. MacAlpine, Cleveland, Ohio. Moistening attachment for type-writer ribbons. No. 1,251,691; Jan. 1; v. 246; p. 75.
Phelan, John C., East Cleveland, and H. B. MacAlpine, Lakewood, assignors to The Ribbon Life Company, Cleveland, Ohio. Moistening attachment for type-writer ribbons. No. 1,276,263; Aug. 20; v. 253; p. 593.
Phelan, Louis A. M., Chicago, Ill. Automatic electric switch. No. 1,282,123; Oct. 22; v. 255; p. 648.
Phelan, Richard A. (See Weguelin and Phelan.)
Phelan, Thomas N., Madison, Wis. Work guide and support for drill-presses. No. 1,267,447; May 28; v. 250; p. 799.
Phelon, Arthur E. (See Smith and Phelon.)
Phelps, Albert W., Fresno, Cal. Fruit and melon grader. No. 1,259,905; Mar. 19; v. 248; p. 634.
Phelps, Albert W., Fresno, Cal. Ventilator. No. 1,265,509; May 7; v. 250; p. 174.
Phelps, Algernon S., Chicago, and J. H. Birch, Geneva, assignors to Phelps Manufacturing Company, Chicago, Ill. Reserve-feed acetylene-generator. No. 1,257,635; Feb. 26; v. 247; p. 850.
Phelps, Byron, Seattle, Wash. Deflector for air-currents. No. 1,280,291; Oct. 1; v. 255; p. 50.
Phelps, Charles, Oskaloosa, Iowa. Sectional furnace. No. 1,278,379; Sept. 10; v. 254; p. 309.
Phelps, Dexter E., Wooster, Ohio, assignor to American Chain Company, Incorporated, Bridgeport, Conn. Lazy-chain. No. 1,254,351; Jan. 22; v. 246; p. 925.
Phelps, Edwin S., Elizabeth, N. J. Tumbler-lock. No. 1,263,104; Apr. 16; v. 249; p. 656.
Phelps, Eugene, Pitchfork, Wyo. Can-opener. No. 1,261,284; Apr. 2; v. 249; p. 82.
Phelps, Henry E., B. T. Kirk, and J. Comstock, Rifle, Colo. Spring-motor. No. 1,286,090; Nov. 26; v. 256; p. 783.
Phelps, Henry W. B., Mattoon, Ill. Convertible brush. No. 1,278,074; Sept. 3; v. 254; p. 202.
Phelps, Isaac E., Wahoo, Nebr. House-jack. No. 1,279,901; Sept. 24; v. 254; p. 781.
Phelps, James A., Cleveland, assignor to Borden Company, Warren, Ohio. Die-stock. (Reissue.) No. 14,470; May 7; v. 250; p. 233.
Phelps, Louis B., Carthage, N. Y. Automobile-signal. No. 1,278,741; Sept. 10; v. 254; p. 406.
Phelps Manufacturing Company. (See Phelps and Birch, assignors.)
Phelps, Paul, Milwaukee, assignor to International Canning Machinery Co., Owen, Wis. Measuring apparatus. No. 1,252,613; Jan. 8; v. 246; p. 373.
Phelps, R. W. (See Huebotter, Harry A., assignor.)
Phelps, Spencer H., assignor to Blount Plow Works, Evansville, Ind. Straddle-row wheeled cultivator. No. 1,265,510; May 7; v. 250; p. 175.
Phelps, William S., Portland, Oreg. Arch-support. No. 1,272,994; July 16; v. 252; p. 690.
Phenicie, Charles E., Tacoma, Wash. Ice-cream cutter. No. 1,277,116; Aug. 27; v. 253; p. 862.
Phenix Truck Makers. (See King, Harry O., assignor.)
Phenix Truck Makers Inc. (See King, Harry O., assignor.)
Philadelphia Storage Battery Company. (See Everett, Edward E., assignor.)
Philadelphia Storage Battery Company. (See Skinner, James M., assignor.)
Philadelphia Textile Machinery Company, The. (See Ayres, Elwood B., assignor.)
Philadelphia Textile Machinery Company. (See Kerst and Bogaty, assignors.
Philbin, Matthew J., Olyphant, Pa. Note-record. No 1,277,640; Sept. 3; v. 254; p. 86.
Philbin, Matthew J., Olyphant, Pa. Note-record-card set. (Reissue.) No. 14,518; Sept. 3; v. 254; p. 206.
Philbin, William J., Scranton, Pa. Liquid-soap-dispensing device. No. 1,285,362; Nov. 19; v. 256; p. 563.
Philip, Alexander J., Gravesend, England. Shelving. No. 1,265,373; May 7; v. 250; p. 138.
Philip, Arnold, Portsmouth, England. Treating oils. No. 1,286,091; Nov. 26; v. 256; p. 783.
Philip Carey Manufacturing Company, The. (See Bigler, Oscar A., assignor.)
Philip Carey Manufacturing Company, The. (See Innes, Harry C., assignor.)
Philip Carey Manufacturing Company, The. (See Moeller, William J., assignor.)
Philip Carey Manufacturing Company. (See Pfohl, Anthony J., assignor.)
Philip, William K., Fredericktown, Pa. Toe-calk-sharpening block. No. 1,289,535; Dec. 31; v. 257; p. 942.
Philipp, Curt, and H. Schmidt, assignors to Chemische Fabrik von Heyden Aktiengesellschaft, Radebeul, near Dresden, Germany. Manufacture of aromatic stibinic acid. No. 1,260,707; Mar. 26; v. 248; p. 901.
Philippi, Erich, Berlin, Germany, assignor to General Electric Company. Electric switching device. No. 1,281,826; Oct. 15; v. 255; p. 526.
Philipsberg, Ignatz. (See Philipsberg, Paul, assignor.)
Philipsberg, Paul, Liberty, assignor of one-half to I. Philipsberg, New York, N. Y. Seal-tag. No. 1,262,249; Apr. 9; v. 249; p. 384.
Philips-Brinton Company. (See Brinton, William C., Jr., assignor.)
Phillippi, Frank A., assignor to A. R. May and D. L. Evans, trustees, Pottstown, Pa. Cooler. No. 1,286,764; Dec. 3; v. 257; p. 138.
Phillipps, Albert H., *et al.* (See Melson, John T., assignor.)
Phillips, Abraham S., New York, N. Y. Paster. No. 1,257,111; Feb. 19; v. 247; p. 660.
Phillips, Allen A., Fresno, Cal. Match-dispensing box. No. 1,254,845; Jan. 29; v. 246; p. 1100.
Phillips, Alvin W. (See Myers, Daniel M., assignor.)
Phillips, Benjamin F., Cairo, W. Va. Rail-brace. No. 1,266,985; May 21; v. 250; p. 644.
Phillips, Cecil O., New York, N. Y. Treatment of cotton-seed meats. No. 1,278,073; Sept. 3; v. 254; p. 202.
Phillips, Cecil O., New York, N. Y. Treatment of cotton-seed meats. No. 1,278,075; Sept. 3; v. 254; p. 203.
Phillips, Cecil O., New York, N. Y. Treatment of cotton-seed meats. No. 1,278,076; Sept. 3; v. 254; p. 203.
Phillips, Charles L., San Francisco, Cal. Grease-gun. No. 1,255,786; Feb. 3; v. 247; p. 194.
Phillips, Charles M., St. Louis, Mich. Planter. No. 1,282,124; Oct. 22; v. 255; p. 648.
Phillips, Clarence H., assignor to The Simplex Metal Products Company, Norwalk, Ohio. Cue-chalking device. No. 1,260,572; Mar. 26; v. 248; p. 861.
Phillips & Clark Stove Co. (See Phillips, Lewis S., assignor.)
Phillips, Dixon L. (See Brisco, Hylton A., assignor.)
Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Means for supporting sliding doors. No. 1,259,042; Mar. 12; v. 248; p. 357.
Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Trolley-track. No. 1,267,802; May 28; v. 250; p. 898.
Phillips, Eva, Missoula, Mont. Kitchen-cabinet. No. 1,261,162; Apr. 2; v. 249; p. 48.
Phillips, Francis V., Orlando, Fla. Fluid shock-absorber. No. 1,255,787; Feb. 5; v. 247; p. 194.
Phillips, Francis V., Orlando, Fla. Frictional shock-absorber. No. 1,255,788; Feb. 5; v. 247; p. 195.
Phillips, Frederick. (See Banwell and Phillips.)
Phillips, George B., Lima, Ohio. Riveted seam. No. 1,257,388; Feb. 26; v. 247; p. 776.
Phillips, George F. (See Barnes and Phillips.)
Phillips, Herbert L. (See Phillips, Preston D., assignor.)
Phillips, James E., Cleveland, Ohio. Calendar. No. 1,288,167; Dec. 17; v. 257; p. 557.
Phillips, James J., Rochester, N. Y. Mounting for tone-arms of talking-machines. No. 1,288,168; Dec. 17; v. 257; p. 557.
Phillips, John H., Jr., Jackson, Mich. Phonograph. No. 1,253,276; Jan. 15; v. 246; p. 595.
Phillips, John N. (See Johnson, Goolsby, and Phillips.)
Phillips, John W., assignor to A. R. Smart, Chicago, Ill. Treatment of sewage-sludge. No. 1,284,441; Nov. 12; v. 256; p. 292.
Phillips, John W., assignor to A. R. Smart, Chicago, Ill. Treatment of sewage-sludge and fertilizer produced thereby. No. 1,284,442; Nov. 12; v. 256; p. 292.
Phillips, Julia C., New York, N. Y. Wardrobe attachment. No. 1,289,897; Dec. 31; v. 257; p. 1030.
Phillips, Leo A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Engine starting and lighting system. No. 1,281,827; Oct. 15; v. 255; p. 527.
Phillips, Lewis S., assignor, by mesne assignments, to Phillips & Clark Stove Co. Inc., Geneva, N. Y. Stove. No. 1,288,981; Dec. 24; v. 257; p. 780.
Phillips Mine and Mill Supply Co. (See Osbourne, Richard B., assignor.)
Phillips, Nellie J. (See Hanson, Oscar J., assignor.)
Phillips, Preston D., Bullard, Tex., assignor of one-half to H. L. Phillips, Washington, D. C. Peanut-harvester. No. 1,270,202; June 18; v. 251; p. 641.
Phillips, Preston S. (See Sowers and Phillips.)
Phillips, Robert A., Taylorville, Ill. Cord-holder. No. 1,252,300; Jan. 1; v. 246; p. 248.

Phillips, Robert W. L., county of Bedford, England. Means for transmitting and receiving angular or rotary motions. No. 1,289,898; Dec. 31; v. 257; p. 1030.
Phillips, Ross M. G., assignor to The Sentinel Mfg. Co., New Haven, Conn. Gas-Furnace. (Reissue.) No. 14,557; Nov. 26; v. 256; p. 810.
Phillips, Thomas W. S., New York, N. Y. Toilet-powder box. No. 1,264,555; Apr. 30; v. 249; p. 1110.
Phillips, Wiley G., Littleton, Colo. Chalk-line holder. No. 1,275,735; Aug. 13; v. 253; p. 415.
Phillips, William F., *et al.* (See Collins, James F., assignor.)
Phillips, William G., Jr., and W. F. McKenna, Brooklyn, N. Y. Coffee product and process of making the same. No. 1,271,761; July 9; v. 252; p. 315.
Phillips, William J., Brooklyn, N. Y. Telephone-bell-box support. No. 1,288,169; Dec. 17; v. 257; p. 558.
Phillips, Willis E., Collbran, Colo. Bridle-bit. No. 1,281,203; Oct. 8; v. 255; p. 327.
Phinney, Albert, assignor to C. McCall, Detroit, Mich. Fuel-supply-intake connection. No. 1,288,982; Dec. 24; v. 257; p. 780.
Phinney, Delbert E., Bartlesville, Okla. Spark-plug. No. 1,258,806; Mar. 12; v. 248; p. 288.
Phinney, Edgar E., assignor to Monroe Calculating Machine Company, New York, N. Y. Calculating-machine. No. 1,253,879; Jan. 15; v. 246; p. 771.
Phinney, Edgar E., assignor to Monroe Calculating Machine Company, New York, N. Y. Carrying mechanism for calculating-machines. No. 1,272,083; July 9; v. 252; p. 407.
Phinney Engineering Company, The. (See Kinningsworth, Wilber, assignor.)
Phinney, Willis E., Coldwater, Mich. Fish-bait. No. 1,266,311; May 14; v. 250; p. 427.
Phinous, James M., Pamplin, assignor of one-half to G. E. Shorter, Darlington Heights, Va. Rail-joint, fish-plate, and brace therefor. No. 1,261,285; Apr. 2; v. 249; p. 83.
Phinous, James M., Pamplin, assignor of one-half to J. Johnson, Prospect, Va. Switch. No. 1,264,852; Apr. 30; v. 249; p. 1189.
Phipps, Frank L., *et al.* (See Baumgardner, Frank J., assignor.)
Phoenix Glass Company, The. (See Pickhardt, Harry, assignor.)
Phoenix Glass Company. (See Stewart, Frederick W., assignor.)
Phoenix Knitting Works. (See Girling and Schwab, assignors.)
Phoenix Knitting Works. (See Ruedt, Julius C., assignor.)
Phone Call Recorder Company. (See Richey, Charles V., assignor.)
Phyfe, James C., Peekskill, N. Y. Gas-engine silencer. No. 1,264,853; Apr. 30; v. 249; p. 1190.
Phyar Extinguisher Co. (See Zottel, Herman J., assignor.)
Pianko, Mendel, Chicago, Ill. Curtain-window. No. 1,253,525; Jan. 15; v. 246; p. 669.
Pianta, Hannibal. (See Dalwigk, Hermann, assignor.)
Piasecky, Walter, Cambridge, Mass. Ship-protector. No. 1,257,525; Feb. 26; v. 247; p. 817.
Piatt, Charles E., Berkeley, Cal., assignor to Brown, Hanson & Boettcher, Chicago, Ill. Cane-stripping machine. No. 1,265,244; May 7; v. 250; p. 102.
Piatt, Joseph W., assignor to L. H. Piatt, New York, N. Y. Gas-burner. No. 1,267,448; May 28; v. 250; p. 799.
Piatt, Joseph W., assignor to L. H. Piatt, New York, N. Y. Gas-mixing chamber for burners. No. 1,275,466; Aug. 13; v. 253; p. 340.
Piatt, L. H. (See Piatt, Joseph W., assignor.)
Picard, Frank, Fall River, Mass. Liquid coating composition. No. 1,281,650; Oct. 15; v. 255; p. 479.
Picard, Frank, and A. P. Dumas, Fall River, Mass. Treating fibrous material. No. 1,282,717; Oct. 22; v. 255; p. 809.
Picard, Hugh F. K. (See Sulman and Picard.)
Pickard, William, Laporte, Ind. Bobbin. No. 1,271,074; July 2; v. 252; p. 90.
Pichel Company. (See Steinman, Benjamin, assignor.)
Pichler, Josef. (See Reichert and Pichler.)
Pichler, Louis, Fort Wayne, Ind. Safety device for mine-cages. No. 1,278,742; Sept. 10; v. 254; p. 406.
Pick, Louis M., New York, N. Y. Safety-harness for children. No. 1,288,170; Dec. 17; v. 257; p. 558.
Pick, William, Scranton, Pa. Circuit-controlling telephone-receiver support. No. 1,287,421; Dec. 10; v. 257; p. 340.
Pickard, Ella M., Oklahoma, Okla. Hair-curler. No. 1,253,880; Jan. 15; v. 246; p. 771.
Pickard, Greenleaf W., Amesbury, Mass., assignor to Wireless Specialty Apparatus Company, New York, N. Y. Constant-pressure solid rectifier. No. 1,257,526; Feb. 26; v. 247; p. 818.
Pickering, Edward, Oakland, Cal. Recorder. No. 1,282,125; Oct. 22; v. 255; p. 648.
Pickering, Edwin G., near Dayton, Ohio. Identifying-card. No. 1,262,696; Apr. 16; v. 249; p. 539.
Pickering, John H., Aylmer, Ontario, Canada. Truss. No. 1,255,221; Feb. 5; v. 247; p. 30.
Pickett, Bradley E., Yankton, S. D. Neck-pad. No. 1,272,084; July 9; v. 252; p. 408.
Pickett, Frederick A. (See Pickett, Hurdie B. and F. A.)
Pickett, Hurdie B. and F. A., Baltimore, Md. Fertilizer chemical and composite distributer. No. 1,275,736; Aug. 13; v. 253; p. 415.
Picketts, James, San Diego, Cal. Resilient wheel. No. 1,271,358; July 2; v. 252; p. 170.
Pickhardt, Harry, New York, N. Y., assignor to The Phoenix Glass Company, Pittsburgh, Pa. Lighting-fixture. No. 1,253,881; Jan. 15; v. 246; p. 771.
Pickin, Rowland O., Chicago, Ill. Drill. No. 1,254,267; Jan. 22; v. 246; p. 900.
Pickin, Rowland O., Chicago, Ill. Core-drill. No. 1,254,268; Jan. 22; v. 246; p. 901.
Pickl, Emma. (See Pickl, Paul, assignor.)
Pickl, Paul, assignor to E. Pickl, Chicago, Ill. Method of making a hard rubber substitute and the product thereof. No. 1,265,108; May 7; v. 250; p. 67.
Pickl, Paul, assignor to E. Pickl, Chicago, Ill. Producing hydrogen peroxid. No. 1,271,611; July 9; v. 252; p. 273.
Pickles Brothers. (See Smith, Eber, assignor.)
Pickles, Joe, Winnipeg, Manitoba, Canada. Protector for children. No. 1,264,971; May 7; v. 250; p. 27.
Pickman, F. J., *et al.* (See Lord, Alfred B., assignor.)
Pickop, George B. (See Voight and Pickop.)
Pickop, George B., *et al.* (See Hayes, Edward, assignor.)
Pickop, George B., New Haven, assignor to The Malleable Iron Fittings Company, Branford, Conn. Making vibrator-bodies. No. 1,268,487; June 4; v. 251; p. 119.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Gas-burner. No. 1,260,442; Mar. 26; v. 248; p. 821.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Gas hot-plate. No. 1,275,301; Aug. 13; v. 253; p. 295.
Pidgeon, Charles M., Washington, D. C. Parallel-ruler. No. 1,276,955; Aug. 27; v. 253; p. 818.
Piel, Gottfried. (See Denison, Julian, assignor.)
Pieper, Alphonse F. (See Pieper, Oscar H. and A. F.)
Pieper, Oscar H. and A. F., Rochester, N. Y. Hot-air syringe. No. 1,252,614; Jan. 8; v. 246; p. 374.
Pieper, Oscar H. and A. F., Rochester, N. Y. Fuse-holder. No. 1,265,245; May 7; v. 250; p. 103.
Pieper, Oscar H. and A. F., Rochester, N. Y. Pulley-guard. No. 1,271,612; July 9; v. 252; p. 273.
Pieper, Oscar H. and A. F., Rochester, N. Y. Lubricating-bearing. No. 1,272,518; July 16; v. 252; p. 554.
Pieper, Oscar H. and A. F., Rochester, N. Y. Supporting-bracket for electrical instruments. No. 1,278,997; Sept. 17; v. 254; p. 506.
Pieratt, David W., Gate, Okla. Twine-holder. No. 1,257,112; Feb. 19; v. 247; p. 660.
Pierce-Arrow Motor Car Company, The. (See Kissling, Frank R., assignor.)
Pierce-Arrow Motor Car Company, The. (See Sheppy, Charles L., assignor.)
Pierce, Burt N., Flint, Mich. Carbureter. No. 1,264,126; Apr. 23; v. 249; p. 955.
Pierce, Charles H., A. E. Overstreet, and R. L. McCune, Savannah, Ga. Oar-lock. No. 1,275,737; Aug. 13; v. 253; p. 416.
Pierce, Edward, West Burlington, Iowa. Locomotive-stoker. No. 1,277,641; Sept. 3; v. 254; p. 86.
Pierce, Ernest C., assignor of one-third to L. A. Bellows, Sioux City, Iowa. Hose-supporter. No. 1,284,201; Nov. 5; v. 256; p. 201.
Pierce, Frank L. (See Madden and Pierce.)
Pierce, Frank M., assignor to Pierce Wrapping Machine Company, Chicago, Ill. Tire-wrapping machine. No. 1,263,923; Apr. 23; v. 249; p. 902.
Pierce, Frank M., assignor to Pierce Wrapping Machine Company, Chicago, Ill. Double-wrapper-wrapping machine. No. 1,263,924; Apr. 23; v. 249; p. 902.
Pierce, George L., Brooklyn, N. Y., assignor to A. G. Spalding & Bros., Jersey City, N. J. Caddy-bag. No. 1,279,428; Sept. 17; v. 254; p. 621.
Pierce, George L., Brooklyn, N. Y., assignor to A. G. Spalding & Bros., Jersey City, N. J. Foot-ball. No. 1,287,422; Dec. 10; v. 257; p. 340.
Pierce, George L., and K. Djerf, Brooklyn, N. Y., assignors to A. G. Spalding & Bros., Jersey City, N. J. Last for forming leggings. No. 1,275,086; Aug. 6; v. 253; p. 211.
Pierce, George P. (See Hames, Harry C., assignor.)
Pierce, Gilman H., Leominster, Mass. Toy terminal. No. 1,278,203; Sept. 10; v. 254; p. 262.
Pierce, Guy C., New York, N. Y., assignor, by mesne assignments, to Automatic Straight Air Brake Company, Wilmington, Del. Supporting diaphragms. No. 1,273,534; July 23; v. 252; p. 860.
Pierce, Harold S., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Sprocket-wheel. No. 1,256,590; Feb. 19; v. 247; p. 508.
Pierce, Harvey R. (See Pilling and Pierce.)
Pierce, Harvey R., Philadelphia, and C. J. Pilling, Lansdowne, Pa. Spraying device. No. 1,285,788; Nov. 26; v. 256; p. 710.
Pierce, J. N., *et al.* (See Goodwin, Adolphus D., assignor.)

Alphabetical list of patentees—Continued.

Pierce, James F., Glynrich, assignor to American Vulcanized Fibre Co., Wilmington, Del. Rolling-machine. No. 1,289,257; Dec. 31; v. 257; p. 873.
Pierce, James L., assignor to Pacific Commercial Company, Manila, Philippine Islands. Drying apparatus. No. 1,254,431; Jan. 22; v. 246; p. 948.
Pierce, James L., assignor to Pacific Commercial Company, Manila, Philippine Islands. Furnace. No. 1,267,264; May 21; v. 250; p. 721.
Pierce, John, Milton, Mass. Lacing-hook-setting machine. No. 1,268,878; June 11; v. 251; p. 247.
Pierce, John M., New York, N. Y., assignor to F. C. Austin, Chicago, Ill. Hoisting apparatus. No. 1,289,258; Dec. 31; v. 257; p. 873.
Pierce, Melvin W., Medford, Mass. Device for blowing soap-bubbles. No. 1,284,440; Nov. 12; v. 256; p. 292.
Pierce Packer & Supply Co. (See Pierce, William S., assignor.)
Pierce, Robert C., Cincinnati, Ohio, assignor, by mesne assignments, to Thomson Electric Welding Company, Lynn, Mass. Making collar-head screws or the like. No. 1,262,975; Apr. 16; v. 249; p. 618.
Pierce, Ross O., Michigan City, Ind. Nut-lock. No. 1,261,609; Apr. 2; v. 249; p. 174.
Pierce, Ross O., Michigan City, Ind. Safe-protecting device. No. 1,282,929; Oct. 29; v. 255; p. 895.
Pierce, William B., North Tonawanda, assignor to Buffalo Bolt Company, Buffalo, N. Y. Grinding-machine. No. 1,277,472; Sept. 3; v. 254; p. 38.
Pierce, William L., New York, assignor to W. J. Bell, Kings county, N. Y. Sewing-machine. No. 1,278,204; Sept. 10; v. 254; p. 262.
Pierce, William N., Mount Vernon, Ill. Garment-hanger. No. 1,258,452; Mar. 5; v. 248; p. 147.
Pierce, William R. (See Beals, Eugene M., assignor.)
Pierce, William R. (See Wales, Nathaniel B., assignor.)
Pierce, William S., assignor to Pierce Packer & Supply Co., Franklin, Pa. Device for use in oil and gas wells. No. 1,273,663; July 23; v. 252; p. 896.
Pierce Wrapping Machine Company. (See Pierce, Frank M., assignor.)
Pierman, Alexander N., Newark, assignor to New Jersey Patent Company, West Orange, N. J. Sound-reproducer. No. 1,275,302; Aug. 13; v. 253; p. 295.
Pierman, Alexander N., Long Beach, N. Y. Alarm-signal. No. 1,276,807; Aug. 27; v. 253; p. 780.
Pierman, Alexander N., Newark, N. J. Signal or alarm apparatus. No. 1,276,808; Aug. 27; v. 253; p. 780.
Piernay, Walter, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vormals Didier, Stettin, Germany. Cooling mantle for furnaces. No. 1,262,250; Apr. 9; v. 249; p. 385.
Piersen, Edwin H., assignor to The Piersen Telegraph Transmitter Company, Topeka, Kans. Telegraph-transmitter. No. 1,289,899; Dec. 31; v. 257; p. 1031.
Piersen, Edwin H., assignor to The Piersen Telegraph Transmitter Company, Topeka, Kans. Telegraph-transmitter. No. 1,289,900; Dec. 31; v. 257; p. 1031.
Piersen, Edwin H., assignor to The Piersen Telegraph Transmitter Company, Topeka, Kans. Telegraph-transmitter. No. 1,289,901; Dec. 31; v. 257; p. 1031.
Piersen Telegraph Transmitter Company, The. (See Piersen, Edwin H., assignor.)
Pierson, Edward, Clarke Station, Ind. Necktie-stretcher. No. 1,253,720; Jan. 15; v. 246; p. 726.
Pierson, Fannie E., Gravity, Iowa. Food product and making same. No. 1,281,828; Oct. 15; v. 255; p. 527.
Pierson, Frank T., and W. S. McNally, Chicago, Ill. Folding table. No. 1,260,941; Mar. 26; v. 248; p. 964.
Pierson, Leonard F., Fredericksburg, Va. Game. No. 1,280,082; Sept. 24; v. 254; p. 830.
Pierson, Robert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dust-cap. No. 1,287,423; Dec. 10; v. 257; p. 341.
Pierson, Swan P., Milford, Mass. Automobile steering-gear. No. 1,272,085; July 9; v. 252; p. 408.
Pieser, Isaac. (See Redd, Charlie, assignor.)
Pietzsch, Cornelius O., East Bernard, Tex. Draft attachment for automobiles. No. 1,258,807; Mar. 12; v. 248; p. 288.
Pietzsch, Richard H., and R. P. Nichols, assignors to Cino Camera Company, Philadelphia, Pa. Motion-picture apparatus. No. 1,264,972; May 7; v. 250; p. 28.
Pietzuch, Joseph, Cincinnati, Ohio. Shoe-heel cushion. No. 1,264,127; Apr. 23; v. 249; p. 955.
Pifer, George N., assignor, by mesne assignments, to T. E. Stewart, trustee, Cleveland, Ohio. Automatic photographic apparatus. No. 1,270,203; June 18; v. 251; p. 642.
Pigeon, Albert M., assignor to Pigeon Machine Company, Philadelphia, Pa. Circular-knitting machine. No. 1,266,044; May 14; v. 250; p. 353.
Pigeon, Albert M., assignor to Pigeon Machine Company, Philadelphia, Pa. Circular-knitting machine. No. 1,266,045; May 14; v. 250; p. 353.
Pigeon, Albert M., assignor to Wildman Mfg. Co., Norristown, Pa. Spring beard-needle. No. 1,271,075; July 2; v. 252; p. 91.
Pigeon Machine Company. (See Pigeon, Albert M., assignor.)
Piggins, Charles R., Racine, Wis. Automobile-signal. No. 1,286,403; Dec. 3; v. 257; p. 54.
Pignani, Lorenzo, Dilltown, Pa. Tool. No. 1,258,453; Mar. 5; v. 248; p. 147.
Pignani, Lorenzo, Dilltown, Pa. Tool. No. 1,267,265; May 21; v. 250; p. 722.
Pignataro, Nicholas, Hilton, N. J. Electric signaling system for railway-trains. No. 1,266,150; May 14; v. 250; p. 383.
Pigott, George W., Harrisonville, Ohio. Railway-spike. No. 1,251,566; Jan. 1; v. 246; p. 36.
Pigott, Reginald J. S., Bridgeport, Conn. Expansion-joint. No. 1,255,631; Feb. 5; v. 247; p. 149.
Pijakowski, Wladyslaw. (See Widera, Paul J., assignor.)
Pike, Benjamin J., Mauk, Ga. Peanut-sheller. No. 1,264,329; Apr. 30; v. 249; p. 1045.
Pike, Benjamin J., Mauk, Ga. Hoe. No. 1,282,930; Oct. 29; v. 255; p. 895.
Pike, Earle R., Pittsburgh, Pa. Means for equalizing strains on cables, &c. No. 1,261,286; Apr. 2; v. 249; p. 83.
Pike, George J., Grand Rapids, Mich., assignor to The W. H. Gunlocke Chair Co. Chair. No. 1,256,726; Feb. 19; v. 247; p. 548.
Pike, Jay N., *et al.* (See Rothenberger, Simon W., assignor.)
Pike, Lorenzo H., assignor to Electric Service Supplies Company, Philadelphia, Pa. Clutching mechanism. No. 1,255,926; Feb. 12; v. 247; p. 275.
Pike Manufacturing Co. (See Gibford, Edward B., assignor.)
Pike, Robert D., San Francisco, Cal. Means for indicating the display of motion-pictures. No. 1,256,591; Feb. 19; v. 247; p. 508.
Pike, Robert D., San Francisco, Cal. Carbon and recovering same from the waste product of oil-cracking. No. 1,285,363; Nov. 19; v. 256; p. 563.
Pike, Robert D., Richmond, Cal. Carbon and manufacturing same. No. 1,262,251; Apr. 9; v. 249; p. 385.
Pike, Robert F., Fall River, Mass. Garment-supporter. No. 1,252,168; Jan. 1; v. 246; p. 212.
Pike, Thomas B., Pueblo, Colo. Beet-harvester. No. 1,286,092; Nov. 26; v. 256; p. 783.
Pilalis, Odysseus, Pittsburgh, Pa. Torpedo-guard. No. 1,277,117; Aug. 27; v. 253; p. 862.
Pilcher, John A. (See Kadel and Pilcher.)
Pilcher, John A., Roanoke, Va. Railway draft-rigging. No. 1,263,464; Apr. 23; v. 249; p. 776.
Pilcher, John A., Roanoke, Va. System of equalization for car-trucks. No. 1,265,374; May 7; v. 250; p. 138.
Pilcher, Newton R., Amarillo, Tex. Transmission-gearing. No. 1,268,608; June 4; v. 251; p. 154.
Pile, John R., Owensboro, Ky. Napkin-holder. No. 1,253,277; Jan. 15; v. 246; p. 596.
Pile, John R., Owensboro, Ky. Mail vehicle or wagon No. 1,259,127; Mar. 12; v. 248; p. 382.
Pilger, George J., Scranton, Pa. Air-brake system. No. 1,274,193; July 30; v. 252; p. 1080.
Pilgrim Fireproof Safe Deposit Box Company. (See Standish, Richard S., assignor.)
Pillig, John, Amsterdam, N. Y. Pipe connection. No. 1,283,554; Nov. 5; v. 256; p. 30.
Pilling, Charles J. (See Pierce and Pilling.)
Pilling, Charles J., Lansdowne, and H. R. Pierce, Philadelphia, Pa. Surgical appliance. No. 1,279,154; Sept. 17; v. 254; p. 546.
Pilling, Henry. Chorlton-cum-Hardy, England. Cylinder for uniflow steam-engines. No. 1,268,801; June 4; v. 251; p. 208.
Pilnacek, Michael. (See Karhan, August and C. F., assignors.)
Pilquist, Charles A., Ness City, Kans. Oil-burner. No. 1,277,642; Sept. 3; v. 254; p. 87.
Pilson, James R., Vanguard, Saskatchewan, Canada. Door-hinge. No. 1,253,882; Jan. 15; v. 246; p. 772.
Piltz, John D., Toledo, Ohio. Ship-protector. No. 1,266,854; May 21; v. 250; p. 607.
Pimm, John J., Lodi, Cal. Bean-cutter. No. 1,279,429; Sept. 17; v. 254; p. 621.
Pinal, Julio, Brooklyn, N. Y. Generator. No. 1,288,171; Dec. 17; v. 257; p. 558.
Pine, Arthur F. (See Pine, Wilber J. and A. F.)
Pine, Arthur F., Castle Rock, Colo. Vehicle-spring. No. 1,262,252; Apr. 9; v. 249; p. 385.
Pine Hill Crystal Spring Water Company. (See Cooper, Simon, assignor.)
Pine, James K. P., Lansingburg, assignor to United Shirt and Collar Company, Troy, N. Y. Collar. No. 1,253,418; Jan. 15; v. 246; p. 640.
Pine Tree Milking Machine Company. (See Macartney, Arthur C., assignor.)
Pine, Wilber J., Oshkosh, Wis., and A. F. Pine, Castle Rock, Colo. Self-lubricating spring. No. 1,262,555; April 9; v. 249; p. 470.
Pineau, Peter, New Bedford, Mass. Valve-operating mechanism. No. 1,262,976; Apr. 16; v. 249; p. 618.
Pinegar, Clifton, Steprock, Ark. Horseshoeing-stool. No. 1,270,204; June 18; v. 251; p. 642.
Pines, Wilson, Rogers, Mich. Grader. No. 1,287,424; Dec. 10; v. 257; p. 341.
Pinfold, Arthur G., Bradford, England. Violin chin-rest. No. 1,288,172; Dec. 17; v. 257; p. 558.
Pingree, David H., Melrose, Mass. Lock. No. 1,259,128; Mar. 12; v. 248; p. 382.

Pinkerton, Edward E., assignor of one-half to C. H. Hudson, Chicago, Ill. Box. No. 1,268,146; June 4; v. 251; p. 22.
Pinkerton, Ervin W., Rochester, N. Y. Safety-guard. No. 1,289,536; Dec. 31; v. 257; p. 942.
Pinkerton, James. (See Newton, John E., assignor.)
Pinkney, Bryan D., Cincinnati, Ohio. Beater for mixing-machines. No. 1,287,741; Dec. 17; v. 257; p. 451.
Pinkney, Bryan D., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Dough-mixing machine. No. 1,265,375; May 7; v. 250; p. 138.
Pinkney, Bryan D., Cincinnati, Ohio. Mixing-machine. No. 1,269,740; June 18; v. 251; p. 517.
Pinkney, Cleveland, Georgetown, S. C. Smoker's pipe. No. 1,258,454; Mar. 5; v. 248; p. 147.
Pinkos, Adam, Tulsa, Okla. Fruit-gatherer. No. 1,258,455; Mar. 5; v. 248; p. 148.
Pinney, Aron B., New York, N. Y. Device for electrically controlling mechanical operation. No. 1,278,743; Sept. 10; v. 254; p. 407.
Pinney, Henry J., Worcester, Mass., assignor to The American Tobacco Company, New York, N. Y. Cigarette-package. No. 1,275,738; Aug. 13; v. 253; p. 416.
Piogey & Cie. (See Piogey, Roger, assignor.)
Piogey, Roger, assignor to Piogey & Cie, Paris, France. Manufacture of a plastic non-inflammable and odorless material. No. 1,263,284; Apr. 16; v. 249; p. 704.
Piosecki, Michael, Baltimore, Md. Life-saving raft. No. 1,268,147; June 4; v. 251; p. 22.
Piotrowsky, Gregory V., Buffalo, N. Y. Air-pump. No. 1,257,527; Feb. 26; v. 247; p. 818.
Piotrowski, Mikolaj, Elmira Heights, N. Y. Alcohol-burner. No. 1,272,995; July 16; v. 252; p. 691.
Piper, Arthur L., San Francisco, Cal., assignor to Automatic Electric Company, Chicago, Ill. Automatic party-line telephone system. No. 1,284,924; Nov. 12; v. 256; p. 413.
Piper Cooling and Preserving Company, The. (See Piper, Herbert H., assignor.)
Piper, George M., assignor to Wagner Manufacturing Company, Cedar Falls, Iowa. Door-hanger. No. 1,265,952; May 14; v. 250; p. 328.
Piper, Herbert H., assignor to The Piper Cooling and Preserving Company, Jackson, Mo. Refrigerator. No. 1,282,931; Oct. 29; v. 255; p. 895.
Piper, Joseph W., Lowell, Mass. Boiler for steam and hot-water heating. No. 1,262,556; Apr. 9; v. 249; p. 470.
Piper, Mark A., Marblehead, Mass. Trousers-belt. No. 1,272,519; July 16; v. 252; p. 554.
Piper, William H., Kansas City, Mo. Separable button-shank. No. 1,258,942; Mar. 12; v. 248; p. 327.
Piperno, James, New York, N. Y. Manufacture of synthetic milk. No. 1,267,449; May 28; v. 250; p. 799.
Pipes, William H. (See Menge and Pipes.)
Pipp, John M., Muncie, Ind. Auto-signal. No. 1,265,814; May 14; v. 250; p. 288.
Pippin, W. H., *et al.* (See Speasl, George A., assignor.)
Piquerez, Emile, St.-Ursanne, Switzerland. Lubricator. No. 1,276,108; Aug. 20; v. 253; p. 550.
Pirc, George. (See Borsse, Anton A., assignor.)
Pirc, George. (See Borsse and Pirc.)
Piróg, Jan, Passaic, N. J. Wire-cutting bayonet. No. 1,274,194; July 30; v. 252; p. 1080.
Pirscher, Ernest A., New York, N. Y., assignor to American Sleeve-Valve Motor Company, Philadelphia, Pa. Internal-combustion engine. No. 1,256,727; Feb. 19; v. 247; p. 548.
Pirwitz, Friedrich A. G., Rochester, N. Y. View-finder for photographic cameras. No. 1,285,364; Nov. 19; v. 256; p. 563.
Piscek, Joseph I., *et al.* (See Krizek, Joseph, assignor.)
Piston-Valve Motor Company. (See Hall, Milan W., assignor.)
Pitcher, Elmer, Minneapolis, Minn. Shock-loader. No. 1,258,142; Mar. 5; v. 248; p. 56.
Pitcher, Elmer C., San Francisco, Cal. Pivotal truck for disappearing beds. No. 1,285,789; Nov. 26; v. 256; p. 710.
Pitfield, Emlen P., Cambridge, Mass. Molding-machine. No. 1,268,768; June 4; v. 251; p. 197.
Pitkethly, David T., and H. L. Baier; said H. L. Baier assignor to L. Baier, Brooklyn, N. Y. Vehicle-signal device. No. 1,280,831; Oct. 8; v. 255; p. 226.
Pitman, Edmund Y., Willits, Cal. Tool for setting window-shade hangers. No. 1,262,557; Apr. 9; v. 249; p. 470.
Pitman, Henry L., East Orange, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,263,339; Apr. 16; v. 249; p. 719.
Pitman, Henry L., East Orange, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,280,292; Oct. 1; v. 255; p. 50.
Pitman, Robert A., Philadelphia, Pa., assignor to The Dunham Company, Berea, Ohio. Land-roller. No. 1,260,573; Mar. 26; v. 248; p. 861.
Pitney, Arthur H., Joliet, Ill. Mail-marking machine and postage-meter. No. 1,273,793; July 23; v. 252; p. 928.
Pitt, Edward L., and E. J. Rutman, Cincinnati, Ohio. Revolving display device. No. 1,265,376; May 7; v. 250; p. 138.
Pitt, William A., Montreal, Quebec, Canada. Power-transmitting device. No. 1,288,173; Dec. 17; v. 257; p. 558.
Pitt, William P., Independence, assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf holder. No. 1,284,764; Nov. 12; v. 256; p. 372.
Pittaluga, Stefano, Los Angeles, Cal. Can-draining machine. No. 1,254,269; Jan. 22; v. 246; p. 901.
Pittenger, Paul S., assignor to H. K. Mulford Company, Philadelphia, Pa. Package and hypodermic syringe. No. 1,288,174; Dec. 17; v. 257; p. 558.
Pittenger, William H., *et al.* (See Hough, Samuel, assignor.)
Pitti, Ethel R., Boyd, Mont. Swing. No. 1,275,739; Aug. 13; v. 253; p. 416.
Pittman, Clovis C. (See Midboe and Pittman.)
Pittman, George F., Los Angeles, Cal. Sectional load-shifting delivery-vehicle. No. 1,288,175; Dec. 17; v. 257; p. 559.
Pittman, Mordaunt E., Center, Tex. Indicating and testing apparatus. No. 1,265,953; May 14; v. 250; p. 328.
Pittman, Seneca A., Center, assignor of one-half to O. H. Arnold, Jr., Athens, Ga. Ditching attachment for turning-plows. No. 1,268,148; June 4; v. 251; p. 22.
Pittman, Steven E., Wichita, Kans. Roll-hoist. No. 1,280,083; Sept. 24; v. 254; p. 830.
Pittman, William H., Minatare, Nebr. Nut-lock. No. 1,257,022; Feb. 19; v. 247; p. 637.
Pittoni, Louis E. (See Sisbower and Pittoni.)
Pitts, William H., Walla Walla, Wash. Automatic cummutator. No. 1,281,204; Oct. 8; v. 255; p. 327.
Pittsburgh Automatic Heat Regulator Company. (See Lewis, Scott, and Dell, assignors.)
Pittsburgh Can Company. (See Jones, Whitfield E., Jr., assignor.)
Pittsburgh Coal Washer Company. (See Hurst and Kenney, assignors.)
Pittsburgh Coal Washer Company. (See Llewellyn, Lee, assignor.)
Pittsburgh Electric Specialties Co. (See Roffy, Joseph T., assignor.)
Pittsburgh Electric Tool Company. (See Wendelburg, Alex, assignor.)
Pittsburgh Lamp Brass & Glass Company. (See Yokel, Frank, assignor.)
Pittsburgh Meter Company. (See Chrisman, Horace, assignor.)
Pittsburgh Plate Glass Company. (See Clause, William L., assignor.)
Pittsburgh Plate Glass Company, The. (See Howard, George E., assignor.)
Pittsburgh Plate Glass Company. (See Kerr, Charles H., assignor.)
Pittsburgh Plate Glass Company. (See Pease, Roger S., assignor.)
Pittsburgh Plate Glass Company, The. (See Sekinger, John G., assignor.)
Pittsburgh Plate Glass Company. (See Slingluff, Harry G., assignor.)
Pittsburgh Rolls Corporation. (See McMillin, Oliver B., assignor.)
Pittsburgh Saw & Manufacturing Company. (See Carothers, James A., assignor.)
Pittsburgh Steel Company. (See Anfindsen, Christian B., assignor.)
Pittsburgh Steel Company. (See Johnson, August G., assignor.)
Pittsburgh Steel Company. (See Mogan, Christopher J., assignor.)
Pittsburgh Steel Products Company. (See Selkirk, William M., assignor.)
Pittsburgh Steel Stamp Company. (See Hudspeth, Edward T., assignor.)
Pittsburgh Testing Laboratory. (See Handy, James O., assignor.)
Pittsburgh Toy Vehicle Company. (See Case, Homer W., assignor.)
Pittsburgh Valve Foundry and Construction Company. (See Stuart, George J., assignor.)
Pittsburg Water Heater Company. (See Backstrom, Charles A., assignor.)
Pittsburgh Water Heater Company. (See Scholz, Charles O., assignor.)
Pittsfield Spark Coil Company. (See Shaw, Albert P., assignor.)
Pitzer, Alfred. (See Geilsdorfer and Pitzer.)
Piut, Stanley, Glen Richey, Pa. Carbid-lamp. No. 1,281,651; Oct. 15; v. 255; p. 479.
Place, Roland P. (See Hoy and Place.)
Plack, Henry E., Towson, Md. Adjustable curtain-bracket. No. 1,272,848; July 16; v. 252; p. 650.
Plage, Arthur, *et al.* (See Tietzmann, Charles, assignor.)
Plaisted, Earl H., and A. O. Black, Butler, Pa. Automatic timing device for closed circuits. No. 1,267,690; May 28; v. 250; p. 867.
Plaisted, Harold M., Granite City, Ill., assignor to The Williams Patent Crusher & Pulverizer Co., St. Louis, Mo. Pneumatic separating system. No. 1,272,311; July 9; v. 252; p. 472.

Plaisted, Harold M., Granite City, Ill., assignor to Williams Patent Crusher and Pulverizer Co., St. Louis, Mo. Rotary hammer. No. 1,281,829; Oct. 15; v. 255; p. 527.
Plamann, Howard F., Hiawatha, Kans. Dirigible headlight. No. 1,259,441; Mar. 12; v. 248; p. 469.
Plank, Emerson A., Independence, Iowa. Floor-planing machine. No. 1,282,285; Oct. 22; v. 255; p. 691.
Plank, John H., Bloomfield, Iowa. File-rack. No. 1,257,528; Feb. 26; v. 247; p. 818.
Plank, John L., Rochester, N. Y. Deposit and collection receptacle. No. 1,260,038; Mar. 19; v. 248; p. 674.
Planostyle Company. (See Chisholm, Clifton, assignor.)
Plant, Henry J., assignor to Defiance Check Writer Corporation, Rochester, N. Y. Check-writing machine. No. 1,254,270; Jan 22; v. 246; p. 902.
Plant, Henry J., assignor to Defiance Check Writer Corporation, Rochester, N. Y. Printing-machine. No. 1,281,652; Oct. 15; v. 255; p. 479.
Plant, Henry J., assignor to Defiance Check Writer Corporation, Rochester, N. Y. Roller. No. 1,284,443; Nov. 12; v. 256; p. 292.
Planters Stemming Company. (See Morris, John O., assignor.)
Plantiko, John, Withee, Wis. Stone-gatherer. No. 1,253,094; Jan. 8; v. 246; p. 514.
Plantinga, Peter, assignor to Davis Machine Tool Company, Inc., Rochester, N. Y. Lathe. No. 1,274,770; Aug. 6; v. 253; p. 122.
Plantinga, Peter, assignor to Davis Machine Tool Co., Inc., Rochester, N. Y. Shaper and the like. No. 1,274,771; Aug. 6; v. 253; p. 123.
Plantinga, Pierre, Cleveland, Ohio. Coke-oven. No. 1,255,047; Jan. 29; v. 246; p. 1156.
Plantinga, Pierre, Cleveland, Ohio. Self-sealing oven-door. No. 1,257,113; Feb. 19; v. 247; p. 660.
Plate, John, Chicago, Ill. Coin-operated device. No. 1,274,772; Aug. 6; v. 253; p. 123.
Plath, John F., Maza, N. D. Brooder. No. 1,257,023; Feb. 19; v. 247; p. 637.
Platt, Benjamin N., assignor to The Platt-Maschek Co., Chicago, Ill. Toy furniture. No. 1,257,389; Feb. 26; v. 247; p. 776.
Platt, Clarence D., Bridgeport, Conn. Entrance-switch. No. 1,252,492; Jan. 8; v. 246; p. 338.
Platt, Clarence D., Bridgeport, Conn. Inclosed-switch construction. No. 1,252,493; Jan. 8; v. 246; p. 338.
Platt, Clarence D., Bridgeport, Conn. Electric switch. No. 1,254,067; Jan. 22; v. 246; p. 844.
Platt, Clarence D., Bridgeport, Conn. Electric-switch construction. No. 1,260,708; Mar. 26; v. 248; p. 901.
Platt, Clarence D., Bridgeport, Conn. Box knock-out. No. 1,271,215; July 2; v. 252; p. 131.
Platt, Clarence D., Bridgeport, Conn. Switch-box. No. 1,271,216; July 2; v. 252; p. 132.
Platt, Clarence D., Bridgeport, Conn. Electrical receptacle. No. 1,271,217; July 2; v. 252; p. 132.
Platt, Clarence D., Bridgeport, Conn. Protective box for meter connections. No. 1,272,086; July 9; v. 252; p. 408.
Platt, Clarence D., Bridgeport, Conn. Electric switch. No. 1,287,425; Dec. 10; v. 257; p. 341.
Platt, Jacob, Brooklyn, assignor of one-half to J. Satenstein, New York, N. Y. Bookbinding apparatus. No. 1,289,902; Dec. 31; v. 257; p. 1031.
Platt, Leon D., Cleveland, Ohio. Serving-table. No. 1,252,020; Jan. 1; v. 246; p. 170.
Platt-Maschek Co., The. (See Platt, Benjamin N., assignor.)
Platt, Walter, Sabattus, Me., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Multiplier. No. 1,283,291; Oct. 29; v. 255; p. 991.
Platt, William T., St. Louis, Mo. Lock for the steering-posts of automobiles and the like. No. 1,279,902; Sept. 24; v. 254; p. 781.
Platter, Orval R., North Vernon, Ind. Truck. No. 1,261,610; Apr. 2; v. 249; p. 174.
Plauschinat, Alfred E., Philadelphia, Pa. Spring-gun. No. 1,269,851; June 18; v. 251; p. 549.
Plautz, Albert A. (See Zarling, William, assignor.)
Player, Donald W., Folkestone, England. Moving-picture apparatus. No. 1,253,883; Jan. 15; v. 246; p. 772.
Playfair, Mervil N., Almonte, Ontario, Canada. Valve-closer. No. 1,280,293; Oct. 1; v. 255; p. 50.
Pleasance, Joseph H., Vancouver, British Columbia, Canada. Cigarette-paper holder. No. 1,288,672; Dec. 24; v. 257; p. 706.
Plein, Louis, Chicago, Ill. Internal-combustion engine. No. 1,278,009; Sept. 3; v. 254; p. 185.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Guy-rod. No. 1,258,140; Mar. 5; v. 248; p. 56.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,265,246; May 7; v. 250; p. 103.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,267,901; May 28; v. 250; p. 927.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,267,902; May 28; v. 250; p. 928.
Pleister, Henry W. Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,267,903; May 28; v. 250; p. 928.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Railing-base. No. 1,287,426; Dec. 10; v. 257; p. 341.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall; H. B. Newhall, Jr., executor. Guy-clamp. No. 1,287,742; Dec. 17; v. 257; p. 451.
Pleister, Henry W., Westfield, N. J., assignor to H. B Newhall; H. B. Newhall, Jr., executor. Guy-clamp. No. 1,288,176; Dec. 17; v. 257; p. 559.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall, Jr., executor. Bolt-anchor. No. 1,288,177; Dec. 17; v. 257; p. 559.
Pletcher, Isaiah, Iuka, Ill. Dry-cell battery. No. 1,283,292; Oct. 29; v. 255; p. 991.
Pleyte, Arthur A., *et al.* (See Wiens, Adolph R., assignor.)
Plimpton, Bentley A., Victor, N. Y. Strain-insulator. No. 1,266,711; May 21; v. 250; p. 568.
Plisco, Joseph, assignor of one-half to J. Goldstein, Roanoke, Va. Detachable heel. No. 1,269,852; June 18; v. 251; p. 549.
Ploehn, John H., assignor to French & Hecht, Davenport, Iowa. Lap-weld and producing same. No. 1,252,025; Jan. 1; v. 246; p. 172.
Plopper, James A., Portland, Oreg. Foldable candle-holder. No. 1,277,476; Sept. 3; v. 254; p. 39.
Plotka, Michael. (See Bonk and Plotka.)
Plowhead, William T., Middleton, Idaho. Vise-clamp. No. 1,288,178; Dec. 17; v. 257; p. 559.
Plumb, James P., Wood Green, London, England. Crutch. No. 1,269,504; June 11; v. 251; p. 420.
Plumbing Service Company, The. (See Smith, Walter S., assignor.)
Plume & Atwood Mfg. Co., The. (See Boomer, George A., assignor.)
Plumer, Charlie C., Concord, N. H. Garment. No. 1,280,537; Oct. 1; v. 255; p. 117.
Plumley, Raymond L., Wilmington, Del., assignor to Frederick Osann Company, New York, N. Y. Straw-sewing machine. No. 1,252,169; Jan. 1; v. 246; p. 212.
Plummer, Clarence H., Kewaunee, Wis. Pea-viner. No. 1,269,211; June 11; v. 251; p. 341.
Plummer, Henry W., Augusta, Me. Tourniquet. No. 1,281,653; Oct. 15; v. 255; p. 479.
Plummer, Jesse C., Cleveland, Ohio. Mounting for French windows. No. 1,278,502; Sept. 10; v. 254; p. 341
Plummer, Micajah C., Waverly, Va. Seed or fertilizer distributer. No. 1,263,105; Apr. 16; v. 249; p. 656.
Plummer, William T. (See Bradshaw, William H., assignor.)
Plym, Francis J., Niles, Mich. Store-front construction. No. 1,258,043; Mar. 5; v. 248; p. 28.
Plym, Francis, J., Niles, Mich. Jamb-covering. No. 1,258,044; Mar. 5; v. 248; p. 28.
Plym, John, Argo, Ill. Elevator safety appliance. No. 1,278,380; Sept. 10; v. 254; p. 309.
Plymouth Cordage Company. (See Dodge, Milo C., assignor.)
Plyn, Francis J., Niles, Mich. Store-front construction. No. 1,274,773; Aug. 6; v. 253; p. 123.
Pneumatic Conveyor Company. (See Lob, Guido E., assignor.)
Pneumatic Cushion Inner Tube Company. (See Brophy, James P., assignor.) (Reissue.)
Pneumatic Scale Corporation Limited. (See Doble and Wheaton, assignors.) (Reissue.)
Pneumatic Scale Corporation. (See Field, Samuel B., assignor.)
Pneumatic Scale Corporation. (See Robinson, George A., assignor.)
Pneumatic Surgical Appliance Company. (See Carling, Rose S., assignor.)
Poccia, Loreto, Mamaroneck, N. Y. Automobile air-compressor. No. 1,255,632; Feb. 5; v. 247; p. 150.
Pochon, Roger, Grayson, Nebr. Dirigible headlight. No. 1,255,048; Jan. 29; v. 246; p. 1156.
Pochopien, John, Flint, Mich. Bath-tub cabinet. No. 1,272,087; July 9; v. 252; p. 408.
Pocock, Augustine J., Dayton, Ohio. Oil-dispensing pump. No. 1,262,697; Apr. 16; v. 249; p. 539.
Pocock, Augustine J., Dayton, Ohio. Casing for measuring-pumps. No. 1,275,595; Aug. 13; v. 253; p. 374.
Pocoroba, Giuseppi. (See Anello and Pocoroba.)
Podlasek, Lawrence, Berlin, Conn. Boiler. No. 1,275,596; Aug. 13; v. 253; p. 375.
Podobiedoff, Iwan, Petrograd, Russia. Well-casing head. No. 1,272,312; July 9; v. 252; p. 472.
Poehland, Bernhard, Brooklyn, N. Y. Cello-rest. No. 1,288,179; Dec. 17; v. 257; p. 559.
Poehlmann, Andrew T. (See Talbot, William W., assignor.)
Poeton, Laurence, assignor to American Optical Company, Southbridge, Mass. Temple for ophthalmic mountings. No. 1,265,377; May 7; v. 250; p. 139.
Poeton, Lawrence, assignor to American Optical Company, Southbridge, Mass. Temple. No. 1,265,511; May 7; v. 250; p. 175.

Pocton, Lawrence, and J. C. Wells, assignors to American Optical Company, Southbridge, Mass. Temple for ophthalmic mountings. No. 1,267,904; May 28; v. 250; p. 928.
Poetsch, Chester M., Chicago, Ill. Radiator-cover and humidifier. No. 1,284,765; Nov. 12; v. 256; p. 372.
Poetschke, Paul, Milford, Del. Reinforced paper article. No. 1,274,323; July 30; v. 252; p. 1115.
Poetschke, Paul, Milford, Del. Phonograph-record and making the same. No. 1,274,324; July 30; v. 252; p. 1115.
Poetschke, Paul, Milford, Del. X-ray protective cement. No. 1,278,010; Sept. 3; v. 254; p. 185.
Poetschke, Paul, Milford, Del., assignor to Palo Company, New York, N. Y. Apparatus for the absorption of moisture and gases. No. 1,268,053; May 28; v. 250; p. 969.
Poetschke, Paul, assignor to L. D. Caulk Company, Milford, Del. Alloy and purifying same. No. 1,278,744; Sept. 10; v. 254; p. 407.
Poetz, John C., Spokane, Wash. Step-ladder. No. 1,283,424; Oct. 29; v. 255; p. 1027.
Pogolski, Nicolas, Washington, D. C. Aeroplane. No. 1,266,151; May 14; v. 250; p. 383.
Pogue, George D., St. Louis, Mo. Lubricating mechanism for piston-machines. No. 1,254,535; Jan. 22; v. 246; p. 978.
Pogue, George D., St. Louis, Mo. Fuel-pump for oil-engines. No. 1,254,846; Jan. 29; v. 246; p. 1100.
Pogue, George D., St. Louis, Mo. Valveless liquid-elevating device. No. 1,260,574; Mar. 26; v. 248; p. 861.
Pogue, George D., St. Louis, Mo. Maximum-demand instrument. No. 1,265,247; May 7; v. 250; p. 103.
Pogue, George D., St. Louis, Mo. Maximum-demand recorder. No. 1,279,378; Sept. 17; v. 254; p. 609.
Pogue, George D., St. Louis, Mo. Crank-pin-lubricating device. No. 1,288,983; Dec. 24; v. 257; p. 780.
Pogue, George D., St. Louis, Mo. Lubricating system for machine-bearings. No. 1,289,903; Dec. 31; v. 257; p. 1032.
Pohl, Joe H., Merrill, Iowa. Window-screen. No. 1,278,745; Sept. 10; v. 254; p. 407.
Pohler, Matt, Arcata, Cal. Milk or cream cooler. No. 1,280,294; Oct. 1; v. 255; p. 51.
Poignand, Francis N., Rutherford, N. J., assignor to Locomotive Superheater Company, New York, N. Y. Superheater. No. 1,260,443; Mar. 26; v. 248; p. 822.
Point, George M., Huntington, W. Va., assignor to Barco Brass & Joint Company, Chicago, Ill. Valve. No. 1,260,246; Mar. 19; v. 248; p. 731.
Poirier, Arthur F., and T. J. Monroe, Lewiston, assignors of one-third to H. Manser, Auburn, Me. Doffing-yarn clamp for spinning-mules. No. 1,288,180; Dec. 17; v. 257; p. 560.
Pokoy, Rudolph, Marbury, Ala. Incubator. No. 1,286,765; Dec. 3; v. 257; p. 138.
Polack, Charles F., York, Pa. Attachment for automobiles. No. 1,252,943; Jan. 8; v. 246; p. 467.
Polar, Johan. (See Woods and Polar.)
Poliakoff, Rouvime, New York, N. Y. Milling-machine dynamometer. No. 1,280,538; Oct. 1; v. 255; p. 117.
Poling, Fred C., Menlo, assignor to Goode Anti-Skid Chain Manufacturing Company, Des Moines, Iowa. Antiskid device for tires. No. 1,270,550; June 25; v. 251; p. 764.
Polinkowsky, Lipa. (See Adams and Polinkowsky.)
Polinkowsky, Lipa. (See McBerty and Polinkowsky.)
Polisner, Harris. (See Jacobucci, Raphael, assignor.)
Polk, Albert S., Roland Park, assignor to Rennous, Kleinle & Company, Baltimore, Md. Brush-holder. No. 1,263,925; Apr. 23; v. 249; p. 902.
Polk, Omar M., *et al.* (See Ahlgren, John M., assignor.)
Polk, Roger W., assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Gas-generator. No. 1,264,207; Apr. 30; v. 249; p. 1012.
Pollak, Joseph, Dorchester, Mass. Vulcanizer. No. 1,288,181; Dec. 17; v. 257; p. 560.
Pollak, Robert R., San Francisco, Cal. Apparatus for dehydrating oil. No. 1,254,271; Jan. 22; v. 246; p. 902.
Pollard-Alling Manufacturing Company. (See De Minico, Frank, assignor.)
Pollard, George, Westminster, assignor to The Menco-Elma Syndicate Limited, London, England. Speed-changing and reversing gear. No. 1,282,932; Oct. 29; v. 255; p. 895.
Polley, George A. (See Craig and Polley.)
Polley, John, and G. Gabrielsen, Portland, Oreg. Upflow strainer. No. 1,278,809; Sept. 10; v. 254; p. 424.
Polley, Manford J. (See Craig and Polley.)
Pollock, Robert H., Philadelphia, Pa. Coin-selecting device. No. 1,280,539; Oct. 1; v. 255; p. 118.
Pollock, Robert H., Philadelphia, Pa. Coin-selecting device. No. 1,280,540; Oct. 1; v. 255; p. 118.
Polo, Joseph B. (See Godfrey and Polo.)
Polson, Carl, Vermillion, Kans. End-gate for wagons. No. 1,274,325; July 30; v. 252; p. 1115.
Polyak, Charles, Warren, Ohio. Reading-stand. No. 1,261,611; Apr. 2; v. 249; p. 175.
Polychromatic Film Corporation. (See Uebelmesser and Wenderhold, assignors.)
Pomeroy, Bennard H., Rochester, assignor, by mesne assignments, to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 1,252,836; Jan. 8; v. 246; p. 436.
Pomeroy, Flora, San Francisco, Cal. Automatic mail-dumping device. No. 1,269,853; June 18; v. 251; p. 549.
Pomeroy, Florence M. (See Jones, Owen H., assignor.)
Pomeroy, John F., *et al.* (See Crocker, Claudious M., assignor.)
Pomeroy, Ralph E. H., McGill, Nev. Roaster-furnace top. No. 1,251,692; Jan. 1; v. 246; p. 75.
Pomfret, John, Sr., Paterson, N. J. Lock-bar barrier for protecting ships against torpedo attacks. No. 1,273,664; July 23; v. 252; p. 896.
Pomilio, Umberto, Turin, Italy. Oxidation of cresols. No. 1,265,378; May 7; v. 250; p. 139.
Pond, Clarke P., *et al.* (See Robinson, Jonathan J., assignor.)
Pond, Clarke P., Philadelphia, Pa. Mechanical movement. No. 1,279,903; Sept. 24; v. 254; p. 781.
Pond, Clarke P., Philadelphia, Pa. Sash construction. No. 1,283,555; Nov. 5 v. 256; p. 30.
Pondelick, Leo, Chicago, Ill. Self-adjusting piston-ring. No. 1,265,109; May 7; v. 250; p. 67.
Ponder, Allie, East Point, assignor to Couch Bros. Manufacturing Co., Atlanta, Ga. Back-band hook. No. 1,257,390; Feb. 26; v. 247; p. 776.
Pongracz, Gyorgy, Ohley, W. Va. Padlock. No. 1,270,205; June 18; v. 251; p. 642.
Poniatowski, Alexander, Perth Amboy, N. J. Soldier's shield. No. 1,267,588; May 28; v. 250; p. 838.
Ponic, Vincent G., Chicago, Ill. Dish-pan. No. 1,284,139; Nov. 5; v. 256; p. 186.
Ponon, Saul, Newark, N. J., assignor to Daylight Cinema Corporation, New York, N. Y. Endless-film reel. No. 1,254,272; Jan. 22; v. 246; p. 902.
Pons, Angel, Buffalo, N. Y. Fiber-cleaning machine. No. 1,255,633; Feb. 5; v. 247; p. 150.
Pontius, Le Roy L., Chicago, Ill. Electric oven. No. 1,282,933; Oct. 29; v. 255; p. 896.
Ponton, Boyce D., Hallettsville, Tex. Pipe-clamp. No. 1,274,774; Aug. 6; v. 253; p. 123.
Pool, Austin R., assignor of one-half to S. Thornburrow, Wetmore, Kans. Wheel-chain-tightening tool. No. 1,254,934; Jan. 29; v. 246; p. 1126.
Pool, Charlie H., Savannah, Ga. Ladder attachment. No. 1,288,182; Dec. 17; v. 257; p. 560.
Pool, Chester, Delta, Colo. Ball-cock valve for flush-tanks. No. 1,263,699; Apr. 23; v. 249; p. 839.
Pool, Elmer C., New Castle, Pa., assignor to Toledo Scale Company, Jersey City, N. J. Weighing-scale. No. 1,283,556; Nov. 5; v. 256; p. 31.
Poole, Arthur F., Chicago, Ill. Toggle-bolt. No. 1,271,763; July 9; v. 252; p. 315.
Poole, Arthur F., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Calculating-machine. No. 1,259,043; Mar. 12; v. 248; p. 358.
Poole, Arthur F., Chicago, Ill., assignor, by mesne assignments, to The Wahl Company, Wilmington, Del. Calculating-machine. No. 1,268,785; June 4; v. 251; p. 203.
Poole, Arthur F., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Calculating-machine. No. 1,271,762; July 9; v. 252; p. 315.
Poole, Arthur F., Chicago, Ill., assignor, by mesne assignments, to The Wahl Company, Wilmington, Del. Calculating-machine. No. 1,273,180; July 23; v. 252; p. 766.
Poole, Arthur F., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Calculating-machine. No. 1,274,572; Aug. 6; v. 253; p. 66.
Poole, Arthur F., Chicago, Ill., assignor to Wahl Company, Wilmington, Del. Calculating-machine. No. 1,283,293; Oct. 29; v. 255; p. 991.
Poole, Charles A., Jersey City, N. J. Tiltable street-post. No. 1,266,152; May 14; v. 250; p. 384.
Poole, Charles A., Jersey City, N. J. Tiltable post. No. 1,269,212; June 11; v. 251; p. 341.
Poole, Charles A., Jersey City, N. J. Tiltable post. No. 1,272,088; July 9; v. 252; p. 408.
Poole, Charles F., Greenville, S. C. Table. No. 1,285,365; Nov. 19; v. 256; p. 563.
Poor, Charles L., Shelter Island, N. Y. Direction-indicator. No. 1,289,904; Dec. 31; v. 257; p. 1032.
Poor, Charles L., Shelter Island, N. Y. Navigation instrument. No. 1,289,905; Dec. 31; v. 257; p. 1032.
Poole, Charles O., *et al.* (See Huntington, Alfred R., assignor.)
Poole, Clifford O., Balcom, Ill. Ratchet-nut-turning machine. No. 1,268,275; June 4; v. 251; p. 58.
Poole, Frederick A., Chicago, Ill. Alining apparatus for printers' forms. No. 1,281,830; Oct. 15; v. 255; p. 528.
Poole, Frederick P., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Indexing-carrier. No. 1,258,808; Mar. 12; v. 248; p. 288.
Poole, Frederick P., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic apparatus. No. 1,262,838; Apr. 16; v. 249; p. 579.
Poole, George H., Perth, Ontario, Canada. Hydraulic fountain-brush. No. 1,252,837; Jan. 8; v. 246; p. 436.
Poole, Jesse L., Richmond, Va. Adding and subtracting machine. No. 1,257,926; Feb. 26; v. 247; p. 934.

Alphabetical list of patentees—Continued.

Poole, Jesse V., assignor of one-half to L. L. Livingston, Abington, Mass. Forming and applying the stitch-receiving ribs of innersoles. No. 1,281,831; Oct. 15; v. 255; p. 528.
Poole, John H., Bridgewater, assignor to A. Hamilton, trustee, Brockton, Mass. Pneumatic-tire valve. No. 1,263,599; Apr. 23; v. 249; p. 812.
Poole, Lucia M., San Jose, Cal. Mop head. No. 1,268,769; June 4; v. 251; p. 198.
Poorman, Frank H. (See Malm and Poorman.)
Pope, Alfred T., assignor of one-half to C. Pope, Louisville, Ky. Egg-turning mechanism for incubators. No. 1,254,273; Jan. 22; v. 246; p. 902.
Pope, Alfred T., assignor of one-half to C. Pope, Louisville, Ky. Egg-turning mechanism for incubators. No. 1,275,303; Aug. 13; v. 253; p. 295.
Pope, Charles E., Holyoke, Mass., assignor to Great Northern Paper Company, Millinocket, Me. Fourdrinier machine. No. 1,257,737; Feb. 26; v. 247; p. 881.
Pope, Charles E., Holyoke, Mass., assignor to Great Northern Paper Company, Millinocket, Me. Machine for making paper. No. 1,262,698; Apr. 16; v. 249; p. 540.
Pope, Charles E., Holyoke, Mass., assignor to Great Northern Paper Company, Millinocket, Me. Automatic paper-machine. No. 1,283,888; Nov. 5; v. 256; p. 119.
Pope, Charles E., Springfield, Mass., assignor to Great Northern Paper Company, Millinocket, Me. Method and machine for making paper. No. 1,279,756; Sept. 24; v. 254; p. 737.
Pope, Charles E., Springfield, Mass., assignor to Great Northern Paper Company, Millinocket, Me. Automatic feeding means for paper-machines. No. 1,283,889; Nov. 5; v. 256; p. 119.
Pope, Charles L., Kimberly, Idaho. Neck-yoke attachment. No. 1,257,636; Feb. 26; v. 247; p. 850.
Pope, Curran. (See Pope, Alfred T., assignor.)
Pope, Henry, Chicago, Ill. Reusable knitted gauze surgical dressing. No. 1,285,366; Nov. 19; v. 256; p. 563.
Pope, John R., New York, N. Y. Vehicle spring suspension. No. 1,279,430; Sept. 17; v. 254; p. 622.
Pope, William, Rockvale, Tenn. Gate. No. 1,255,634; Feb. 5; v. 247; p. 150.
Pope, William W., Camas, Wash. Cable-clamp. No. 1,266,312; May 14; v. 250; p. 427.
Popendick, William, Decatur, Mich. Collapsible form for arches. No. 1,284,766; Nov. 12; v. 256; p. 372.
Popham, Richard M., Merion, Pa. Book for income-tax returns. No. 1,285,367; Nov. 19; v. 256; p. 564.
Poplawski, Stephen J., assignor of one-half to S. M. Harbridge, Racine, Wis. Coupon-shears. No. 1,286,093; Nov. 26; v. 256; p. 784.
Popowicz, Andrew, Grand Rapids, Mich. Ship construction. No. 1,284,767; Nov. 12; v. 256; p. 372.
Poppe, Walter H., Minneapolis, Minn. Shoe-top former. No. 1,288,984; Dec. 24; v. 257; p. 780.
Popper, Isaac C., New York, N. Y. Portable cooking apparatus. No. 1,260,798; Mar. 26; v. 248; p. 926.
Popper, Isaac C., New York, N. Y. Detachable handle. No. 1,270,206; June 18; v. 251; p. 642.
Porath, Carl A., Kokomo, Ind. Wire-feeding mechanism. No. 1,258,706; Mar. 12; v. 248; p. 259.
Porath, Carl A., Kokomo, Ind. Wire-coiling mechanism. No. 1,260,799; Mar. 26; v. 248; p. 926.
Porath, Carl A., Kokomo, Ind. Wire-cutting machine. No. 1,289,259; Dec. 31; v. 257; p. 874.
Porcelain Enamel and Manufacturing Company, The. (See Türk, Heinrich, assignor.)
Porphir, Elmer, Pittsburg, Kans. Shot-firing device. No. 1,251,820; Jan. 1; v. 246; p. 115.
Porret, Armand. (See Cleman and Porret.)
Port Huron Engine and Thresher Company. (See Norris, Walter, assignor.)
Porte, Frederick L., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Tape-holder for sewing-machines. No. 1,260,039; Mar. 19; v. 248; p. 674.
Porte, Thomas J., Winnipeg Manitoba, Canada. Golf-practising device. No. 1,258,241; Mar. 5; v. 248; p. 84.
Portee, Arthur G., Charleston, Ill. Nut-lock. No. 1,254,726; Jan. 29; v. 246; p. 1063.
Portella, Silvio P., São Paulo, Brazil. Sunken-ships-emerging apparatus. No. 1,253,526; Jan. 15; v. 246; p. 669.
Porteous, Robert H., Passaic, N. J. Resilient tire. No. 1,263,700; Apr. 23; v. 249; p. 839.
Porter, Alexander W., assignor of one-half to J. W. Crouch, Kelso, Wash. Carbureter. No. 1,283,294; Oct. 29; v. 255; p. 992.
Porter, Alvin H. (See Winters and Porter.)
Porter, Arthur D., assignor to W. M. De Witt, Somerville, N. J. Spark-plug. No. 1,276,566; Aug. 20; v. 253; p. 677.
Porter, Charles W. (See Young and Porter.)
Porter, David W., Charleston, W. Va. Piston. No. 1,278,205; Sept. 10; v. 254; p. 262.
Porter, Edwin S., New York, N. Y. Arc-lamp. No. 1,272,313; July 9; v. 252; p. 472.
Porter, Ernest D., Los Angeles, Cal. Ventilating-deflator. No. 1,273,665; July 23; v. 252; p. 897.
Porter, Fannie. (See Cherrie and Porter.)
Porter, Finley R., assignor to Finley Robertson Porter Company, Inc., Port Jefferson, N. Y. Brake mechanism. No. 1,265,512; May 7; v. 250; p. 175.
Porter, Frederick E. (See Gamble, Porter, and Desrochers.)
Porter, George W., Minneapolis, Minn., and D. C. Noonan, Watertown, S. D. Knockdown molding apparatus. No. 1,276,264; Aug. 20; v. 253; p. 593.
Porter, Gordon J., Granville Summit, Pa. Road-scraper. No. 1,260,800; Mar. 26; v. 248; p. 927.
Porter, Harrison T. (See Buchanan and Porter.)
Porter, Horatio A., South Hadley Falls, Mass. Testing-cartridge. No. 1,256,255; Feb. 12; v. 247; p. 374.
Porter, Jesse R., assignor of one-half to E. Michael, Buffalo, N. Y. Cultivator-blade. No. 1,270,321; June 25; v. 251; p. 700.
Porter, John J., Omaha, Nebr. Convertible chair. No. 1,286,094; Nov. 26; v. 256; p. 784.
Porter, Maurice E. (See Victel and Porter.)
Porter, Norman J., Belfast, Ireland. Process and product of coating metal structures. No. 1,289,537; Dec. 31; v. 257; p. 943.
Porter, Will R., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Hose-pipe coupling. No. 1,267,335; May 21; v. 250; p. 740.
Porter, Willard E., Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. No. 1,262,558; Apr. 9; v. 249; p. 471.
Porter, Willard E., Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. No. 1,267,266; May 21; v. 250; p. 722.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Mantel chime-clock. No. 1,252,170; Jan. 1; v. 246; p. 213.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Non-warning chime-clock. No. 1,257,024; Feb. 19; v. 247; p. 637.
Porterfield, Ralph E., Independence, Oreg. Guard attachment for harvesters and the like. No. 1,277,257; Aug. 27; v. 253; p. 899.
Portesi, Julius, Los Angeles, Cal. Gate-latch. No. 1,260,444; Mar. 26; v. 248; p. 822.
Portland Industrial Company. (See Miller, Nils, assignor.)
Portnoy, Gdalie, Lynchburg, Va. Collar-button. No. 1,252,171; Jan. 1; v. 246; p. 213.
Porto Rican American Tobacco Company. (See Mulet, Lorenzo M., assignor.)
Poschadel, Leonard R., Milwaukee, Wis. Pneumatic tire. No. 1,269,505; June 11; v. 251; p. 420.
Poschadel, Leonard R., New York, N. Y. Dish. No. 1,272,996; July 16; v. 252; p. 691.
Poschadel, Leonard R., New York, N. Y. Toy. No. 1,284,444; Nov. 12; v. 256; p. 292.
Positive Rail Anchor Company. (See Robbins, Frank M., assignor.)
Pospesel, Andrew, Oswego, N. Y. Relief-valve. No. 1,274,775; Aug. 6; v. 253; p. 124.
Pospeshil, Joseph B., Detroit, Mich. Spring attachment for motor-vehicles. No. 1,272,520; July 16; v. 252; p. 559.
Possenti, Cinna, New York, N. Y. Automatic identification-fender for automobiles. No. 1,259,665; Mar. 19; v. 248; p. 563.
Posson, Edward, Chicago, Ill. Carrier for draw-bars. No. 1,284,140; Nov. 5; v. 256; p. 186.
Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Forming screw-threaded openings in gas-stove manifolds and the like. No. 1,264,854; Apr. 30; v. 249; p. 1190.
Post, Alfred P. (See Spielman and Post.)
Post, Clarence H., Seattle, Wash. Carton. No. 1,259,666; Mar. 19; v. 248; p. 563.
Post Dater-Stamp Co., The. (See Hoggson, Samuel H., assignor.)
Post, Gordon W. (See Huben, Gustav A., assignor.)
Post, Gustaf von, Stockholm, Sweden. Pivoting device for rotating parts in weighing apparatus and the like. No. 1,256,747; Feb. 19; v. 247; p. 554.
Post, Gustaf von, Stockholm, Sweden. Guiding device for reciprocating machine elements. No. 1,256,748; Feb. 19; v. 247; p. 554.
Post, Harold L., Appleton, Wis., assignor to The Slade & Miller Co., Chicago, Ill. Toy building-block. No. 1,281,832; Oct. 15; v. 255; p. 528.
Post, Henry B., Palo Alto, Cal. Wall construction. No. 1,284,445; Nov. 12; v. 256; p. 293.
Post, Otto T. (See Herr and Post.)
Post, Truman W., Providence, R. I., and C. B. Des Jardins, assignors to Electric Auto-Lite Corporation, Toledo, Ohio. Headlight. No. 1,267,691; May 28; v. 250; p. 867.
Post, William S. (See Thomas, William M., assignor.)
Post, Willis H., assignor to Postum Cereal Company, Battle Creek, Mich. Flaked cereal food product and making the same. No. 1,286,766; Dec. 3; v. 257; p. 139.
Postal Supply & Manufacturing Company, The. (See Fulk, George L., assignor.)
Postel, Jacob H., San Mateo, Cal. Sprinkler-head garden-tool. No. 1,264,556; Apr. 30; v. 249; p. 1110.

Postell, William P., and J. F. Heard, Jr., Macon, Ga. Fluid transmission and clutch. No. 1,261,287; Apr. 2; v. 249; p. 83.
Posten, Curtis T., Fleming, Ky. Shovel. No. 1,264,433; Apr. 30; v. 249; p. 1076.
Postle, Ethan, Linton, N. D. Automatic boiler feed mechanism. No. 1,253,095; Jan. 8; v. 246; p. 514.
Postlewaite, Homer J., Hammond, Ind. Perforating attachment for printing-presses. No. 1,282,934; Oct. 29; v. 255; p. 898.
Postolowski, John, New York, N. Y. Cigarette-case. No. 1,252,944; Jan. 8; v. 246; p. 467.
Postum Cereal Company. (See Post, Willis H., assignor.)
Potash Extraction Corporation. (See Glaeser, Walter, assignor.)
Potter, Anton, and F. A. Lohrlein, Duluth, Minn. Ironing-board. No. 1,257,114; Feb. 19; v. 247; p. 661.
Potter, Charles E., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Vehicle-brake. No. 1,281,415; Oct. 15; v. 255; p. 418.
Potter, Dorsey R., assignor to H. C. Cooper, Clarksburg, W. Va. Meter for measuring gas. No. 1,260,445; Mar. 26; v. 248; p. 822.
Potter, Dorsey R., assignor to H. G. Cooper, Clarksburg, W. Va. Meter for gas measurement. No. 1,260,575; Mar. 26; v. 248; p. 862.
Potter, Edson, Rochester, N. Y. Combined collar-button and necktie-slide. No. 1,280,084; Sept. 24; v. 254; p. 830.
Potter, Henry K., Somerville, Mass. Dump-cart. No. 1,285,368; Nov. 19; v. 256; p. 564.
Potter, Herbert T., Leonardsburg, Ohio. Sack-holder. No. 1,287,427; Dec. 10; v. 257; p. 341.
Potter, James C., Pawtucket, R. I. Turret-lathe. No. 1,268,386; June 4; v. 251; p. 90.
Potter, Thomas I., assignor to Coin Machine Manufacturing Company, Portland, Oreg. Coin-delivering machine. No. 1,252,021; Jan. 1; v. 246; p. 171.
Potter, Thomas I., assignor to Coin Machine Manufacturing Company, Portland, Oreg. Turnstile mechanism. No. 1,275,740; Aug. 13; v. 253; p. 416.
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Starting automobile-vehicles. No. 1,280,832; Oct. 8; v. 255; p. 226.
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Controlling mechanism for power-generating systems. No. 1,280,833; Oct. 8; v. 255; p. 226.
Potter, Winfield S., Pittsburgh, Pa. Ingot-mold. No. 1,278,206; Sept. 10; v. 254; p. 263.
Potter, Winfield S., Pittsburgh, Pa. Producing wrought shapes of manganese steel. No. 1,278,207; Sept. 10; v. 254; p. 263.
Potterf, Orlystis M., Larned, Kans. Electrically-heated drier for clothing. No. 1,271,613; July 9; v. 252; p. 273.
Potterf, Orlystis M., Larned, Kans. Two-piece garment. No. 1,288,673; Dec. 24; v. 257; p. 706.
Potthoff, Kurt, Brooklyn, N. Y. Combined pen-wiper and ink-bottle support. No. 1,280,541; Oct. 1; v. 255; p. 118.
Potthoff, Louis, Flushing, N. Y. Tumbling apparatus. No. 1,251,567; Jan. 1; v. 246; p. 36.
Potthoff, Louis, Flushing, N. Y. Electroplating apparatus. No. 1,251,568; Jan. 1; v. 246; p. 37.
Potthoff, Louis, Montclair, N. J., and G. W. Schweinsberg, Brooklyn, N. Y.; said Schweinsberg assignor to said Potthoff. Electroplating apparatus. No. 1,251,569; Jan. 1; v. 246; p. 37.
Potthoff, Louis, Flushing, N. Y. Electroplating apparatus. No. 1,285,369; Nov. 19; v. 256; p. 564.
Pottier, Napoleon B., Charleston, W. Va. Toy pistol. No. 1,269,854; June 18; v. 251; p. 549.
Potts, Edward C., Richmond, Va. Hand-stamp. No. 1,284,446; Nov. 12; v. 256; p. 293.
Potts, Elijah W., assignor of one-half to J. A. Zahn, Detroit, Mich. Power-transmission mechanism. No. 1,285,370; Nov. 19; v. 256; p. 564.
Potts, Fisher R., Bolckow, Mo. Automobile power-pulley. No. 1,280,834; Oct. 8; v. 255; p. 227.
Potts, Fred E. (See Stine, Ardon M., assignor.)
Potts, Jefferson D., St. Louis, Mo. Non-pinching attachment for lasts. No. 1,283,295; Oct. 29; v. 255; p. 992.
Potts, Louis M., assignor to A. McLanahan, Baltimore, Md. Transmitting apparatus for electric telegraphs and the like. No. 1,258,809; Mar. 12; v. 248; p. 288.
Potts, Oscar C., Unionville, Mo. Trailer-truck. No. 1,255,222; Feb. 5; v. 247; p. 30.
Potts, William F. (See Stroeh, Potts, and Trimby.)
Potuto, Vito, *et al.* (See Bertolini and Cappelletti, assignors.)
Potuzak, Mathias, New York, N. Y. Holder for shank-buttons. No. 1,257,391; Feb. 26; v. 247; p. 777.
Poudrier, Alfred, Slaterville, R. I., assignor of one-half to A. C. Devere, Millville, Mass. Ordnance. No. 1,276,689; Aug. 20; v. 253; p. 711.
Poulalion, Francis N., Des Moines, Iowa, assignor to H. S. Magel, Omaha, Nebr. Deglutitory cup. No. 1,275,467; Aug. 13; v. 253; p. 340.
Poulalion, Paul A. (See Schweimber and Poulalion.)
Poulson, Andrew, Widnes, England. Bleaching, scouring, and decorticating fabrics or fibrous matter. No. 1,254,727; Jan. 29; v. 246; p. 1064.
Poulson, Robert, Hutchinson, Minn. Pail-cover attachment. No. 1,271,756; July 9; v. 252; p. 313.
Poulston, Arthur E., Ravenna, Ohio. Joint for concrete structures. No. 1,279,431; Sept. 17; v. 254; p. 622.
Poulter, Micajah L., Mount Pleasant, Iowa. Ditch-digger. No. 1,284,447; Nov. 12; v. 256; p. 293.
Powanda, Joseph, Ansonia, Conn. Machine for coating with metal. No. 1,289,260; Dec. 31; v. 257; p. 874.
Powdered Coal Engineering & Equipment Company. (See Kinyon, Alonzo G., assignor.)
Powdered Coal Engineering & Equipment Company. (See Kinyon and Jacobs, assignors.)
Powell, Absalom E., Lapeer, Mich. Fuel-intake heater for engines. No. 1,260,040; Mar. 19; v. 248; p. 675.
Powell, Alfred H., American Fork, Utah. Fruit slicer and corer. No. 1,271,218; July 2; v. 252; p. 132.
Powell, Alfred S., New York, N. Y. Semi-indirect-lighting device. No. 1,254,728; Jan. 29; v. 246; p. 1064.
Powell, Alfred S., New York, N. Y. Device for ornamenting shades or reflectors. No. 1,254,729; Jan. 29; v. 246; p. 1064.
Powell, Burke, Albia, Iowa. Fish-hook. No. 1,286,095; Nov. 26; v. 256; p. 784.
Powell, George C., assignor to Edwards & Powell Co., Chicago, Ill. Level. No. 1,286,767; Dec. 3; v. 257; p. 139.
Powell, George D., Detroit, Tex. Agricultural implement. No. 1,279,432; Sept. 17; v. 254; p. 622.
Powell, Guy M., Kellerman, Ala. Miner's check-protector. No. 1,279,155; Sept. 17; v. 254; p. 547.
Powell, H. R. (See Ashmore and Morgan, assignors.)
Powell, Harold G., Omaha, Nebr. Collapsible top for vehicles. No. 1,273,090; July 16; v. 252; p. 715.
Powell, Harry W., Paton, Iowa. Colter-oiler. No. 1,275,597; Aug. 13; v. 253; p. 375.
Powell, James, administrator. (See Field, Jesse A.)
Powell, James R., assignor of one-half to C. T. Grinstead, Glasgow, Ky. Photographic-printing device. No. 1,268,609; June 4; v. 251; p. 154.
Powell, Leopold, New York, N. Y. Cigar-box. No. 1,276,409; Aug. 20; v. 253; p. 635.
Powell Manufacturing Company. (See Loftsgaarden, Albert T., assignor.)
Powell, Reginald L., Cawnpore, India. Railway-signal midway wire-compensator. No. 1,272,314; July 9; v. 252; p. 473.
Powell, Ryonal L., Cleveland, Mont. Post-lifter. No. 1,260,041; Mar. 19; v. 248; p. 675.
Powell, Russell C., and O. R. Faith, New Kensington, Pa. Traction-signal for automobiles. No. 1,285,371; Nov. 19; v. 256; p. 565.
Powell, Walter B., Washington, D. C. Combined micrometer height-gage and indicator. No. 1,272,997; July 16; v. 252; p. 691.
Powell, William A., Trafford, Pa. Fluid-motor. No. 1,284,768; Nov. 12; v. 256; p. 373.
Powell, William L., Roanoke, Va. Securing device for bed-covers. No. 1,264,855; Apr. 30; v. 249; p. 1190.
Powell, Winfred T., assignor to Automatic Electric Company, Chicago, Ill. Party-line telephone system. No. 1,267,113; May 21; v. 250; p. 680.
Powell, Zebulon R. (See Morrisey, Richard A., assignor.)
Power Developing Company, The. (See Hollingshead, Edgar L., assignor.)
Power, E. B., *et al.* (See McDonald and Harris, assignors.)
Power, George S., Nutley, N. J. Fluid-moved valve. No. 1,264,856; Apr. 30; v. 249; p. 1190.
Power Glue Manufacturing Company. (See Putsch, Henry, assignor.)
Power, James A. G., Needles, Cal. Toilet-seat cover. No. 1,278,381; Sept. 10; v. 254; p. 310.
Power, James T., Springfield, Ill. Swing-spout compression-faucet. No. 1,269,213; June 11; v. 251; p. 341.
Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Motion-picture-projecting machine. No. 1,255,336; Feb. 5; v. 247; p. 64.
Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Tension device for moving-picture machines. No. 1,270,866; July 2; v. 252; p. 32.
Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Supporting-frame for motion-picture machines. No. 1,273,921; July 30; v. 252; p. 1004.
Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Tension device for film-reels. No. 1,284,448; Nov. 12; v. 256; p. 293.
Power Specialty Company. (See Foster, Ernest H., assignor.)
Power Specialty Company. (See Foster, Pell W., assignor.)
Power Specialty Company. (See Keenan and Thomas, assignors.)
Power Specialty Company. (See Keenan, Walter F., Jr., assignor.)
Power Washing Machine Co. (See Altorfer, Alpheus W., assignor.)

Power y Zabala, Jose, West Ferry, Dundee, Scotland. Machine for sewing hemp soles. No. 1,253,762; Jan. 15; v. 246; p. 738.
Powers Accounting Machine Company. (See Lasker, William W., assignor.)
Powers Accounting Machine Company. (See Powers, James, assignor.)
Powers Accounting Machine Company. (See Foster, Charles, assignor.)
Powers Accounting Machine Company. (See Williams, Robert N., assignor.)
Powers, Charles C., Williams, Ariz. Electrical heater. No. 1,273,666; July 23; v. 252; p. 897.
Powers, Donald J., Dobbs Ferry, N. Y., assignor to The Powers Regulator Company, Chicago, Ill. Time-governed regulator. No. 1,286,096; Nov. 26; v. 256; p. 784.
Powers, Elijah, Boonville, Ind. Soil-pulverizer. No. 1,262,253; Apr. 9; v. 249; p. 385.
Powers, Frank B., Springfield, Mass. Banding apparatus for envelops. No. 1,261,612; Apr. 2; v. 249; p. 175.
Powers, Frank T., assignor to Powers Photo Engraving Company, New York, N. Y. Making photomechanical color-printing plates. No. 1,272,521; July 16; v. 252; p. 555.
Powers, Fred W., Chicago, Ill. Heat-indicating device. No. 1,274,326; July 30; v. 252; p. 1115.
Powers, George A., assignor of one-half to The Butler Company, Butler, Ind. Ratchet force-pump. No. 1,252,718; Jan. 8; v. 246; p. 403.
Powers, George G., assignor to Union Wire Mattress Company, Chicago, Ill. Bed-spring construction. No. 1,273,181; July 23; v. 252; p. 767.
Powers, George M., Cincinnati, Ohio. Truss-pad. No. 1,284,769; Nov. 12; v. 256; p. 373.
Powers, George W. (See Weir and Powers.)
Powers, Harry W., Northwest, Va. Connector. No. 1,267,450; May 28; v. 250; p. 799.
Powers, Isaac, Terre Haute, Ind. Smoke-generator for smoking meats. No. 1,273,535; July 23; v. 252; p. 860.
Powers, James, New York, N. Y. Apparatus for conveying the speech of performers simultaneously and synchronously with the displaying of pictures. No. 1,280,542; Oct. 1; v. 255; p. 119.
Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Combined type-writer and perforating machine. No. 1,271,614; July 9; v. 252; p. 273.
Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Twelve-key hand-punch. No. 1,272,089; July 9; v. 252; p. 409.
Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Auxiliary card-feed. No. 1,282,626; Oct. 22; v. 255; p. 783.
Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Card-feed for statistical card-accounting machinery. No. 1,289,538; Dec. 31; v. 257; p. 943.
Powers, James H., Evansville, Ind. Lamp. No. 1,272,315; July 9; v. 252; p. 473.
Powers, James H., Saratoga Springs, N. Y. Tool for removing wall-paper. No. 1,264,973; May 7; v. 250; p. 28.
Powers Photo Engraving Company. (See Powers, Frank T., assignor.)
Powers, Ralph H., Port Huron, Mich. Automatic screen for windows. No. 1,263,285; Apr. 16; v. 249; p. 764.
Powers Regulator Company, The. (See Powers, Donald J., assignor.)
Powers, Timothy B., New York, N. Y. Multiple-stamp device. No. 1,289,539; Dec. 31; v. 257; p. 943.
Powlin, Theodore, West Martinsburg, N. Y. Rail-joint connector. No. 1,282,935; Oct. 29; v. 255; p. 897.
Poyet, Jean A., Lyon, France. Motor. No. 1,273,667; July 23; v. 252; p. 897.
Pradier, Enogat C., Detroit, Mich., assignor to Société Anonyme du Carburateur, Zenith, Lyon, France. Carbureter. No. 1,251,570; Jan. 1; v. 246; p. 37.
Prager, Victor. (See Warner, Edward D., assignor.)
Prall, Nathan C., Carlisle, Iowa. Cultivator attachment. No. 1,251,821; Jan. 1; v. 246; p. 116.
Prance, Albert J., assignor to Murchey Machine and Tool Company, Detroit, Mich. Screw-cutting die. No. 1,255,223; Feb. 5; v. 247; p. 31.
Prange, Herman C., Crocketts Bluff, Ark., and F. D. Smith, Jackson, Mo. Device for stretching coon-skins. No. 1,268,610; June 4; v. 251; p. 154.
Pranke, August, North Detroit, Mich. Vegetable-washing machine. No. 1,273,268; July 23; v. 252; p. 789.
Pratley, Harry H., Kansas City, Mo. Sound-producing device. No. 1,251,918; Jan. 1; v. 246; p. 141.
Pratt, Alvaro A., Los Angeles, Cal. Flood control. No. 1,268,770; June 4; v. 251; p. 198.
Pratt, Arthur D., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,267,114; May 21; v. 250; p. 680.
Pratt, Arthur D., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,274,327; July 30; v. 252; p. 1116.
Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Brake mechanism for storage-battery locomotives. No. 1,256,592; Feb. 19; v. 247; p. 509.
Pratt, Clarence E., Dallas, Tex. Engine. No. 1,286,189; Nov. 26; v. 256; p. 808.
Pratt, Corlena M., *et al.* (See Pratt, Elmer C., assignor.)
Pratt & Cady Company. (See Reyburn, John R., assignor.)
Pratt, Dorothea C., Summit, N. J. Abdominal supporter. No. 1,276,410; Aug. 20; v. 253; p. 635.
Pratt, Duane C., Edgerton, Wis. Lock-nut. No. 1,268,149; June 4; v. 251; p. 23.
Pratt, Edward, assignor of one-third to C. Lentz and one-third to O. J. Albers, Chehalis, Wash. Ball-bearing block. No. 1,266,855; May 21; v. 250; p. 607.
Pratt, Elmer C., assignor of one-third to C. M. Pratt, Mount Dome, and one-third to A. B. Jensen, Barstow, Cal. Combined ore and rock crusher and pulverizer. No. 1,262,091; Apr. 9; v. 249; p. 339.
Pratt Engineering & Machine Company. (See Hurt, George F., assignor.)
Pratt, George A., Cooperstown, N. D. End-gate for wagons. No. 1,280,543; Oct. 1; v. 255; p. 119.
Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Mechanism for cutting ice into blocks. No. 1,257,738; Feb. 26; v. 247; p. 881.
Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Scraper. No. 1,266,153; May 14; v. 250; p. 384.
Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Machine for cleaning railway-ballast. No. 1,272,849; July 16; v. 252; p. 650.
Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Loader. No. 1,287,094; Dec. 10; v. 257; p. 259.
Pratt, James R., Denison, Tex. Arc-lamp attachment. No. 1,261,613; Apr. 2; v. 249; p. 175.
Pratt, John J., assignor of one-half to E. Muddyman, Jr., Birmingham, England. Lock-nut. No. 1,261,288; Apr. 2; v. 249; p. 84.
Pratt, Martha B., Albany, N. Y. Can. No. 1,252,494; Jan. 8; v. 246; p. 339.
Pratt, Paul, Hackensack, N. J. Stenographer's note-book holder. No. 1,271,219; July 2; v. 252; p. 133.
Pratt, Robert G., Worcester, Mass. Headless quill for yarn-winders and making same. No. 1,285,372; Nov. 19; v. 256; p. 565.
Pratt, Robert L., Glenflora, Tex. Valve. No. 1,288,674; Dec. 24; v. 257; p. 707.
Pratt, Walter M., Detroit, Mich. Insert for concrete construction. No. 1,281,416; Oct. 15; v. 255; p. 418.
Pratt & Whitney Company. (See Hanson, Bengt M. W., assignor.)
Pratt & Whitney Company. (See Müller, Friederich, assignor.)
Pratt, William. (See Gouldbourn and Pratt.)
Pratt, Wilson, Salt Lake City, Utah. Beet-harvester. No. 1,271,076; July 2; v. 252; p. 91.
Pratt, Wilson, Salt Lake City, Utah. Beet-harvester. No. 1,287,428; Dec. 10; v. 257; p. 342.
Pratte, Charles A., assignor of one-half to C. J. Crewes, Denver, Colo. Vacuum-sander. No. 1,263,106; Apr. 16; v. 249; p. 657.
Prattinger, Alexander J., New York, N. Y. Line-clutch. No. 1,273,922; July 30; v. 252; p. 1004.
Prawat, Stanley, South Bend, Ind. Surprise or joke toy. No. 1,265,379; May 7; v. 250; p. 139.
Preatka, Joseph, New York, N. Y. Flying-machine. No. 1,266,986; May 21; v. 250; p. 644.
Preble, Edwin N., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Stamping-machine. No. 1,269,642; June 18; v. 251; p. 490.
Preda, John G., Hurley, Wis. Planter. No. 1,267,115; May 21; v. 250; p. 681.
Prefontaine, Harry F., Brooklyn, N. Y. Shutter-operating attachment for cameras. No. 1,262,388; Apr. 9; v. 249; p. 424.
Pregenzer, Joseph M., Chicago, Ill. X-ray tube. No. 1,253,721; Jan. 15; v. 246; p. 726.
Preifert, Frederick C., and F. Schulz, Beaver Crossing, Nebr. Automobile-jack. No. 1,254,352; Jan. 22; v. 246; p. 925.
Preifert, Frederick C., and F. Schulz, Beaver Crossing, Nebr. Automatic jack. No. 1,266,987; May 21; v. 250; p. 644.
Preisssner, Leo B., Hartford, Conn. Carpenter's chalk-line. No. 1,274,776; Aug. 6; v. 253; p. 124.
Premier Machinery Company. (See Balwick, Louis H., assignor.)
Premier Printing Machinery Co. (See Kaddeland, Christen R., assignor.)
Premru, Ivan, South Norwalk, Conn. Mechanical hand-fan. No. 1,251,571; Jan. 1; v. 246; p. 38.
Premysl, Jaroslav, Milwaukee, Wis. Folding chair. No. 1,258,045; Mar. 5; v. 248; p. 28.
Prendergast, Edward, St. Louis, Mo. Grading-machine. No. 1,278,382; Sept. 10; v. 254; p. 310.
Prendergast, James, Syracuse, N. Y. Puzzle. No. 1,251,822; Jan. 1; v. 246; p. 116.

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Prendergast, James H. (See Monroe, Henry A., assignor.)
Prentice, Rudolph B., Fall River, Mass. Mechanical movement. No. 1,263,465; Apr. 23; v. 249; p. 776.
Prentiss, William A., assignor to George W. Prentiss & Company, trustees, Holyoke, Mass. Spool device. No. 1,265,110; May 7; v. 250; p. 67.
Prenzel, Adam H., Halifax, Pa., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe. No. 1,278,503; Sept. 10; v. 254; p. 342.
Prepayment Car Sales Company. (See Paul and Tanner, assignors.)
Presament, Jack, and A. Provisor, Winnipeg, Manitoba, Canada. Collapsible boat. No. 1,289,906; Dec. 31; v. 257; p. 1033.
Presbrey, Otis F. (See Cooper and Presbrey.)
Prescott, Arthur T. (See Ogden and Prescott.)
Prescott, Arthur T. (See Tomkinson and Prescott.)
Prescott, Arthur T., East Orange, N. J., assignor to George H. Frothingham Company, New York, N. Y. Door and operating mechanism therefor. No. 1,273,923; July 30; v. 252; p. 1004.
Prescott, Arthur T., East Orange, N. J., assignor to George H. Frothingham Company, New York, N. Y. Door. No. 1,274,443; Aug. 6; v. 253; p. 29.
Prescott, Charles F., Brooklyn, N. Y., and H. R. Stafford, Plainfield, N. J. Operating-valve for compound engines. No. 1,279,433; Sept. 17; v. 254; p. 622.
Prescott, Eugene L. (See Prescott, Lester E. and E. L.)
Prescott, Ford L., Elmira, N. Y. Variable-cut-off valve mechanism. No. 1,266,046; May 14; v. 250; p. 354.
Prescott, Lester E. and E. L., South Tacoma, Wash. Automobile-signal. No. 1,269,214; June 11; v. 251; p. 342.
Prescott, Samuel C. (See Wallace and Prescott.)
Prescott, Sydney I., New York, N. Y. Internal-combustion engine. No. 1,274,777; Aug. 6; v. 253; p. 124.
Prescott, Sydney I., New York, N. Y. Clutch. No. 1,274,778; Aug. 6; v. 253; p. 124.
Prescott, Sydney I., New York, N. Y. Device for destroying submarines. No. 1,287,743; Dec. 17; v. 257; p. 451.
Prescott, Sydney I., New York, N. Y. Mobile subsurface mine-field. No. 1,287,744; Dec. 17; v. 257; p. 452.
Prescott, Sydney I., assignor to American Machine & Foundry Company, New York, N. Y. Cigarette-machine feed. No. 1,287,745; Dec. 17; v. 257; p. 452.
Prescott, Walter A. (See Kellington and Prescott.)
Pressed Metal Radiator Company. (See Sonneborn, Charles, assignor.)
Pressed Steel Car Company. (See Blest, Minot C., assignor.)
Pressed Steel Car Company. (See Koch and Pehrson, assignors.)
Pressed Steel Car Company. (See Lockwood, Burns D., assignor.)
Pressed Steel Car Company. (See Lindström, Charles A., assignor.)
Pressed Steel Car Company. (See Pehrson, Alfred K., assignor.)
Pressell, George W., assignor to E. F. Houghton & Co., Philadelphia, Pa. Cementation compound and making same. No. 1,269,957; June 18; v. 251; p. 576.
Pressloid Company, The. (See Schreurs and Metz, assignors.)
Preston, Agnes A., Brooklyn, N. Y. Suspension device for umbrellas and the like. No. 1,270,207; June 18; v. 251; p. 643.
Preston, Albert F., Boston, Mass. Binding-forming machine. No. 1,262,092; Apr. 9; v. 249; p. 339.
Preston, Alston L., Leominster, Mass. Bow-holder. No. 1,262,093; Apr. 9; v. 249; p. 340.
Preston, Ben H., Monroe, Wis. Measuring instrument. No. 1,253,096; Jan. 8; v. 246; p. 515.
Preston, Edward, assignor of one-fourth to J. T. Montgomery, one-fourth to J. Chasnoff, one-twelfth to W. Mindell, and one-sixth to C. Wilkerson, Sedalia, Mo. Grinder. No. 1,269,506; June 11; v. 251; p. 420.
Preston, Edward S., Chicago, Ill. Dashboard lamp-socket. No. 1,265,513; May 7; v. 250; p. 175.
Preston, Flora A., Kirksville, Mo. Multiple culinary knife. No. 1,280,835; Oct. 8; v. 255; p. 227.
Preston, Frederick A., Highland Park, assignor to The Madden Company, Chicago, Ill. Track-clamp. No. 1,254,847; Jan. 29; v. 246; p. 1101.
Preston, Frederick A., Highland Park, assignor to P. & M. Company, Chicago, Ill. Anticreeper. No. 1,268,996; June 11; v. 251; p. 280.
Preston, Neil D., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Signaling system for single-track railway. No. 1,277,643; Sept. 3; v. 254; p. 87.
Prestwich, Frank M., New York, N. Y. Cuff. No. 1,276,956; Aug. 27; v. 253; p. 819.
Prestwich, John A., Tottenham, London, England. Indicator for gaging instruments. No. 1,266,313; May 14; v. 250; p. 427.
Prestwich, Sydney, and A. J. Speller, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Curtain-drier. No. 1,285,373; Nov. 19; v. 256; p. 565.
Prettie, Richard J. (See Young and Prettie.)
Prettie, Richard J., Jamaica, N. Y., assignor to The Aeolian Company. Sound-box. No. 1,253,527; Jan. 15; v. 246; p. 670.
Prettie, Richard J., Jamaica, N. Y., assignor to The Aeolian Company. Automatic record-repeating means for phonographs and the like. No. 1,255,117; Jan. 29; v. 247; p. 1175.
Prettie, Richard J., Jamaica, N. Y., assignor to The Aeolian Company. Sound-box. No. 1,263,466; Apr. 23; v. 249; p. 777.
Prettie, Richard J., Jamaica, N. Y., assignor to The Aeolian Company. Lid-prop. No. 1,267,451; May 28; v. 250; p. 800.
Pribil, Alexis R., Detroit, Mich., assignor to G. W. Bowen, Auburn, N. Y. Lubricating device. No. 1,259,044; Mar. 12; v. 248; p. 358.
Pribil, Alexis R., Detroit, Mich., assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Forming grease-cups. No. 1,265,954; May 14; v. 250; p. 328.
Pribil, Alexis R., Wilkinsburg, Pa. Connecting-rod. No. 1,276,109; Aug. 20; v. 253; p. 551.
Pribil, Alexis R., Detroit, Mich., assignor to G. W. Bowen, Auburn, N. Y. Shock-absorber. No. 1,280,295; Oct. 1; v. 255; p. 51.
Pribil, Alexis R., Cleveland, Ohio. Connecting-rod. No. 1,282,286; Oct. 22; v. 255; p. 691.
Pribil, Alexis R., Wilkinsburg, Pa. Piston. No. 1,282,936; Oct. 29; v. 255; p. 897.
Pribnow, John F., Mellen, Wis., assignor to E. C. Atkins & Company, Indianapolis, Ind. Saw-swage. No. 1,284,141; Nov. 5; v. 256; p. 186.
Pribnow, John F., Mellen, and N. W. Soderin, Sheboygan, Wis., assignors to E. C. Atkins & Company, Indianapolis, Ind. Swage-shaper. No. 1,279,156; Sept. 17; v. 254; p. 547.
Pribyl, Francis, Wilmette, Ill. Coking apparatus. No. 1,279,757; Sept. 24; v. 254; p. 737.
Price, Charles. (See Martin and Price.)
Price, Charles P., assignor to American Tar Company, Malden, Mass. Still for crude bituminous materials. No. 1,273,091; July 16; v. 252; p. 716.
Price, Charles S., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical protective apparatus. No. 1,251,572; Jan. 1; v. 246; p. 38.
Price, Charles S., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Fuse. No. 1,270,867; July 2; v. 252; p. 33.
Price, Charles S., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. No. 1,276,567; Aug. 20; v. 253; p. 678.
Price, Claude E., Highland Park, Mich. Radiator-cover. No. 1,288,183; Dec. 17; v. 257; p. 560.
Price, Edmund J., Montague, Cal. Air-intake regulator. No. 1,271,359; July 2; v. 252; p. 170.
Price, Frederick, Stechford, Birmingham, assignor of one-half to C. Birch, Walsall, England. Turret tool-holder for lathes. No. 1,265,815; May 14; v. 250; p. 288.
Price, Frederick, Stechford, Birmingham, assignor of one-half to C. Birch, Walsall, England. Chasing-lathe. No. 1,282,461; Oct. 22; v. 255; p. 738.
Price, Harry, Boston, Mass. Oil vaporizer and burner. No. 1,252,301; Jan. 1; v. 246; p. 248.
Price, Howard W. (See Meriam and Price.)
Price, Jessie E., Los Angeles, Cal. Shoe-heel. No. 1,269,958; June 18; v. 251; p. 576.
Price, John W., Flint, Ala. Wagon-hub. No. 1,264,434; Apr. 30; v. 249; p. 1076.
Price, Lenora, Davenport, Okla. Doll. No. 1,274,328; July 30; v. 252; p. 1116.
Price, Lloyd W., Alvado, Ohio. Mail-bag catching and delivering device. No. 1,265,111; May 7; v. 250; p. 67.
Price, Louis, Brooklyn, N. Y. Extension-leg for compasses. No. 1,275,741; Aug. 13; v. 253; p. 417.
Price, Oscar S. (See Hunt and Price.)
Price, Raymond B. (See Fisher and Price.)
Price, Raymond B., New York, N. Y., and C. Lee, Naugatuck, Conn., assignors to The Goodyear Metallic Rubber Shoe Company. Ventilated boot or shoe. No. 1,260,942; Mar. 26; v. 248; p. 965.
Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Treatment of tires. No. 1,276,411; Aug. 20; v. 253; p. 635.
Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Treatment of materials and articles produced thereby. No. 1,287,095; Dec. 10; v. 257; p. 259.
Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Making rubber bags, bottles, and the like. No. 1,287,429; Dec. 10; v. 257; p. 342.
Price, Robert P., Butte, Mont. Switch-closer. No. 1,282,937; Oct. 29; v. 255; p. 897.
Price & Teeple Piano Company. (See Freborg, Charles, assignor.)
Price, Thomas J., Danville, Ky. Hemp-brake. No. 1,280,085; Sept. 24; v. 254; p. 830.
Price, William G., North Yakima, Wash. Fruit-sizing machine. No. 1,288,184; Dec. 17; v. 257; p. 561.
Price, Willie S., Thomasville, Ga. Window-screen. No. 1,251,823; Jan. 1; v. 246; p. 116.

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Prichard, George L., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Process of distillation and apparatus therefor. No. 1,264,435; Apr. 30; v. 249; p. 1076.
Prichard, Rees, Detroit, Mich. Portable frame for mosquito-bars. No. 1,279,434; Sept. 17; v. 254; p. 622.
Prichard, William M., Cooledge, Tex. Attachment for huller-gins. No. 1,273,182; July 23; v. 252; p. 767.
Pridham, Edwin S., and P. L. Jensen, Napa, assignors to Commercial Wireless & Development Co., San Francisco, Cal. Amplifying-receiver. No. 1,266,988; May 21; v. 250; p. 645.
Pridham, Edwin S., assignor to Commercial Wireless & Development Co., San Francisco, Cal. Telegraphic sending-circuit. No. 1,276,412; Aug. 20; v. 253; p. 636.
Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,253,186; Jan. 8; v. 246; p. 541.
Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,253,187; Jan. 8; v. 246; p. 541.
Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,282,938; Oct. 29; v. 255; p. 897.
Priebe, Herman C., Chicago, Ill. Draft-gear. No. 1,282,939; Oct. 29; v. 255; p. 898.
Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,282,940; Oct. 29; v. 255; p. 898.
Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,282,941; Oct. 29; v. 255; p. 898.
Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,282,942; Oct. 29; v. 255; p. 898.
Priebe, Herman C., Blue Island, Ill. Friction draft-gear. No. 1,282,943; Oct. 29; v. 255; p. 899.
Priel, Martin W., Spokane, Wash. Antiskid device. No. 1,253,722; Jan. 15; v. 246; p. 726.
Priesnitz, Joseph, Olmitz, Kans. Planter. No. 1,282,126; Oct. 22; v. 255; p. 649.
Priest, Clarence S. (See Flavell and Priest.)
Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Torpedo. No. 1,273,668; July 23; v. 252; p. 897.
Priest, George W., Newton, Mass. Drying varnished surfaces. No. 1,262,977; Apr. 16; v. 249; p. 618.
Priest, Leslie R., Oakland, Cal. Gas-engine piston. No. 1,254,353; Jan. 22; v. 246; p. 926.
Priester, Philip G., Catonsville, Md. Alarm-bell. No. 1,251,919; Jan. 1; v. 246; p. 142.
Prifold, George, Linwood, assignor to The Congoleum Company, Philadelphia, Pa. Printing fabrics. No. 1,255,049; Jan. 29; v. 246; p. 1156.
Prifold, George, Linwood, assignor to The Congoleum Company, Philadelphia, Pa. Manufacturing printed rugs. No. 1,273,536; July 23; v. 252; p. 861.
Prifold, George, Linwood, assignor to The Congoleum Company, Philadelphia, Pa. Machine for printing fabrics. No. 1,276,413; Aug. 20; v. 253; p. 636.
Prime, Orton L., Milwaukee, Wis. Composite metal plug. No. 1,266,989; May 21; v. 250; p. 645.
Prime, Daniel N., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Skiving and folding machine. No. 1,281,654; Oct. 15; v. 255; p. 479.
Primolite Company. (See Cassady, Ulysses G., assignor.)
Primrose, Oliver F., Cincinnati, Ohio. Ice-cream freezer. No. 1,266,047; May 14; v. 250; p. 354.
Prims, Joseph C., Hornell, N. Y. Leather-cutting machine. No. 1,252,172; Jan. 1; v. 246; p. 213.
Prince, John. (See Nilson and Prince.)
Prince, Louis A., Sumter, S. C. Fender-brace. No. 1,267,589; May 28; v. 250; p. 838.
Prince, Robert E. (See Teesdale and Prince.)
Princeton Knitting Mills. (See Heber, William R., assignor.)
Prindle, Edward J., East Orange, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-last. No. 1,261,436; Apr. 2; v. 249; p. 126.
Prindle, Edwin J., East Orange, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-last. No. 1,284,450; Nov. 12; v. 256; p. 294.
Prindle, Frank P., assignor to The Stanley Works, New Britain, Conn. Corrugated fastener. No. 1,262,839; Apr. 16; v. 249; p. 579.
Pringle, John H., Sac City, Iowa. Stove-magazine. No. 1,269,959; June 18; v. 251; p. 576.
Pringle, William T., Wyncote, Pa. Electric switch. No. 1,252,838; Jan. 8; v. 246; p. 436.
Printing Ink Compound Co. (See Rackle, Charles H., assignor.)
Printy, John E., Tucson, Ariz. Brake-shoe. No. 1,284,142; Nov. 5; v. 256; p. 186.
Printz, Daniel F., assignor to American Skate & Manufacturing Company, Reading, Pa. Skate-roller. No. 1,274,078; July 30; v. 252; p. 1047.
Prinz, Alfred, Schwiebus, Germany. Potato-separator. No. 1,267,692; May 28; v. 250; p. 867.
Prior, Albert G., Newark, N. J. Gumming-machine. No. 1,260,446; Mar. 26; v. 248; p. 823.
Prior, Charles E., and R. J. Taylor, Baldwinsville, N. Y. Indicator. No. 1,260,576; Mar. 26; v. 248; p. 862.
Prior, Fred, Des Moines, Iowa. Beet-harvesting machine. No. 1,281,066; Oct. 8; v. 255; p. 288.
Prior, Fred, Des Moines, Iowa. Beet-harvesting machine. No. 1,284,449; Nov. 12; v. 256; p. 294.
Prior, Jed W., assignor of one-half to W. E. Prior, Burlington, Vt. Valve-manipulator for radiators. No. 1,288,985; Dec. 24; v. 257; p. 781.
Prior, William E. (See Prior, Jed W., assignor.)
Prisk, William E., and H. R. Harrison, Halifax, Nova Scotia, Canada. Purifying barium sulfid. No. 1,256,593; Feb. 19; v. 247; p. 509.
Priskey, John, Detroit, Mich. Method and apparatus for deodorizing cream. No. 1,286,404; Dec. 3; v. 257; p. 54.
Pritchard, Albert R., New York, N. Y. Container or tin-plate box. No. 1,281,067; Oct. 8; v. 255; p. 288.
Pritchard, Albert R., New York, N. Y. Convertible freight-car. No. 1,283,890; Nov. 5; v. 256; p. 120.
Pritchard, John E., assignor of one-half to T. Rock, New York, N. Y. Power ramming-machine. No. 1,275,742; Aug. 13; v. 253; p. 417.
Pritchard, John J., Birmingham, England. Inflated apparatus for preventing drowning and assisting swimming. No. 1,252,173; Jan. 1; v. 246; p. 213.
Pritchard, Johnnie F., Elizabeth City, N. C. Pea and bean separator. No. 1,257,115; Feb. 19; v. 247; p. 661.
Pritchard Frederick J. (See Clark and Pritchard.)
Pritchard, George E., Elizabeth City, N. C. Pea and bean separator. No. 1,262,559; Apr. 9; v. 249; p. 471.
Pritchard, Thomas B., Seattle, Wash. Rain-shield for automobiles. No. 1,260,577; Mar. 26; v. 248; p. 862.
Pritchard, Thomas T., Hyattsville, Wyo. Shelf. No. 1,284,770; Nov. 12; v. 256; p. 373.
Pritchett, H. L., *et al.* (See Lyle, Jesse, assignor.)
Pritchett, Rufus H. (See Schoch and Pritchett.)
Prittie, Robert W., Toronto, Ontario, Canada. Composition of matter. No. 1,273,669; July 23; v. 252; p. 897.
Pritzel, Adolph, Stillwater, Minn. Ironing-table. No. 1,267,267; May 21; v. 250; p. 722.
Prizma, Incorporated. (See Kelley, William V. D., assignor.)
Prizma Incorporated. (See Raleigh and Kelley, assignors.)
Prizma Incorporated. (See Wohl and Mayer, assignors.)
Probasco, Paul F., Kansas City, Mo. Piston-ring. No. 1,271,077; July 2; v. 252; p. 91.
Probst, George W., Lock Haven, Pa. Cooking utensil. No. 1,275,598; Aug. 13; v. 253; p. 375.
Probst, Harry W., Sunman, Ind. Plate-lifter. No. 1,264,680; Apr. 30; v. 249; p. 1144.
Process Company, The. (See Coast, John W., Jr., assignor.)
Process Company, The. (See Cosden and Coast, assignors.)
Process Engineering Company, The. (See Wedge, Utley, assignor.)
Prochazka, John J., Chicago, Ill. Boiler and furnace ash-pan. No. 1,277,751; Sept. 3; v. 254; p. 117.
Procter and Gamble Company, The. (See Dewar and Liebmann, assignors.)
Procter, Joseph H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coin-receptacle. No. 1,258,046; Mar. 5; v. 248; p. 28.
Proctor, Alfred W., deceased, Brooklyn, N. Y., G. H. Proctor, administratrix, assignor, by mesne assignments, to F. A. Shea, Boston, Mass. Transmission mechanism. No. 1,258,143; Mar. 5; v. 248; p. 56.
Proctor, Charles M., Detroit, Mich. Signaling device. No. 1,285,374; Nov. 19; v. 256; p. 565.
Proctor, Georgietta H., administratrix. (See Proctor, Alfred W.)
Proctor, Olin S., New York, N. Y. Cable-clamp. No. 1,269,507; June 11; v. 251; p. 421.
Proctor, Olin S., Trenton, N. J. Clamping device. No. 1,288,986; Dec. 24; v. 257; p. 781.
Proctor, Peter H. (See Morgan, William H., assignor.)
Proctor, Walter S., Candler, N. C. Shaving-brush. No. 1,252,719; Jan. 8; v. 246; p. 404.
Procunier, Henry E., Chicago, Ill. Lamp holder and adjuster. No. 1,254,068; Jan. 22; v. 246; p. 844.
Producers Oil Company. (See Scott, Clarence N., assignor.)
Producers Supply Company. (See Sheasley, Charles H., assignor.)
Production Meter Company. (See Johnson, Austin C., assignor.)
Progress, Motoren- und Apparatenbau G. m. b. H. (See Aron and Keppel, assignors.)
Progress Press Brick & Machine Company. (See Stocke and Merrell, assignors.)
Progressive Manufacturing Company, The. (See Chase, Frank S., assignor.)
Prohl, Frank C., Milwaukee, Wis. Turbine. No. 1,266,154; May 14; v. 250; p. 384.
Projectile Protector Company. (See Schirra, Julius, assignor.)
Prokop, Prokop J., New York, N. Y. Reverse-winder for films. No. 1,285,375; Nov. 19; v. 256; p. 565.
Prometheus Electric Company, The. (See Barta, Otto, assignor.)
Prometheus Electric Company, The. (See Ripley, William H., assignor.)

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Pronovost, Joseph, Detroit, Mich. Spring-frame for vehicle-wheels. No. 1,271,360; July 2; v. 252; p. 170.
Proper, Russell H., New York, N. Y. Ice-cream-cone-dispensing machine. No. 1,289,907; Dec. 31; v. 257; p. 1033.
Proske, Alexander L. (See Proske, Theodore H. and A. L.)
Proske, Theodore H. and A. L., Denver, Colo. Drill-sharpener. No. 1,259,045; Mar. 12; v. 248; p. 358.
Pross, George F., Cincinnati, Ohio. Guard for machines. No. 1,259,554; Mar. 19; v. 248; p. 533.
Prosser, Isaac T., Chicopee Falls, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Loom-check. No. 1,255,635; Feb. 5; v. 247; p. 151.
Prosser, Joseph G., assignor to Paramount Hosiery Form Drying Co., Chicago, Ill. Hosiery-finishing apparatus. No. 1,268,066; May 28; v. 250; p. 972.
Prosser, Thomas W. (See Smith and Prosser.)
Prostredny, Louis, *et al.* (See Stiffey, James J., assignor.)
Protasiak, Józef, Milwaukee, Wis. Automobile-signal. No. 1,254,730; Jan. 29; v. 246; p. 1064.
Protective Board Company. (See Gieratz, Charles, assignor.)
Protective Signal Manufacturing Company. (See Neahr, Will C., assignor.)
Protecto Manufacturing Company, The. (See Harnly, David H., assignor.)
Protecto Manufacturing Company. (See Schroyer, Harry H., assignor.)
Protex Manufacturing Company. (See Sonnichsen, Andreas M., assignor.)
Protzman, Wells M., Osborn, Ohio. Flying-machine. No. 1,264,330; Apr. 30; v. 249; p. 1046.
Protzman, Wells M., Osborn, and A. D. Ray, Cleveland, Ohio. Flying-machine. No. 1,264,331; Apr. 30; v. 249; p. 1046.
Proud, Henry P., Philadelphia, Pa. Automatic stop for talking-machines. No. 1,274,444; Aug. 6; v. 253; p. 29.
Proudfit Loose Leaf Company, The. (See Edwards, William H., assignor.)
Proudfit Loose Leaf Company, The. (See Johnson, Cornelius E., assignor.)
Proudfit, William S., Grand Rapids, Mich. Loose-leaf binder. No. 1,256,728; Feb. 19; v. 247; p. 548.
Proudfit, William S., and W. H. Edwards, Grand Rapids, Mich. Loose-leaf binder. No. 1,262,840; Apr. 16; v. 249; p. 580.
Prouty, George W., Dorchester, Mass. Machine for wrapping bales. No. 1,253,884; Jan. 15; v. 246; p. 772.
Prouty, Theodore C., Aurora, Ill. Time-clock. No. 1,259,282; Mar. 12; v. 248; p. 422.
Prouty, Theodore C., Aurora, Ill. Time-clock. No. 1,259,283; Mar. 12; v. 248; p. 422.
Prouty, Theodore C., Aurora, Ill., assignor, by mesne assignments, to The Van Sicklen Company. Pump for speedometers. No. 1,256,829; Feb. 19; v. 247; p. 578.
Prouty, Theodore C., Aurora, Ill., assignor, by mesne assignments, to The Van Sicklen Company. Driving mechanism. No. 1,260,447; Mar. 26; v. 248; p. 823.
Prouty, Theodore C., Aurora, Ill., assignor, by mesne assignments, to The Van Sicklen Company. Speed-indicator. No. 1,269,215; June 11; v. 251; p. 342.
Prouty, Theodore C., Aurora, Ill., assignor, by mesne assignments, to The Van Sicklen Company. Odometer. No. 1,269,216; June 11; v. 251; p. 342.
Prouty, Theodore C., Aurora, Ill., assignor, by mesne assignments, to The Van Sicklen Company. Making odometer-wheels. No. 1,278,746; Sept. 10; v. 254; p. 407.
Providence Stock Company. (See Lederer and Meyer, assignors.)
Province, Benjamin, Kent, Ohio. Curtain-pole. No. 1,269,508; June 11; v. 251; p. 421.
Provisor, Abraham. (See Presament and Provisor.)
Provost, Peter, Milwaukee, Wis. Grain-drier. No. 1,251,573; Jan. 1; v. 246; p. 38.
Provost, Peter, Milwaukee, Wis. Treating grain. No. 1,269,741; June 18; v. 251; p. 517.
Prucha, William J., and C. W. Weatherwax, Honolulu, Hawaii. Motion-picture apparatus. No. 1,259,775; Mar. 19; v. 248; p. 595.
Prudden, Weston D. (See Dingwall and Prudden.)
Pruessman, Albert, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Condenser and making the same. No. 1,275,468; Aug. 13; v. 253; p. 341
Pruessman, Albert, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Flexible conductor. No. 1,275,469; Aug. 13; v. 253; p. 341.
Pruett, Jack J., assignor of one-half to S. Ryno, Duke, Mo. Railway-tie. No. 1,266,048; May 14; v. 250; p. 354.
Pruett, Truman C., Covington, Ky. Cutting device. No. 1,268,997; June 11; v. 251; p. 280.
Pruitt, Jesse J., Paton, Iowa. Toy. No. 1,278,208; Sept. 10; v. 254; p. 263.
Prusia, Franklin O. (See Gerow and Prusia.)
Prussian, Samuel W. (See Hogeboom, Clarence J., assignor.)
Prussian, Samuel W. (See Bradbury, Harold M., assignor.)
Prutton, Daniel H., Cleveland, Ohio. Air-pump. No. 1,281,068; Oct. 8; v. 255; p. 288.
Pruyn, David H., Hyde Park, Mass. Screw-press. No. 1,280,296; Oct. 1; v. 255; p. 51.
Pruyn, Emily C. (See Pruyn, John E., assignor.)
Pruyn, Francis L., New York, N. Y. Apparatus for setting piles. No. 1,275,470; Aug. 13; v. 253; p. 341.
Pruyn, Frederic, Albany, N. Y., assignor to Seamless Products Corporation, East Orange, N. J. Packing device. No. 1,255,789; Feb. 5; v. 247; p. 195.
Pruyn, John E., assignor of one-half to E. C. Pruyn, Philadelphia, Pa. Ball-bearing. No. 1,281,205; Oct. 8; v. 255; p. 328.
Pruyn, John E., assignor of one-half to E. C. Pruyn, Philadelphia, Pa. Radial ball-bearing. No. 1,281,244; Oct. 8; v. 255; p. 338.
Pruyn, John E., assignor of one-half to E. C. Pruyn, Philadelphia, Pa. Ball-bearing. No. 1,281,245; Oct. 8; v. 255; p. 338.
Pryce, Edmund H. (See Hochstetter and Pryce.)
Pryce, Edmund H., New York, N. Y. Flying-machine. No. 1,258,943; Mar. 12; v. 248; p. 327.
Pryce, Edmund H., New York, N. Y. Signal apparatus. No. 1,274,779; Aug. 6; v. 257; p. 125.
Pryor, George E., Los Angeles, Cal. Expanding device for spectacle-rims. No. 1,254,274; Jan. 22; v. 246; p. 903.
Pryor, George E., Los Angeles, Cal. Lens-grinding machine. No. 1,256,256; Feb. 12; v. 247; p. 374.
Pryor, John A., East Orange, N. J. Center attachment for chains. No. 1,270,208; June 18; v. 251; p. 643.
Pryor, John A., Newark, N. J., assignor to Pryor Manufacturing Co. Belt-buckle. No. 1,278,747; Sept. 10; v. 254; p. 408.
Pryor Manufacturing Co. (See Pryor, John A., assignor.)
Pryor, Wilbert, Condon, Oreg. Thermostat for automatic fire-alarms. No. 1,284,451; Nov. 12; v. 256; p. 294.
Przednowek, Wojciech, Cromwell, Manitoba, Canada. Conveyer. No. 1,269,960; June 18; v. 251; p. 577.
Przepiorka, Stanislaw, Medina, N. Y. Woodworking-machine. No. 1,264,332; Apr. 30; v. 249; p. 1046.
Psiaki, Alcibiades, G., Ridgewood, N. J. Portable dish-collecting apparatus. No. 1,256,926; Feb. 19; v. 247; p. 607.
Public Service Cup Company. (See Errett, Charles, assignor.)
Public Service Cup Company. (See Jahn, Berthold, assignor.)
Public Service Cup Company. (See Lockwood, Marquis H., assignor.)
Public Service Cup Company. (See Nias, Henry, assignor.)
Puckett, Robert B., and H. R. Abbott, St. Louis, Mo. Heel. No. 1,253,278; Jan. 15; v. 246; p. 596.
Puckett, Robert B., and H. R. Abbott, St. Louis, Mo. Manufacturing tenoned heels. No. 1,253,279; Jan. 15; v. 246; p. 596.
Puckett, Robert B., and H. R. Abbott, St. Louis, Mo. Apparatus for use in operating upon shoe-soles. No. 1,254,010; Jan. 15; v. 246; p. 807.
Pueblo Wire Stretcher Manufacturing Company. (See Cureton, Allen B., assignor.)
Puff, George W., Jeannette borough, Pa. Headlight-lens. No. 1,275,304; Aug. 13; v. 253; p. 295.
Puffer-Hubbard Manufacturing Co. (See Hubbard, Arthur O., assignor.)
Puget Sound Paper Box Co. (See Hincher, Otis R., assignor.)
Pugge, Fritz, Cambridge, Mass. Soap-shaver. No. 1,273,269; July 23; v. 252; p. 789.
Pugh, Harry H., Topeka, Kans. Silo-door. No. 1,264,857; Apr. 30; v. 249; p. 1191.
Pugh, John V., assignor to Rudge-Whitworth Limited, Coventry, England. Air-screw boss and its attachment to propeller-shafts. No. 1,263,801; Apr. 23; v. 249; p. 866.
Pugh, John V., Allesley, assignor to Rudge-Whitworth, Limited, Coventry, England. Vehicle-wheel-covering disk and attaching same. No. 1,289,908; Dec. 31; v. 257; p. 1033.
Pugh, Thomas E., Regina, Saskatchewan, Canada. Refrigerator. No. 1,289,909; Dec. 31; v. 257; p. 1034.
Pugh, William J., Usk, assignor of one-half to B. F. Huff, Seattle, Wash. Steering-head lock for automobiles. No. 1,262,978; Apr. 16; v. 249; p. 618.
Pukerud, Thomas S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,260,801; Mar. 26; v. 248; p. 927.
Pukos, Antoni, Depew, N. Y. Balloon-ballasting weight. No. 1,257,529; Feb. 26; v. 247; p. 819.
Pull-U-Out Sales Co. (See Eggleston, Robert N., assignor.)
Pullar, Robert A., Anacortes, Wash. Attachment for motor-vehicles. No. 1,273,270; July 23; v. 252; p. 789.
Pullen, Raymond R., Oceanic, N. J. Display device for flags. No. 1,268,488; June 4; v. 251; p. 119.
Pulliam, William Z., Los Angeles, Cal. Electric light for inspecting sunken vessels. No. 1,258,810; Mar. 12; v. 248; p. 289.

Pullinger, Thomas C. W., The Brae, near Dumfries, Scotland, assignor to American B. H. P. Aero Engine Corporation, New York, N. Y. Valve mechanism and associated parts of internal-combustion engines. No. 1,271,764; July 9; v. 252; p. 315.
Pullinger, Thomas C. W., The Brae, near Dumfries, assignor of one-half to William Beardmore, Glasgow, Scotland. Securing of internal-combustion engine sparking-plugs. No. 1,278,011; Sept. 3; v. 254; p. 186.
Pullman Coach Company *et al.* (See Weinmann, Louis E., assignor.)
Pullman Couch Company *et al.* (See Davis, Fred M., assignor.)
Pullman Couch Company. (See Gilda, John R., assignor.)
Pullman Couch Company, The. (See Metzger, Charles T., assignor.)
Pullman Couch Company. (See Kramer, Umhofer, Eral, and Wildberger, assignors.)
Pullman, Flora C., Cleveland, Ohio. Flower-holder attachment. No. 1,260,042; Mar. 19; v. 248; p. 675.
Pulse, Charles N., Lynchburg, Ohio. Riding attachment for cultivators. No. 1,279,435; Sept. 17; v. 254; p. 622.
Pultz, Lee G., Red Hook, N. Y. Tea-kettle. No. 1,262,699; Apr. 16; v. 249; p. 540.
Pulver, Ward M., and L. P. Vernon, Sedgwick, Colo. Beet-topping machine. No. 1,258,456; Mar. 5; v. 248; p. 148.
Pummill, George R., Corsicana, Tex. Hinge gage and marking tool. No. 1,251,693; Jan. 1; v. 246; p. 76.
Punches, Ernest E., Detroit, Mich. Mixing device. No. 1,283,891; Nov. 5; v. 256; p. 120.
Pund, Frederick W. (See Corcoran and Pund.)
Punnett, Reuben A., assignor, by mesne assignments, to Lincatime Manufacturing Company, Inc., Rochester, N. Y. Copy-holder. No. 1,266,622; May 21; v. 250; p. 543.
Purcell, Benjamin H. (See Van Silver and Purcell.)
Purcell, Frank. (See Brandenburg and Purcell.)
Purcell, Isaac S., Oak Park, assignor to Tentobed Company, Chicago, Ill. Tent for cots and the like. No. 1,255,224; Feb. 5; v. 247; p. 31.
Purcell, Isaac S., assignor to Tentobed Company, Chicago, Ill. Folding cot. No. 1,285,790; Nov. 26; v. 256; p. 710.
Purcell, Isaac S., assignor to Tentobed Company, Chicago, Ill. Folding tent. No. 1,285,791; Nov. 26; v. 256; p. 711.
Purcell, Isaac S., Oak Park, assignor to Tentobed Company, Chicago, Ill. Folding cot. No. 1,262,600; Apr. 9; v. 249; p. 483.
Purcell, Isaac S., Oak Park, assignor to Tentobed Company, Chicago, Ill. Support for tents and the like. No. 1,286,190; Nov. 26; v. 256; p. 809.
Purcell, John H., Ono, Cal. Sanitary soap-container. No. 1,275,471; Aug. 13; v. 253; p. 341.
Purcell, Joseph D. (See Lewis, David M., assignor.)
Purdie, Alexander, Wyandotte, Mich. Snap connection for tire-chains. No. 1,273,271; July 23; v. 252; p. 790.
Purdy, E. R., *et al.* (See Helm, Virgil L., assignor.)
Purdy, Frederick. (See Malstrom and Andersen, assignors.) (Reissue.)
Purdy, Milton E., South Carrollton, Ky. Operating mechanism for churns. No. 1,268,611; June 4; v. 251; p. 155.
Pure Coal Briquettes Limited. (See Sutcliffe, Edgar R., assignor.)
Pure Coal Briquettes Limited. (See Sutcliffe, Edgar R., assignor.)
Puretz, Julius, Brooklyn, and B. Cohen, New York, N. Y. Sad-iron. No. 1,275,743; Aug. 13; v. 253; p. 418.
Puring, John, assignor to Robeson Process Company, New York, N. Y. Direct dyeing. No 1,283,296; Oct. 29; v. 255; p. 992.
Purnell, Benjamin, Benton Harbor, Mich. Automatic flushing device. No. 1,274,195; July 30; v. 252; p. 1080.
Purnell, Benjamin, Benton Harbor, Mich. Closet-seat pivot. No. 1,276,265; Aug. 20; v. 253; p. 593.
Purpura, Liborio, Wheeling, W. Va. Hydraulic motor. No. 1,274,588; Aug. 6; v. 253; p. 71.
Pursel, John D., New York, N. Y. Resilient wheel. No. 1,254,536; Jan. 22; v. 246; p. 978.
Pursell, James P., assignor to The Fruited Cereal Company, Quincy, Ill. Prepared health food and making same. No. 1,271,765; July 9; v. 252; p. 316.
Purt, William B., Jersey City, N. J. Coin-separator. No. 1,260,802; Mar. 26; v. 248; p. 927.
Purvis, Charles A., Versailles, Mo. Casket-lowering device. No. 1,261,289; Apr. 2; v. 249; p. 84.
Purvis, John B., Detroit, Mich. Folding bed. No. 1,264,879; Apr. 30; v. 249; p. 1197.
Purvis, Robert C., Seaford, Del. Chain armor for pneumatic tires. No. 1,262,254; Apr. 9; v. 249; p. 386.
Pushcar, Michael J. (See Moore, Pushcar and Brown.)
Pusch, William F. (See Beeman, Edwin S., assignor.)
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Forming metallic wheels. No. 1,253,419; Jan. 15; v. 246; p. 641.
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Demountable wheel. No. 1,253,420; Jan. 15; v. 246; p. 641.
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Vehicle-wheel. No. 1,255,927; Feb. 12; v. 247; p. 275.
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Metallic vehicle-wheel. No. 1,255,928; Feb. 12; v. 247; p. 275.
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Metallic wheel. No. 1,266,155; May 14; v. 250; p. 384.
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Metallic vehicle-wheel. No. 1,280,297; Oct. 1; v. 255; p. 51.
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Metallic vehicle-wheel. No. 1,286,191; Nov. 26; v. 256; p. 809.
Putnam, Charles E. (See Murray and Putnam.)
Putnam, Charles H., Evanston, Ill. Loading and unloading device for baking-ovens. No. 1,287,430; Dec. 10; v. 257; p. 342.
Putnam, Daniel G. (See Coster and Putnam.)
Putnam, Fred A., Melrose, Mass. Machine for laying gold-leaf. No. 1,258,944; Mar. 12; v. 248; p. 327.
Putnam, Fred A., and Percy I. Axford, Melrose, assignor to Marken Machine Company, Boston, Mass. Marking-machine. No. 1,261,163; Apr. 2; v. 249; p. 48.
Putnam, Fred A., Melrose, and C. F. Robbins, Abington, Mass., assignors to Labem Machine Company, Boston, Mass. Printing-machine. No. 1,279,904; Sept. 24; v. 254; p. 781.
Putnam, Ira R., Lancaster, Kans. Lever transmitting mechanism for pumps. No. 1,286,768; Dec. 3; v. 257; p. 139.
Putnam, James K., Tulsa, Okla. Separator for wells. No. 1,279,758; Sept. 24; v. 254; p. 738.
Putnam, John A., Hardin, Mont. Means for locating sunken vessels. No. 1,270,209; June 18; v. 251; p. 643.
Putnam, Mark E., assignor to The Dow Chemical Company, Midland, Mich. Making benzaldehyde. No. 1,272,522; July 16; v. 252; p. 555.
Putnam, Mark N. Los Angeles, Cal. Hydrocarbon-gas-producing burner. No. 1,289,910; Dec. 31; v. 257; p. 1034.
Putnam, Walter J., Deposit, N. Y. Tire chain and armor. No. 1,259,776; Mar. 19; v. 248; p. 596.
Putnam, William H., assignor to Madison-Kipp Lubricator Company, Madison, Wis. Grease-cup. No. 1,260,043; Mar. 19; v. 248; p. 675.
Putnam, William H., assignor to Madison-Kipp Lubricator Company, Madison, Wis. Forced-feed lubricator. No. 1,262,979; Apr. 16; v. 249; p. 619.
Putnam, William H., assignor to Madison-Kipp Lubricator Company, Madison, Wis. Grease-gun. No. 1,262,980; Apr. 16; v. 249; p. 619.
Putnam, William H., assignor to Madison-Kipp Lubricator Company, Madison, Wis. Lubricator. No. 1,262,981; Apr. 16; v. 249; p. 620.
Putsch, Henry, assignor to Power Glue Manufacturing Company, Chicago, Ill. Pulley-rim covering. No. 1,257,530; Feb. 26; v. 247; p. 819.
Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for trimming tires. No. 1,263,286; Apr. 16; v. 249; p. 764.
Puttergill, William H., Herne Hill, London, England. Tram-rail. No. 1,287,096; Dec. 10; v. 257; p. 259.
Puttock, William H., Spokane, Wash., assignor to The Holt Manufacturing Company, Stockton, Cal. Steering-truck. No. 1,258,610; Mar. 5; v. 248; p. 193.
Pye, David W. (See McNally, Leo F., assignor.)
Pykosz, Felix, Waterbury, Conn. Trap. No. 1,278,209; Sept. 10; v. 254; p. 263.
Pyle-National Electric Headlight Company. (See Dake, Charles W., assignor.)
Pyle-National Company. (See Young, Otis W., assignor.)
Pyle, Walter G., Topeka, Kans. Cream-extractor. No. 1,288,987; Dec. 24; v. 257; p. 781.
Pyle, William D., Indianapolis, Ind. Circuit-protective device. No. 1,272,090; July 9; v. 252; p. 409.
Pym, Charles F., Essex, Ontario, Canada, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,274,589; Aug. 6; v. 253; p. 71.
Pym, Charles F., Essex, Ontario, Canada, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,274,590; Aug. 6; v. 253; p. 72.
Pym, Charles F., Detroit, Mich., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,288,440; Dec. 17; v. 257; p. 620.
Pym, Charles F., Essex, Ontario, Canada, assignor, by mesne asignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,288,441; Dec. 17; v. 257; p. 620.
Pyrene Manufacturing Company. (See Ferguson, George E., assignor.)
Pyzel, Daniel, San Francisco, Cal. Dephlegmator and rectifying-column. No. 1,276,690; Aug. 20; v. 253; p. 711.

Quade, Alfred C. (See Quade, Herman A. and A. C.)
Quade, Frank H., Jr., Fresno, Cal. Automatic paper-feed for printing-machines. No. 1,269,304; June 11; v. 251; p. 366.
Quade, Frank H., Jr., Fresno, Cal. Automatic feed-controlling mechanism for printing-machines. No. 1,269,305; June 11; v. 251; p. 366.
Quade, Herman A. and A. C., Milwaukee, Wis. Rake. No. 1,255,337; Feb. 5; v. 247; p. 64.
Quaedvlieg, Victor, Keremeos, British Columbia, Canada. Process and apparatus for tanning hides. No. 1,280,544; Oct. 1; v. 255; p. 119.
Quaker Oats Company, The. (See Schumacher, Franz A., assignor.)
Quam, Elmer R., Verdi, Minn. Fountain-brush. No. 1,274,780; Aug. 6; v. 253; p. 125.
Quantz, Albert T., Rock Hill, S. C. Loom. No. 1,253,992; Jan. 15; v. 246; p. 802.
Quantz, Albert T., Rock Hill, S. C. Weaving. No. 1,268,612; June 4; v. 251; p. 155.
Quarles, William G., and C. H. Sturgill, East Chattanooga, Tenn. Nut-lock. No. 1,287,431; Dec. 10; v. 257; p. 342.
Quartieri, Ferdinando, and E. Molinari, Milan, Italy. Bursting charge for projectiles. No. 1,270,322; June 25; v. 251; p. 700.
Quasi-Arc Weldtrode Company. (See Gordon, Fred W., assignor.)
Quass, Ralph L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone signaling system. No. 1,266,623; May 21; v. 250; p. 543.
Quast, Bruno, Cologne-Deutz, Germany. Continuous rolling-mill. No. 1,271,361; July 2; v. 252; p. 171.
Quayle, John H., Cleveland, Ohio. Intravenous injection apparatus. No. 1,282,000; Oct. 15; v. 255; p. 571.
Queen, Ralph L., Millville, N. J. Pencil. No. 1,261,958; Apr. 9; v. 249; p. 304.
Queenan, William, and C. Farwell, Aurora, Ill. Door for freight-cars. No. 1,252,026; Jan. 1; v. 246; p. 172.
Quemore, William J., Camden, N. J. Stringed instrument. No. 1,266,314; May 14; v. 250; p. 427.
Quenneville, Evangiliste, Ste. Thérèse De Blainville, Quebec, Canada. Ditch-plow. No. 1,277,118; Aug. 27; v. 253; p. 863.
Quentell, William P., New York, N. Y. Adding-machine. No. 1,286,769; Dec. 3; v. 257; p. 139.
Quernheim, Herman W. (See Timlin and Quernheim.)
Querns, Eva A. Y., Philadelphia, Pa. Woman's undervest. No. 1,276,266; Aug. 20; v. 253; p. 593.
Quéron, Jules G. C., and J. Courbon, St.-Etienne, France. Cartridge-feeding belt for machine-guns. No. 1,273,670; July 23, v. 252; p. 897.
Quesnoy, Bartholomew, Altus, Ark. Truck-reel for conductor-wires. No. 1,260,044; Mar. 19; v. 248; p. 675.
Quevedo, Sotero, Habana, Cuba. Adjustable shoe-heel. No. 1,280,836; Oct. 8; v. 255; p. 227.
Quick Action Ignition Company. (See Oglesby, Richard A., assignor.)
Quick, Edward C., Berkeley Springs, W. Va. Combined salt-shaker and pepper-grinder. No. 1,264,134; Apr. 23; v. 249; p. 957.
Quick, Harry C., Oakland, Cal. Gas-meter. No. 1,266,527; May 14; v. 250; p. 485.
Quigan, Frank J., Brooklyn, N. Y., assignor to Simon Zinn, Inc. Clasp for hand-bags. No. 1,278,012; Sept. 3; v. 254; p. 186.
Quigley, John T., assignor to Costmeter Company, Boston, Mass. Costmeter equipment. No. 1,254,537; Jan. 22; v. 246; p. 978.
Quigley, John T., assignor, by mesne assignments, to Costmeter Company, Boston, Mass. Apparatus for printing or marking. No. 1,277,119; Aug. 27; v. 253; p. 863.
Quigley, John T., assignor to Costmeter Company, Boston, Mass. Ribbon-printing device. No. 1,284,925; Nov. 12; v. 256; p. 413.
Quill, Charles J., assignor, by mesne assignments, to E. W. Beardsley, trustee, San Francisco, Cal. Current-rectifier. No. 1,252,615; Jan. 8; v. 246; p. 374.
Quillen, Sarah A., Gate City, Va. Preserving apparatus. No. 1,262,094; Apr. 9; v. 249; p. 340.
Quimby, Clarence E., assignor to The Continental Lens Company, Toledo, Ohio. Grinder. No. 1,274,591; Aug. 6; v. 253; p. 72.
Quimby, Eugene A., Haledon, N. J. Advertising device. No. 1,265,380; May 7; v. 250; p. 139.
Quimby, Frank H., Troy, N. Y. Internal-combustion engine. No. 1,283,297; Oct. 29; v. 255; p. 992.
Quimby, Frank M., *et al.* (See Smith, Ulysses S., assignor.)
Quinby, James H., San Jose, Cal. Method of forming flange-grooves and molds therefor. No. 1,255,050; Jan. 29; v. 246; p. 1157.
Quincy Elevator Gate Co. (See Fogal, John E. W., assignor.)
Quinlan, Patrick J., Gary, S. D. Pulling implement. No. 1,261,164; Apr. 2; v. 249; p. 49.
Quinlin, Charles P., Denver, Colo. Road construction. No. 1,281,833; Oct. 15; v. 255; p. 529.
Quinn Brothers. (See Quinn, John H., assignor.)
Quinn, Corbett L., assignor of one-fourth to Z. J. Quinn, one-fourth to L. H. Quinn, and one-fourth to J. W. Quinn, Pink Hill, N. C. Axle-lubricating device. No. 1,270,658; June 25; v. 251; p. 793.
Quinn, Daniel, and R. Lebovit, Bayonne, N. J. Rope-reel. No. 1,286,097; Nov. 26; v. 256; p. 785.
Quinn, Don L., Oak Park, Ill., assignor to Chicago Mill and Lumber Company. Feed-trough for poultry-crates. No. 1,253,723; Jan. 15; v. 246; p. 727.
Quinn, Don L., Oak Park, Ill., assignor to Chicago Mill and Lumber Company. Poultry-feeding coop. No. 1,255,834; Feb. 5; v. 247; p. 208.
Quinn, Fred, Oliver, Ill. Valve-facing device. No. 1,264,858; Apr. 30; v. 249; p. 1191.
Quinn, James W., *et al.* (See Quinn, Corbett L., assignor.)
Quinn, John H., assignor to Quinn Brothers, Paterson, N. J. Antifreezing valve. No. 1,263,107; Apr. 16; v. 249; p. 657.
Quinn, John N., Cincinnati, Ohio. Machine for corrugating paper. No. 1,284,771; Nov. 12; v. 256; p. 373.
Quinn, John P., *et al.* (See Smith, John B. R., assignor.)
Quinn, Leman H., *et al.* (See Quinn, Corbett L., assignor.)
Quinn, Martin J., Toronto, Ontario, Canada. Electric switch. No. 1,271,220; July 2; v. 252; p. 133.
Quinn, Martin J., Toronto, Ontario, Canada. Electric switch. No. 1,271,221; July 2; v. 252; p. 133.
Quinn, Nelson J., *et al.* (See Lober, George H., assignor.)
Quinn, Robert B., Columbus, Ohio, assignor of one-half to T. A. Quinn, Charleston, W. Va. Wrench. No. 1,270,746; June 25; v. 251; p. 815.
Quinn, Thomas, Milford, Mass. Machine for pressing seams. No. 1,260,803; Mar. 26; v. 248; p. 927.
Quinn, Thomas H., New Haven, Conn. Valve for flushing-tanks. No. 1,272,091; July 9; v. 252; p. 409.
Quinn, Tonkie A. (See Quinn, Robert B., assignor.)
Quinn, Walter J. (See Mullaney and Quinn.)
Quinn, Zenon J., *et al.* (See Quinn, Corbett L., assignor.)
Quinones, Alfredo, New Orleans, La. Electrical exercising device. No. 1,253,885; Jan. 15; v. 246; p. 773.
Quiquerez, Alphonse, New York, N. Y. Culinary press. No. 1,289,261; Dec. 31; v. 257; p. 874.
Quiram, Emil P., Elysian, Minn. Recording-scale. No. 1,267,693; May 28; v. 250; p. 868.
Quist, Frank J., and A. E. Anderson, assignors to Domestic Vacuum Cleaner Company, Worcester, Mass. Carpet-cleaner. No. 1,258,811; Mar. 12; v. 248; p. 289.
Quist, Frank J., assignor to Domestic Vacuum Cleaner Company, Worcester, Mass. Suction-cleaner. No. 1,283,298; Oct. 29; v. 255; p. 992.
R. Hoe and Co. (See Ball, Harry V., assignor.)
R. Hoe and Co. (See Hilton, Arthur E., assignor.)
R. Hoe and Co. (See Hoe, Robert, assignor.)
R. Hoe and Co. (See Roesen, Oscar, assignor.)
R. Hoe and Co. (See Roesen, Oscar C., Jr., assignor.)
R. Hoe and Co. (See Roesen and Tornberg, assignors.)
R. Hoe and Co. (See Sheldon, Edward P., assignor.)
R. Hoe and Co. (See Smith, Ernest J., assignor.)
R. Hoe and Co. (See Tornberg, Isidor, assignor.)
R. Hoe and Co. (See White, Bruce C., assignor.)
R. Hoe and Co. (See Wood, William M., assignor.)
R. E. Dietz Company. (See Pomeroy, Bennard H., assignor.)
R. Neumann Hardware Co., The. (See Flocke, Robert O., assignor.)
R. Neumann Hardware Co., The. (See Hammesfahr, Julius, assignor.)
R. Neumann Hardware Co., The. (See Heilmann, William A., assignor.)
R. Williamson & Co. (See Williamson, James, assignor.)
R. D. Swisher Manufacturing Company. (See Folger, Harry S., assignor.)
R. D. Swisher Manufacturing Company. (See Folger and Redfield, assignors.)
R. D. Wood & Co. (See Green, Charles B., assignor.)
R & G Company, The. (See Anderson, Louis A., assignor.)
R. G. von Kökeritz & Co. (See Hiatt, Stephen T., assignor.)
R. H. Beaumont Company. (See Hale, William E., assignor.)
R. I. Electrical Instrument Co. (See Robinson, Andrew M., assignor.)
R. J. Reynolds Tobacco Company. (See Richter, Hans F., assignor.)
R. K. Leblond Machine Tool Company, The. (See Greene, William F., assignor.)
R. M. Hvid Company. (See Blakely, Edward B., assignor.)
R. M. Hvid Company. (See Hvid, Rasmus M., assignor.)
R & P Tractor Company. (See Parsons, Channing W., assignor.)
R. S. Stokvis & Zonen Limited. (See Clement, Leonis J. F., assignor.)
R. U. V. Company, The. (See Case, Ralph E., assignor.)
R. U. V. Company, The. (See Henri, Helbronner, and Recklinghausen, assignors.)
R. U. V. Company, The. (See Recklinghausen, Helbronner and Henri, assignors.)
Raab, Edward H., Fort Wayne, Ind. Towel-holder. No. 1,271,766; July 9; v. 252; p. 316.

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Raab, Henry C., and J. H. Dundon, Youngstown, Ohio. Locomotive. No. 1,288,185; Dec. 17; v. 257; p. 561.
Raabe, Henry E. A., Jersey City, N. J. Device for controlling the admission of the charge to the cylinders of explosive-engines. No. 1,264,436; Apr. 30; v. 249; p. 1077.
Raabe, Henry E. A., Jersey City, N. J. Engine valve-gear. No. 1,264,437; Apr. 30; v. 249; p. 1077.
Rabbe, Frank W., Ottawa, Ontario, Canada. Ticket-holder. No. 1,271,078; July 2; v. 252; p. 91.
Rabbes, Henry, Los Angeles, Cal. Driving-signal. No. 1,287,432; Dec. 10; v. 257; p. 342.
Rabehl, Frederick W., Alexandria, Minn. Litter-carrier. No. 1,272,523; July 16; v. 252; p. 555.
Rabenold, Charles F., Glenside, and G. W. Carns, Philadelphia, Pa. Lamp. No. 1,272,524; July 16; v. 252; p. 555.
Rabenseifner, Adolf J., Olmitz, Kans. Rail connection. No. 1,268,276; June 4; v. 251; p. 58.
Raber, Joseph, assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,270,868; July 2; v. 252; p. 33.
Rabinowitz, Henry, Brooklyn, N. Y. Window. No. 1,278,210; Sept. 10; v. 254; p. 264.
Rabsilber, William, Hoboken, N. J., assignor to High Efficiency Motor Corporation, Brooklyn, N. Y. Internal-combustion engine. No. 1,262,982; Apr. 16; v. 249; p. 620.
Rabun, Wiley T., and W. F. Schultheiss, San Diego, Cal. Equipment for green-sand molding. No. 1,252,945; Jan. 8; v. 246; p. 467.
Raccagni, Giovanni, Bridgeport, Conn. Railway-tie and rail-fastener. No. 1,274,592; Aug. 6; v. 253; p. 73.
Race, Fred O., Newark, N. J. Making drawing-pens. No. 1,288,675; Dec. 24; v. 257; p. 707.
Rachals, Walter, Youngstown, Ohio. Rolling-mill. No. 1,283,299; Oct. 29; v. 255; p. 993.
Racicot, Alexander N. (See Racicot, Arthur and A. N.)
Racicot, Arthur and A. N., Webster, Mass. Insole. No. 1,265,514; May 7; v. 250; p. 175.
Racine, Otto, Denison, Iowa. Quilting-frame. No. 1,261,614; Apr. 2; v. 249; p. 176.
Rackle, Charles H., assignor to Printing Ink Compound Co., New York, N. Y. Composition for preventing smut of printing-ink. No. 1,272,092; July 9; v. 252; p. 410
Racklyeft, George S., Buffalo, N. Y. Stencil. No. 1,254,354; Jan. 22; v. 246; p. 926.
Racklyeft, John W. (See Thurber and Racklyeft.)
Radcliff, William, Philadelphia, Pa. Boiler. No. 1,288,186; Dec. 17; v. 257; p. 561.
Radcliffe, Carlton R., New York, N. Y. Power-transmitting apparatus. No. 1,270,323; June 25; v. 251; p. 701.
Radcliffe, Carlton R., New York, N. Y. Power-transmitting apparatus. No. 1,271,079; July 2; v. 252; p. 92.
Radcliffe, John T., Brooklyn, N. Y. Valve. No. 1,286,098; Nov. 26; v. 256; p. 785.
Raddant, Walter C., Santa Lucia, Cuba. Automatic continuous liquid-tester. No. 1,266,315; May 14; v. 250; p. 428.
Raddatz, Richard, Milwaukee, Wis. Mixing-machine. No. 1,258,812; Mar. 12; v. 248; p. 289.
Radebaugh Gustav H., Urbana, Ill. Work-scheduling apparatus. No. 1,268,613; June 4; v. 251; p. 155.
Rader, Joe, assignor of one-half to H. A. Hazlett, Belva, Okla. Rail-joint. No. 1,253,724; Jan. 15; v. 246; p. 727.
Rader, Lewis M., and D. S. Gould, Kent, Wash. Cooler or refrigerator. No. 1,258,457; Mar. 5; v. 248; p. 148.
Rader, Harvey S., Palmerton, Pa. Vehicle-spring. No. 1,275,744; Aug. 13; v. 253; p. 418.
Radford, Robert L., assignor of one-fourth to P. R. Moale, Asheville, N. C. Package-tying device. No. 1,271,767; July 9; v. 252; p. 316.
Radford, Will H., Kenedy, Tex. Pneumatic cotton-picker. No. 1,287,433; Dec. 10; v. 257; p. 343.
Radiant Heating Limited. (See Bone, Wilson, and McCourt, assignors.)
Radiguer, Charles, assignor to The Societe Anonyme Des Etablissements Delaunay-Belleville, St.-Denis, France. Device for exhausting the motive fluid from self-propelled torpedoes. No. 1,261,851; Apr. 9; v. 249; p. 276.
Radium Golf Ball Company Limited, The. (See Miller, Ellis, assignor.)
Radka, Adolph F. (See Mersfelder and Radka.)
Radke, John W., Dollar Bay, Mich. Vegetable-harvester. No. 1,255,051; Jan. 29; v. 246; p. 1157.
Radke, Walter F., and F. Wentzlaff, Brown Deer, Wis. Vehicle-lifting jack. No. 1,288,187; Dec. 17; v. 257; p. 561.
Radley, Guy R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,255,225; Feb 5; v. 247; p. 31.
Radovanovic, Andreas, Zurich, Switzerland. Two-stroke-cycle combustion-engine. No. 1,255,462; Feb. 5; v. 247; p. 100.
Rae, Frank B., Cleveland, Ohio. Vacuum-cleaner. No. 1,286,099; Nov. 26; v. 256; p. 785.
Rae, Thomas, Sydney, New South Wales, Australia. Power-driven hacksaw. No. 1,281,417; Oct. 15; v. 255; p. 418.
Ræder, Björn, Kykkelsrud, near Askim, Norway. Electric furnace. No. 1,286,100; Nov. 26; v. 256; p. 785.
Raff, Ernest G., assignor to Liberty Accessories Corporation, St. Louis, Mo. Exhaust-operated whistle. No. 1,289,540; Dec. 31; v. 257; p. 943.
Raff, Ernest G., assignor to Liberty Accessories Corporation, St. Louis, Mo. Whistle. No. 1,289,541; Dec. 31; v. 257; p. 944.
Raffin, Maurice R., assignor to Société P. Raffin & Fils, Dunkirk, France. Concentration of titanium ores. No. 1,256,368; Feb. 12; v. 247; p. 408.
Raflovich, Harry, New York, N. Y. Wheel rim and tire construction. No. 1,252,839; Jan. 8; v. 246; p. 437.
Raflovich, Harry, New York, N. Y. Wheel-rim. No. 1,271,222; July 2; v. 252; p. 133.
Rafsky, Harold R., Portland, Me. Coated paper. No. 1,260,448; Mar. 26; v. 248; p. 824.
Ragan, Frederick H., Seattle, Wash. Reversing screw-and-nut gearing. No. 1,276,810; Aug. 27; v. 253; p. 781.
Ragan, Frederick H., Detroit, Mich. Power operating device. No. 1,276,811; Aug. 27; v. 253; p. 781.
Ragains, James S., Ottumwa, Iowa. Water-pressure system. No. 1,263,287; Apr. 16; v. 249; p. 705.
Ragsdale, Charles R., St. Louis, Mo. Demountable rim. No. 1,275,745; Aug. 13; v. 253; p. 418.
Rahfeldt, Fred A., Zearing, Iowa. Harness-vise. No. 1,253,725; Jan. 15; v. 246; p. 727.
Rahm, Robert C., assignor to Textile Machine Works, Wyomissing, Pa. Lace-making mechanism. No. 1,256,038; Feb. 12; v. 247; p. 308.
Rahm, Robert C., assignor to Textile Machine Works, Wyomissing, Pa. Braiding-carrier drive mechanism. No. 1,282,944; Oct. 29; v. 255; p. 899.
Rahm, Robert C., assignor to Textile Machine Works, Wyomissing, Pa. Lace-braiding-carrier drive. No 1,282,945; Oct. 29; v. 255; p. 899.
Rahnn, August, Elizabeth, N. J. Tool-stock. No. 1,259,777; Mar. 19; v. 248; p. 596.
Rahr, Maximilian, Jr., Manitowoc, Wis. Automobile-curtain. No. 1,282,287; Oct. 22; v. 255; p. 691.
Raia, Anton, Garfield, N. J. Internal-combustion engine. No. 1,274,329; July 30; v. 252; p. 1116.
Raiche, Andrew, assignor to Atlas Tack Company, Fairhaven, Mass. Stud-and-socket fastener. No. 1,277,258; Aug. 27; v. 253; p. 899.
Rail Joint Company, The. (See Bradley, William J., assignor.)
Rail Joint Company, The. (See Braine, Bancroft G., assignor.)
Rail Joint Company, The. (See Smith, Reuben W., assignor.)
Rail Joint Company, The. (See Thomson, William P., assignor.)
Rail Joint Company, The. See Willson, Russell A., assignor.)
Railway Improvement Company. (See Elsom, James D., assignors.)
Railway Improvement Company. (See Wade and Chappelle, assignors.)
Railway Journal Packing Company. (See Ingraham, Floyd L., assignor.)
Railway Journal Packing Company. (See Schrader, John R., assignor.)
Railway Materials Company, The. (See Cram, Tim B., assignor.)
Railway and Mine Supply Company. (See Weber, William L., assignor.)
Railway Utility Company. (See Hynes, Lee P., assignor.)
Rainbow Petroleum Products Co. (See Erickson, Emil T., assignor.)
Rainbow Pictures Corporation. (See Shaw, Joseph, assignor.)
Rainbow Pictures Corporation. (See Shaw and Berwick, assignors.)
Rainer, John T., Grapeland, Tex. Peanut-digging attachment. No. 1,277,120; Aug. 27; v. 253; p. 863.
Raines, Otis B., Mountain View, Cal. Traction-engine. No. 1,287,097; Dec. 10; v. 257; p. 260.
Rainey, Clifton K., Knoxville, Tenn. Account system. No. 1,271,080; July 2; v. 252; p. 92.
Rainey, James E. J., Dallas, Tex. Airship. No. 1,275,746; Aug. 13; v. 253; p. 418.
Rainey, Paul M., Glen Ridge, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telegraph system. No. 1,261,290; Apr. 2; v. 249; p. 84.
Rainey, Paul M., Glen Ridge, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Fluctuation-damping means for rotatable members. No. 1,271,362; July 2; v. 252; p. 171.
Rainey, Paul M., West Hoboken, N. J., assignor, by mesne assignments, to Western Electric Company, New York, N. Y. Synchronizing system for multiplex telegraphs. No. 1,279,905; Sept. 24; v. 254; p. 782.
Rainey, Robert W., assignor of one-third to G. Scharff and one-sixth to E. S. Boyte, Memphis, Tenn. Rail-joint. No. 1,278,504; Sept. 10; v. 254; p. 342.

Rainftlen, August H., assignor, by mesne assignments, to The Steel Products Company, Plantsville, Conn. Fastening means. No. 1,281,834; Oct. 15; v. 255; p. 529.
Rains, Robert S., Vinemont, Ala., assignor of one-half to W. E. James, Cullman, Ala. Ax. No. 1,282,001; Oct. 15; v. 255; p. 572.
Raje, Thor, Los Angeles, Cal. Talking-machine record. No. 1,275,087; Aug. 6; v. 253; p. 211.
Rakestraw, Arthur E. (See Rakestraw, Thomas G. and A. E.)
Rakestraw, Harry L., *et al.* (See Blanchard, Frank E., assignor.)
Rakestraw, Thomas G., Detroit, Mich. Steam-trap. No. 1,252,720; Jan. 8; v. 246; p. 404.
Rakestraw, Thomas G. and A. E., assignors of one-half to C. C. Canny, Detroit, Mich. Steam-trap. No. 1,281,835; Oct. 15; v. 255; p. 529.
Rakos, Joseph. (See Perko, Alois S., assignor.)
Raleigh, Charles, and W. V. D. Kelley, Brooklyn, N. Y., assignors, by mesne assignments, to Prizma Incorporated. Photographic color-screen. No. 1,278,211; Sept. 10; v. 254; p. 264.
Rall, Hermann. (See Meier and Rall.)
Ralls, James C., Sheffield, England. Door-fastening for motor-cars, carriages, and other vehicles. No. 1,252,027; Jan. 1; v. 246; p. 172.
Ralph, Charles W., *et al.* (See Gower, Marshall T., assignor.)
Ralph, Harry H., Philadelphia, Pa. Purifier for steam-boilers. No. 1,256,039; Feb. 12; v. 247; p. 308.
Ralston, Arthur W., Sheridan, Mo. Metallic clothes-pin. No. 1,267,694; May 28; v. 250; p. 868.
Ralston, John E., Vincennes, Ind. Door-stop. No. 1,271,363. July 2; v. 252; p. 171.
Ralston, Joseph S. (See Weaver, Robert R., assignor.)
Ralston, Richard M. (See Teeter, Manual H., assignor.)
Ralston Steel Car Company, The. (See Becker, Anton, assignor.)
Ralston Steel Car Company, The. (See Weaver, Robert R., assignor.)
Ralya, William S., assignor to A. H. Bohnstengel, Cincinnati, Ohio. Furnace. No. 1,271,364; July 2; v. 252; p. 171.
Ramberg, John H., and O. A. Merman, Minneapolis, Minn. Window-frame and slip-sill for drop-sashes. No. 1,272,093; July 9; v. 252; p. 410.
Ramelli, Sebastian H., Los Angeles, Cal. Crude-oil expander. No. 1,270,210; June 18; v. 251; p. 643.
Ramey, Thomas T., Edwardsville, Ill. Quick-emptying funnel. No. 1,265,381; May 7; v. 250; p. 140.
Ramm, George F., Del Monte, Cal. Combined ironing and clothes cabinet. No. 1,257,116; Feb. 19; v. 247; p. 661.
Ramm, Paul F., and H. Nelsen, Oakland, Cal. Concrete-form stay. No. 1,259,442; Mar. 12; v. 248; p. 469.
Ramos, Humberto, San Francisco, Cal. Safety hat-pin. No. 1,275,088; Aug. 6; v. 253; p. 211.
Rampone, Frédéric Neuchâtel, Switzerland. Valve for fluid-tanks and like structures. No. 1,273,537; July 23; v. 252; p. 861.
Ramsay, Hubert H., Tylertown, Miss. Respirator. No. 1,266,624; May 21; v. 250; p. 544.
Ramsay, Hubert H., Tylertown, Miss. Nozzle. No. 1,266,856; May 21; v. 250; p. 607.
Ramsay, Hugh V. (See Tripp and Ramsay.)
Ramsay, Hugh V., Gloucester City, N. J. Hoisting apparatus. No. 1,252,174; Jan. 1; v. 246; p. 213.
Ramsay, James W., Brooklyn, N. Y. Camera. No. 1,273,183; July 23; v. 252; p. 767.
Ramsdell, James W., Highland Park, Mich. Sanitary drinking-fountain. No. 1,278,998; Sept. 17; v. 254; p. 507.
Ramsdell, James W., Highland Park, Mich. Drinking-fountain. No. 1,278,999; Sept. 17; v. 254; p. 507.
Ramsdell, Lewis S. (See Russell and Ramsdell.)
Ramsey, Charles O. (See Wolfe, Clinton M., assignor.)
Ramsey, James C., Roswell, N. Mex. Game-trap. No. 1,279,436; Sept. 17; v. 254; p. 623.
Ramsey, Joseph D., Dorchester, Mass. Drinking-fountain. No. 1,265,955; May 14; v. 250; p. 329.
Ramsey, Thomas G., Wapanucka, Okla. Adjustable window-shade bracket. No. 1,258,242; Mar. 5; v. 248; p. 85.
Ramsher, John C., Shenandoah, Pa. Lock. No. 1,272,710; July 16; v. 252; p. 610.
Ramson, Leo, Leonia, N. J. Abrasive tool. No. 1,273,184; July 23; v. 252; p. 769.
Ramstack, Erich. (See Ramstack, Julia, F., and E.)
Ramstack, Franklin. (See Ramstack, Julia, F., and E.)
Ramstack, Julia, F., and E., Milwaukee, Wis. Spark-plug. No. 1,287,746; Dec. 17; v. 257; p. 452.
Ranch, Bertram F., Seattle, Wash. Automatic registering device. No. 1,273,273; July 23; v. 252; p. 790.
Ranch, Bertram F., Seattle, Wash. Safety coat-hook. No. 1,276,414; Aug. 20; v. 253; p. 636.
Rand, Howard B., Merrimac, Mass. Electric incandescent lamp. No. 1,275,305; Aug. 13; v. 253; p. 296.
Rand, Howard B., Merrimac, Mass. Lamp-socket guide for headlights. No. 1,276,415; Aug. 20; v. 253; p. 636.
Rand, James H., Newton, Mass. Index member. No. 1,255,226; Feb. 5; v. 247; p. 31.
Rand, James H., Newton, Mass. Index device. No. 1,255,929; Feb. 12; v. 247; p. 276.
Rand, James H., Newton, Mass. Index. No. 1,272,094; July 9; v. 252; p. 410.
Rand, James H., Newton, Mass. Index. No. 1,278,212; Sept. 10; v. 254; p. 264.
Rand, James H., Newton, Mass. Index. No. 1,278,213; Sept. 10; v. 254; p. 264.
Rand, James H., Newton, Mass. Index. No. 1,284,772; Nov. 12; v. 256; p. 373.
Rand, James H., North Tonawanda, N. Y. Index. No. 1,286,405; Dec. 3; v. 257; p. 54.
Rand, James H., North Tonawanda, N. Y. Index. No. 1,286,406; Dec. 3; v. 257; p. 55.
Rand, James H., Newton, Mass. Index. No. 1,288,188; Dec. 17; v. 257; p. 562.
Rand, James H., Jr., North Tonawanda, N. Y. Card-index. No. 1,268,489; June 4; v. 251; p. 119.
Rand, James H., Jr., North Tonawanda, N. Y. Card-index system. No. 1,272,525; July 16; v. 252; p. 556.
Rand, James H., Jr., assignor to Zenith Systems Corporation, Tonawanda, N. Y. Card-index system. No. 1,272,526; July 16; v. 252; p. 556.
Rand, June B., Los Angeles, Cal. Cap. No. 1,268,614; June 4; v. 251; p. 155.
Rand McNally and Company. (See Hooker, Harry A., assignor.)
Randall, Charles C., Olean, N. Y. Linotype-machine. No. 1,253,726; Jan. 15; v. 246; p. 727.
Randall, Charles F., Chicago, Ill. Dumping mechanism for vehicle-containers. No. 1,251,574; Jan. 1; v. 246; p. 38.
Randall, Charles F., Boston, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Woven belt or carrier. No. 1,287,098; Dec. 10; v. 257; p. 260.
Randall, Chester J., Naugatuck, Conn., assignor to The Goodyear's Metallic Rubber Shoe Company. Apparatus for exhausting the interior of rubber articles. No. 1,273,112; July 16; v. 252; p. 721.
Randall, Delavan W., Seattle, Wash. Calendar. No. 1,280,837; Oct. 8; v. 255; p. 227.
Randall, Egbert J. (See Barnes and Randall.)
Randall-Faichney Company, The. (See Kozmouski, John L., assignor.)
Randall-Faichney Company, The. (See Richards, John J., Jr., assignor.)
Randall-Faichney Company, The. (See Richards and Andelman, assignors.)
Randall, Horatio C., San Francisco, Cal. Fluid-operated motor. No. 1,263,108; Apr. 16; v. 249; p. 657.
Randall, John A., Minneapolis, Minn. Potato-digger. No. 1,251,575; Jan. 1; v. 246; p. 39.
Randall, John A., Minneapolis, Minn. Potato-planter. No. 1,283,892; Nov. 5; v. 256; p. 120.
Randall, John G., assignor of one-half to J. T. Shepherd, Dallas, Tex. Window washer and wiper. No. 1,274,445; Aug. 6; v. 253; p. 30.
Randall, John G., Dallas, Tex. Folding coop. No. 1,284,452; Nov. 12; v. 256; p. 295.
Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Metal-petticoat insulator. No. 1,259,443; Mar. 12; v. 248; p. 469.
Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,264,333; Apr. 30; v. 249; p. 1046.
Randall, Karl C., Edgewood Park, and H. G. MacDonald, Murraysville, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,286,101; Nov. 26; v. 256; p. 786.
Randall, Myron R., Waupaca, Wis. Gun-sight and mounting therefor. No. 1,251,694; Jan. 1; v. 246; p. 76.
Randall, Ritchard T., Mill Springs, Mo. Rerailer. No. 1,262,560; Apr. 9; v. 249; p. 472.
Randall, Tom P. (See Smith, Letha B., assignor.)
Randall, Victor E. (See White, Gwatkin, and Randall.)
Randall, Victor E., assignor of one-half to B. Gwatkin, Battle Creek, Mich. Emergency train-stopping device. No. 1,286,407; Dec. 3; v. 257; p. 55.
Randall, Wellington, Marysville, Wash. Straw-spreader. No. 1,255,052; Jan. 29; v. 246; p. 1157.
Randolph, Grover, Flournoy, Cal. Wire-fence clamp. No. 1,274,594; Aug. 6; v. 253; p. 73.
Randolph, Leonard M., assignor to High Speed Engine Corporation, Newark, N. J. Rotary engine. No. 1,268,771; June 4; v. 251; p. 198.
Randolph, Oliver W., Toledo, Ohio. Heater for grain-driers. No. 1,262,841; Apr. 16; v. 249; p. 580.
Randolph, Oliver W., Toledo, Ohio. Grain drying and salvaging railway-car. No. 1,262,842; Apr. 16; v. 249; p. 580.
Randolph, Oliver W., Toledo, Ohio. Grain and seed drier. No. 1,276,812; Aug. 27; v. 253; p. 781.
Randolph, Orrin, Lake Worth, Fla. Movable-crest dam. No. 1,263,109; Apr. 16; v. 249; p. 658.
Randolph Paper Box Company, The. (See Kusterer and Sanders, assignors.)
Rands Manufacturing Company. (See Osborne, Elmer L., assignor.)
Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Harvester. No. 1,255,930; Feb. 12; v. 247; p. 276.

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Raney, Clemma R., Chicago, and B. R. Benjamin, Oak Park, Ill., assignors to International Harvester Company of New Jersey. Cord-holder for grain-binders. No. 1,272,711; July 16; v. 252; p. 611.
Raney, Estell C., assignor to The Automatic Reclosing Circuit Breaker Company, Columbus, Ohio. Automatically-reclosing circuit-breaker. No. 1,273,786; July 23; v. 252; p. 926.
Ranger, Karl F., Detroit, and L. M. Spencer, Highland Park, Mich. Curtain for motor-vehicles. No. 1,266,990; May 21; v. 250; p. 645.
Ranger, Karl F., Detroit, Mich. Universal joint. No. 1,271,615; July 9; v. 252; p. 274.
Ranger, Karl F., Detroit, Mich. Universal joint. No. 1,271,616; July 9; v. 252; p. 274.
Ranger, Karl F., Syracuse, N. Y. Ventilator. No. 1,277,477; Sept. 3; v. 254; p. 40.
Rank, George W. (See Hoffmann and Rank.)
Ranken, Harold R., Philadelphia, Pa., assignor to The Leeds & Northrup Company. Temperature-indicating device for rubber-treating apparatus. No. 1,264,681; Apr. 30; v. 249; p. 1144.
Rankert, Charles M., Spokane, Wash. Toy. No. 1,268,998; June 11; v. 251; p. 280.
Rankin, Horace N. (See Hunter, Ira, assignor.)
Rankin, Jeff, Glendale, Ariz. Sickle attachment. No. 1,272,095; July 9; v. 252; p. 410.
Rankin, Joseph P., Plenty, Saskatchewan, Canada. Fountain-comb. No. 1,273,272; July 23; v. 252; p. 790.
Ranney, Charlotte A., *et al.* (See Ranney, Justine W., assignor.)
Ranney, Justine W., assignor of one-half to E. M. Payne and one-half to C. A. Ranney, Maynard, Iowa. Rain-spout filter. No. 1,260,277; Mar. 19; v. 248; p. 739.
Ranney, William D., Columbus, Ohio. Furnace-arch. No. 1,289,262; Dec. 31; v. 257; p. 874.
Ranscht, William C. (See Leyrer and Ranscht.)
Ransdall, Harry W., assignor of one-third to T. A. Meyer and one-third to L. H. Knue, Indianapolis, Ind. Lathe-turret. No. 1,268,277; June 4; v. 251; p. 59.
Ransom, Charles J., New York, N. Y. Footwear. No. 1,281,655; Oct. 15; v. 255; p. 480.
Ransom, Henry N., New York, N. Y. Railway-motor lubrication. No. 1,268,615; June 4; v. 251; p. 156.
Ransom, Lewis V. (See Oney and Ransom.)
Ransom, Samuel J. (See Guenzel, Ernst J., assignor.)
Ransom, Willard G., Davenport, Iowa. Brake-operating mechanism. No. 1,282,288; Oct. 22; v. 255; p. 691.
Ransome Concrete Machinery Company. (See Hudson, William H., assignor.)
Rantzau, Fritz G., Spokane, Wash. Vehicle-signal. No. 1,283,300; Oct. 29; v. 255; p. 993.
Ranz, Jacob, St. Louis, Mo. Sanitary pillow. No. 1,274,595; Aug. 6; v. 253; p. 73.
Ranz, Jacob, St. Louis, Mo. Safety device for stamping and punching presses. No. 1,283,893; Nov. 5; v. 256; p. 120.
Raper, Dalton R., High Point, N. C. Tobacco-harvesting machine. No. 1,255,790; Feb. 5; v. 247; p. 195.
Rapeport, William H. (See Kirshner, Abraham S., assignor.)
Rapid Equipment Company. (See Anthony, Stanley, assignor.)
Rapid Remountable Rim Company. (See Edstrom, Otto E., assignor.)
Rapp, Axel G. J., assignor to Link-Belt Company, Chicago, Ill. Treating granular material. No. 1,289,542; Dec. 31; v. 257; p. 944.
Rapp, Axel G. J., assignor to Link-Belt Company, Chicago, Ill. Sand-beater. No. 1,280,838; Oct. 8; v. 255; p. 228.
Rapp, Fred G. (See Bender, George E., assignor.)
Rapp, Mathew, Morton, Ill. Straw-spreading machine. No. 1,282,946; Oct. 29; v. 255; p. 899.
Rapp, Mathew, Morton, Ill. Straw-spreader. No. 1,282,947; Oct. 29; v. 255; p. 899.
Rappold, Frederick J., Erie, Pa. Hook and eye. No. 1,261,165; Apr. 2; v. 249; p. 49.
Rarig, Walter A., Oakland, Cal. Oiling system. No. 1,288,189; Dec. 17; v. 257; p. 562.
Rasch, Paul, St. Louis, Mo. Hospital-bed attachment. No. 1,255,636; Feb. 5; v. 247; p. 151.
Raschick, Charles T., St. Paul, Minn. Combined pad-holder and ticket-punch. No. 1,276,691; Aug. 20; v. 253; p. 711.
Raschick, Charles T., St. Paul, Minn. Holding-clip. No. 1,281,656; Oct. 15; v. 255; p. 480.
Raschick, Charles T., St. Paul, Minn. Pad and pencil holder. No. 1,283,557; Nov. 5; v. 256; p. 31.
Rashkis, Max. (See Rashkis, Victor and M.)
Rashkis, Victor, Rockaway Park, and M. Rashkis, Brooklyn, N. Y. Puttee. No. 1,260,449; Mar. 26; v. 248; p. 824.
Rashkovsky, Samuel, St. Louis, Mo. Drafting instrument. No. 1,286,770; Dec. 3; v. 257; p. 139.
Rasmussen, Albert E., North Yakima, Wash. Valve. No. 1,272,998; July 16; v. 252; p. 691.
Rasmussen, Alvin C. (See Insley and Rasmussen.)
Rasmussen, Andrew, Racine Junction, Wis. Power hack-saw-machine. No. 1,253,421; Jan. 15; v. 246; p. 641.
Rasmussen, Christian, assignor of one-half to C. S. Somers, Cleveland, Ohio. Circuit maker and breaker. No. 1,276,110; Aug. 20; v. 253; p. 551.
Rasmussen, George V., New York, N. Y. Automatic vacuum-cleaner. No. 1,275,747; Aug. 13; v. 253; p. 419.
Rasmussen, Herman G., Ivanhoe, Minn. Funnel. No. 1,268,054; May 28; v. 250; p. 969.
Rasmussen, Holger A. W., Rockford, Ill. Drying and transportation truck. No. 1,275,983; Aug. 13; v. 253; p. 484.
Rasmussen, Martin, assignor to Gold Medal Camp Furniture Manufacturing Company, Racine, Wis. Collapsible double cot. No. 1,258,243; Mar. 5; v. 248; p. 85.
Rasmussen, Olaf, and E. Alberti, New York, assignors to International Cork Company, Brooklyn, N. Y. Machine for removing sealing-disks from crown-corks and similar closures. No. 1,276,267; Aug. 20; v. 253; p. 594.
Rasmussen, Osvald E., West Hoboken, N. J., assignor to Western Electric Company, New York, N. Y. Automatic switch. No. 1,283,894; Nov. 5; v. 256; p. 121.
Rasmussen, Oswald E., West Hoboken, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,252,028; Jan. 1; v. 246; p. 172.
Rasmussen, Raymond, Regina, Saskatchewan, Canada. Grain-pickler. No. 1,264,438; Apr. 30; v. 249; p. 1077.
Rasmussen, Robert F., assignor to C. A. Libby Company, Oshkosh, Wis. Animal-stall. No. 1,255,931; Feb. 12; v. 247; p. 276.
Rasmussen, Sofus E., Beresford, S. D., and L. L. Kirkegaard, Blair, Nebr. Cow-tail holder. No. 1,257,739; Feb. 26; v. 247; p. 881.
Rasner, Abraham, *et al.* (See Richards, John M., assignor.)
Rasnick, Noah W., Nora, Va. Gate locking and operating mechanism. No. 1,279,000; Sept. 17; v. 254; p. 507.
Rassmann, Hugo C. (See Nottingham, Edwin I., assignor.)
Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. No. 1,254,848; Jan. 29; v. 246; p. 1101.
Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. No. 1,260,804; Mar. 26; v. 248; p. 928.
Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. No. 1,260,805; Mar. 26; v. 248; p. 928.
Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. No. 1,276,813; Aug. 27; v. 253; p. 782.
Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. No. 1,283,301; Oct. 29; v. 255; p. 993.
Rataiczak, Thomas F., and H. L. Johnston, assignors to The Hobart Manufacturing Company, Troy, Ohio. Mixing-machine. No. 1,264,128; Apr. 23; v. 249; p. 955.
Ratchet Brake Company. (See Blackall, Robert H., assignor.)
Ratchford, Thomas J., Bryant, S. D. Toy. No. 1,281,836; Oct. 15; v. 255; p. 529.
Ratcliff, John T., Eldorado, Okla. Reclining-seat for automobiles. No. 1,288,676; Dec. 24; v. 257; p. 707.
Rateau Battu Smoot Company. (See Smoot, Charles H., assignor.)
Rathbun, Edward, Toledo, Ohio. Forward and reverse drive mechanism. No. 1,274,781; Aug. 6; v. 257; p. 125.
Rathbun, George J., Toledo, Ohio. Shaft-bearing. No. 1,280,839; Oct. 8; v. 255; p. 228.
Rathbun, Henry E., Worcester, Mass. Porch-shade. No. 1,268,490; June 4; v. 251; p. 120.
Rathbun, Irving C., Whitehall, Mich. Cotter-pin extractor. No. 1,252,840; Jan. 8; v. 246; p. 437.
Rathbun, Walter E., Milan, Ill. Drive for cream-separators. No. 1,281,418; Oct. 15; v. 255; p. 418.
Rathgeb, Joseph J., Jr., New York, N. Y. Vending-machine. No. 1,272,096; July 9; v. 252; p. 411.
Rathel, Garland, *et al.* (See Coughlin, Owen J., assignor.)
Ratigan, John P., Claremont, N. H. Filing-cabinet. No. 1,274,446; Aug. 6; v. 253; p. 30.
Ratkoski, Jan. (See Chmielewski, Jozef, assignor.)
Ratliff, Stanley M., and W. L. Payne, Norwood, Ohio. Autographic register. No. 1,267,452; May 28; v. 250; p. 800.
Ratzer, John. (See Chaquette, Ephraiem, assignor.)
Rau, Earl S., Elkins Park, Pa. Electrically-controlled indicator. No. 1,260,450; Mar. 26; v. 248; p. 824.
Rau, John, Indianapolis, Ind. Glass-tempering device. No. 1,266,625; May 21; v. 250; p. 544.
Raubitschek, William. (See Rogers, William R., assignor.)
Rauch, Charles, assignor to Twinplex Sales Company, St. Louis, Mo. Razor-blade sharpener. No. 1,265,956; May 14; v. 250; p. 329.
Rauch, George F., Bijou Hills, S. D. Device for fastening overshoes or rubbers to shoes. No. 1,268,616; June 4; v. 251; p. 156.
Rauch, William A. (See Langolf, Fred T., assignor.)
Rauh, Charles S. (See Hall, George W., assignor.)
Rausch, Mathew C., Jackson, Mich. Treating emery-wheels. No. 1,278,214; Sept. 10; v. 254; p. 265.
Rauscher, Frederick, Port Richmond, N. Y. Automobile-signal. No. 1,257,117; Feb. 19; v. 247; p. 661.

Rautzenberg, Ernest G., Philadelphia, Pa. Soap holder and support. No. 1,260,045; Mar. 19; v. 248; p. 676.
Rauwald, Frank. (See Rauwald, Joseph, Sr., and F.)
Rauwald, Joseph, assignor to Key Safe Company, Milwaukee, Wis. Safe. No. 1,254,433; Jan. 22; v. 246; p. 948.
Rauwald, Joseph, Sr., and F., Milwaukee, Wis. Window-sash. No. 1,274,782; Aug. 6; v. 253; p. 126.
Raven, Frederick W., Chicago, Ill. Protected look-out device. No. 1,288,677; Dec. 24; v. 257; p. 707.
Ravenscroft, Mason. (See Fent and Ravenscroft.)
Ravert, William I., Hazleton, assignor to Standard Automatic Machine Company, Pittsburgh, Pa. Vending-machine. No. 1,260,578; Mar. 26; v. 248; p. 862.
Ravert, William I., Hazleton, assignor to Standard Automatic Machine Company, Pittsburgh, Pa. Holding device for the coin-lock and vending mechanism of coin-controlled vending-machines. No. 1,260,579; Mar. 26; v. 248; p. 863.
Ravert, William I., Hazleton, assignor to Standard Automatic Machine Company, Pittsburgh, Pa. Moistener attachment for tobacco-vending machines. No. 1,280,298; Oct. 1; v. 255; p. 52.
Ravert, William I., Hazleton, assignor to Standard Automatic Machine Company, Pittsburgh, Pa. Full-stroke mechanism for vending-machines. No. 1,280,299; Oct. 1; v. 255; p. 52.
Ravier, Sylvain L., Paris, France. Work such as retaining-walls, piers, and wharfs. No. 1,270,659; June 25; v. 251; p. 793.
Ravlin, Frederick J., and J. Lofgren, Chicago, Ill. Receptacle-to-conduit-attaching fitting. No. 1,282,289; Oct. 22; v. 255; p. 692.
Ravn, Hans P., Waterloo, Iowa. Fountain-pen. No. 1,258,458; Mar. 5; v. 248; p. 148.
Ravn, Hans P., Waterloo, Iowa. Holding means for jars. No. 1,288,190; Dec. 17; v. 257; p. 562.
Rawdon, Charles R., and J. H. Heitmann, St. Louis, Mo. Inner tube for pneumatic tires. No. 1,279,001; Sept. 17; v. 254; p. 507.
Rawley, Wayne, and W. M. Venable, Pittsburgh, Pa., assignors to Blaw-Knox Company. Clam-shell bucket. No. 1,259,129; Mar. 12; v. 248; p. 383.
Rawlings, Emmett D., Port Huron, Mich. Ventilator. No. 1,281,206; Oct. 8; v. 255; p. 328.
Rawlings, William S., Marshall, Ind. Can or jar lifter. No. 1,255,791; Feb. 5; v. 247; p. 196.
Rawlins, Horace E., Harrisburg, Ill. Method of and apparatus for raising sunken ships. No. 1,278,215; Sept. 10; v. 254; p. 265.
Rawll, Herbert F., Short Hills, N. J., assignor to Christmas Club. Coupon-book. No. 1,282,627; Oct. 22; v. 255; p. 784.
Rawls, Chester H., *et al.* (See Biggers, Lee P., assignor.)
Rawls, Paul C., Kansas City, Mo., assignor to E. Hausberg, Charles City, Iowa. Electrically-operated typewriter. No. 1,268,491; June 4; v. 251; p. 120.
Rawson, Harry H., assignor to Washington Machinery & Supply Company, Spokane, Wash. Loading device. No. 1,279,157; Sept. 17; v. 254; p. 547.
Ray, Albert D. (See Protzman and Ray.)
Ray, Albert D., *et al.* (See Ray, Rudolph W., assignor.)
Ray, Albert D., Cleveland, Ohio. Oil-bolt. No. 1,271,768; July 9; v. 252; p. 316.
Ray, Albert H., Ashland, Mass. Printing-machine. No. 1,288,191; Dec. 17; v. 257; p. 562.
Ray, Arthur J., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,262,843; Apr. 16; v. 249; p. 580.
Ray, Charles M., Asheville, N. C. Rack. No. 1,267,453; May 28; v. 250; p. 800.
Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Cultivator. No. 1,253,993; Jan. 15; v. 246; p. 802.
Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Cultivator. No. 1,280,545; Oct. 1; v. 255; p. 120.
Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Seed-hopper. No. 1,280,546; Oct. 1; v. 255; p. 120.
Ray, Eugene J., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-holding clamp. No. 1,265,382; May 7; v. 250; p. 140.
Ray, Eugene J., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-clamping mechanism. No. 1,265,383; May 7; v. 250; p. 140.
Ray, Frank A. (See Christman, Edward, assignor.)
Ray, George W., Indianapolis, Ind. Lamp-dimmer. No. 1,263,288; Apr. 16; v. 249; p. 705.
Ray, Jabez E., Toledo, Ohio. Thawing attachment for drip-pipes. No. 1,282,628; Oct. 22; v. 255; p. 784.
Ray, Rudolph W., assignor of five-tenths to A. D. Ray, four-tenths to W. Hoyt, and one-tenth to B. W. Brockett and E. L. Hyde, Cleveland, Ohio. Oil-bolt. No. 1,268,999; June 11; v. 251; p. 281.
Ray, William F., Chicago, Ill. Tire or interliner structure. No. 1,251,576; Jan. 1; v. 246; p. 39.
Ray, William H. (See Craig and Ray.)
Ray, William R., San Francisco, Cal. Oil-burner. No. 1,253,422; Jan. 15; v. 246; p. 642.
Ray, William R., San Francisco, Cal. Oil-burner. No. 1,285,376; Nov. 19; v. 256; p. 566.
Ray, Olaf E. (See Skinderviken, John, assignor.)
Raybestos Co., The. (See Simpson, Sumner, assignor.)
Raybestos Company, The. (See Kelley, Edward F., assignor.)
Raybestos Company, The. (See Kirschbraun, Lester, assignor.)
Rayburn, Charles F., Moscow, Idaho. Excavating-machine. No. 1,252,175; Jan. 1; v. 246; p. 214.
Rayburn, Edmund R., Evanston, Ill. Lubricant-packing for journal-boxes. No. 1,260,806; Mar. 26; v. 248; p. 928.
Rayfield, Charles L., Chicago, Ill. Carbureter. No. 1,265,515; May 7; v. 250; p. 176.
Rayfield, Frederick J., Chicago, Ill. Thermostatic cooling system for internal-combustion engines. No. 1,273,406; July 23; v. 252; p. 826.
Rayman, Jesse L., Louisville, Ky. Work-holding stand. No. 1,286,408; Dec. 3; v. 257; p. 55.
Raymond, Albert W. (See Lachmann, Raymond, and Senseman.)
Raymond-Barke, Cecil S. *et al.*, executors. (See Clarke, James L.)
Raymond Brothers Impact Pulverizer Company. (See Lachmann, Raymond, and Senseman, assignors.)
Raymond, Frank B., Port Jarvis, N. Y. Vehicle dumping-body. No. 1,288,678; Dec. 24; v. 257; p. 708.
Raymond, Herbert N., Olympia, Wash. Solar transit. No. 1,274,935; Aug. 6; v. 253; p. 169.
Raymond, John, Jr. (See Jacobs and Raymond.)
Raymond, John P., San Francisco, Cal. Atomizing method for making forms and containers for fibrous cohesive substances. No. 1,284,926; Nov. 12; v. 256; p. 413.
Raymond, John P., San Francisco, Cal. Atomizing apparatus for making fibrous forms and containers. No. 1,284,927; Nov. 12; v. 256; p. 414.
Raymond, John P., San Francisco, Cal. Making fibrous containers. No. 1,284,928; Nov. 12; v. 256; p. 414.
Raymond, Joseph A., Chicago, Ill. Pedestal for caskets, tables, and the like. No. 1,266,316; May 14; v. 250; p. 428.
Raymond, Nelson H., Buffalo, N. Y., assignor to Clifton Manufacturing Co., Jamaica Plain, Mass. Thread-protector for pipes. No. 1,255,463; Feb. 5; v. 247; p. 100.
Raymond, Reuben, Napa, Cal. Combination glove and mitten. No. 1,286,771; Dec. 3; v. 257; p. 140.
Raymond W. Dull Company, The. (See Dull, Raymond W., assignor.)
Raymond, William M., Long Beach, Cal. Humidifier. No. 1,271,769; July 9; v. 252; p. 316.
Raynes, Clarence R., Dallas, Tex. Pump. No. 1,285,792; Nov. 26; v. 256; p. 711.
Raynor, C. W. (See Perkins, William A., assignor.)
Raynor, Joseph W. (See Callahan and Raynor.)
Rea, Agostino, Helper, Utah. Railway attachment for bicycles. No. 1,254,434; Jan. 22; v. 246; p. 948.
Rea, Agostino, Helper, Utah. Coal-mining machine. No. 1,271,617; July 9; v. 252; p. 275.
Rea, Harry E., Red Oak, Iowa. Harrow. No. 1,262,983; Apr. 16; v. 249; p. 620.
Rea, Robert G., Winnipeg, Manitoba, Canada. Car-replacer. No. 1,287,747; Dec. 17; v. 257; p. 452.
Rea, William S., San Francisco, Cal. Apparatus for forming containers from fibrous substances. No. 1,279,586; Sept. 24; v. 254; p. 689.
Reach, Milton B., Springfield, Mass., assignor, by mesne assignments, to A. G. Spalding & Bros., Jersey City, N. J. Dummy rifle. No. 1,270,436; June 25; v. 251; p. 732.
Read, Arthur E., New York, N. Y. Electric switch. No. 1,279,437; Sept. 17; v. 254; p. 623.
Read, Arthur E., New York, N. Y. Electric switch. No. 1,280,547; Oct. 1; v. 255; p. 120.
Read, Balfour, Marion, Ind. Internal-combustion engine. No. 1,286,409; Dec. 3; v. 257; p. 55.
Read, Charles, Richmond Hill, N. Y. Garment-fastener. No. 1,268,278; June 4; v. 251; p. 59.
Read, Elkins, Lonaconing, Md. Rail-clip. No. 1,252,946; Jan. 8; v. 246; p. 468.
Read, Elmer J., Rutherford, N. J. Jointed toy figure. No. 1,283,558; Nov. 5; v. 256; p. 31.
Read, Frank P., Chicago, Ill. Record-file. No. 1,253,629; Jan. 15; v. 246; p. 698.
Read, Frank P., assignor to Automatic Container Company, Chicago, Ill. Record-file. No. 1,286,772; Dec. 3; v. 257; p. 140.
Read, Fred A., Lynn, assignor to Reece Buttonhole Machine Company, Boston, Mass. Needle-carrier for buttonhole-machines and the like. No. 1,286,410; Dec. 3; v. 257; p. 56.
Read, Fred A., and E. J. Towle, Lynn, Mass. Clutch. No. 1,279,906; Sept. 24; v. 254; p. 782.
Read, Fred A., and E. J. Towle, Lynn, Mass. Clutch. No. 1,288,192; Dec. 17; v. 257; p. 563.
Read, Joseph F., St. Louis, Mo. Combination auxiliary air-intake and primer for internal-combustion engines. No. 1,277,644; Sept. 3; v. 254; p. 88.
Read & Lovatt Manufacturing Company, The. (See West, Emerson C., assignor.)

Read, Marion G., New York, N. Y. Water-heating fireplace grate and basket. No. 1,252,176; Jan. 1; v. 246; p. 214.
Read, Richard A., Bahia, Brazil. Focusing device. No. 1,258,459; Mar. 5; v. 248; p. 148.
Read, Robert A., Toronto, Ontario, Canada. Cloth-cutter guard. No. 1,283,895; Nov. 5; v. 256; p. 121.
Read, Walter V. H. (See Toomey and Read.)
Reade, Albert E., Petersburg, Va. Adjustable spark-gap. No. 1,255,637; Feb. 5; v. 247; p. 152.
Reade, William A., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Typograph-machine. No. 1,266,156; May 14; v. 250; p. 385.
Reade, William A., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Typograph mechanism. No. 1,276,268; Aug. 20; v. 253; p. 594.
Reading, Arthur K., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Underframe for cars. No. 1,270,324; June 25; v. 251; p. 701.
Ready Tool Company, The. (See Fish, Harold, assignor.)
Reagan Bale Company. (See Taft, John A., assignor.)
Reagan, Edgar U. G., San Antonio, Tex. Differential construction. No. 1,266,712; May 21; v. 250; p. 568.
Reagan, William M., Tacoma, Wash. Scissors and shears sharpening device. No. 1,257,927; Feb. 26; v. 247; p. 934.
Ream, Fred H., Kansas City, Mo. Universal joint. No. 1,262,561; Apr. 9; v. 249; p. 472.
Ream, Louis M., Thompson, Conn. Reinforcing member for tire-beads and making same. No. 1,270,053; June 18; v. 251; p. 601.
Ream, Myrton E., Chicago, Ill. Child's toilet-seat. No. 1,267,590; May 28; v. 250; p. 839.
Ream, William L. (See Metcalf, Jefferson D., assignor.)
Reamy, Christopher S., Los Angeles, Cal. Heel-cutter. No. 1,287,748; Dec. 17; v. 257; p. 452.
Reap, Michael H., Scranton, Pa. Coal-handling-jig gate. No. 1,252,947; Jan. 8; v. 246; p. 468.
Reap, Michael H., and J. R. Fleming, Scranton, Pa. Coal-separator. No. 1,283,896; Nov. 5; v. 256; p. 121.
Reardon, P. H. (See Davol, George K., assignor.)
Reardon, Robert E., Ottawa, Ontario, Canada. Rod for target practice. No. 1,254,069; Jan. 22; v. 246; p. 844.
Reardon, Robert E., Ottawa, Ontario, Canada. Target-holder for practice-rods having casings. No. 1,254,070; Jan. 22; v. 246; p. 844.
Rearick, Charles B., assignor to A. D. Brixey, New York, N. Y. Moving-picture film. No. 1,255,338; Feb. 5; v. 247; p. 64.
Reavell & Co. (See Reavell and Jones, assignors.)
Reavell, James A., and W. G. Mann, London, England. Evaporating apparatus. No. 1,263,467; Apr. 23; v. 249; p. 777.
Reavell, William, Ipswich, England. Air-compressor. No. 1,277,752; Sept. 3; v. 254; p. 118.
Reavell, William, and E. W. Jones, Ipswich, assignors to themselves and Reavell & Co., Limited, Ipswich, England. Air-compressor. No. 1,261,437; Apr. 2; v. 249; p. 126.
Reaves, George W., Little Rock, Ark. Harrow. No. 1,266,049; May 14; v. 250; p. 354.
Reavis, Winfred E., assignor to Pacific Library Binding Company, Los Angeles, Cal. Cloth-feeding attachment for binders'-board shears. No. 1,285,377; Nov. 19; v. 256; p. 566.
Reavis, Winfred E., assignor to Pacific Library Binding Company, Los Angeles, Cal. Paper-scoring machine. No. 1,285,378; Nov. 19; v. 256; p. 566.
Reber, Caroline, Red Lodge, Mont. Underwear attachment. No. 1,259,046; Mar. 12; v. 248; p. 358.
Reber, Emil, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Monoazo dyestuffs of the pyrazolone series able to be chromated and making same. No. 1,270,325; June 25; v. 251; p. 701.
Reber, Emil, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff of the pyrazolone series and making same. No. 1,286,411; Dec. 3; v. 257; p. 56.
Rebert, Charles L. E., Los Angeles, Cal. Detachable shirt-cuff. No. 1,270,660; June 25; v. 251; p. 793.
Rebert, Charles L. E., Los Angeles, Cal. Detachable and reversible cuff for shirts. No. 1,286,102; Nov. 26; v. 256; p. 786.
Rebman, Christian, Republican City, Nebr. Stock-feeder. No. 1,271,937; July 9; v. 252; p. 364.
Rebmann, Godfrey R. (See Hultgren and Rebmann.)
Rebmann, Godfrey R., Philadelphia, Pa., and W. H. Hultgren, Roselle Park, N. J. Chair. No. 1,265,384; May 7; v. 250; p. 141.
Rebner, Joseph. (See Terlesky, Max B., assignor.)
Recen, Henry A. (See Knorr, Theodore H., assignor.)
Reciprocating Electric Tool Company. (See Roberts, John J., assignor.)
Reck, John W., Kingsburg, Cal. Stool. No. 1,265,516; May 7; v. 250; p. 176.
Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Vacuum-bottle. No. 1,260,046; Mar. 19; v. 248; p. 676.
Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Vacuum-bottle. No. 1,260,047; Mar. 19; v. 248; p. 676.
Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Folding pocket game-board. No. 1,266,857; May 21; v. 250; p. 607.
Recker, Adolph C., Oakville, assignor to Waterbury M'f'g Co., Waterbury, Conn. Flash-light case. No. 1,280,300; Oct. 1; v. 255; p. 52.
Recker, Adolph C., Oakville, assignor to Waterbury M'f'g Co., Waterbury, Conn. Miner's lamp. No. 1,283,897; Nov. 5; v. 256; p. 121.
Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Combined shade-holder and socket-cover. No. 1,287,434; Dec. 10; v. 257; p. 343.
Reckers, Ambrose H., Dayton, Ohio. Combined chip-rack, cigar-holder, and ash-tray. No. 1,263,110; Apr. 16; v. 249; p. 658.
Recklinghausen, Max von. (See Henri, Helbronner, and Recklinghausen.)
Recklinghausen, Max von, Suresnes, France, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Seal for vapor electric apparatus. No. 1,271,245; July 2; v. 252; p. 140.
Recklinghausen, Max von, A. Helbronner, and V. Henri, Paris, France, assignors, by mesne assignments, to The R. U. V. Company, Inc. Sterilizing liquids. No. 1,271,246; July 2; v. 251; p. 140.
Reckow, Paul, Chicago, Ill. Machine for setting the edge joints of veneer strips. No. 1,279,587; Sept. 24; v. 254; p. 689.
Recording and Computing Machines Company, The. (See Bechtolt, Clarence E., assignor.)
Recording and Computing Machines Company, The. (See Burkitt, Floyd A., assignor.)
Recording and Computing Machines Company, The. (See Groves, Frank A., assignor.)
Recording and Computing Machines Company, The. (See Wuebben, Bernard H., assignor.)
Rectenwald, John J., Logan, Ohio. Running-board saddle. No. 1,269,306; June 11; v. 251; p. 367.
Rector, Alcorn, Cleveland, Ohio. Sound-modifying means. No. 1,275,089; Aug. 6; v. 253; p. 212.
Rector, Enoch, New York, N. Y. Camera. No. 1,262,255; Apr. 9; v. 249; p. 386.
Recuero, J. Gabriel, Panama, Panama. Aeroplane. No. 1,272,712; July 16; v. 252; p. 611.
Redburn, George W., and C. Heilrath, Sacramento, Cal. Resilient vehicle-wheel. No. 1,253,280; Jan. 15; v. 246; p. 596.
Red-Devil-Speed Hammer Company, The. (See Cayo, Julius N., assignor.)
Redd, Charlie, assignor to I. Pieser, Chicago, Ill. Carton filling and weighing machine. No. 1,262,256; Apr. 9; v. 249; p. 386.
Redd, William P., *et al.* (See Coffee, Robert W., assignor.)
Redden, John H., Ogden, Utah. Seed-planter. No. 1,261,291; Apr. 2; v. 249; p. 85.
Redditt, Bruce H., Baltimore, Md. Type-writer. No. 1,264,557; Apr. 30; v. 249; p. 1110.
Redecker, Charles, assignor of one-half to R. V. Board, Louisville, Ky. Door construction for convertible automobile-bodies. No. 1,269,307; June 11; v. 251; p. 367.
Redfern, Thomas C., Hyde, England. Shoe-sole. No. 1,255,107; Jan. 29; v. 246; p. 1172.
Redfield, Casper L. (See Folger and Redfield.)
Redfield, Casper L., trustee. (See Lundquist, Frank A., assignor.)
Redfield, Cleveland, Ogden, Utah, assignor to Automatic Controller and Manufacturing Company. Circuit-controlling device. No. 1,273,092; July 16; v. 252; p. 716.
Redfield, Josiah B., North Platte, Nebr. Mouth-gag. No. 1,252,177; Jan. 1; v. 246; p. 214.
Redfield, Robert S., Chicago, Ill. Hog dehairing, polishing, and scraping machine. No. 1,274,596; Aug. 6; v. 253; p. 74.
Reding & Hauser. (See Hauser, Charles E., assignor.)
Redington, Frank B. (See Milmoe and Redington.)
Redman, Lawrence V., Evanston, and A. J. Weith and F. P. Brock, assignors to Redmanol Chemical Products Company, Chicago, Ill. Preparing and handling phenolic-condensation-product varnish. No. 1,261,615; Apr. 2; v. 249; p. 176.
Redmanol Chemical Products Company. (See Redman, Weith and Brock, assignors.)
Redtop Electric Company. (See Rice, Harold A., assignor.)
Reducing Machine Company, The. (See Gardner, James P., assignor.)
Reece Button Hole Machine Company, The. (See Hagelstein, Christian H. T., assignor.)
Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reece Buttonhole Machine Company. (See Read, Fred A., assignor.)
Reece Button Hole Machine Company. (See Reece, John, assignor.)
Reece Button Hole Machine Company, The. (See Zaleski, Frank, assignor.)
Reece, John, Manchester, assignor to The Reece Button Hole Machine Company, Boston, Mass. Stopping and starting mechanism. No. 1,281,657; Oct. 15; v. 255; p. 480.
Reece, Karl W. P., Roxbury, Mass. Knitting-needle. No. 1,261,853; Apr. 9; v. 249; p. 276.

Reece, Llewellyn, New York, N. Y. Note or check and printing the same. No. 1,261,292; Apr. 2; v. 249; p. 85.
Reece Shoe Machinery Company. (See Perri, Angelo, assignor.)
Reece Shoe Machinery Company. (See Schoenky, August R., assignor.)
Reece Shoe Machinery Company. (See Zaleski, Frank, assignor.)
Reece Shoe Machinery Company. (See Zaleski and Schoenky, assignors.)
Reed, Addison P., Syracuse, N. Y. Contact. No. 1,278,013; Sept. 3; v. 254; p. 186.
Reed, Alfred E., *et al.* (See McCaffrey, Thomas J., assignor.)
Reed, Almon A., Alcester, S. D. Spring-wheel. No. 1,277,753; Sept. 3; v. 254; p. 118.
Reed, Andrew H., Kansas City, Mo. Power-driven farm implement. No. 1,267,803; May 28; v. 250; p. 899.
Reed, Andrew H., Kansas City, Mo. Harrow. No. 1,268,150; June 4; v. 251; p. 23.
Reed, Andrew H., assignor of one-half to H. Sahler, Kansas City, Mo. Mowing-machine. No. 1,275,599; Aug. 13; v. 253; p. 376.
Reed, Andrew H., assignor of one-half to H. Sahler, Kansas City, Mo. Tractor. No. 1,275,600; Aug. 13; v. 253; p. 376.
Reed, Charles E., Fargo, N. D. Pants-hanger. No. 1,260,451; Mar. 26; v. 248; p. 824.
Reed, Charles E., Chicago, Ill. Pattern-cutting machine. No. 1,274,196; July 30; v. 252; p. 1080.
Reed, Clarence E., Houston, Tex. Drill-head. No. 1,279,759; Sept. 24; v. 254; p. 739.
Reed, Clarence E., Houston, Tex. Reaming-drill. No. 1,284,453; Nov. 12; v. 256; p. 295.
Reed, Clarence E., Houston, Tex. Boring-drill. No. 1,263,802; Apr. 23; v. 249; p. 867.
Reed, Clinton G., Pittsburgh, Pa. Cleaning compound. No. 1,266,713; May 21; v. 250; p. 568.
Reed, Daniel W., Jackson, Miss. Clothes-drying device. No. 1,260,807; Mar. 26; v. 248; p. 928.
Reed, Ed, Basin, Wyo. Barrel-support. No. 1,288,193; Dec. 17; v. 257; p. 563.
Reed, Edward, Pittsburgh, Pa. Seal-envelop. No. 1,282,629; Oct. 22; v. 255; p. 785.
Reed, Edwin E., Guthrie, Okla. Valve-grinder. No. 1,268,617; June 4; v. 251; p. 156.
Reed, Emerson G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Windings and insulation for electric apparatus. No. 1,259,444; Mar. 12; v. 248; p. 469.
Reed, Fred R., assignor of one-half to L. J. McKenney, Detroit, Mich. Vehicle-lamp. No. 1,266,157; May 14; v. 250; p. 385.
Reed, Frederick W., South Bend, Ind. Embossing attachment for printing-presses. No. 1,268,618; June 4; v. 251; p. 156.
Reed, George C. (See Winton and Reed.)
Reed, George H., Barneveld, Wis. Wheel-rim. No. 1,259,284; Mar. 12; v. 248; p. 423.
Reed, George T. (See Daniels and Reed.)
Reed, Harrison P., and W. C. Kennedy, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,262,257; Apr. 9; v. 249; p. 386.
Reed, Harvey D. (See Goodrich and Reed.)
Reed, James H. (See Lawson and Reed.)
Reed, James H., Philadelphia, Pa. Process and apparatus for the recovery of float metal from water containing the same. No. 1,262,984; Apr. 16; v. 249; p. 621.
Reed, James H., Swampscott, Mass. Tack-making machine. No. 1,272,097; July 9; v. 252; p. 411.
Reed, John F., Ottumwa, Iowa. Staple forming and setting mechanism for shoe-button-attaching machines. No. 1,279,002; Sept. 17; v. 254; p. 508.
Reed, John H., Lancaster, Wis. Planter. No. 1,274,447; Aug. 6; v. 253; p. 30.
Reed, Leo S., assignor to Wiley Pump & Manufacturing Co., McKeesport, Pa. Governor-blade pump. No. 1,252,841; Jan. 8; v. 246; p. 437.
Reed-Lethbridge, William, Wellington, New Zealand. Illuminated sign. No. 1,274,907; Aug. 6; v. 253; p. 161.
Reed, Lowerre B., Rutherford, N. J. Pneumatic saddle-post and pump. No. 1,270,661; June 25; v. 251; p. 794.
Reed, Luke D., Burnham, Ill. Door-fastener. No. 1,277,754; Sept. 3; v. 254; p. 118.
Reed, Luther C., Dallas, Tex. Drier. No. 1,276,957; Aug. 27; v. 253; p. 819.
Reed, Luther P., Schenectady, N. Y. Contact-shoe for electric cranes. No. 1,286,103; Nov. 26; v. 256; p. 786.
Reed, Mack B., La Fayette, Tex. Planter. No. 1,260,808; Mar. 26; v. 248; p. 929.
Reed Manufacturing Company. (See Hughes, John A., assignor.)
Reed Manufacturing Company. (See Tozer, Archibald B., assignor.)
Reed, Matthew H., Chicago, Ill. Coin-controlled scale. No. 1,260,048; Mar. 19; v. 248; p. 676.
Reed, Merle E., Kane, Pa. Door-securer. No. 1,288,988; Dec. 24; v. 257; p. 781.
Reed, Oscar B., Mount Pleasant, Tenn. Wire-stretcher. No. 1,276,111; Aug. 20; v. 253; p. 551.
Reed, Peter, Quincy, Mass. Tire-motor. No. 1,276,112; Aug. 20; v. 253; p. 551.
Reed, Robert B. (See Young and Reed.)
Reed, Rodney E., Bellevue, Idaho. Camera. No. 1,260,049; Mar. 19; v. 248; p. 677.
Reed, Thomas H., Newark, N. J. Sound-amplifier. No. 1,279,438; Sept. 17; v. 254; p. 623.
Reed, Thomas H., Newark, N. J. Talking-machine. No. 1,279,439; Sept. 17; v. 254; p. 623.
Reed, Thomas H., Newark, N. J. Diaphragm for acoustic instruments. No. 1,281,419; Oct. 15; v. 255; p. 419.
Reed, Thomas H., Clayton, Mo. Automobile-wind-shield shade. No. 1,285,379; Nov. 19; v. 256; p. 567.
Reed, Verner Z. (See Day, David T., assignor.)
Reed, Walter C., Dalton, assignor to The Telelectric Company, Pittsfield, Mass. Circuit-controller. No. 1,267,454; May 28; v. 250; p. 800.
Reed, Walter C., Dalton, assignor to The Telelectric Company, Pittsfield, Mass. Circuit-controller. No. 1,272,317; July 9; v. 252; p. 473.
Reed, William H., Portland, Oreg. Dredging apparatus. No. 1,268,387; June 4; v. 251; p. 91.
Reed, William R., assignor of one-half to A. Welch, Toronto, Ontario, Canada. Combined ash sifter and receptacle. No. 1,271,223; July 2; v. 252; p. 134.
Reed, William W., Buffalo, N. Y. Food composition. No. 1,255,638; Feb. 5; v. 247; p. 152.
Reed, Willis C., Cambridge, Ill. Burglar-alarm. No. 1,254,849; Jan. 29; v. 246; p. 1101.
Reeder, Joseph H., St. Louis, Mo. Vulcanizer. No. 1,264,974; May 7; v. 250; p. 28.
Reeder, Purley L., Alton, Ill. Combined pitch-gage. No. 1,269,509; June 11; v. 251; p. 421.
Reedy, James A., *et al.* (See Chase, George B., assignor.)
Reedy, Michael, Memphis, Tenn. Rail-fastening means. No. 1,285,380; Nov. 19; v. 256; p. 567.
Reeks, Arthur W., Upper Montclair, N. J. Plant-setter. No. 1,288,194; Dec. 17; v. 257; p. 563.
Rees, Edmund S. G., Stafford, England. Evacuation and compression of gases. No. 1,252,178; Jan. 1; v. 246; p. 215.
Rees, Frank W., Portland, Oreg., assignor of one-half to M. I. Rees, Seattle, Wash. Clamp. No. 1,276,692; Aug. 20; v. 253; p. 712.
Rees, James P. (See Strick and Reese.)
Rees, Jesse W., St. Paul, Minn. Stump-puller. No. 1,259,445; Mar. 12; v. 248; p. 469.
Rees, Jesse W., St. Paul, Minn. Lifting-jack. No. 1,288,989; Dec. 24; v. 257; p. 782.
Rees, John G., Philadelphia, Pa. Rail-fastener. No. 1,258,460; Mar. 5; v. 248; p. 149.
Rees, Llewelyn M., Toronto, Ontario, Canada. Weather-strip. No. 1,282,290; Oct. 22; v. 255; p. 692.
Rees, Myrtle I. (See Rees, Frank W., assignor.)
Reese, Alba D., Bisbee, Ariz. Registering device. No. 1,264,439; Apr. 30; v. 249; p. 1078.
Reese, Charles C., San Francisco, Cal. Loaf-sugar-packing machine. No. 1,269,115; June 11; v. 251; p. 313.
Reese, Frank, Minneapolis, Minn. Portable grooving-tool. No. 1,271,618; July 9; v. 252; p. 275.
Reese, Joel A., Atlanta, Ga. Antiskidding device for vehicle-tires. No. 1,256,729; Feb. 19; v. 247; p. 549.
Reese, Louis C., assignor to Werner & Pfleiderer Co., Inc., Saginaw, Mich. Oven-furnace. No. 1,253,188; Jan. 8; v. 246; p. 541.
Reetz, Edwin A., Hooper, Nebr. Hoisting mechanism. No. 1,286,773; Dec. 3; v. 257; p. 140.
Reeve, Henry E., Brooklyn, N. Y. Electrical signaling apparatus. No. 1,258,144; Mar. 5; v. 248; p. 57.
Reeve, Henry E., Brooklyn, N. Y. Gong construction. No. 1,285,381; Nov. 19; v. 256; p. 567.
Reeve, Sidney A., Tompkinsville, N. Y. Internal-combustion engine. No. 1,253,528; Jan. 15; v. 246; p. 670.
Reeve, Sidney A., New York, N. Y., assignor, by mesne assignments, to Rotary Meter Company. Compensating meter. No. 1,278,077; Sept. 3; v. 254; p. 203.
Reeve, Vere L., Ballarat East, Victoria, Australia. Offset-printing machine. No. 1,259,285; Mar. 12; v. 248; p. 423.
Reeves, Carl H. (See McClure, Reeves, and Boulton.)
Reeves, Carlos J., Maricopa, Cal. Heaving-plug. No. 1,271,770; July 9; v. 252; p. 317.
Reeves, Clifton, Trenton, N. J. Steam-valve. No. 1,271,938; July 9; v. 252; p. 364.
Reeves, Frank N., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,252,948; Jan. 8; v. 246; p. 469.
Reeves, Frank N., Newark, N. J., and A. E. Lundell, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Telephone-line-selecting system. No. 1,257,392; Feb. 26; v. 247; p. 777.
Reeves, Frederick W., Pittsburgh, Pa. Current-rectifying commutator. No. 1,275,601; Aug. 13; v. 253; p. 377.
Reeves, Herbert J., New York, N. Y. Sprinkler-nozzle. No. 1,271,939; July 9; v. 252; p. 364.
Reeves, Herbert K., London, England. Grating, defibrating, or pulping machine. No. 1,268,619; June 4; v. 251; p. 157.
Reeves, John R., Dallas, Tex. Card-file cabinet. No. 1,285,793; Nov. 26; v. 256; p. 711.

Reeves, Loula S., Warren, Ohio. Toy figure. No. 1,273,538; July 23; v. 252; p. 861.
Reeves Manufacturing Company, The. (See Krantz, Joseph A., assignor.)
Reeves, Milton O., assignor to Reeves Pulley Company, Columbus, Ind. Grinding-machine. No. 1,264,129; Apr. 23; v. 249; p. 956.
Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,278,748; Sept. 10; v. 254; p. 408.
Reeves Pulley Company. (See Reeves, Milton O., assignor.)
Reeves, Samuel V., Haddonfield, N. J. Stove. No. 1,255,227; Feb. 5; v. 247; p. 32.
Reeves, Walter P., Maricopa, Cal. Underreamer for drilling oil-wells. No. 1,283,559; Nov. 5; v. 256; p. 31.
Refiners Engineering & Supply Company. (See Munro, Alfred G., assignor.)
Refining Products Corporation. (See Mumford, Russell W., assignor.)
Refrigerator Specialties Company. (See Hansen, Charles C., assignor.)
Rega, Mike, Mount Pleasant, Pa. Combination door-lock. No. 1,287,435; Dec. 10; v. 257; p. 343.
Regal Button Works. (See Edelson, Harry, assignor.)
Regal Shoe Company. (See Bliss, Elmer J., assignor.)
Regal, John, Jr., Lundgren, Minn. Trap. No. 1,253,886; Jan. 15; v. 246; p. 773.
Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom-controlling mechanism. No. 1,259,668; Mar. 19; v. 248; p. 564.
Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop-motion. No. 1,265,112; May 7; v. 250; p. 68.
Regan, John, New Bedford, and A. F. Morell, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-placer for looms. No. 1,259,667; Mar. 19; v. 248; p. 563.
Regan, William J., assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft-gear yoke. No. 1,259,446; Mar. 12; v. 248; p. 470.
Regan, William J., assignor to McConway & Torley Company, Pittsburgh, Pa. Draft-gear yoke. No. 1,259,447; Mar. 12; v. 248; p. 470.
Regel, Carl W., Evansville, Ind. Fence-post. No. 1,267,116; May 21; v. 250; p. 681.
Regenstein, Joseph, Chicago, Ill. Manufacture of door-panels and the like. No. 1,259,286; Mar. 12; v. 248; p. 423.
Regenstein, Joseph, Chicago, Ill. Door-panel and the like. No. 1,259,287; Mar. 12; v. 248; p. 424.
Regina Company, The. (See Gubelman, Frederick J., assignor.)
Regnier, Joseph, assignor to himself and P. Render, Paris, France. Regulator for X-ray tubes. No. 1,276,568; Aug. 20; v. 253; p. 678.
Rehak, James. (See Bigelow, Cadden, and Rehak.)
Rehbin, Conrad, assignor to Hayes Manufacturing Company, Detroit, Mich. Embossing-press. No. 1,267,591; May 28; v. 250; p. 839.
Rehbein, Conrad, assignor to Hayes Manufacturing Co., Detroit, Mich. Edge-bending machine. No. 1,272,999; July 16; v. 252; p. 691.
Rehberger, George E., Phoenix, Md. Soil-pulverizer. No. 1,287,749; Dec. 17; v. 257; p. 453.
Rehe, Gustav, Chicago, Ill. Latch. No. 1,286,774; Dec. 3; v. 257; p. 140.
Rehfuss, John G. (See Tily and Rehfuss.)
Rehfuss, Martin O. (See Tily and Rehfuss.)
Rehfuss, Martin O., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Cutting device. No. 1,263,803; Apr. 23; v. 249; p. 867.
Rehrauer, Randolph, Two Rivers, Wis. Rain-trough support. No. 1,272,527; July 16; v. 252; p. 556.
Rehwaldt, William D., Germania, Wyo. Water-gate. No. 1,269,855; June 18; v. 251; p. 550.
Reiber, Harry P. (See Gibbs and Reiber.)
Reich, John C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine for cutting and spacing soft-rubber rods and the like. No. 1,257,960; Feb. 26; v. 247; p. 943.
Reich, Valdemar F., Pittsburgh, Pa. Animal-trap. No. 1,273,185; July 23; v. 252; p. 768.
Reich, William A., Estherville, Iowa. Auto tail-light. No. 1,179,003; Sept. 17; v. 254; p. 508.
Reichard, Willis E. (See Worthington and Reichard.)
Reichard, Wade H., Troy, N. Y., assignor to Federal Signal Company. Combined safety-circuit controller and indication means for electric interlocking and traffic-controlling systems. No. 1,289,263; Dec. 31; v. 257; p. 874.
Reiche, Max O., Milwaukee, Wis. Soil-testing apparatus. No. 1,259,669; Mar. 19; v. 248; p. 564.
Reiche, Oswald, Rolf, Nebr. Four-wheel drive mechanism. No. 1,262,562; Apr. 9; v. 249; p. 472.
Reichelt, Ernest A., Lorquon, Victoria, Australia. Combined cultivator and seed and fertilizer sowing implement. No. 1,263,111; Apr. 16; v. 249; p. 659.
Reichelt, Ernest A., Lorquon, Victoria, Australia. Four-wheel drive for motor-vehicles. No. 1,268,279; June 4; v. 251; p. 59.
Reichenbach, Frank A., Boone, Iowa. Tractor. No. 1,288,679; Dec. 24; v. 257; p. 708.
Reichenbach, Henry M., Detroit, Mich. Fuel-supplying device for internal-combustion engines. No. 1,254,355; Jan. 22; v. 246; p. 926.
Reichenbach, Henry M., Detroit, Mich. Nebulizer and vaporizer for internal-combustion engines. No. 1,254,356; Jan. 22; v. 246; p. 927.
Reichenberger, Leo H., Mount Hope, Kans. Hub attachment. No. 1,251,920; Jan. 1; v. 246; p. 142.
Reichert, August F., and J. Pichler, Milwaukee, Wis. Machine for bending flanged bars. No. 1,287,750; Dec. 17; v. 257; p. 453.
Reichert, Gabriel A., Chicago, Ill., assignor to The American Multigraph Company, Cleveland, Ohio. Adjustable supporting device for type-holding segments. No. 1,275,472; Aug. 13; v. 253; p. 341.
Reichert, John, Racine, Wis. Hame and trace connection. No. 1,254,275; Jan. 22; v. 246; p. 903.
Reichert, Paul F. (See Hansen, Niels M., assignor.)
Reichhelm, George L., assignor, by mesne assignments, to P. P. R. Manufacturing Company, Detroit, Mich. Stamp vending and affixing machine. No. 1,274,448; Aug. 6; v. 253; p. 30.
Reichmann, Fritz. (See Boyle and Reichmann.)
Reichmann, Martin, Beuthen, Germany. Utilizing waste leather. No. 1,257,025; Feb. 19; v. 247; p. 637.
Reichmuth, Erwin F., Ripon, Wis. Laundry-mailing packet. No. 1,286,104; Nov. 26; v. 256; p. 786.
Reid, Allan E., assignor to E. F. Bowen, Providence, R. I. Portable water-heater. No. 1,271,487; July 2; v. 252; p. 204.
Reid, Andrew S. (See Reid, Robert, assignor.)
Reid, David M., Hamilton, Ontario, Canada. Anchor. No. 1,264,682; Apr. 30; v. 249; p. 1145.
Reid, Edward W., Detroit, Mich. Camping-wagon. No. 1,280,840; Oct. 8; v. 255; p. 228.
Reid, Edward W., Detroit, Mich. Camping-wagon. No. 1,280,841; Oct. 8; v. 255; p. 229.
Reid, Edward W., Detroit, Mich. Wagon. No. 1,283,898; Nov. 5; v. 256; p. 122.
Reid, Edward W., Detroit, Mich. Camping-wagon. No. 1,285,794; Nov. 26; v. 256; p. 711.
Reid, Elton F., Waco, Tex. Irrigating plants. No. 1,278,216; Sept. 10; v. 254; p. 265.
Reid, Elton F., Waco, Tex. Apparatus for irrigating plants. No. 1,278,217; Sept. 10; v. 254; p. 265.
Reid, Irene, Framingham, Mass., assignor, by mesne assignments, to People of the United States of America. Surgical dressing. No. 1,284,143; Nov. 5; v. 256; p. 186.
Reid, John, New York, N. Y. Suction-dredge. No. 1,254,357; Jan. 22; v. 246; p. 927.
Reid, John, New York, N. Y. Suction dredge-head. No. 1,263,468; Apr. 23; v. 249; p. 777.
Reid, John, New York, N. Y. Ship. No. 1,271,081; July 2; v. 252; p. 92.
Reid, Joseph S., Olean, N. Y. Boring apparatus. No. 1,281,420; Oct. 15; v. 255; p. 419.
Rein, Lester E., and J. W. Cox, assignors to Pacific Flush Tank Company, Chicago, Ill. Device for activating sludge. No. 1,286,775; Dec. 3; v. 257; p. 140.
Reid, Murdoch & Company. (See McNeill, Thomas W., assignor.)
Reid, Ralph E., Brooklyn, N. Y. Puzzle. No. 1,274,593; Aug. 6; v. 253; p. 73.
Reid, Robert, Glasgow, Scotland. Securing of tires on the wheels of road-vehicles. No. 1,258,461; Mar. 5; v. 248; p. 149.
Reid, Robert, assignor of one-half to A. S. Reid, Beverly, Mass. Lasting-machine. No. 1,261,959; Apr. 9; v. 249; p. 305.
Reid, Robert V., Cottonwood, Ala. Resilient wheel. No. 1,274,449; Aug. 6; v. 253; p. 31.
Reid, Thomas H. (See Bennet and Reid.)
Reid, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Railway-train-despatching circuit. No. 1,266,158; May 14; v. 250; p. 385.
Reid, William, assignor to A. L. Payton, Chicago, Ill. Carbureter. No. 1,283,302; Oct. 29; v. 255; p. 993.
Reif, Ellen W., Lindenwold, N. J. Toy. No. 1,252,616; Jan. 8; v. 246; p. 374.
Reifel, Charles A., New York, N. Y. Transmitter. No. 1,278,505; Sept. 10; v. 254; p. 342.
Reiferscheid, William, Chicago, Ill. Propeller. No. 1,286,105; Nov. 26; v. 256; p. 786.
Reiff, Anne, Jamaica Plain, Mass. Method of ornamenting. No. 1,260,050; Mar. 19; v. 248; p. 677.
Reiff, Samuel, Beaver Dam, Wis. Paste-applying machine. No. 1,278,384; Sept. 10; v. 254; p. 310.
Reifsnyder, James D. (See Smith and Reifsnyder.)
Reifsnyder, James D., assignor to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Label-applying machine. No. 1,254,276; Jan. 22; v. 246; p. 903.
Reifsnyder, James D., Philadelphia, assignor to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Wrapped package. No. 1,257,393; Feb. 26; v. 247; p. 777.
Reifsnyder, James D., assignor to Stokes & Smith Company, Philadelphia, Pa. Sheet feeding and gumming machine. No. 1,282,950; Oct. 29; v. 255; p. 901.

Reifsnyder, James D., and W. A. Weightman, Philadelphia, assignors to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Catalogue-wrapping machine. No. 1,269,308; June 11; v. 251; p. 367.
Reifsnyder, James D., W. A. Weightman, and E. G. Rider, assignors to Stokes & Smith Company, Philadelphia, Pa. Automatic blank feeding, gumming, and wrapping machine. No. 1,282,948; Oct. 29; v. 255; p. 900.
Reifsnyder, James D., Weehawken, N. J., W. A. Weightman, and E. G. Rider, Philadelphia, Pa., assignors to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Automatic blank feeding and gumming machine. No. 1,282,949; Oct. 29; v. 255; p. 900.
Reiling, Theodore G., Louisville, Ky. Tag-printing press. No. 1,252,949; Jan. 8; v. 246; p. 469.
Reilly, Edgar J. (See McClure and Reilly.)
Reilly, Frank D. (See Mussino, Michel, assignor.)
Reilly, Francis J., New York, assignor to C. S. and D. Palmer, Saranac Lake, N. Y. Pencil-sharpener clip. No. 1,255,932; Feb. 12; v. 247; p. 276.
Reilly, John F., Somerville, Mass. Eye for handles and the like. No. 1,260,709; Mar. 26; v. 248; p. 901.
Reilly, Matthew J., assignor of one-half to T. F. Early, New York, N. Y. Safety attachment for gas-engine cranks. No. 1,276,694; Aug. 20; v. 253; p. 712.
Reilly, Peter F., Briarcliff Manor, N. Y. Toilet for railway-cars. No. 1,270,211; June 18; v. 251; p. 643.
Reilly, Philip C., Brooklyn, N. Y. Salt-cellar. No. 1,274,597; Aug. 6; v. 253; p. 74.
Reilly, Sidney G. (See Josephson, Walter S., assignor.)
Reilly, Vincent A., Tessier, Saskatchewan, Canada. Plow. No. 1,262,563; Apr. 9; v. 249; p. 472.
Reilly, William F., New York, N. Y. License-plate holder. No. 1,259,555; Mar. 19; v. 248; p. 534.
Reilly, William J., and D. V. Sickman, Denver, Colo. Hydraulic cartridge apparatus. No. 1,271,940; July 9; v. 252; p. 364.
Reily, Daniel J., San Francisco, Cal. Plant-holder. No. 1,272,713; July 16; v. 252; p. 611.
Reily, Daniel J., and A. De Mattei, San Francisco, Cal. Core. No. 1,286,106; Nov. 26; v. 256; p. 787.
Reily, John P., St. Louis, Mo. Boot or shoe heel. No. 1,272,098; July 9; v. 252; p. 411.
Reily, John P., St. Louis, Mo. Boot or shoe heel. No. 1,275,748; Aug. 13; v. 253; p. 419.
Reimann, Paul F., Chicago, Ill. Concrete-mixer. No. 1,254,935; Jan. 29; v. 246; p. 1126.
Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Holder for broom-handles or the like. No. 1,279,440; Sept. 17; v. 254; p. 624.
Reimer, Heinrich W., Steinbach, and J. L. Penner, Winnipeg, Manitoba, Canada. Detachable ferrule. No. 1,265,113; May 7; v. 250; p. 68.
Reimers, John F., Millard, Nebr. Lever mechanism for sulky-plows. No. 1,266,317; May 14; v. 250; p. 429.
Reimuller, Dagmar H., Morris Plains, N. J. Luting or cementing composition. No. 1,269,116; June 11; v. 251; p. 313.
Rein, Adolf, New York, N. Y. Life-belt. No. 1,284,773; Nov. 12; v. 256; p. 374.
Reinert, John, and J. J. McMurray, Millvale, Pa. Automatic egg-boiler. No. 1,284,454; Nov. 12; v. 256; p. 295.
Reinert, John F. (See Jordan and Reinert.)
Reinert, John F., South Elgin, Ill. Automatic weighing-machine. No. 1,276,958; Aug. 27; v. 253; p. 819.
Reinhalter, Peter, Wilkes-Barre, Pa. Connector for outlet-boxes. No. 1,272,714; July 16; v. 252; p. 611.
Reinhard, Norman A., assignor to Henry Likly & Company, Rochester, N. Y. Locking mechanism for trunks. No. 1,282,291; Oct. 22; v. 255; p. 693.
Reinhardt, Alvin A., Berea, Ohio. Dispensing-receptacle. No. 1,288,195; Dec. 17; v. 257; p. 563.
Reinhardt, Carl. (See Sonderegger, Messmer, and Errich, assignors.)
Reinhardt, James H., East Orange, N. J. Profile-gage. No. 1,261,438; Apr. 2; v. 249; p. 127.
Reinhardt, Henry B., trustee. (See Noah, Robert S., assignor.)
Reinhart, Earl H., Shell Lake, Wis. Dirigible headlight for automobiles. No. 1,266,626; May 21; v. 250; p. 544.
Reinhart, Ernest, and A. Moe, Eau Claire, Wis. Trap clean-out. No. 1,265,248; May 7; v. 250; p. 103.
Reinhold, William F., Buffalo, N. Y. Driving mechanism for aeroplanes, &c. No. 1,279,907; Sept. 24; v. 254; p. 783.
Reinicker, William H., Yeddo, Ind. Nut-lock. No. 1,261,616; Apr. 2; v. 249; p. 176.
Reinig, John P., Buffalo, N. Y. Hook. No. 1,260,710; Mar. 26; v. 248; p. 902.
Reinke, Eugene A., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Device for moisture and gas proof telephone sets. No. 1,267,804; May 28; v. 250; p. 899.
Reinlie, William F., assignor to Illinois Tool Works, Chicago, Ill. Chuck. No. 1,254,071; Jan. 22; v. 246; p. 845.
Reins, Jacob, and S. G. Eggleston, Iroquois, S. D. Babbitting-jig. No. 1,260,452; Mar. 26; v. 248; p. 824.
Reinschmidt, John, New York, N. Y. Undergarment. No. 1,271,082; July 2; v. 252; p. 93.
Reinsdorf, Carl E. W., Humboldt, Saskatchewan, Canada. Snap-coupling. No. 1,284,455; Nov. 12; v. 256; p. 296.
Reis, Benjamin. (See Reis, Julius M. and B.)
Reis, Julius M. and B., assignors to G. Reis & Bro., New York, N. Y. Combined stamping-out and marking die. No. 1,283,899; Nov. 5; v. 256; p. 122.
Reiser, Alfred W., assignor to The Western Gas Fixture Co., Toledo, Ohio. Chandelier cluster-hook. No. 1,255,639; Feb. 5; v. 247; p. 152.
Reiser, Leiser. (See Weissman and Reiser.)
Reiser, Louis A., assignor of one-half to G. Wegner, Waterbury, Conn. Broom-holder. No. 1,262,258; Apr. 9; v. 249; p. 387.
Reiser, Sigmund, Cincinnati, Ohio. Locking device for motor-vehicles. No. 1,260,051; Mar. 19; v. 248; p. 677.
Reiser, Sigmund, Cincinnati, Ohio. Locking device for motor-vehicles. No. 1,271,941; July 9; v. 252; p. 364.
Reising, Eugene G., Hartford, Conn. Sight for guns. No. 1,279,908; Sept. 24; v. 254; p. 783.
Reisinger, George, assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,267,592; May 28; v. 250; p. 839.
Reisner, Max, Coney Island, N. Y. Cutter-chuck. No. 1,274,598; Aug. 6; v. 253; p. 74.
Reiss, Theodore, Garfield, N. J. Shade and curtain-pole supporting bracket. No. 1,259,288; Mar. 12; v. 248; p. 424.
Reitz, Jacob J., Berlin, Pa. Novelty. No. 1,280,087; Sept. 24; v. 254; p. 831.
Reitzel, Albert E., Washington, D. C. Cow-pea harvester. No. 1,280,842; Oct. 8; v. 255; p. 229.
Reizenstein, Charles L., Pittsburgh, Pa. Decorated glassware. No. 1,251,577; Jan. 1; v. 246; p. 40.
Rekate, Edward A. (See Pawel and Rekate.)
Rekenthaler, Anthonie W., Dunlo, Pa. Can-opener. No. 1,276,693; Aug. 20; v. 253; p. 712.
Rekers, Gerret, Rochester, assignor to General Railway Signal Company, Gates, N. Y. Semaphore-signal mechanism. No. 1,272,099; July 9; v. 252; p. 411.
Relay Automatic Telephone Company, The. (See Betulander and Palmgren, assignors.)
Relay Automatic Telephone Company, The. (See Herink, Henry J., assignor.)
Relay Automatic Telephone Company, The. (See Bygrave, Leonard C., assignor.)
Reliance Air Brake Company, The. (See Dukesmith, Frank H., assignor.)
Reliance Ball Bearing Door Hanger Company. (See Franklin, Hubert F., assignor.)
Reliance Ball Bearing Door Hanger Company. (See Weiss, Louis T., assignor.)
Reliance Gauge Column Company, The. (See Hale, George W., assignor.)
Reliance Manufacturing Company, The. (See Hart, Edison W., assignor.)
Reliance Manufacturing Company, The. (See Ohlman, James W., assignor.)
Relling, Martin T., Butler, Pa. Seal for car-doors. No. 1,270,869; July 2; v. 252; p. 33.
Relyea, De Witt C., Coscob, Conn. Opener for glass-topped jars. No. 1,279,441; Sept. 17; v. 254; p. 624.
Rembecki, Franciszek, Troy, N. Y. Torpedo-deflector. No. 1,289,264; Dec. 31; v. 257; p. 874.
Remington, Alfred C., Richmond, assignor of one-half to R. Dewsbury, St. Margarets, England. Apparatus for printing and testing cinematograph-films. No. 1,287,436; Dec. 10; v. 257; p. 343.
Remington Arms & Ammunition Company. (See Simpson, John O., assignor.)
Remington, Joseph P., Philadelphia, Pa. Beach-building. No. 1,274,450; Aug. 6; v. 253; p. 31.
Remington, Joseph P., Philadelphia, Pa. Tablet-assembling device. No. 1,277,121; Aug. 27; v. 253; p. 864.
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Barr, John H., assignor.)
Remington Typewriter Company. (See Barr and Carhart, assignors.)
Remington Typewriter Company. (See Briggs, Arthur J., assignor.)
Remington Typewriter Company. (See Carhart, Herbert A., assignor.)
Remington Typewriter Company. (See De Clamecy, Philippe, assignor.)
Remy Electric Company. (See Kennington, William O., assignor.)
Remington Typewriter Company. (See Laffay, Fernand, assignor.)
Remington Typewriter Company. (See Seib, George A., assignor.)
Remington Typewriter Company. (See Smith, Arthur W., assignor.)
Remington Typewriter Company. (See Steele, Herbert H., assignor.)
Remington Typewriter Company. (See Straub, Joseph E., assignor.)
Remington Typewriter Company. (See Yaw, Clio B., assignor.)
Remmen, Jörgen, assignor to G. T. Ladd, trustee, Pittsburgh, Pa. Internal-combustion engine. No. 1,283,900; Nov. 5; v. 256; p. 122.

Remmen, Jorgen, assignor to G. T. Ladd, trustee, Pittsburgh, Pa. Gas-engine. No. 1,286,776; Dec. 3; v. 257; p. 141.
Remmers, Bernhard, Philadelphia, Pa., assignor, by mesne assignments, to Armour Grain Company, Chicago, Ill. Preparing precooked food products. No. 1,258,047; Mar. 5; v. 248; p. 29.
Remo, Charles C., Brooklyn, N. Y. Bed-table. No. 1,275,602; Aug. 13; v. 253; p. 377.
Remus, Ludwig H., Adrian, Mich. Attachment for corn-planters. No. 1,257,928; Feb. 26; v. 247; p. 934.
Remy, Benjamin P. (See Remy and Berger.)
Remy, Benjamin P., O. H. Day, and F. I. Remy, assignors to Remy Brothers Company, Anderson, Ind. Adjustable valve-gearing for internal-combustion engines. No. 1,260,052; Mar. 19; v. 248; p. 678.
Remy Brothers Company. (See Remy and Berger, assignors.)
Remy Brothers Company. (See Remy, Day, and Remy, assignors.)
Remy Electric Company. (See Kennington, William O., assignor.)
Remy Electric Company. (See Stone, Guy B., assignor.)
Remy, Frank I. (See Remy, Day, and Remy.)
Remy, Frank I. and B. P., Indianapolis, and A. Berger, assignors to Remy Brothers Company, Anderson, Ind. Liquid-gage. No. 1,281,658; Oct. 15; v. 255; p. 480.
Renard, Edward, Burnham, Pa. Piston-head. No. 1,274,783; Aug. 6; v. 253; p. 126.
Renaud, Felix D., Chicago, Ill. Duplex flashing-block. No. 1,270,662; June 25; v. 251; p. 794.
Renblom, Eskil B., *et al.* (See Anderson, George A., assignor.)
Renck, Fred E., *et al.* (See Caldwell, Charles A., assignor.)
Render, Paul. (See Regnier, Joseph, assignor.)
Rendle, Adolph, New York, N. Y. Annunciator. No. 1,269,856; June 18; v. 251; p. 550.
Rendle, Arthur E., assignor to Keystone Type Foundry, Philadelphia, Pa. Skylight. No. 1,272,100; July 9; v. 252; p. 412.
Renick, Frederick E., Mammoth Springs, Ark. Automatic gear-shifting mechanism. No. 1,255,933; Feb. 12; v. 247; p. 277.
Renier, Isadore W., East St. Louis, Ill. Suspensory. No. 1,281,659; Oct. 15; v. 255; p. 481.
Renne, James D., Omaha, Nebr. Pressure-indicator for internal-combustion engines. No. 1,266,627; May 21; v. 250; p. 544.
Rennells, Leon E., Albany, Oreg. Cut-out device for telephone-transmitters. No. 1,251,695; Jan. 1; v. 246; p. 76.
Renner, Claude A., Perkasie, Pa. Animal-trap. No. 1,277,122; Aug. 27; v. 253; p. 864.
Renner, Irvin R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cord-tire and making the same. No. 1,259,289; Mar. 12; v. 248; p. 424.
Renner, Irvin R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-forming tube. No. 1,286,107; Nov. 26; v. 256; p. 787.
Rennerfelt, Ture G., Katrineholm, Sweden. Ball-bearing. No. 1,269,117; June 11; v. 251; p. 313.
Rennous, Kleinle & Company. (See Polk, Albert S., assignor.)
Reno, Jesse W., New York, N. Y. Submarine mine. No. 1,288,990; Dec. 24; v. 257; p. 782.
Reno, Jesse W., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Endless conveyer. No. 1,255,339; Feb. 5; v. 247; p. 65.
Reno, Jesse W., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Conveyer. No. 1,288,196; Dec. 17; v. 257; p. 564.
Reno, William R., Louisville, Ky. Shock-absorber and the like. No. 1,263,469; Apr. 23; v. 249; p. 778.
Renshaw, Charles C., Chicago, Ill. Automatic signal. No. 1,265,385; May 7; v. 250; p. 141.
Renshaw, Charles E., East Orange, N. J. Attachment for pocket or portable flash-lights. No. 1,285,382; Nov. 19; v. 256; p. 567.
Renstrom, Edward L., Gulch, Colo. Measuring instrument. No. 1,268,620; June 4; v. 251; p. 157.
Rentschler, Mahlon J. (See Somerville and Rentschler.)
Renwick, John, Emmett, Idaho. Automobile-wheel. No. 1,267,268; May 21; v. 250; p. 722.
Renze, Nick R. (See Savory and Renze.)
Renzenberger, Frank. (See King, Renzenberger, and Holmes.)
Reo, Peter, Arnold, assignor to Window Glass Machine Company, Pittsburgh, Pa. Splitting glass rollers or cylinders. No. 1,278,014; Sept. 3; v. 254; p. 186.
Replogle, George, LaFayette, Ind. Lineman's chair. No. 1,264,975; May 7; v. 250; p. 29.
Replogle, Hartley L. (See McMillan, Frank, assignor.)
Replogle, Mark A., assignor to The Goodyear Tire & Rubber Company, Akron, O. Soapstone-brush. No. 1,281,660; Oct. 15; v. 255; p. 481.
Repp, John H., Albany, N. Y. Adjustable rope-clutch. No. 1,268,621; June 4; v. 251; p. 158.
Reppin, Walter, Newark, N. J. Spark-plug. No. 1,270,437; June 25; v. 251; p. 732.
Repsholdt, Sören C., Omaha, Nebr. Mop-wringer. No. 1,268,055; May 28; v. 250; p. 969.
Repsholdt, Soren C., Omaha, Nebr. Traffic signal-tower. No. 1,275,749; Aug. 13; v. 253; p. 419.
Republic of China, The. (See Chi, Heuen, assignor.)
Republic Rubber Company, The. (See Kuentzel, Curt, assignor.)
Republic Stamping & Enameling Company, The. (See Frahm, Carl A., assignor.)
Republic Structural Iron Works Company. (See Kahn, Isaac T., assignor.)
Requa, Ralph W., Chico, Cal. Combined fish-screen and debris-remover. No. 1,252,617; Jan. 8; v. 246; p. 375.
Reschke, William F., Wichita, Kans. Attachment for lister-cultivators. No. 1,253,529; Jan. 15; v. 246; p. 670.
Research Corporation. (See Bradley, Linn, assignor.)
Resnick, Heim, Wichita, Kans. Light reflector and diffuser. No. 1,261,617; Apr. 2; v. 249; p. 177.
Respess, Roland B., New York, N. Y. Leather substitute and making the same. No. 1,276,113; Aug. 20; v. 253; p. 552.
Ressler, Isidore, Detroit, Mich. Disinfectant-pad. No. 1,265,957; May 14; v. 250; p. 329.
Rettell, Joseph, Detroit, Mich. Antiskid-mat. No. 1,267,269; May 21; v. 250; p. 722.
Rettell, Joseph, Detroit, Mich., assignor to Morgan & Wright. Strip-applying device. No. 1,268,151; June 4; v. 251; p. 23.
Rettig, Emil E., Sacramento, Cal. Filing device. No. 1,283,901; Nov. 5; v. 256; p. 123.
Rettig, Nora, Logansport, Ind. Fly-paper holder. No. 1,261,618; Apr. 2; v. 249; p. 177.
Rettinger, William N., Bourbon, Ind. Tire. No. 1,262,259; Apr. 9; v. 249; p. 387.
Retzbach, Edward J., assignor of one-third to J. H. Bruninga, St. Louis, Mo. Ice-cream-bricking machine. No. 1,288,442; Dec. 17; v. 257; p. 620.
Reubenstone, Abraham, New York, N. Y. Attachment for telephones. No. 1,287,099; Dec. 10; v. 257; p. 260.
Reuber, Edmund W., Allentown, Pa. Permutation-lock. No. 1,254,435; Jan. 22; v. 246; p. 949.
Reukauf, Edward, Philadelphia, Pa. Container for boxed goods. No. 1,283,902; Nov. 5; v. 256; p. 123.
Reuschline, George L., Philadelphia, Pa., assignor to American Ice Company. Apparatus for harvesting ice. No. 1,274,079; July 30; v. 252; p. 1047.
Reuss, Wilhelmina, Cedar Grove, Ind. Portable infant-house. No. 1,282,292; Oct. 22; v. 255; p. 693.
Reuther, Martin W. (See Brandenberger and Reuther.)
Revay, Stefan, Johnstown, Pa. Monkey-wrench. No. 1,257,118; Feb. 19; v. 247; p. 662.
Revay, Stefan, Johnstown, Pa. Rail tie and fastener. No. 1,266,991; May 21; v. 250; p. 646.
Revelli, Abiel B., Turin, assignor to Officine Di Villar Perosa, Villar, Perosa, Pinerolo, Italy. Machine-gun. No. 1,286,884; Dec. 3; v. 257; p. 166.
Revere Rubber Company. (See Bradley, Walter P., assignor.)
Revere Rubber Company. (See Cobb, Henry Z., assignor.)
Revere Rubber Company. (See Thacher, Sheldon P., assignor.)
Reves, Nancy J., Booster, Ark. Hat-box. No. 1,262,095; Apr. 9; v. 249; p. 340.
Revolute Machine Company. (See McAdam and Everett, assignors.)
Revolvator Company. (See Boehck and Germond, assignors.)
Rex Buggy Company. (See Hull, Matthew R., assignor.) (Reissue.)
Rex Typewriter Company. (See Henry, Hubert K., assignor.)
Rex Vaporizer Manufacturing Company. (See Knauff, Ulysses G., assignor.)
Reyburn, John R., Fairfield, assignor to American Chain Company, Incorporated, Bridgeport, Conn. Chain tire-grip. No. 1,263,926; Apr. 23; v. 249; p. 903.
Reyburn, John R., Fairfield, assignor to Pratt & Cady Company, Incorporated, Hartford, Conn. Cutting or welding blowpipe. No. 1,266,858; May 21; v. 250; p. 608
Reyburn, John R., Fairfield, assignor to American Chain Company, Bridgeport, Conn. Chain-connector. No. 1,284,774; Nov. 12; v. 256; p. 374.
Reynal, Louis S., New Britain, assignor to The American Paper Goods Company, Kensington, Conn. Making paper drinking-cups. No. 1,254,850; Jan. 29; v. 246; p. 1102.
Reynal, Louis S., New Britain, assignor to The American Paper Goods Company, Kensington, Conn. Paper drinking-cup. No. 1,279,158; Sept. 17; v. 254; p. 547.
Reynard, James K., New York, N. Y., assignor to himself as trustee. Sound-record and means and method for producing the same. No. 1,283,903; Nov. 5; v. 256; p. 123.
Reynders, Augustus J., Butler, Pa. Spinning-top. No. 1,261,854; Apr. 9; v. 249; p. 276.
Reynolds, Albert W., Jr., Princeton, W. Va. Wrench. No. 1,271,365; July 2; v. 252; p. 172.
Reynolds, Alva L., assignor to Common Sense Pile Protector Company, Long Beach, Cal. Pile-protector. No. 1,266,050; May 14; v. 250; p. 355.

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Reynolds, Alva L., assignor to Common Sense Pile Protector Company, Long Beach, Cal. Pile cleaner and protector. No. 1,266,051; May 14; v. 250; p. 355.
Reynolds, Barney C., Tacoma, Wash. Fruit-press. No. 1,260,053; Mar. 19; v. 248; p. 678.
Reynolds, Benjamin S., Madison, Wis. Concrete-mixing machine. No. 1,253,097; Jan. 8; v. 246; p. 515.
Reynolds, Byron P., Machias, N. Y. Wall-paper-pasting machine. No. 1,285,384; Nov. 19; v. 256; p. 568.
Reynolds, Charles B., Panora, Iowa. End-gate. No. 1,256,257; Feb. 12; v. 247; p. 375.
Reynolds, Charles D., Cranston, R. I. Winding-machine. No. 1,259,448; Mar. 12; v. 248; p. 470.
Reynolds, Charles D., Cranston, R. I. Winding-machine. No. 1,259,449; Mar. 12; v. 248; p. 471.
Reynolds, Charles O., Huntington, W. Va. Baking-pan. No. 1,257,119; Feb. 19; v. 247; p. 662.
Reynolds, Daniel C., Philadelphia, Pa. Extracting apparatus. No. 1,263,470; Apr. 23; v. 249; p. 778.
Reynolds, David S. (See Cheney and Reynolds.)
Reynolds, Deo F., Cato township, Montcalm county, Mich. Music-leaf turner. No. 1,288,197; Dec. 17; v. 257; p. 564.
Reynolds, Edgar T., Brooklyn, N. Y. Vehicle-wheel-tire filler. No. 1,259,290; Mar. 12; v. 248; p. 424.
Reynolds, Edward C., New York, N. Y. Search-light holder. No. 1,268,622; June 4; v. 251; p. 158.
Reynolds, Edward L., New York, N. Y. Floor cleaning and polishing machine. No. 1,263,112; Apr. 16; v. 249; p. 659.
Reynolds, Everett, assignor of one-half to A. K. Caldwell, Waynesburg, Ky. Gasolene-burner. No. 1,254,277; Jan. 22; v. 246; p. 904
Reynolds, Francis B., Dubuque, Iowa. Bank-check. No. 1,280,548; Oct. 1; v. 255; p. 121.
Reynolds, Frank A., Circle, Alaska. Type-writer indicator. No. 1,280,301; Oct. 1; v. 255; p. 52.
Reynolds, Fred N., Indianapolis, Ind. Tack puller, setter, and driver. No. 1,280,549; Oct. 1; v. 255; p. 121.
Reynolds, George. (See Tomlinson, Clarence L., assignor.)
Reynolds, George W., Rock Glen, N. Y. Control-lever. No. 1,276,114; Aug. 20; v. 253; p. 552.
Reynolds, James J., St. Louis, Mo. Hose-coupling. No. 1,284,775; Nov. 12; v. 256; p. 374.
Reynolds, James N., Jersey City, N. J. Rod-bending machine. No. 1,274,936; Aug. 6; v. 253; p. 169.
Reynolds, James O., Evansville, Ind. Combined hand and bench vise. No. 1,262,389; Apr. 9; v. 249; p. 424.
Reynolds, John B., Toledo, Ohio. Gear-shifter. No. 1,279,442; Sept. 17; v. 254; p. 624.
Reynolds, John M., Montrose, Colo. Fountain-pen. No. 1,286,777; Dec. 3; v. 257; p. 141.
Reynolds, John N. (See Craft and Reynolds.)
Reynolds, John N., Greenwich, Conn., assignor, by mesne assignments, to Western Electric Company, Incorporated. Terminal bank. No. 1,257,394; Feb. 26; v. 247; p. 778.
Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Call-finder for automatic and semi-automatic telephone systems. No. 1,270,326; June 25; v. 251; p. 701.
Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-switch. No. 1,277,478; Sept. 3; v. 254; p. 40.
Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Brake for sequence-switches. No. 1,279,909; Sept. 24; v. 254; p. 784.
Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Terminal strip. No. 1,287,100; Dec. 10; v. 257; p. 261.
Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Manufacturing multiple-contact strips. No. 1,287,101; Dec. 10; v. 257; p. 261.
Reynolds, John N., Greenwich, Conn., and O. F. Forsberg, Yonkers, assignors to Western Electric Company, New York, N. Y. Terminal bank. No. 1,273,274; July 23; v. 252; p. 790.
Reynolds, Joy S., Seattle, Wash. Gas-burner. No. 1,287,437; Dec. 10; v. 257; p. 343.
Reynolds, Marvin L., Faribault, Minn. Portable building. No. 1,262,564; Apr. 9; v. 249; p. 472.
Reynolds, Morley P., assignor to The W. S. Tyler Company, Cleveland, Ohio. Hatch-ventilator and ice-plug. No. 1,274,197; July 30; v. 252; p. 1081.
Reynolds, Walter M., Hattiesburg, Miss. Automobile-fan-belt tightener. No. 1,266,318; May 14; v. 250; p. 429.
Reynolds, William, Passaic, N. J., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing-machine. No. 1,254,731; Jan. 29; v. 246; p. 1064.
Reznicek, Anton, Jersey City, N. J. Suspender-strap holder. No. 1,261,960; Apr. 9; v. 249; p. 305.
Rhea, Joseph L. (See Johnson and Rhea.)
Rheaume, Frank J., Schenectady, N. Y. Air-valve. No. 1,283,303; Oct. 29; v. 255; p. 994.
Rheims, Edmon, and L. Auscher, Paris, France. Sash-operator. No. 1,260,711; Mar. 26; v. 248; p. 902.
Rheinheimer, William A., *et al.* (See Myers, Charles E., assignor.)
Rheinlander, Rudolph P., St. Louis, Mo. Vacuum-cup. No. 1,267,270; May 21; v. 250; p. 723.
Rhinehart, Charles V., Tucson, Ariz. Field-gun projectile. No. 1,284,777; Nov. 12; v. 256; p. 374.
Rhinelander, James J., Pittsburgh, Pa. Wrench. No. 1,281,837; Oct. 15; v. 255; p. 530.
Rhoades, Alonzo E. (See Osgood and Rhoades.)
Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Warping-machine. No. 1,254,936; Jan. 29; v. 246; p. 1126.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Builder-motion for spinning-frames. No. 1,257,395; Feb. 26; v. 247; p. 778.
Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Spooling-machine. No. 1,261,619; Apr. 2; v. 249; p. 177.
Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Thread-positioner. No. 1,261,620; Apr. 2; v. 249; p. 178.
Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler-motion for looms. No. 1,262,565; Apr. 9; v. 249; p. 473.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Battery mechanism for automatic filling-replenishing looms. No. 1,272,716; July 16; v. 252; p. 611.
Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler device for looms. No. 1,278,802; Sept. 10; v. 254; p. 422.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. No. 1,283,560; Nov. 5; v. 256; p. 32.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Misthreading device for looms. No. 1,285,385; Nov. 19; v. 256; p. 568.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Filling-end-retaining means for weft-replenishing looms. No. 1,285,386; Nov. 19; v. 256; p. 568.
Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. No. 1,286,412; Dec. 3; v. 257; p. 56.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. No. 1,287,102; Dec. 10; v. 257; p. 261.
Rhoades, Lewis T., Mont Clare, Pa., assignor to New York Coil Company, Incorporated, New York, N. Y. Circuit-breaker. No. 1,260,809; Mar. 26; v. 248; p. 929.
Rhoades, Lloyd R., Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,273,000; July 16; v. 252; p. 692.
Rhoades, Lloyd R., Fremont, Ohio, assignor to National Carbon Company. Manufacturing dry cells. No. 1,281,421; Oct. 15; v. 255; p. 419.
Rhoads, Frank S., Aurora, Ill. Universal joint. No. 1,255,792; Feb. 5; v. 247; p. 196.
Rhodes, Alonzo E., Hill Crest, Del., assignor to Turnstile and Revolving Door Company, Wilmington, Del. Turnstile. No. 1,280,550; Oct. 1; v. 255; p. 121.
Rhodes, Bert O., assignor to Acme Universal Joint Manufacturing Co., Kalamazoo, Mich. Universal joint. No. 1,264,976; May 7; v. 250; p. 29.
Rhodes, Bert O., assignor to Acme Universal Joint Mfg. Co., Kalamazoo, Mich. Universal joint. No. 1,278,218; Sept. 10; v. 254; p. 266.
Rhodes, Charles M., Steubenville, Ohio. Device for cranking internal-combustion engines. No. 1,286,778; Dec. 3; v. 257; p. 141.
Rhodes, Fredrick H. (See Dodge and Rhodes.)
Rhodes, Harry A., Denver, Colo. Power-transmission mechanism. No. 1,263,701; Apr. 23; v. 249; p. 840.
Rhodes, Henry J., Rochester, N. Y. Food compound. No. 1,252,029; Jan. 1; v. 246; p. 173.
Rhodes, Herbert M., Natchez, Miss. Seed-harvesting machine. No. 1,269,742; June 18; v. 251; p. 517.
Rhodes, Herbert M., Natchez, Miss. Seed-harvesting machine. No. 1,272,717; July 16; v. 252; p. 612.
Rhodes, Jay B., Kalamazoo, Mich., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,256,163; Feb. 12; v. 247; p. 346.
Rhodes, Jay B., Kalamazoo, Mich., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,256,164; Feb. 12; v. 247; p. 347.
Rhodes, Joseph C., G. E. Guffey, and J. G. Sheehan, Danville, Ky. Tunnel-mask. No. 1,262,566; Apr. 9; v. 249; p. 473.
Rhodes, Nafe C. (See Bannon and Rhodes.)
Rhodus, Charlotte C. (See Rhodus, Thomas, assignor.)
Rhodus, Thomas, Chicago, Ill., assignor to C. C. Rhodus, Vehicle-wheel. No. 1,263,113; Apr. 16; v. 249; p. 659.
Rhodus, Thomas, Chicago, Ill., assignor to The Magniphone Company. Electrical connector. No. 1,282,630; Oct. 22; v. 255; p. 785.
Rhodus, Thomas, Chicago, Ill., assignor to The Magniphone Company. Telephone-receiver. No. 1,283,304; Oct. 29; v. 255; p. 994.
Rhody, Elza, assignor of one-half to E. T. Botkin, Farmland, Ind. Vehicle-wheel. No. 1,273,924; July 30; v. 252; p. 1005.

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Rhody, Elza, Farmland, Ind. Pumping-jack. No. 1,288,198; Dec. 17; v. 257; p. 564.
Rhoer, Gouverneur C., Little Rock, Ark. Umbrella-lock. No. 1,270,054; June 18; v. 251; p. 602.
Rhomberg, Joseph H., Dubuque, Iowa. Hoe. No. 1,286,779; Dec. 3; v. 257; p. 142.
Rhonemus, George M., Independence, Mo. Pressure-gage for pneumatic tires. No. 1,283,305; Oct. 29; v. 255; p 994.
Rhorig, Del. (See Tow, James O., assignor.)
Rhulman, William A. (See Imhoff, Cooke, and Rhulman.)
Ribaysen, Jacob, Chicago, Ill. Incandescent-lamp socket. No. 1,265,517; May 7; v. 250; p. 176.
Ribbon Life Company, The. (See Phelan and MacAlpine, assignors.)
Ribelin, Floyd E., Upland, Ind. Clip for pens or pencils. No. 1,260,054; Mar. 19; v. 248; p. 678.
Ribeyre, Eugène, Lyon, France. Support for playing-cards for use by card-players. No. 1,286,780; Dec. 3; v. 257; p. 142.
Ricardo, Harry R., London, England. Internal-combustion engine. No. 1,271,942; July 9; v. 252; p. 365.
Ricci, Mark A., Clairton, Pa. Railway-spike. No. 1,264,683; Apr. 30; v. 249; p. 1145.
Rice, Anson S., Brooklyn, N. Y. Cooking apparatus. No. 1,263,804; Apr. 23; v. 249; p. 867.
Rice, Anson S., Brooklyn, N. Y. Cooking apparatus. No. 1,263,805; Apr. 23; v. 249; p. 867.
Rice, Archie D., Delphos, Kans. Form for concrete culverts. No. 1,283,306; Oct. 29; v. 255; p. 994.
Rice, Charles E., Livermore, Ky. Service-table. No. 1,288,199; Dec. 17; v. 257; p. 564.
Rice, Clayton E., Chicago, Ill. Adjustable clamp. No. 1,258,707; Mar. 12; v. 248; p. 260.
Rice, Frank C., Newport, R. I. Puzzle-box. No. 1,254,538; Jan. 22; v. 246; p. 979.
Rice, Frank E. (See Bailey and Rice.)
Rice, Frederick W., East Seattle, Wash. Cereal-box. No. 1,266,992; May 21; v. 250; p. 646.
Rice, George C. (See Thayer, Frank S., assignor.)
Rice, George H., Castner, Hawaii. Automatic safety attachment for cranking devices. No. 1,272,101; July 9; v. 252; p. 412.
Rice, George L., Chicago, Ill., assignor to International Harvester Company of New Jersey. Spinning-machine. No. 1,260,453; Mar. 26; v. 248; p. 824.
Rice, George W., Twin Falls, Idaho. Reversible irrigation-box. No. 1,283,904; Nov. 5; v. 256; p. 123.
Rice, George W., Twin Falls, Idaho. Irrigation-check. No. 1,284,141; Nov. 5; v. 256; p. 187.
Rice, Harold A., New York, N. Y., assignor to Redtop Electric Company, Inc. Combined electric stove and toaster. No. 1,263,927; Apr. 23; v. 249; p. 903.
Rice, Harold G., Portland, Oreg. Bottle-capper. No. 1,257,637; Feb. 26; v. 247; p. 850.
Rice, Harry A. H., Duncan, British Columbia, Canada. Trolling-spoon. No. 1,252,721; Jan. 8; v. 246; p. 404.
Rice, John E., administrator. (See Rice, William H.)
Rice Manufacturing Co. (See Hockett, Walter E., assignor.)
Rice, Milo E., Kansas City, Mo. Artificial limb. No. 1,271,771; July 9; v. 252; p. 317.
Rice, Murry E., Delphos, Kans. Feed-bag supporter. No. 1,272,102; July 9; v. 252; p. 413.
Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,258,462; Mar. 5; v. 248; p. 149.
Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Pulsation-preventing mechanism for centrifugal compressors. No. 1,280,843; Oct. 8; v. 255; p. 229.
Rice, Samuel H., San Francisco, Cal., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,278,506; Sept. 10; v. 254; p. 342.
Rice, Samuel H., San Francisco, Cal., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Appliance for filing and handling books. No. 1,288,680; Dec. 24; v. 257; p. 708.
Rice, Samuel H., San Francisco, Cal., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Cabinet and record appliance. No. 1,288,681; Dec. 24; v. 257; p. 709.
Rice, Samuel H., San Francisco, Cal., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,288,991; Dec. 24; v. 257; p. 782.
Rice, Thomas B., Philadelphia, Pa. Package. No. 1,274,198; July 30; v. 252; p. 1081.
Rice, William H., deceased; J. E. Rice, administrator, Rochester, N. Y. Separator for potato-diggers. No. 1,263,114; Apr. 16; v. 249; p. 659.
Rice, William L., assignor of one-half to himself and one-half to P. S. Braucher, Reading, Pa. Soft-metal alloy and making same. No. 1,269,000; June 11; v. 251; p. 281.
Rice, William O., Rochester, N. Y. Hygienic bottle. No. 1,262,096; Apr. 9; v. 249; p. 340.
Rich, Alfred J., Jr., San Francisco, Cal. Lock-washer. No. 1,267,695; May 28; v. 250; p. 868.
Rich, Brainard G., Colville, Wash. Auxiliary air-valve. No. 1,259,291; Mar. 12; v. 248; p. 425.
Rich, Charles A., New York, assignor to Ansco Company, Binghamton, N. Y. Finder for photographic cameras. No. 1,280,844; Oct. 8; v. 255; p. 230.
Rich, Donald U. (See Wakefield, Richard E. B., assignor.)
Rich, Edwin N., and W. E. Groff, Santa Fe, N. Mex.; said Rich assignor to said Groff. Process and apparatus for making tooth-backings. No. 1,257,120; Feb. 19; v. 247; p. 662.
Rich, Frank K., Hyannis, assignor to The Standard Comb Company, Leominster, Mass. Knitting-needle. No. 1,272,316; July 9; v. 252; p. 473.
Rich, Homer B., Allston, Mass. Receptacle. No. 1,251,921; Jan. 1; v. 246; p. 142.
Rich, Lawrence H., *et al.* (See Townsend, Charley C., assignor.)
Rich, Waldo A., Jr., assignor to Dennison Manufacturing Company, Framingham, Mass. Die. No. 1,254,732; Jan. 29; v. 246; p. 1065.
Rich, Willard G., Rochester, N. Y. Soap stick and holder. No. 1,283,307; Oct. 29; v. 255; p. 994.
Rich, William H., Wrentham, Mass. Tool for razing buildings, scaffolds, and analogous work. No. 1,270,970; July 2; v. 252; p. 62.
Richard, Abraham L., Lynn, Mass. Welted boot or shoe. No. 1,288,200; Dec. 17; v. 257; p. 564.
Richard Auto Mfg. Company, The. (See Richard, François, assignor.)
Richard Auto Mfg. Company, The. (See Richard and Ritchie, assignors.)
Richard, Charles D., New York, N. Y. Hourly taximeter. No. 1,269,309; June 11; v. 251; p. 368.
Richard, Eugene C., Flint, Mich. Carbureter. No. 1,260,810; Mar. 26; v. 248; p. 929.
Richard, François, assignor to The Richard Auto Mfg. Company, Cleveland, Ohio. Brake-equalizer. No. 1,289,266; Dec. 31; v. 257; p. 875.
Richard, François, and T. B. Ritchie, assignors to The Richard Auto Mfg. Company, Cleveland, Ohio. Auto-top. No. 1,289,265; Dec. 31; v. 257; p. 875.
Richard, John P., New Holstein, Wis. Milk-strainer. No. 1,287,103; Dec. 10; v. 257; p. 261.
Richard, Jules. (See Colardeau and Richard.)
Richard, Leroy L., Coalinga, Cal. Pipe, casing, and drill stem tongs. No. 1,259,670; Mar. 19; v. 248; p. 564.
Richard, Leroy L., assignor of one-third to E. B. May and one-third to C. A. Brown, Coalinga, Cal. Auxiliary table. No. 1,284,776; Nov. 12; v. 256; p. 374.
Richard, Peter, Detroit, Mich. Tire-protector. No. 1,261,621; Apr. 2; v. 249; p. 178.
Richard, Thomas A. (See Dudley and Richard.)
Richards, A. L., *et al.* (See Waite, Charles A., assignor.)
Richards, Alfred E., Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,285,387; Nov. 19; v. 256; p. 569.
Richards, Archer W., assignor, by mesne assignments, to The Firestone Steel Products Company, Akron, Ohio. Clamping mechanism for welders. No. 1,274,451; Aug. 6; v. 253; p. 31.
Richards, Charles W. (See Payment, Louis, assignor.)
Richards, David L., Boston, Mass. Filter. No. 1,261,439; Apr. 2; v. 249; p. 127.
Richards, Elmer, Los Angeles, Cal. Valve. No. 1,253,098; Jan. 8; v. 246; p. 515.
Richards, George, London, England. Milling screw-threads. No. 1,269,857; June 18; v. 251; p. 550.
Richards, George C., Berkeley, Cal. Roller-mill. No. 1,264,558; Apr. 30; v. 249; p. 1111.
Richards, George C., Berkeley, Cal. Fume-condenser. No. 1,272,528; July 16; v. 252; p. 557.
Richards, George H., New York, N. Y. Service-recording instrument. No. 1,259,906; Mar. 19; v. 248; p. 635.
Richards, George L., London, England. Strip feeding and cutting mechanism. No. 1,260,055; Mar. 19; v. 248; p. 678.
Richards, George M., Philadelphia, Pa. Fluid-actuated controlling device. No. 1,286,781; Dec. 3; v. 257; p. 132.
Richards, George M., Philadelphia, Pa. Valve and valve-grid support for air-compressors. No. 1,287,751; Dec. 17; v. 257; p. 453.
Richards, Harry D. (See Howard, William D. M., assignor.)
Richards, Harry W., Baltimore, Md. Automatic safety railway system. No. 1,268,879; June 11; v. 251; p. 247.
Richards, Harvey B., Bay City, Tex. Ignition system for internal-combustion engines. No. 1,264,130; Apr. 23; v. 249; p. 956.
Richards, James H., Moscow, Idaho. Automobile steering-gear. No. 1,272,103; July 9; v. 252; p. 413.
Richards, Joe H., Detroit, Mich. Gas-generator. No. 1,272,529; July 16; v. 252; p. 557.
Richards, John H., and B. Billingham, Saltley, Birmingham, England. Piston-ring. No. 1,278,015; Sept. 3; v. 254; p. 187.
Richards, John H., and B. Bellingham, Saltley, Birmingham, England. Work-holding appliance for use in connection with the boring of bearings and the like. No. 1,284,456; Nov. 12; v. 256; p. 296.

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Richards, John J., Jr., Brookline, assignor, by mesne assignments, to The Randall-Faichney Company, Inc., Boston, Mass. Grease-gun filler. No. 1,274,452; Aug. 6; v. 253; p. 31.
Richards, John J., Jr., Brookline, and M. Andelman, Cambridge, Mass., assignors to The Randall-Faichney Company, Inc. Hypodermic-needle box. No. 1,279,760; Sept. 24; v. 254; p. 739.
Richards, John M., Beaver Falls, assignor of one-fourth to A. Rasner, Pittsburgh, one-fourth to A. W. Francis, Beaver Falls, and one-fourth to E. M. S. Young, Crafton, Pa. Cutter. No. 1,252,495; Jan. 8; v. 246; p. 339.
Richards, John R., Hastings, England. Suction device for dentures. No. 1,283,905; Nov. 5; v. 256; p. 124.
Richards, John W., Logmont, Ky. Check-holder. No. 1,263,115; Apr. 16; v. 249; p. 660.
Richards, Julius H., assignor to Splitdorf Electrical Company, Newark, N. J. Engine-starter. No. 1,254,851; Jan. 29; v. 246; p. 1102.
Richards, Robert L., Meridian, Tex. Portable bathing apparatus. No. 1,272,715; July 16; v. 252; p. 611.
Richards, Victor I., Newark, N. J. Twin-valve connection for gas-logs. No. 1,286,108; Nov. 26; v. 256; p. 787.
Richards, Walter E. W., High Holborn, London, England. Manufacture of electric insulating materials and the like. No. 1,267,696; May 28; v. 250; p. 869.
Richards, Walter H., New London, Conn. Water-meter. No. 1,285,388; Nov. 19; v. 256; p. 569.
Richards, Walter W. (See Edgar and Richards.)
Richards, Walter W., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Artificial leather and producing the same. No. 1,270,055; June 18; v. 251; p. 602.
Richards-Wilcox Manufacturing Company. (See Phillips, Ellis J. G., assignor.)
Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Supporting means for draft and buffing gears for cars. No. 1,283,308; Oct. 29; v. 255; p. 995.
Richards, William B., Pomona, Cal. Illuminated traffic-button. No. 1,265,386; May 7; v. 250; p. 141.
Richards, William H., Philadelphia, Pa. Reversible shirt. No. 1,275,090; Aug. 6; v. 253; p. 212.
Richardson, Archibald N. W., Sydney, New South Wales, Australia. Multicylinder internal-combustion engine. No. 1,269,858; June 18; v. 251; p. 550.
Richardson, Bayard E., assignor to Mechano Gear Shift Co., Grand Rapids, Mich. Gear-shifting mechanism. No. 1,253,887; Jan. 15; v. 246; p. 773.
Richardson, Bayard E., and A. M. Lynn, Grand Rapids, Mich. Gear-shifting mechanism. No. 1,283,561; Nov. 5; v. 256; p. 32.
Richardson, Charles G., Springfield, Vt. Cloth-rest for shears. No. 1,262,844; Apr. 16; v. 249; p. 581.
Richardson, Charles G., Springfield, Vt. Cloth-marking device. No. 1,266,628; May 21; v. 250; p. 545.
Richardson, Charles G., Springfield, Vt. Device for blotting trade-marks and the like. No. 1,284,202; Nov. 5; v. 256; p. 202.
Richardson, Charles H., Nahant, Mass. Boot or shoe calk. No. 1,280,302; Oct. 1; v. 255; p. 53.
Richardson, Charles N. (See Whitaker, Edgar A., assignor.)
Richardson, Chauncey E., Chevy Chase, Md. System of transportation. No. 1,276,115; Aug. 20; v. 253; p. 552.
Richardson, Clarence M., Cleveland, Ohio. Lawn-border trimmer. No. 1,274,784; Aug. 6; v. 253; p. 126.
Richardson, Clarence M., Cleveland, Ohio. Lawn-border trimmer. No. 1,280,551; Oct. 1; v. 255; p. 122.
Richardson Corporation. (See Richardson and Jacoby, assignors.)
Richardson, Durbin, and C. N. Jacoby, assignors to Richardson Corporation, Rochester, N. Y. Apparatus for dispensing beverages. No. 1,278,219; Sept. 10; v. 254; p. 266.
Richardson, Edgar J., Sioux City, Iowa. Hose-clamp. No. 1,275,091; Aug. 6; v. 253; p. 212.
Richardson, Edward E., Toledo, Ohio. Throttling-valve. No. 1,270,327; June 25; v. 251; p. 702.
Richardson, Frank L., Boston, Mass., assignor to The Teter Manufacturing Company, Cleveland, Ohio. Vapor or gaseous-fluid administering apparatus for anesthesia. No. 1,286,109; Nov. 26; v. 256; p. 787.
Richardson, George W., Chicago, Ill. Slide-rule. No. 1,260,454; Mar. 26; v. 248; p. 825.
Richardson, Harold M., Chicopee Falls, Mass. Cleaning-machine. No. 1,267,905; May 28; v. 250; p. 928.
Richardson, Henry. (See Watkins, Orla H., assignor.)
Richardson, Henry, Passaic, N. J. Car-unloader. No. 1,264,859; Apr. 30; v. 249; p. 1191.
Richardson, Henry, Chicago, Ill., and W. Lippert, Kenosha, Wis.; said Lippert assignor to said Richardson. Wire fabric. No. 1,261,293; Apr. 2; v. 249; p. 85.
Richardson, James M., Highland Park, Mich. Bulb for electric headlights. No. 1,269,510; June 11; v. 251; p. 421.
Richardson, Jeffers F., assignor to Buffalo Steam Roller Company, Buffalo, N. Y. Scarifier. No. 1,252,950; Jan. 8; v. 246; p. 470.
Richardson, John E., Elmira Heights, N. Y. Motor-vehicle controlling mechanism. No. 1,255,228; Feb. 5; v. 247 p. 32.
Richardson, John M., Milwaukee, Wis. Davenport. No. 1,269,643; June 18; v. 251; p. 490.
Richardson, John M., Milwaukee, Wis. Davenport. No. 1,288,682; Dec. 24; v. 257; p. 709.
Richardson, John M., Milwaukee, Wis. Cushion-seat. No. 1,270,551; June 25; v. 251; p. 765.
Richardson, John N., assignor to The Williamson Heater Company, Cincinnati, Ohio. Fuel-underfeed. No. 1,260,056; Mar. 19; v. 248; p. 679.
Richardson, Oscar W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop-motion. No. 1,268,152; June 4; v. 251; p. 23.
Richardson-Phenix Co., The. (See Osborne, William L., assignor.)
Richardson, Robert B., Electra, Tex. Measure for oil-wells. No. 1,267,271; May 21; v. 250; p. 723.
Richardson, Thomas A., Verona borough, and E. Woodings, Oakmont borough, assignors to Verona Tool Works, Pittsburgh, Pa. Lifting-jack. No. 1,269,644; June 18; v. 251; p. 490.
Richardson, Thomas, Manistee, Mich. Spring suspension for vehicles. No. 1,262,845; Apr. 16; v. 249; p. 581.
Richardson, William, South Benwell, Newcastle-on-Tyne, England. Means for securing billiard-cue tips. No. 1,274,599; Aug. 6; v. 253; p. 74.
Richardson, Walter, New York, assignor to H. Trenchard, Jr., Brooklyn, N. Y. Apparatus for applying fastening devices to and for envelops, &c. No. 1,286,413; Dec. 3; v. 257; p. 56.
Richardson, Walter, New York, assignor to H. Trenchard, Jr., Brooklyn, N. Y. Apparatus for applying fastenings to envelops, &c. No. 1,286,414; Dec. 3; v. 257; p. 57.
Richardson, Walter B., Fallon, Nev. Ventilating cream-can cover. No. 1,259,047; Mar. 12; v. 248; p. 359.
Richardson, Wellington G., Cambridge, Mass. Life-preserver. No. 1,252,842; Jan. 8; v. 246; p. 438.
Richardson, Willard D., Hebron, N. D. Screening apparatus. No. 1,282,127; Oct. 22; v. 255; p. 649.
Richardson, William, Jr., Ensley, Ala. Valve-drive device No. 1,255,229; Feb. 5; v. 247; p. 32.
Richardson, William D., Chicago, Ill. Making metallic catalyzers. No. 1,257,396; Feb. 26; v. 247; p. 778.
Richardson, William D., assignor to Swift & Company Chicago, Ill. Hydrogenating oils or fats. No. 1,257,397; Feb. 26; v. 247; p. 779.
Richardson, William D., assignor to Swift & Company, Chicago, Ill. Making catalyzers. No. 1,257,531; Feb. 26; v. 247; p. 819.
Richarme, Davis. (See Gross and Richarme.)
Richefeu, Charles E., Louerre, par Gennes, France. Plow. No. 1,279,588; Sept. 24; v. 254; p. 689.
Richendrfer, Henry J. (See Richendrfer, Lloyd E. and H. J.)
Richendrfer, Lloyd E. and H. J., Lime Ridge, Pa. Automatic railway-crossing gate. No. 1,279,910; Sept. 24; v. 254; p. 784.
Richens, John M., Jacksonville, Fla. Hand-planer. No. 1,281,207; Oct. 8; v. 255; p. 328.
Richer, Joseph R. (See Olson and Richer.)
Richer, Louis F., Montreal, Quebec, Canada. Window. No. 1,264,334; Apr. 30; v. 249; p. 1047.
Riches, Arthur W., Los Angeles, Cal. Foot-operated beater for drums and cymbals. No. 1,277,123; Aug. 27; v. 253; p. 864.
Richeson, Joseph S., Oronoco, Va. Stand. No. 1,270,212; June 18; v. 251; p. 644.
Richetelle, Carl P., New Haven, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,281,208; Oct. 8; v. 255; p. 329.
Richey, Charles V., Washington, D. C., assignor to Phone Call Recorder Company. Telephone metering system. No. 1,266,714; May 21; v. 250; p. 568.
Richey, Joseph T., Port Clinton, Ohio. Wrench. No. 1,281,209; Oct. 8; v. 255; p. 329.
Richman, John W., Gilroy, Cal. Device for feeding brush-wood to cutters. No. 1,271,773; July 9; v. 252; p. 317.
Richmond, Charles T., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Apparatus for molding plastic material. No. 1,287,438; Dec. 10; v. 257; p. 344.
Richmond, Clarence M., Bellingham, Wash. Fish-hook retainer. No. 1,269,743; June 18; v. 251; p. 518.
Richmond, George E., Austin, Tex. Airship. No. 1,270,971; July 2; v. 252; p. 62.
Richmond, George E., assignor to Davis Manufacturing Company, Enid, Okla. Threshing-machine. No. 1,287,439; Dec. 10; v. 257; p. 344.
Richmond, Louis E. (See Mead and Richmond.)
Richmond, Louis E., assignor to The Mead Electric Signal Company, Cleveland, Ohio. Bell. No. 1,258,813; Mar. 12; v. 248; p. 290.
Richmond-Standard Manufacturing Company, The. (See Zimmerman, Albert J., assignor.)
Richter, Charles B. (See Richter, Emil G. and C. B.)
Richter, Emanuel, Chicago, Ill. Coin-actuated mechanism. No. 1,257,274; Feb. 19; v. 247; p. 709.
Richter, Emil G., assignor to C. B. Richter, Chicago, Ill. Gas-stove. No. 1,273,671; July 23; v. 252; p. 897.

Richter, Emil R., assignor to Harvard Electric Company, Chicago, Ill. Polarity-indicator. No. 1,256,258; Feb. 12; v. 247; p. 375.
Richter, Frank F., Nixa, Mo., assignor of one-half to F. J. Yokley, Vinita, Okla. Lamp-chimney guard. No. 1,287,105; Dec. 10; v. 257; p. 262.
Richter, Fred R. F., Philadelphia, Pa. Auto-fender. No. 1,289,911; Dec. 31; v. 257; p. 1034.
Richter, Hans F., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Label-affixing machine. No. 1,274,600; Aug. 6; v. 253; p. 75.
Richter, Harry, Minneapolis, Minn. Automobile-signal. No. 1,265,958; May 14; v. 250; p. 330.
Richter, Hermann E., Tuckahoe, assignor to C. F. Cassens, Yonkers, N. Y. Valve mechanism for internal-combustion engines. No. 1,274,080; July 30; v. 252; p. 1047.
Richter, Hermann E., Tuckahoe, assignor to C. F. Cassens, Yonkers, N. Y. Crank-shaft. No. 1,282,631; Oct. 22; v. 255; p. 785.
Richter, John J., Thief River Falls, Minn. Packing-machine. No. 1,283,562; Nov. 5; v. 256; p. 32.
Richter, Robert C., New York, N. Y. Rotary spark-gap. No. 1,265,959; May 14; v. 250; p. 330.
Richter, Samuel G., Doltons Station, Ill. Turn-table lock and derailer control. No. 1,263,600; Apr. 23; v. 249; p. 813.
Richter, William A., New York, N. Y. Sounding device for musical instruments, &c. No. 1,258,463; Mar. 5; v. 248; p. 150.
Richter, William A., and E. S. H. Baars, Milwaukee, Wis.; said Baars assignor to said Richter. Refrigerating apparatus. No. 1,256,730; Feb. 19; v. 247; p. 549.
Rickard, Jared M., Pasadena, Cal. Folding support for strainers, &c. No. 1,278,385; Sept. 10; v. 254; p. 311.
Ricke, Anton, *et al.* (See Olerich, Henry, assignor.)
Ricke, Ben, *et al.* (See Olerich, Henry, assignor.)
Ricke, Henry, *et al.* (See Olerich, Henry, assignor.)
Ricke Martha, *et al.* (See Olerich, Henry, assignor.)
Ricke, William, *et al.* (See Olerich, Henry, assignor.)
Rickel, Tremont W., McAllen, Tex. Window-sash lock. No. 1,271,772; July 9; v. 252; p. 317.
Ricker, Ernest A., and J. F. Dobbin, Jacksonville, Fla. Bottle-filler. No. 1,276,269; Aug. 20; v. 253; p. 594.
Rickets, William J., assignor to Alfred Graham & Company and W. J. Rickets, Brockley, London, England. Electrical order-transmitting system and the like. No. 1,258,244; Mar. 5; v. 248; p. 85.
Ricketts, Forrest E., Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company. Torque-regulator. No. 1,286,415; Dec. 3; v. 257; p. 57.
Ricketts, John L. (See Dengler and Ricketts.)
Ricks, Absalom W., Rexburg, Idaho. Vehicle cushion-spring. No. 1,278,383; Sept. 10; v. 254; p. 310.
Ricks, Alva M., Los Angeles, assignor of forty-nine one-hundredths to I. Wessel, Imperial, Cal. Beet harvester and topper. No. 1,282,462; Oct. 22; v. 255; p. 739.
Ricks, Fred, Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping the heel portions of shoe-uppers. No. 1,280,303; Oct. 1; v. 255; p. 53.
Riday, Joseph T. (See Haughton, George W., assignor.)
Riddell, William A. (See Speidel, Kroedel, and Riddell.)
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Camera-carriage. No. 1,262,700; Apr. 16; v. 249; p. 540.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Winding-key for photographic-film cameras. No. 1,266,319; May 14; v. 250; p. 429.
Riddile, John S. (See Mershon and Riddile.)
Riddle, Abner B., assignor of one-half to A. T. Ward, Bynum, N. C. Sprout-puller. No. 1,272,530; July 16; v. 252; p. 557.
Riddle, George C., Riddle, Idaho. Water-motor No. 1,265,114; May 7; v. 250; p. 68.
Riddle, Napoleon B., Wilson, La. Trousers-presser. No. 1,288,992; Dec. 24; v. 257; p. 783.
Rider, Ernest G. (See Reifsnyder, Weightman, and Rider.)
Rider, Granville S., Brooklyn, assignor, by mesne assignments, to E. M. Engleman, New York, N. Y. Method of and means for the production of gaseous vapor. No. 1,262,846; Apr. 16; v. 249; p. 582.
Rider, Herbert E., Brooklyn, N. Y., assignor to Automatic Phono-Stop Company, Inc. Automatic stop for phonographs and other rotary mechanism. No. 1,252,951; Jan. 8; v. 246; p. 470.
Rider, Herbert E., Brooklyn, N. Y., assignor, by mesne assignments, to Liberty Aeroil Burner, Inc. Vaporizing-tube. No. 1,269,001; June 11; v. 251; p. 281.
Rider, Jay G., assignor to J. G. Rider Pen Co., Rockford, Ill. Self-filling writing instrument. No. 1,264,684; Apr. 30; v. 249; p. 1145.
Rider, Jay G., assignor of one-half to C. H. Lewis, Rockford, Ill. Cigar and cigarette holder. No. 1,289,267; Dec. 31; v. 257; p. 875.
Rider, Thomas B., assignor, by mesne assignments, of one-half to G. De Castro-Danziger, (*née* McClellan,) Los Angeles, Cal. Incandescent lamp. No. 1,259,907; Mar. 19; v. 248; p. 635.
Rider, Thomas B., assignor, by mesne assignments, of one-half to G. de Castro-Danziger, *née* McClellan, Los Angeles, Cal. X-ray tube. No. 1,287,598; Dec. 10; v. 257; p. 383.
Ridge, Stockwell A., Elmira, N. Y. Glare-shield for automobiles. No. 1,253,281; Jan. 15; v. 246; p. 597.
Ridgeway, W. A., *et al.* (See Ward, John A., assignor.)
Ridgway, Ellis B., Coatesville, Pa. Check-valve. No. 1,260,058; Mar. 19; v. 248; p. 680.
Ridgway, Ellis B., and W. H., Coatesville, Pa. Steam hydraulic elevator. No. 1,260,057; Mar. 19; v. 248; p. 679.
Ridgway, Ellis B. and W. H., Coatesville, Pa. Lubricating cylinder of elevators. No. 1,263,928; Apr. 23; v. 249; p. 903.
Ridgway, Herbert N., Winthrop, Mass. Amusement device. No. 1,279,911; Sept. 24; v. 254; p. 784.
Ridgway, William H. (See Ridgway, Ellis B. and W. H.)
Ridings, Harry E. (See Okazaki, Umata, assignor.)
Ridley, Arthur G. B. (See Speed and Ridley.)
Riebe, Ernest, New York, N. Y. Fencing implement. No. 1,276,959; Aug. 27; v. 253; p. 820.
Riebe, Theodore C., assignor to Rogers Motor Lock Company, Chicago, Ill. Automobile-lock. No. 1,276,116; Aug. 20; v. 253; p. 552.
Riebe, Theodore C., assignor to Rogers Motor Lock Company, Chicago, Ill. Flexible armored conduit. No. 1,276,117; Aug. 20; v. 253; p. 553.
Riebel, Fred, Chicago, Ill. Discharging mechanism for liquid-containers. No. 1,283,906; Nov. 5; v. 256; p. 124.
Rieber, Frank, assignor by mesne assignments to Rieber Laboratories, San Francisco, Cal. Apparatus for extracting and inserting high-tension fuse-plugs. No. 1,281,069; Oct. 8; v. 255; p. 289.
Rieber Laboratories. (See Rieber, Frank, assignor.)
Rieck, William L., Kankakee, assignor to Paramount Hosiery Form Drying Co., Chicago, Ill. Hosiery drying and shaping structure. No. 1,273,093; July 16; v. 252; p. 716.
Riecken, William E., assignor to Western Electric Company, Incorporated, New York, N. Y. Shaping-machine. No. 1,251,578; Jan. 1; v. 246; p. 40.
Riedel, William J., Jr., Cleveland, Ohio. Illuminating attachment for talking-machines. No. 1,285,389; Nov. 19; v. 256; p. 569.
Rieder, Alvin D., *et al.* (See Jackson, Clarence W., assignor.)
Rieder, Ernest, Lake Forest, Ill. Mortising-machine. No. 1,251,579; Jan. 1; v. 246; p. 40.
Riedler, Alois, Berlin, Germany. Crank-shaft. No. 1,254,159; Jan. 22; v. 246; p. 870.
Riedler, Alois, Berlin, Germany. Piston-engine. No. 1,259,292; Mar. 12; v. 248; p. 425.
Riedler, Alois, Berlin, Germany. Piston for internal-combustion engines. No. 1,270,663; June 25; v. 251; p. 794.
Riedy, Joseph M., Milwaukee, Wis. Tool-holder. No. 1,262,701; Apr. 16; v. 249; p. 540.
Rieff, John G., London, Wis. Sleigh. No. 1,280,845; Oct. 8; v. 255; p. 230.
Rieffel, August. (See Baader and Rieffel.)
Riegel, John, East Mauch Chunk, Pa. Heater. No. 1,263,702; Apr. 23; v. 249; p. 840.
Riegel, Mark, Pomona, Ga. Pepper-peeling machine. No. 1,258,245; Mar. 5; v. 248; p. 86.
Riegel, Samuel S. (See Buckley and Riegel.)
Rieke, Ray E., Sterling, Colo. Beet-loading machine. No. 1,260,059; Mar. 19; v. 248; p. 680.
Riekenberg, Henry F., Sylvan Grove, Kans. Hay-sling. No. 1,264,208; Apr. 30; v. 249; p. 1013.
Riekens, John, Wellsburg, Iowa. Wire-stretcher. No. 1,256,927; Feb. 19; v. 247; p. 607.
Riely, Compton and H. E., Baltimore, Md. Machine for preparing surgical bandages. No. 1,289,912; Dec. 31; v. 257; p. 1034.
Riely, Henry E. (See Riely, Compton and H. E.)
Ries, Ferdinand, New York, N. Y. Diamond-grinder. No. 1,269,002; June 11; v. 251; p. 281.
Riesberg, Van Vechton, assignor of one-half to F. H. Dougherty, Philadelphia, Pa. Air-valve for radiators. No. 1,275,750; Aug. 13; v. 253; p. 419.
Riesenberg, Felix, assignor, by mesne assignments, to Herbert L. Carman, New York, N. Y. Self-filling fountain-pen. (Reissue.) No. 14,474; May 21; v. 250; p. 749.
Riesenecker, Peter, Chicago, Ill. Means for and method of operating on canned goods. No. 1,252,302; Jan. 1; v. 246; p. 249.
Rieske, Otto G., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Cultivator. No. 1,276,270; Aug. 20; v. 253; p. 595.
Rieske, Otto G., Buffalo, N. Y. Wool-pulling machine. No. 1,284,203; Nov. 5; v. 256; p. 202.
Riess, William H., Cincinnati, Ohio. Telephone-receiver. No. 1,286,885; Dec. 3; v. 257; p. 166.
Riethmueller, Richard H., Philadelphia, Pa. Hypodermic needle. No. 1,272,104; July 9; v. 252; p. 413.
Riethmueller, Richard H., Montclair, N. J., assignor to H. A. Metz, New York, N. Y. Hypodermic needle. No. 1,274,081; July 30; v. 252; p. 1048.
Rietzsch, Alfred, administrator. (See Zahn, Robert.)

Alphabetical list of patentees—Continued.

Rigby, Albert V., Sharon, Pa. Tar-burner. No. 1,283,907; Nov. 5; v. 256; p. 124.
Rigby, George E., Manchester, England. Adjusting means for the driving belts or chains of motor-cycles and the like. No. 1,252,952; Jan. 8; v. 246; p. 470.
Rigby, George E., Manchester, England. Spring-frame for cycles and motor-cycles. No. 1,261,440; Apr. 2; v. 249; p. 127.
Rigby, George E., Manchester, England. Spring suspension for motor or other cycles. No. 1,261,441; Apr. 2; v. 249; p. 128.
Rigby, George E., Manchester, England. Foot-rest for motor-cycles. No. 1,261,442; Apr. 2; v. 249; p. 128.
Rigby, George E., Manchester, England. Frame for cycles No. 1,282,002; Oct. 15; v. 255; p. 572.
Rigby, Holden, Paterson, N. J. Leaf-spring. No 1,288,993; Dec. 24; v. 257; p. 783.
Rigby, Holden, Paterson, N. J. Self-lubricating leaf spring. No. 1,288,994; Dec. 24; v. 257; p. 783.
Rigby, Thomas. (See Testrup and Rigby.)
Rigerman, Clarence W., Lockport, N. Y. Ink-well. No 1,278,016; Sept. 3; v. 254; p. 187.
Rigert, Herman, Waterbury, Conn. Snap-fastener. No 1,275,473; Aug. 13; v. 253; p. 341.
Rigg, Gilbert, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Rendering lithopone light-proof. No. 1,260,811; Mar. 26; v. 248; p. 930.
Rigg, Gilbert, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Light-proof lithopone and making same. No. 1,260,812; Mar. 26; v. 248; p. 930.
Rigg, Joseph H., Goldengate, Ill. Hoisting apparatus. No. 1,276,569; Aug. 20; v. 253; p. 678.
Riggan, John L., Spring Grove, Va. Crank-handle-retaining device. No. 1,271,774; July 9; v. 252; p. 318.
Riggs, Alfred L., Ebensburg, Pa. Spark-plug. No. 1,265,518; May 7; v. 250; p. 176.
Riggs, Alfred L., Pittsburgh, Pa., assignor to Visible Spark Plug Company. Spark-plug. (Reissue.) No. 14,537; Oct. 15; v. 255; p. 580.
Riggs, Alfred L., Pittsburgh, Pa., assignor to Visible Spark Plug Company. Spark-plug. (Reissue.) No. 14,538; Oct. 15; v. 255; p. 581.
Riggs, Ashley M. (See Riggs, Lewis W., and A. M.)
Riggs, Fletcher S., Dallas, Tex. Signal apparatus for motor-vehicles. No. 1,279,159; Sept. 17; v. 254; p. 548.
Riggs, Frank F., Lead, S. D. Combination implement. No. 1,276,960; Aug. 27; v. 253; p. 820.
Riggs, Garshom A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film spool. No. 1,269,003; June 11; v. 251; p. 282.
Riggs, George R., Washington, D. C., assignor of one-half to F. A. Schaefer, Raspeburg, Md. Vehicle-wheel. No. 1,271,366; July 2; v. 252; p. 172.
Riggs, Horace A., Indianapolis, Ind. Centrifugal separator or clarifier. No. 1,271,367; July 2; v. 252; p. 172.
Riggs, Lewis W., and A. M., Wheeling, W. Va. Hydro-aeroplane. No. 1,281,661; Oct. 15; v. 255; p. 481.
Right Way Cooker Company, The. (See Stivers and Enochs, assignors.)
Rightmire-Berg Company. (See Rightmire and Berg, assignors.)
Rightmire, Hiram K., Chicago, and S. E. Berg, Oak Park, Ill., assignor to Rightmire-Berg Company. Printing apparatus. No. 1,265,519; May 7; v. 250; p. 177.
Rightmire, John E., Melrose, Mass. Manually-propelled vehicle. No. 1,264,559; Apr. 30; v. 249; p. 1111.
Riglesberger, Charles E. (See Day, Harry L., assignor.)
Rigling, John, Philadelphia, Pa. Direct air displacement pump. No. 1,289,543; Dec. 31; v. 257; p. 944.
Rignon, Giuseppe A., Genoa, Italy. Making electrical contacts. No. 1,264,685; Apr. 30; v. 249; p. 1145.
Rigot, Paul, Jr., Wheeling, W. Va. Necktie-fastener. No. 1,273,094; July 16; v. 252; p. 717.
Riker, Andrew L., Short Hills, N. J. Sparking means for motor-vehicles. No. 1,264,560; Apr. 30; v. 249; p. 1111.
Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Internal-combustion engine. No. 1,253,630; Jan. 15; v. 246; p. 699.
Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Power-transmission gearing. No. 1,264,561; Apr. 30; v. 249; p. 1112.
Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Carbureter. No. 1,264,860; Apr. 30; v. 249; p. 1192.
Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Internal-combustion engine. No. 1,268,623; June 4; v 251; p. 158
Riker, Andrew L., assignor to The Locomobile Company of America, Bridgeport, Conn. Wind-shield. No. 1,275,173; Aug. 6; v. 253; p. 234.
Riley, Albert G. (See Riley, Howard V. and A. G.)
Riley, Camden, Salt Lake City, Utah. Railway cattle-guard. No. 1,287,752; Dec. 17; v. 257; p. 453.
Riley, Charles E., Newton, Mass., assignor to H & B American Machine Company, Pawtucket, R. I. Apparatus for distributing cotton or other materials. No. 1,251,580; Jan. 1; v. 246; p. 41.
Riley, Francis B., assignor to M. V. Kelley, trustee, Toledo, Ohio. Refrigeration apparatus. No. 1,277,124; Aug. 27; v. 253; p. 865.
Riley, Fred E., Livermore Falls, Me. Automatic grind-stone-dresser. No. 1,268,624; June 4; v. 251; p. 158.
Riley, George, Morenci, Ariz. Expanding mandrel. No. 1,280,846; Oct. 8; v. 255; p. 230.
Riley, Harry L., Atlantic City, N. J. Toy. No. 1,258,464; Mar. 5; v. 248; p. 150.
Riley, Howard V. and A. G., Flint, Mich. Device for reforming fruit-jar covers. No. 1,272,105; July 9; v. 252; p. 413.
Riley, John D., and J. L. Lovell, Conneaut, Ohio. Plastic packing composition. No. 1,270,056; June 18; v. 251; p. 602.
Riley, John W., Waverly, N. Y. Universal elliptical-spring former. No. 1,272,531; July 16; v. 252; p. 558.
Riley, Joseph J., Toledo, Ohio. Automatic automobile-protector. No. 1,269,744; June 18; v. 251; p. 518.
Riley, Lester, Greenwood, Mass., assignor to The Will & Baumer Company, Syracuse, N. Y. Candle-lamp. No. 1,278,386; Sept. 10; v. 254; p. 311.
Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,264,335; Apr. 30; v. 249; p. 1047.
Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Signaling system. No. 1,286,110; Nov. 26; v. 256; p. 787.
Riley, Robert S., assignor to Sanford Riley Stoker Co., Worcester, Mass. Air-admitting device for underfeed retorts. No. 1,283,425; Oct. 29; v. 255; p. 1027.
Riley, Robert S., assignor to Sanford Riley Stoker Co., Ltd., Worcester, Mass. Self-feeding stoker. No. 1,284,929; Nov. 12; v. 256; p. 414.
Riley, Willis L., St. Paul, Minn. Gyroscope-brake. No. 1,259,293; Mar. 12; v. 248; p. 425.
Riley, Willis L., Omaha, Nebr. Motor-engine. No. 1,260,943; Mar. 26; v. 248; p. 965.
Riley, Winfield S., Oakhill, Kans. Auto-wheel device. No. 1,267,455; May 28; v. 250; p. 801.
Rileau, Francis M., San Francisco, Cal. Quickly-detachable means for securing tires. No. 1,260,455; Mar. 26; v. 248; p. 825.
Rilley, Thomas. (See Mullin, Joseph H., assignor.)
Rilling, Albert, assignor to Mafam Motor-Apparate G. m. b. H., Frankfort-on-the-Main, Germany. Means for use in automatically controlling the timing in magneto-ignition apparatus. No. 1,273,095; July 16; v. 252; p. 717.
Rillings John E., Milwaukee, Wis. Vehicle-seat. No. 1,263,703; Apr. 23; v. 249; p. 840.
Rimailho, Emile, assignor to Compagnie Des Forges Et Acieries De La Marine Et D'Homecourt, Paris, France. Wheeled gun-carriage with wide scope of fire. No. 1,272,106; July 9; v. 252; p. 414.
Rimailho, Emile, assignor to Compagnie Des Forges Et Acieries de la Marine Et D'Homecourt, Paris, France. Wheeled gun-carriage with wide scope of fire for field-artillery. No. 1,285,390; Nov. 19; v. 256; p. 569.
Rimple, Ernest C., Port Orchard, Wash. Drinking-stopper. No. 1,260,813; Mar. 26; v. 248; p. 930.
Rinebold, Wilbert H., Fostoria, Ohio. Odometer. No. 1,265,960; May 14; v. 250; p. 330.
Rinehart, Bentley L., Philadelphia, Pa. Means for providing explosive mixtures. No. 1,254,358; Jan. 22; v. 246; p. 927.
Rinehart, Howard M., assignor, by mesne assignments, to The Dayton Metal Products Company, Dayton, Ohio. Aeroplane control. No. 1,290,025; Dec. 31; v. 257; p. 1062.
Rinehart, Thomas M., Dallas, Tex. Combination muffler and air-heating device. No. 1,280,847; Oct. 8; v. 255; p. 230.
Ring, Sidney H., Clatskanie, Oreg. Music-holder. No. 1,269,859; June 18; v. 251; p. 551.
Ringe, John C., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,269,118; June 11; v. 251; p. 314.
Ringling, Walter L., assignor to National Wire Wheel Works, Inc., Geneva, N. Y. Wrench. No. 1,276,071; Aug. 20; v. 253; p. 540.
Ringland, George L., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Core construction for electrical apparatus. No. 1,286,782; Dec. 3; v. 257; p. 142.
Ringland, T. W., *et al.* (See Blair, John H., assignor.)
Ringlund, Gustaf A., Minneapolis, Minn. Oil-pan heater. No. 1,269,310; June 11; v. 251; p. 368.
Ringquist, Justus M. (See Wrightson and Ringquist.)
Rink, George W., Jersey City, N. J., assignor to Flory Carry Iron Company, St. Louis, Mo. Draw-bar carry-iron. (Reissue.) No. 14,526; Oct. 1; v. 255; p. 141.
Rink, Louis G., assignor to Sharp & Smith, Chicago, Ill. Sacral rest. No. 1,258,246; Mar. 5; v. 248; p. 86.
Rink, Louis G., assignor to Sharp & Smith, Chicago, Ill. Forceps. No. 1,288,995; Dec. 24; v. 257; p. 783.

Rinker, John C., Roseville, Cal. Ventilator. No. 1,258,247; Mar. 5; v. 248; p. 86.
Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Canceling, indorsing, and coupon-cutting attachment for adding-machines. No. 1,262,097; Apr. 9; v. 249; p. 341.
Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,262,702; Apr. 16; v. 249; p. 540.
Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,270,870; July 2; v. 252; p. 33.
Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Retarding mechanism. No. 1,273,539; July 23; v. 252; p. 861.
Rinta, Jacob, and A. Matson, West Fitchburg, Mass. Boiler-feeder. No. 1,264,861; Apr. 30; v. 249; p. 1192.
Rintelman, Anton H., Chicago, Ill. Sound-reproducing machine. No. 1,252,843; Jan. 8; v. 246; p. 438.
Rintelman, Anton H., Chicago, Ill. Needle for talking-machines. No. 1,271,224; July 2; v. 252; p. 134.
Rintoul, William. (See Nathan, Rintoul, and Baker.)
Riopelle, Harry F., Detroit, assignor, by mesne assignments, of one-half to A. T. Sanscrainte, Ecorse, Mich. Hoist for motor-vehicles. No. 1,275,751; Aug. 13; v. 253; p. 420.
Riordan, John D., Hannibal, Mo. Hub-liner. No. 1,289,544; Dec. 31; v. 257; p. 944.
Riordan, Patrick D., New York, N. Y. Clothes-drier. No. 1,261,622; Apr. 2; v. 249; p. 178.
Riordan, Patrick D., New York, N. Y. Clothes-drier. No. 1,261,623; Apr. 2; v. 249; p. 179.
Riordan, Patrick D., New York, N. Y. Clothes-drier. No. 1,288,996; Dec. 24; v. 257; p. 784.
Riordan, Robert W., Brooklyn, N. Y. Apple-corer. No. 1,272,107; July 9; v. 252; p. 414.
Rios, Thomas, San Francisco, assignor of one-half to D. F. Bernal, Livermore, Cal. Tortilla-forming machine. No. 1,263,929; Apr. 23; v. 249; p. 904.
Rios, Tomas, Monterey, Mexico. Tortilla-baking machine. No. 1,277,125; Aug. 27; v. 253; p. 865.
Riotte, Eugene A., Douglaston, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Marine propeller. No. 1,267,117; May 21; v. 250; p. 681.
Rioux, Joseph F., Edgewood, R. I. Buckle. No. 1,266,629; May 21; v. 250; p. 545.
Ripczinske, Joseph, Wausau, Wis. Water-rotor. No. 1,283,908; Nov. 5; v. 256; p. 124.
Ripken, Hugo F., assignor of one-half to C. A. McCulloch, Minneapolis, Minn. Drifting and relief valve. No. 1,272,718; July 16; v. 252; p. 612.
Ripken, Hugo F., assignor of one-half to C. A. McCulloch, Minneapolis, Minn. Drifting and relief valve. No. 1,280,848; Oct. 8; v. 255; p. 231.
Ripley, William H., Orange, N. J., assignor to The Prometheus Electric Company. Sterilizer. No. 1,266,052; May 14; v. 250; p. 355.
Ripper, Newton. (See Bower, Jacob M., assignor.)
Rippin, James F., Johnstown, Pa. Automatic light-switch. No. 1,281,210; Oct. 8; v. 255; p. 329.
Rippl, Francis J., Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for cutting and severing glass. No. 1,262,567; Apr. 9; v. 249; p. 473.
Risberg, Fred A. (See Fredrickson and Risberg.)
Rischard, Joseph J., Pasadena, Cal. Valve-grinding tool. No. 1,271,488; July 2; v. 252; p. 204.
Risdon, F. P., *et al.* (See Staley, William O., assignor.)
Rishebegar, James R., Braddock, Pa. Shield for furnaces. No. 1,287,104; Dec. 10; v. 257; p. 262.
Rishel, Harry A., Philadelphia, Pa. Automobile-radiator shield. No. 1,261,855; Apr. 9; v. 249; p. 276.
Risk, Allan, Newcastle-upon-Tyne, England. Hand-operated apparatus for rotating drills or other rotary tools or implements. No. 1,257,532; Feb. 26; v. 247; p. 819.
Risk, Loren, Minneapolis, Minn. Vulcanizer. No. 1,260,580; Mar. 26; v. 248; p. 863.
Risk, Loren, Minneapolis, Minn. Tire-charging air-pump. No. 1,278,387; Sept. 10; v. 254; p. 311.
Risley, Sheridan, assignor to The Cleveland Dental Manufacturing Company, Cleveland, Ohio. Dental tool. No. 1,252,179; Jan. 1; v. 246; p. 215.
Ristine, John D., and B. C. Rowell, deceased, N. H. Byam, administrator, assignors to Anchor Brake Shoe & Manufacturing Company, Chicago, Ill. Making brake-shoes. No. 1,257,122; Feb. 19; v. 247; p. 663.
Ritchay, Vincent O. (See Harris and Ritchay.)
Ritchey, Murray V., Verona, Pa. Carbonating beverages. No. 1,261,294; Apr. 2; v. 249; p. 86.
Ritchie, Ernest G., Dundee, Scotland. Belt-fastener. No. 1,261,166; Apr. 2; v. 249; p. 49.
Ritchie, John, New York, N. Y. Latch for automobile-doors. No. 1,253,530; Jan. 15; v. 246; p. 671.
Ritchie, Nelvia E., Kansas City, Mo. Clothes-retainer for railway-car sleeping-apartments. No. 1,274,937; Aug. 6; v. 253; p. 169.
Ritchie, Thomas B. (See Richard and Ritchie.)
Ritchie, William H., Patchogue, N. Y. Bicycle flash-light bracket. No. 1,277,479; Sept. 3; v. 254; p. 40.
Riter-Conley Manufacturing Company. (See Carpenter and Warner, assignors.)
Riter-Conley Manufacturing Company. (See Warner, Arthur W., assignor.)
Ritscher, William J. S., assignor of one-half to W. W. Woodruff, Pittsburgh, Pa. Paper-pinning machine. No. 1,255,640; Feb. 5; v. 247; p. 152.
Ritt, William F., Milwaukee, Wis. Stump-consumer. No. 1,284,778; Nov. 12; v. 256; p. 375.
Rittenhouse, G. Johnson, *et al.* (See Crockett, Ernest J., assignor.)
Ritter Dental Manufacturing Company, The. (See Fertig and May, assignors.)
Ritter, George, Perth Amboy, N. J. Jar-closure. No. 1,258,465; Mar. 5; v. 248; p. 150.
Ritter, Gilbert P., Washington, D. C. Draft appliance for railway-vehicles. No. 1,256,259; Feb. 12; v. 247; p. 375.
Ritter, Heinderich F. W., Schiedam, Netherlands. Conveying means for bottle-holders. No. 1,261,961; Apr. 9; v. 249; p. 305.
Ritter, Henry J., Tippecanoe City, Ohio. Kitchen-cabinet. No. 1,273,925; July 30; v. 252; p. 1005.
Ritter, Isaac B., Philadelphia, Pa., assignor to Otis Elevator Company, New York, N. Y. Hydraulic elevator. No. 1,261,624; Apr. 2; v. 249; p. 179.
Ritter, John A., New York, N. Y., assignor to Hall Switch & Signal Co. System of distribution. No. 1,274,601; Aug. 6; v. 253; p. 75.
Ritter, John A., New York, N. Y., assignor to Hall Switch & Signal Co. System of distribution. No. 1,274,602; Aug. 6; v. 253; p. 75.
Rittmeyer, Louis C., St. Bernard, Ohio. Automobile-locking device. No. 1,266,159; May 14; v. 250; p. 386.
Ritts, William H. (See Hampton and Ritts.)
Ritts, William H., Etna, assignor to G. T. Ladd, Pittsburgh, Pa. Boiler. No. 1,258,248; Mar. 5; v. 248; p. 86.
Ritz, August N., assignor to Diamond Ink Company, Milwaukee, Wis. Brush-holding bottle-cap. No. 1,286,783; Dec. 3; v. 257; p. 143.
Ritz, Emil, Jr., Cheviot, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Internal and external grinder. No. 1,259,130; Mar. 12; v. 248; p. 383.
Ritz, Emil, Jr., Cheviot, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Grinder. No. 1,259,131; Mar. 12; v. 248; p. 385.
Ritz, Emil, Jr., assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Portable electric tool. No. 1,259,132; Mar. 12; v. 248; p. 384.
Ritz, George A., Rochester, N. Y. Convertible newspaper carrier, cart, &c. No. 1,288,997; Dec. 24; v. 257; p. 784.
Ritz-Woller, Oliver C., Chicago, Ill. Gasolene-gage. No. 1,257,929; Feb. 26; v. 247; p. 935.
Ritzmer, Frederick M. (See Anderson and Ritzmer.)
Rivard, Charles A., assignor to Gorham Manufacturing Company, Providence, R. I. Engraving-machine. No. 1,281,838; Oct. 15; v. 255; p. 530.
Rivard, Charles A., assignor to Gorham Manufacturing Company, Providence, R. I. Engraving-machine. No. 1,285,795; Nov. 26; v. 256; p. 712.
River and Rail Transportation Company. (See Kirchner, Henry W., assignor.)
Rivera, José S., Habana, Cuba. Machine for writing musical characters and indications. No. 1,251,922; Jan. 1; v. 246; p. 142.
Rivers, Charles A., El Paso, Tex. Automatic air device for gas-engines. (Reissue.) No. 14,561; Dec. 10; v. 257; p. 384.
Rivers, George W., Aberdeen, N. C., assignor to C. N. Brasington, Bennettsville, S. C. Huller. No. 1,263,601; Apr. 23; v. 249; p. 813.
Rivers, Thomas M., Kissimmee, Fla. Tidal hydraulic-power plant. No. 1,268,625; June 4; v. 251; p. 159.
Riverview Park Company. (See Cooper and Schmidt, assignors.)
Rives, Isabel, Washington, D. C. Preservation of flags. No. 1,275,603; Aug. 13; v. 253; p. 377.
Rivett, Edward, Hull, Mass. Grinding-machine. No. 1,288,998; Dec. 24; v. 257; p. 784.
Rivett Lathe & Grinder Company. (See Fenaux, Pierre P., assignor.)
Riviere Brass & Bronze Co. (See Riviere, Paul J., assignor.)
Riviere, Hal, Columbus, Ga. Bobbin-holder and tension device. No. 1,276,416; Aug. 20; v. 253; p. 636.
Riviere, Paul J., Jersey City, N. J., assignor to Riviere Brass & Bronze Co. Electric-light support. No 1,289,913; Dec. 31; v. 257; p. 1035.
Rivkin, Menahem, Philadelphia, Pa. Drawing instrument. No. 1,287,440; Dec. 10; v. 257; p. 344.
Rix Buggy Company. (See Hull, Matthew R., assignor.)
Rix, Edward A., Oakland, Cal. Fluid-compressor. No. 1,264,562; Apr. 30; v. 249; p. 1112.
Rix, Milton H., assignor to Sheffield Car Company, Three Rivers, Mich. Air-cooled internal-combustion engine No. 1,265,249; May 7; v. 250; p. 104.
Rix, George K., deceased, Wilmette; W. B. Rix, administrator, assignor to J. H. Dodson, Chicago, Ill. Cat, squirrel, and animal guard. No. 1,286,416; Dec. 3; v. 257; p. 57.
Rix, Walter B., administrator. (See Rix, George K.)
Rixson, Oscar C., New Rochelle, N. Y. Hinge for swinging closures. No. 1,263,930; Apr. 23; v. 249; p. 904.

Rixson, Oscar C., New Rochelle, N. Y. Door stay and holder. No. 1,263,931; Apr. 23; v. 249; p. 904.
Rixson, Oscar C., New Rochelle, N. Y. Holder for swinging closures. No. 1,265,520; May 7; v. 250; p. 177.
Rixson, Oscar C., New Rochelle, N. Y. Door closer and check. No. 1,266,320; May 14; v. 250; p. 429.
Rixson, Oscar C., New Rochelle, N. Y. Cremorne-bolt. No. 1,269,311; June 11; v. 251; p. 369.
Rixson, Oscar C., New Rochelle, N. Y. Composite metallic structure. No. 1,270,871; July 2; v. 251; p. 34.
Rixson, Oscar C., New Rochelle, N. Y. Cremorne bolt. No. 1,277,126; Aug. 27; v. 253; p. 865.
Rizzolo, Donato R., Newark, N. J. Pivoted reversible window. No. 1,255,464; Feb. 5; v. 247; p. 100.
Roach, Christopher J., Middletown, Conn. Chain construction. No. 1,257,398; Feb. 26; v. 247; p. 779.
Roach, Christopher J., Middletown, Conn. Chisel-handle. No. 1,268,871; June 11; v. 251; p. 245.
Roach, Harry F., St. Louis, Mo. Rail-joint. No. 1,258,249; Mar. 5; v. 248; p. 87.
Roach, Harry F., St. Louis, Mo. Insulated rail-joint. No. 1,258,250; Mar. 5; v. 248; p. 87.
Roach, Harry F., St. Louis, Mo. Insulation for rail-joints. No. 1,258,251; Mar. 5; v. 248; p. 88.
Roach, Harry F., St. Louis, Mo. Rail-joint. No. 1,258,252; Mar. 5; v. 248; p. 88.
Roach, Harry F., St. Louis, Mo. Insulated rail-joint. No. 1,258,253; Mar. 5; v. 248; p. 88.
Roach, Samuel L., Grinnell, Iowa. Compound tool. No. 1,276,961; Aug. 27; v. 253; p. 820.
Roach, William W., Philadelphia, assignor of six one-hundredths to E. A. Teepell, West Philadelphia, Pa., and one-third to H. J. Waring, New York, N. Y. Automobile-brake. (Reissue.) No. 14,426; Jan. 22; v. 246; p. 1010.
Roach, William W., Philadelphia, Pa. Brake. No. 1,278,081; Sept. 3; v. 254; p. 204.
Roades, Weslie M., Okmulgee, Okla. Tank. No. 1,276,814; Aug. 27; v. 253; p. 782.
Roads, Samuel H., Springfield, Mass. Bottle-carrier. No. 1,287,106; Dec. 10; v. 257; p. 262.
Roark, Albert E., Scott, Kans. Mail-bag catcher. No. 1,267,697; May 28; v. 250; p. 869.
Roath, William S., Akron, Ohio. Direct-return valve for steam-heating systems. No. 1,268,280; June 4; v. 251; p. 59.
Robb, Clyde S., Washington, assignor of one-half to C. J. Kunzler, Pittsburgh, Pa. Apparatus for drawing glass cylinders. No. 1,256,260; Feb. 12; v. 247; p. 375.
Robb, Clifford D., West View, Pa. Combined gas and air mixer and controller. No. 1,286,784; Dec. 3; v. 257; p. 143.
Robb, Frank M., Westmont, Quebec, Canada. Operating mechanism for fans. No. 1,279,443; Sept. 17; v. 254; p. 624.
Robb, John, and E. S. Lyons, Toronto, Ontario, Canada. Hand-drill. No. 1,272,108; July 9; v. 252; p. 414.
Robb, John F., and C. H. Wagner, Washington, D. C.; said Wagner assignor to said Robb. Concrete-distributer. No. 1,288,999; Dec. 24; v. 257; p. 784.
Robbe, Julius, Memphis, Tenn. Train-speed control. No. 1,274,330; July 30; v. 252; p. 1116.
Robbins, Albert F., Waltham, Mass. Chuck-closer. No. 1,272,109; July 9; v. 252; p. 414.
Robbins, Charles F. (See Putnam and Robbins.)
Robbins, David, Clifton, Ariz. Advertising device. No. 1,254,359; Jan. 22; v. 246; p. 928.
Robbins, Frank M., assignor to Positive Rail Anchor Company, Marion, Ind. Anticreeping device for railway-rails. No. 1,264,209; Apr. 30; v. 249; p. 1013.
Robbins, George M., Newark, N. J. Aeroplane, hydroplane, and the like. No. 1,269,645; June 18; v. 251; p. 491.
Robbins, Harry G., Los Angeles, Cal. Tire. No. 1,280,086; Sept. 24; v. 254; p. 831.
Robbins, John E., Greensburg, Ind. Hog-feeder. No. 1,257,399; Feb. 26; v. 247; p. 779.
Robbins, John E., Greensburg, Ind. Hog-feeder. No. 1,257,638; Feb. 26; v. 247; p. 851.
Robbins, Lloyd J., Pomona, Kans. Wagon-jack. No. 1,289,268; Dec. 31; v. 257; p. 876.
Robbins, Percy A., Timmins, Ontario, Canada. Settler for fluid mixtures. No. 1,272,850; July 16; v. 252; p. 651.
Robbins, Wilburn L., Granite City, Ill. Music-chart. No. 1,286,785; Dec. 3; v. 257; p. 143.
Roberge, Joseph I., assignor to Waterbury Clock Co., Waterbury, Conn. Rod-gong for striking-clocks. No. 1,269,511; June 11; v. 251; p. 421.
Roberson, Ella, Tulia, Tex. Chute for garbage. No. 1,253,099; Jan. 8; v. 246; p. 516.
Robert Findlay Manufacturing Company. (See Kossmann, Max, assignor.)
Robert Gair Company. (See Tinsley, Edward O., assignor.)
Robert N. Bassett Company. (See Bradshaw, Charles E., assignor.)
Robert N. Bassett Company, The. (See Russ, Friend A., assignor.)
Robert N. Bassett Company. (See Russ, John B., assignor.)
Robert N. Bassett Company. (See Stuart, Henry J., assignor.)
Robert Stephenson and Company (1914) Limited. (See Goodall, Clarence N., assignor.)
Roberts, Addo M., and E. G. Williamson, Greenville, Pa. Pneumatic tool. No. 1,267,698; May 28; v. 250; p. 869.
Roberts, Alfred H. B., Los Angeles, Cal. Dry-vapor generator. No. 1,282,372; Oct. 22; v. 255; p. 715.
Roberts, Alfred T., Long Beach, and E. K. Barnes, Casa Verdugo, Cal. Vapor-heating device for internal-combustion engines. No. 1,287,753; Dec. 17; v. 257; p. 454.
Roberts, Arthur. (See Moss and Roberts.)
Roberts, Arthur, Evanston, Ill. Coke-oven foundation. No. 1,259,133; Mar. 12; v. 248; p. 384.
Roberts, Arthur L., Jackson, Tenn. Engine attachment. No. 1,275,752; Aug. 13; v. 253; p. 420.
Roberts, Cecil C., Mount Vernon, Ohio. Welding compound. No. 1,283,909; Nov. 5; v. 256; p. 124.
Roberts, Charles C., Ansonia, Conn. Machine and method for coating with metal. No. 1,252,363; Jan. 1; v. 246; p. 264.
Roberts, Charles F., assignor to Chicago Metal Products Co., Chicago, Ill. Phonographic driving mechanism. No. 1,265,115; May 7; v. 250; p. 69.
Roberts, Chester A., Allegan, Mich. Automobile sleigh. No. 1,256,261; Feb. 12; v. 247; p. 376.
Roberts, Edward, Detroit, Mich. Electrical safety device. No. 1,276,962; Aug. 27; v. 253; p. 820.
Roberts, Edward C., Saltville, Va. Carbureter. No. 1,289,914; Dec. 31; v. 257; p. 1035.
Roberts, Edward C., Saltville, Va. Wheel-hub. No. 1,289,915; Dec. 31; v. 257; p. 1035.
Roberts, Eugene, assignor to Sugar Centrifugal Discharger Company, Salt Lake City, Utah. Hydraulic device for pumping and other purposes. No. 1,279,912; Sept. 24; v. 254; p. 784.
Roberts, Eugene, assignor to Sugar Centrifugal Discharger Company, Salt Lake City, Utah. Rotary pump. No. 1,279,913; Sept. 24; v. 254; p. 785.
Roberts, Eugene, and A. H. Gibson, assignors to Sugar Centrifugal Discharger Co., Salt Lake City, Utah. Centrifugal basket. No. 1,259,048; Mar. 12; v. 248; p. 359.
Roberts, Frank V. (See Freck and Roberts.)
Roberts, George C. (See Schmidt and Roberts.)
Roberts, George C., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Long-distance pumping apparatus. No. 1,261,295; Apr. 2; v. 249; p. 86.
Roberts, Gerald I. (See King and Roberts.)
Roberts, Gus F., Fries, Va. Cleaner for spinning-machines. No. 1,252,180; Jan. 1; v. 246; p. 215.
Roberts, Gus F., assignor to Textile Specialty Company, Belton, S. C. Wiper for spinning-machines. No. 1,256,040; Feb. 12; v. 247; p. 308.
Roberts, Harry F., Kay Moor, W. Va. Carbid-lamp attachment. No. 1,280,849; Oct. 8; v. 255; p. 231.
Roberts, Harry T., Oakland, Cal. Automatic spark-advancing mechanism. No. 1,274,082; July 30; v. 252; p. 1048.
Roberts, Harry T., San Francisco, Cal. Spark-timing mechanism. No. 1,274,083; July 30; v. 252; p. 1048.
Roberts, Isaac, and W. Shaw, Brooklyn, N. Y., assignors to said Isaac Roberts. Rotary pump. No. 1,270,872; July 2; v. 252; p. 34.
Roberts, James M., St. Joseph, Mo. Wire-stretcher. No. 1,252,953; Jan. 8; v. 246; p. 470.
Roberts, James M., Marion, Ky. Pipe-coupling. No. 1,256,369; Feb. 12; v. 247; p. 408.
Roberts, James M., Fredonia, Ky. Holder for miners' lamps. No. 1,271,368; July 2; v. 252; p. 173.
Roberts, John C., New Iberia, La. Message-darts. No. 1,278,017; Sept. 3; v. 254; p. 187.
Roberts, John D., St. Paul, Minn. Tank. No. 1,278,018; Sept. 3; v. 254; p. 187.
Roberts, John G., Dobbs Ferry, assignor to Western Electric Company, Incorporated, New York, N. Y. Registering and recording device. No. 1,276,570; Aug. 20; v. 253; p. 679.
Roberts, John G., Dobbs Ferry, assignor to Western Electric Company, New York, N. Y. Contact-bank. No. 1,283,563; Nov. 5; v. 256; p. 33.
Roberts, John J., assignor to Reciprocating Electric Tool Company, Louisville, Ky. Electrical hammer and stone-cutter. No. 1,284,930; Nov. 12; v. 256; p. 415.
Roberts, John N., Lawrence, Kans. Tree guard or protector. No. 1,264,862; Apr. 30; v. 249; p. 1193.
Roberts, Julius O. (See Feebusch and Roberts.)
Roberts, Lee M., Burke, Idaho. Nut-lock. No. 1,263,932; Apr. 23; v. 249; p. 905.
Roberts, Louis L. (See Golata and Roberts.)
Roberts, Louis T., Turtle Creek, Pa. Flexible-sheet-securing means. No. 1,288,201; Dec. 17; v. 257; p. 565.
Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Automatic type-writer operator. No. 1,252,844; Jan. 8; v. 246; p. 438.
Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Automatic type-writer operator. No. 1,252,845; Jan. 8; v. 246; p. 439.

Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Automatic type-writer operator. No. 1,252,846; Jan. 8; v. 246; p. 439.
Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,263,704; Apr. 23; v. 249; p. 841.
Roberts, Maurice H., Boston, Mass. Culinary beater. No. 1,289,545; Dec. 31; v. 257; p. 944.
Roberts, Robert R., Washington, D. C., assignor to The United Textile Company. Treating fiber. No. 1,272,851; July 16; v. 252; p. 651.
Roberts, Roy P., Chicago, Ill. Carbureter attachment. No. 1,252,303; Jan. 1; v. 246; p. 249.
Roberts, Samuel A., Corsicana, Tex. Resilient wheel. No. 1,253,531; Jan. 15; v. 246; p. 671.
Roberts, Wilbert R., assignor of one-half to F. M. Shafer, South Bend, Ind. Signal for automobiles. No. 1,274,785; Aug. 6; v. 253; p. 126.
Roberts, Willard C., Lindenwood, Ill. Spike. No. 1,255,108; Jan. 29; v. 246; p. 1173.
Roberts, William, Springfield, Ohio. Power-transmitting attachment for automobile-wheels. No. 1,252,847; Jan. 8; v. 246; p. 439.
Roberts, William A., Montreal, Quebec, Canada. Gun-mount. No. 1,280,304; Oct. 1; v. 255; p. 53.
Roberts, William J., Pawtucket, R. I. Loom-shuttle. No. 1,259,294; Mar. 12; v. 248; p. 426.
Roberts, William T. B., Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,255,641; Feb. 5; v. 247; p. 152.
Roberts, William T. B., Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Seam-rubbing machine. No. 1,259,134; Mar. 12; v. 248; p. 384.
Roberts, William T. B., Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,264,686; Apr. 30; v. 249; p. 1146.
Robertshaw, Charles S., Natchitoches, La. Radiator-filling attachment for automobiles. No. 1,283,910; Nov. 5; v. 256; p. 125.
Robertson, Albert E. (See Robertson, John H., and A. E.)
Robertson, Alexander W. (See Meitner, Rudolph J., assignor.)
Robertson, Andrew R., Glasgow, Scotland. Friction-clutch. No. 1,265,816; May 14; v. 250; p. 288.
Robertson, C. D., *et al.*, executors. (See Baird, James B.)
Robertson, Charles, Stroudsburg, Pa. Making switch-keys. No. 1,288,683; Dec. 24; v. 257; p. 709.
Robertson, Charles B., assignor of one-half to O. J. Devaney, Columbus, Ohio. Pneumatic mattress. No. 1,285,391; Nov. 19; v. 256; p. 570.
Robertson, Covert, North Tonawanda, N. Y. Wind-shield. No. 1,285,392; Nov. 19; v. 256; p. 570.
Robertson, Donald, *et al.* (See Henning, Bruno W., assignor.)
Robertson, Donald M., assignor to The Holt Manufacturing Company, Stockton, Cal. Sprocket-chain. No. 1,282,463; Oct. 22; v. 255; p. 739.
Robertson, Frederick D. S., Toronto, Ontario, Canada. Apparatus for the separation of minerals by flotation. No. 1,286,111; Nov. 26; v. 256; p. 788.
Robertson, Frederick H., Cleveland, Ohio. Wind-shield cleaner. No. 1,279,444; Sept. 17; v. 254; p. 625.
Robertson, George D., *et al.* (See Blumenberg, Henry, Jr., assignor.)
Robertson, George P., Bethesda, Md. Stretching-pliers. No. 1,268,626; June 4; v. 251; p. 159.
Robertson, George W., and C. C. Bolen, Danville, Va., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-check. No. 1,281,070; Oct. 8; v. 255; p. 289.
Robertson, Harold H., Sewickley, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Protected metal article. No. 1,277,755; Sept. 3; v. 254; p. 119.
Robertson, Henry M., St. Paul, Minn. Torpedo-intercepting device. No. 1,264,863; Apr. 30; v. 249; p. 1193.
Robertson, Isaac W., Akron, Ohio. Method of and apparatus for shaping plastic sheets. No. 1,270,873; July 2; v. 252; p. 34.
Robertson, James D., Chicago, Ill. Valve for steam-heating systems. No. 1,287,107; Dec. 10; v. 257; p. 262.
Robertson, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Film-developing apparatus. No. 1,275,753; Aug. 13; v. 253; p. 420.
Robertson, John H., Pontiac, and A. E., Walled Lake, Mich. Aeroplane. No. 1,257,740; Feb. 26; v. 247; p. 881.
Robertson, Peter. (See Robertson, William, assignor.)
Robertson, Robert F., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Plate-remover for storage batteries. (Reissue.) No. 14,523; Sept. 17; v. 254; p. 639.
Robertson, Roy J., Brooklyn, N. Y. Level-indicator for lubricating systems. No. 1,285,393; Nov. 19; v. 256; p. 570.
Robertson, Victor L., Roxburg, Idaho. Automobile-extricator. No. 1,258,466; Mar. 5; v. 248; p. 150.
Robertson, Walter E., Venus, Tex. Resilient wheel. No. 1,254,278; Jan. 22; v. 246; p. 904.
Robertson, William. (See Dawson, Sidney, assignor.)
Robertson, William, Oakmont, Pa., assignor of one-half to P. Robertson, New Hartford, N. Y. Golf-club. No. 1,269,745; June 18; v. 251; p. 518.
Robertson, William H., Madison, Wis. Street-signal. No. 1,258,254; Mar. 5; v. 248; p. 88.
Robertson, William H., assignor to The Educational Novelty Company, Dayton, Ohio. Calculating device. No. 1,286,112; Nov. 26; v. 256; p. 788.
Robertson, William P., New York, N. Y. Electrically-heated cup or container. No. 1,269,646; June 18; v. 251; p. 491.
Robertson, William P., New York, N. Y. Cutting instrument. No. 1,287,754; Dec. 17; v. 257; p. 454.
Robeson Process Company. (See Puring, John, assignor.)
Robeson, William B., Port Huron, Mich. Mattress. No. 1,269,746; June 18; v. 251; p. 518.
Robetaille, Joseph, St. Boniface, Manitoba, Canada. Shovel. No. 1,289,916; Dec. 31; v. 257; p. 1035.
Robichaux, Sosthene, and C. Paggi, Saratoga, Tex. Pipe-puller. No. 1,280,850; Oct. 8; v. 255; p. 231.
Robichon, Georges H., Three Rivers, Quebec, Canada. Index. No. 1,278,019; Sept. 3; v. 254; p. 187.
Robillard, Frank H. (See Crady and Robillard.)
Robilotto, John D., New York, N. Y. Toy gun. No. 1,277,480; Sept. 3; v. 254; p. 41.
Robin, Jacob I., Harrow, England. Incandescent gas-fitting. No. 1,257,930; Feb. 26; v. 247; p. 935.
Robin, Jacob I., Harrow, England. Apparatus for treating incandescent mantles. No. 1,259,556; Mar. 19; v. 248; p. 534.
Robin, Jacob I., New York, N. Y. Incandescent-mantle holder. No. 1,259,557; Mar. 19; v. 248; p. 534.
Robins Conveying Belt Company. (See Baldwin, Clarence K., assignor.)
Robins, Samuel D., Stamford, Conn. Torpedo-shield. No. 1,266,715; May 21; v. 250; p. 569.
Robins, William. (See Scott and Robins.)
Robinson, Albert E., and A. M. Sosa, assignors to The American Tool Works Company, Cincinnati, Ohio. Ball-bearing. No. 1,268,153; June 4; v. 251; p. 24.
Robinson, Andrew M., assignor to R. I. Electrical Instrument Co., Providence, R. I. Electric engraving apparatus. No. 1,289,000; Dec. 24; v. 257; p. 785.
Robinson, Aquila S., Philadelphia, Pa., assignor to Metropolitan Sewing Machine Corporation. Cutting-off attachment for sewing-machines. No. 1,286,113; Nov. 26; v. 256; p. 788.
Robinson, Ardith J., Garibaldi, Oreg. Automatic cut-off for water-glasses. No. 1,253,727; Jan. 15; v. 246; p. 728.
Robinson, Arthur, deceased; J. W. Buggs administrator, assigner of one-half to R. Frazier, Brunswick, Ga. Metallic tie and fastening means therefor. No. 1,260,814; Mar. 26; v. 248; p. 930.
Robinson, Arthur C., Los Angeles, Cal. Combined air-supply valve and gage. No. 1,271,489; July 2; v. 252; p. 204.
Robinson, Arthur W., Montreal, Quebec, Canada. Dredge. No. 1,272,110; July 9; v. 252; p. 415.
Robinson, Arthur W., Montreal, Quebec, Canada. Delivery-pipe for hydraulic dredging-machines. No. 1,289,001; Dec. 24; v. 257; p. 785.
Robinson, Charles A., Beacon, assignor to R. S. Tompkins, Fishkill-on-the-Hudson, N. Y. Fur-mixed felt. No. 1,253,532; Jan. 15; v. 246; p. 671.
Robinson, Charles E., Orange, Cal. Oiling device. No. 1,268,281; June 4; v. 251; p. 60.
Robinson, Charles E., assignor to E. Keeler Company, Williamsport, Pa. Furnace-cleaning door. No. 1,289,917; Dec. 31; v. 257; p. 1036.
Robinson, Charles J. (See Robinson, Edward W. and C. J.)
Robinson, Clarence R., Brooklyn, N. Y., assignor to Perkins Glue Company. Adhesive. No. 1,267,699; May 28; v. 250; p. 869.
Robinson, Clark S., Cambridge, assignor to E. B. Badger and Sons Company, Boston, Mass. Reaction-tower. No. 1,257,400; Feb. 26; v. 247; p. 779.
Robinson, Dora. (See Myers, Melvin A., assignor.)
Robinson, Edward W. and C. J., Savannah, Ga. Machine for jointing staves and like objects. No. 1,277,259; Aug. 27; v. 253; p. 899.
Robinson, F. J. (See Myers, Melvin A., assignor.)
Robinson, Felix, Vancouver, Wash. Nursery-chair. No. 1,283,564; Nov. 5; v. 256; p. 33.
Robinson, Frank W., assignor to The Nolde & Horst Co., Reading, Pa. Circular-knitting machine. No. 1,262,568; Apr. 9; v. 249; p. 474.
Robinson, Fred B., Fort Winfield Scott, Cal. Street and station indicator. No. 1,260,712; Mar. 26; v. 248; p. 902.
Robinson, Fred M. (See Merrill, Frederick R., assignor.)
Robinson, George A., Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton-blank-feeding machine. No. 1,252,030; Jan. 1; v. 246; p. 173.
Robinson, George T., Bowling Green, Ky. Electric vacuum-cleaner. No. 1,283,565; Nov. 5; v. 256; p. 33.

Robinson, Harry B., Muskegon, Mich. Hose-coupling. No. 1,278,020; Sept. 3; v. 254; p. 188.
Robinson, Henry W., Newton Center, assignor to The Lamson Company, Boston, Mass. Bookkeeping apparatus. No. 1,285,394; Nov. 19; v. 256; p. 570.
Robinson, Howard B., Hartford, Conn. Safety-pin. No. 1,274,453; Aug. 6; v. 253; p. 32.
Robinson, James H. (See Gleeson and Robinson.)
Robinson, John A., Ottawa, and M. L. Robinson, Arnprior, Ontario, Canada. Can-opener. No. 1,276,963; Aug. 27; v. 253; p. 820.
Robinson, John G., Tulsa, Okla. Plug for dry wells. No. 1,263,933; Apr. 23; v. 249; p. 905.
Robinson, John R. (See Berg, Oscar E., assignor.)
Robinson, John T., Philadelphia, Pa. Ironing-board. No. 1,279,914; Sept. 24; v. 254; p. 785.
Robinson, Jonathan J., assignor of one-fourth to J. L. Steele and one-fourth to C. P. Pond, Philadelphia, Pa. Transmission-gearing. No. 1,280,552; Oct. 1; v. 255; p. 122.
Robinson, Julia A., Manchester, Iowa. Clothes-prop holder. No. 1,276,571; Aug. 20; v. 253; p. 679.
Robinson, Leslie H., and M. H., London, England. Releasing-hook mechanism. No. 1,281,071; Oct. 8; v. 255; p. 289.
Robinson, Louis, Larned, Kans. Screen-wire rack. No. 1,289,002; Dec. 24; v. 257; p. 785.
Robinson, Lyle F. (See Myers, Melvin A., assignor.)
Robinson, Mark H. (See Robinson, Leslie H. and M. H.)
Robinson, Meade. (See Myers, Melvin A., assignor.)
Robinson, Milton L. (See Robinson, John A. and M. L.)
Robinson, Minor L., Villa Grove, Ill. Reversing-gear for fluid-motors. No. 1,271,369; July 2; v. 252; p. 173.
Robinson, Norman W., Chicago, Ill. Furnace. No 1,281,257; Oct. 8; v. 255; p. 342.
Robinson, Oliver P., Odessa, Mo. Combined halter and bridle. No. 1,278,021; Sept. 3; v. 254; p. 188.
Robinson, Oscar K., San Bernardino, Cal. Shockless railway-crossing. No. 1,283,911; Nov. 5; v. 256; p. 125.
Robinson, Raymond E., Oak Park, Ill. Bucket elevator. No. 1,289,270; Dec. 31; v. 257; p. 876.
Robinson, Robert B., Kansas City, Mo. Automobile-wheel rim. No. 1,286,786; Dec. 3; v. 257; p. 143.
Robinson, Ruth. (See Myers, Melvin A., assignor.)
Robinson, Sidney J., Sydney, New South Wales, Australia, Carbureter. No. 1,262,260; Apr. 9; v. 249; p. 387.
Robinson, Thomas H., London, Ontario, Canada. Laxative breakfast food. No. 1,261,057; Apr. 2; v. 249; p. 19.
Robinson, William B., Denver, Colo. Brick-scoring mechanism. No. 1,272,533; July 16; v. 252; p. 558.
Robinson, William C., Sewickley, and H. G. Knoderer, Edgeworth, assignors to National Metal Molding Company, Pittsburgh, Pa. Metal molding. No. 1,287,108; Dec. 10; v. 257; p. 262.
Robinson, William E. G., and J. P. Toomey, Charlotte, N. C. Lifting-rod and bushing for ring-spinning frames. No. 1,263,934; Apr. 23; v 249; p. 905.
Robinson, William H., assignor to G. H. Brown, Brooklyn, N. Y. Spring-wheel. No. 1,272,852; July 16; v. 252; p. 651.
Robinson, William S., Benton Harbor, Mich. Furnace construction. No. 1,286,114; Nov. 26; v. 256; p. 789.
Robinson, William S., assignor to Armstrong Bros. Tool Co., Chicago, Ill. Planer-tool holder. No. 1,252,031; Jan. 1; v. 246; p. 173.
Robinson, William S., assignor to Armstrong Bros. Tool Company, Chicago, Ill. Tool-holder. No. 1,277,481; Sept. 3; v. 254; p. 41.
Robison, John A., and H. E. Littlejohn, Greer, S. C. Loom attachment. No. 1,272,532; July 16; v. 252; p. 558.
Robson, Allan R., assignor to Fels & Company, Philadelphia, Pa. Box and making same. No. 1,279,589; Sept. 24; v. 254; p. 690.
Robson, Edward, Trenton, N. J. Water-heater. No. 1,265,387; May 7; v. 250; p. 141.
Roby, Edward B., Troy, assignor to S. M. Stone, Cohoes, N. Y. Folding-machine. No. 1,260,060; Mar. 19; v. 248; p. 680.
Roby, Edward B., Troy, assignor to S. M. Stone, Albany, N. Y. Neckband. No. 1,283,912; Nov. 5; v. 256; p. 125.
Roby, Harry L., Barnesville, Ohio. Belt-adjusting mechanism for tobacco booking and stripping machines. No. 1,283,309; Oct. 29; v. 255; p. 995.
Roche, Edward J., *et al.* (See Jordan and Reinert, assignors.)
Roche, Maurice J., New York, N. Y. Vestibule-curtain coupling. No. 1,267,272; May 21; v. 250; p. 723.
Roche, Michael J., Cambridge, Mass. Spraying apparatus. No. 1,267,118; May 21; v. 250; p. 682.
Roche, William J., Cochranton, Pa. Traction or non-skid chain retaining means. No. 1,285,395; Nov. 19; v. 256; p. 571.
Rochelle, Carl, Raleigh, N. C. Air-heater for locomotives. No. 1,289,546; Dec. 31; v. 257; p. 945.
Rochelle, Carl, Washington, N. C. Rail-locking device. No. 1,255,465; Feb. 5; v. 247; p. 101.
Rochells, William. (See Erlich, Joe, assignor.)
Rochester Manufacturing Co. (See Hastings, Herbert, assignor.)
Rock, John, Jr. Hamtramck, Mich. Shutter-opener. No. 1,280,553; Oct. 1; v. 255; p. 122.
Rock, Thomas. (See Pritchard, John E., assignor.)
Rockefeller Institute for Medical Research. (See Jacobs, Brown, Heidelberger, and Pearce, assignors.)
Rockenfield, William A., Indianapolis, Ind. Silent-chain joint. No. 1,273,001; July 16; v. 252; p. 692.
Rockford Tool Company. (See Sundstrand, Gustaf D., assignor.)
Rock Island Plow Company. (See Kaupke, Lee H., assignor.)
Rockstead, Martin, Chicago, Ill. Gage device. No. 1,269,512; June 11; v. 251; p. 421.
Rockwell, Albert F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Comparator-gage. No. 1,274,331; July 30; v. 252; p. 1117.
Rockwell, Byrd C., Camden, Ark. Mortise-and-tenon joint. No. 1,263,116; Apr. 16; v. 249; p. 660.
Rockwell, Byrd C., Camden, Ark. Wooden building construction. No. 1,265,250; May 7; v. 250; p. 104.
Rockwell, James M. (See Cockrell and Rockwell.)
Rockwell, Olin S. (See Woodford and Rockwell.)
Rockwell, Walter S. (See Wood and Rockwell.)
Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Tire-heating furnace. No. 1,274,603; Aug. 6; v. 253; p. 76.
Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Metal-heating furnace. No. 1,288,202; Dec. 17; v. 257; p. 565.
Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Heating-furnace. No. 1,289,547; Dec. 31; v. 257; p. 945.
Rockwood, Enrique L., Bogotá, Colombia, assignor to J. P. S. Harrison, New York, N. Y. Locomotive power-transmitter. No. 1,275,754; Aug. 13; v. 253; p. 421.
Rodal, Augusto, Habana, Cuba. Safety-suit for aviators. No. 1,256,594; Feb. 19; v. 247; p. 509.
Rodd, Fredrick W., Cleveland, Ohio. Machine for threading screws. No. 1,253,631; Jan. 15; v. 246; p. 699.
Rodd, George S., Houghton, Mich. Operating mechanism for steering-apparatus indicators. No. 1,274,199; July 30; v. 252; p. 1081.
Rodehorst, Louis W., Columbus, Nebr. Radiator-protector. No. 1,262,569; Apr. 9; v. 249; p. 474.
Rodemeyer, Henry F., and C. R. Martin, Sterling, assignors to Sterling Manufacturing Company, Rock Falls, Ill. Hay-loader. No. 1,287,593; Dec. 10; v. 257; p. 381.
Rodenberger, Weller, assignor of one-half to J. D. Donovan, St. Louis, Mo. Waterproof composition. No. 1,283,913; Nov. 5; v. 256; p. 125.
Rodenhausen, Leonard, Philadelphia, Pa. Lever mechanism. No. 1,284,779; Nov. 12; v. 256; p. 375.
Rodenhausen, Leonard, Philadelphia, Pa. Dumping-wagon. No. 1,289,548; Dec. 31; v. 257; p. 945.
Roderfer Glass Company, The. (See Lowe, Chester A., assignor.)
Roderick Lean Manufacturing Company. (See Warne, Frederick C., assignor.)
Rodger Ballast Car Company. (See Dorey, George B., assignor.)
Rodger Ballast Car Company. (See Yost, Winfield H., assignor.)
Rodgers, Charles B. (See Swift and Rodgers.)
Rodgers, Harry B., Chambersburg, Pa. Sanitary shaving-brush and container therefor. No. 1,266,160; May 14; v. 250; p. 386.
Rodgers, Harry H., Alton, Ill. Surveyor's instrument. No. 1,262,985; Apr. 16; v. 249; p. 621.
Rodgers, James T. and W. R., Oklahoma, Okla. Cotton-cleaner. No. 1,260,581; Mar. 26; v. 248; p. 863.
Rodgers, John F., Brooklyn, N. Y. Electric bell. No. 1,289,549; Dec. 31; v. 257; p. 945.
Rodgers, Peter A., Proctor, Minn. Egg-boiler. No. 1,272,318; July 9; v. 252; p. 473.
Rodgers, William R. (See Rodgers, James T. and W. R.)
Rodin, Charles, Isanti, Minn. Door-opener. No. 1,272,853; July 16; v. 252; p. 651.
Rodin, Charles F., San Francisco, Cal. Auto-tractor. No. 1,288,203; Dec. 17; v. 257; p. 565.
Rodman Chemical Company. (See Rodman, Hugh, assignor.)
Rodman, Hugh, Edgewood, assignor to Rodman Chemical Company, Verona, Pa. Case-hardening material. No. 1,270,874; July 2; v. 252; p. 34.
Rodman, Hugh, Edgewood, Pa., assignor to Rodman Chemical Company. Food product and method of making the same. No. 1,270,875; July 2; v. 252; p. 34.
Rodman, Hugh, Edgewood, assignor to Rodman Chemical Company, Verona, Pa. Carburizing material. No. 1,279,160; Sept. 17; v. 254; p. 548.
Rodman, Hugh, Edgewood, Pa., assignor to Rodman Chemical Company. Making low-density coked products. No. 1,283,310; Oct. 29; v. 255; p. 995.
Rodman, Thomas, Youngstown, Ohio, and F. M. Stevenson, assignors to The Pennsylvania Tank Car Company, Sharon, Pa. Striking-plate. No. 1,273,540; July 23; v. 252; p. 861.
Rodman, Thomas, Youngstown, Ohio, and F. M. Stevenson, assignors to The Pennsylvania Tank Car Company, Sharon, Pa. Carry-iron. No. 1,273,541; July 23; v. 252; p. 862.

Rodman, Thomas, Youngstown, Ohio, and F. M. Stevenson, assignors to The Pennsylvania Tank Car Co., Sharon, Pa. Tank-support for tank-cars. No. 1,274,200; July 30; v. 252; p. 1081.
Rodman, Thomas, Youngstown, and W. A. Drake, Warren, Ohio, assignors to The Pennsylvania Tank Car Company, Sharon, Pa. Uncoupling-rod bracket. No. 1,281,839; Oct. 15; v. 255; p. 531.
Rodman, Walter S. (See Grasty and Rodman.)
Rodocker, James K., and R. L. Butcher, Hollis, Okla. Cotton-boll puller. No. 1,263,935; Apr. 23; v. 249; p. 906.
Rodow, Abraham, New York, N. Y. Window-cleaning device. No. 1,283,914; Nov. 5; v. 256; p. 125.
Rodrigo, Henry, Sr., Houston, Tex. Well-screen. No. 1,256,830; Feb. 19; v. 247; p. 578.
Rodriguez, Matias B., London, England. Telegraphic printing apparatus. No. 1,275,474; Aug. 13; v. 253; p. 342.
Rodriguez y Sol, M. (See Fernandez, José V., assignor.)
Rody, Franz A., Newark, N. J., assignor to Metallurgical Company of America, New York, N. Y. Obtaining alkalis from silicate rock and other silicates. No. 1,260,944; Mar. 26; v. 248; p. 965.
Rody, Franz A., Johnson City, Tenn., assignor to Metallurgical Company of America, New York, N. Y. Obtaining alkalis and alumina from silicates containing them. No. 1,263,705; Apr. 23; v. 249; p. 841.
Rody, Franz A., Johnson City, Tenn., assignor to Metallurgical Company of America, New York, N. Y. Treatment of feldspar, leucite, and the like. No. 1,285,796; Nov. 26; v. 256; p. 712.
Roe, Bradley, Kansas City, Mo. Disappearing window-blind. No. 1,279,590; Sept. 24; v. 254; p. 690.
Roe, Charles O., Indianapolis, Ind. Trench-sandal. No. 1,276,964; Aug. 27; v. 253; p. 821.
Roe, Ernest S. (See Greenleaf and Roe.)
Roe, John W., Akron, Ohio. Automatic rifle-rest. No. 1,288,684; Dec. 24; v. 257; p. 709.
Roe, Nathaniel, Patchogue, N. Y. Transmission-controlling mechanism. No. 1,261,443; Apr. 2; v. 249; p. 128.
Roe, Walter E., assignor to Dodge Manufacturing Company, Mishawaka, Ind. Automatic lubricator. No. 1,279,004; Sept. 17; v. 254; p. 508.
Roe, Walter E., assignor to Dodge Manufacturing Company, Mishawaka, Ind. Clutch. No. 1,284,780; Nov. 12; v. 256; p. 375.
Roe, William C., assignor of one-half to W. C. Handlan, Wheeling, W. Va. Toy railway. No. 1,259,135; Mar. 12; v. 248; p. 385.
Roebling, Charles G., Trenton, N. J., assignor to John A. Roebling's Sons Company. Wire rope. No. 1,260,582; Mar. 26; v. 248; p. 864.
Roebuck, Alvah C. (See Larsen and Roebuck.)
Roebuck, Alvah C., Crystal Lake, Ill. Condensing-lens mount. No. 1,282,293; Oct. 22; v. 255; p. 693.
Roebuck, Alvah C., Chicago, assignor to Woodstock Typewriter Company, Woodstock, Ill. Universal bar. No. 1,276,118; Aug. 20; v. 253; p. 553.
Roebuck, Alvah C., Park Ridge, assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon holder and vibrator. No. 1,275,755; Aug. 13; v. 253; p. 421.
Roebuck, Alvah C., Park Ridge, assignor to The Enterprise Optical Manufacturing Company, Chicago, Ill. Motion-picture machine. No. 1,277,482; Sept. 3; v. 254; p. 41.
Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Margin-stop indicator. No. 1,256,595; Feb. 19; v. 247; p. 509.
Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Automatic reversible ribbon-feed. No. 1,257,401; Feb. 26; v. 247; p. 779.
Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-bar rest. No. 1,266,859; May 21; v. 250; p. 608.
Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Shipping-support. No. 1,266,860; May 21; v. 250; p. 608.
Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Movable line-finder. No. 1,272,111; July 9; v. 252; p. 415.
Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-writer paper-finger. No. 1,282,951; Oct. 29; v. 255; p. 902.
Roedding, Edward B. (See Roedding, Gordan E. and E. B.)
Roedding, Gordon E. and E. B., Detroit, Mich. Signal-lamp. No. 1,259,908; Mar. 19; v. 248; p. 635.
Roedel, John, assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Bearing. No. 1,271,225; July 2; v. 252; p. 124.
Roedelheim, Alfred M., New York, N. Y. Stocking. No. 1,278,220; Sept. 10; v. 254; p. 266.
Roeder, John, Chicago, Ill., assignor to J. W. Larkin and A. O'Hare. Electric signal device. No. 1,256,262; Feb. 12; v. 247; p. 376.
Roehling, Hermann. (See Zollinger and Roehling.)
Roehrich, Victor H. M., St. Paul, Minn. Combustion-pan for bomb-calorimeters. No. 1,289,918; Dec. 31; v. 257; p. 1036.
Roesch, Alfred, assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Temperature-controlling device. No. 1,270,438; June 25; v. 251; p. 732.
Roesch, Alfred, assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Temperature-controlling device. No. 1,273,407; July 23; v. 252; p. 826.
Roesch, Alfred, assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Controlling device. No. 1,278,749; Sept. 10; v. 254; p. 409.
Roesch, Alfred, assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Blood-pressure gage. No. 1,282,632; Oct. 22; v. 255; p. 785.
Roesch, Georges, Paris, France. Float-reservoir for carbureters. No. 1,270,213; June 18; v. 251; p. 644.
Roese, Fred, Penn Yan, N. Y. Dust-receiver for grinding and polishing machines. No. 1,255,230; Feb. 5; v. 247; p. 32.
Roeseler, Carl, New York, N. Y. Hat-securing means. No. 1,274,604; Aug. 6; v. 253; p. 76.
Roesen, Oscar, assignor to R. Hoe and Co., New York, N. Y. Inking mechanism for plate-printing machines. No. 1,253,423; Jan. 15; v. 246; p. 642.
Roesen, Oscar, assignor to R. Hoe and Co., New York, N. Y. Driving mechanism for plate-printing machines. No. 1,253,424; Jan. 15; v. 246; p. 642.
Roesen, Oscar, assignor, to R. Hoe and Co., New York, N. Y. Folding and delivering mechanism. No. 1,258,708; Mar. 12; v. 248; p. 260.
Roesen, Oscar, assignor to R. Hoe & Co., New York, N. Y. Web-feeding mechanism. No. 1,273,926; July 30; v. 252; p. 1005.
Roesen, Oscar, and I. Tornberg, assignors to R. Hoe and Co., New York, N. Y. Plate-clamp. No. 1,273,275; July 23; v. 252; p. 790.
Roesen, Oscar C., Jr., assignor to R. Hoe and Co., New York, N. Y. Scoring mechanism for cardboard and similar material. No. 1,289,271; Dec. 31; v. 257; p. 876.
Roessler & Hasslacher Chemical Co., The. (See Anders, Hanns R., assignor.)
Roessler & Hasslacher Chemical Co., The. (See Liebknecht, Otto, assignor.)
Roessler & Hasslacher Chemical Company, The. (See Lacy, Burritt S., assignor.)
Roessler & Hasslacher Chemical Co., The. (See Sargent, Ralph N., assignor.)
Roessler & Hasslacher Chemical Co., The. (See Schaidhauf, Alois, assignor.)
Roessler & Hasslacher Chemical Co., The. (See Weber, Friedrich W., assignor.)
Roessling, Otto H., assignor to C. Beck Company, Philadelphia, Pa. Machine for making paper tubes. No. 1,271,370; July 2; v. 252; p. 173.
Roever, Julius, New York, assignor to M. A. Roever, Richmond Hill, N. Y. Spring-bed cover. No. 1,267,593; May 28; v. 250; p. 840.
Roever, Mary A. (See Roever, Julius, assignor.)
Roffy, Joseph T., Pittsburgh, Pa., assignor, by mesne assignments, to Hawthorne Manufacturing Company, Incorporated, Bridgeport, Conn. Illuminating apparatus. No. 1,270,972; July 2; v. 252; p. 63.
Roffy, Joseph T., assignor to Pittsburgh Electric Specialties Co., Pittsburgh, Pa. Lamp-bracket. No. 1,281,840; Oct. 15; v. 255; p. 531.
Röger, Karl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing and line-casting machine. No. 1,254,279; Jan. 22; v. 246; p. 904.
Rogers, Allen, assignor to C. T. Davis, Brooklyn, N. Y. Antiseptic and germicidal tablet. No. 1,276,119; Aug. 20; v. 253; p. 553.
Rogers, Almira V., administratrix. (See Rogers, Charles W.)
Rogers, Campbell O., Troy, N. Y. Combined hand-rail and water-gage. No. 1,281,663; Oct. 15; v. 255; p. 482.
Rogers, Charles E., Detroit, Mich. Sterile butter-fat and producing the same. No. 1,264,336; Apr. 30; v. 249; p. 1047.
Rogers, Charles E., Detroit, Mich. Filling-machine. No. 1,279,161; Sept. 17; v. 254; p. 548.
Rogers, Charles W., deceased, Kansas City, Mo.; A. V. Rogers, administratrix. Beet-harvesting machine. No. 1,253,426; Jan. 15; v. 246; p. 643.
Rogers, Charles W., Liberal, Kans. Hydrocarbon-burner. No. 1,283,915; Nov. 5; v. 256; p. 126.
Rogers, Clancy M., assignor to Mt. Vernon Car Manufacturing Company, Mount Vernon, Ill. Car end. No. 1,258,255; Mar. 5; v. 248; p. 89.
Rogers, Clarence T., New York, N. Y. Coasting-sled. No. 1,253,425; Jan. 15; v. 246; p. 642.
Rogers, Clarence T., New York, N. Y., assignor of one-half to E. J. Conill, Habana, Cuba. Transmission mechanism. No. 1,277,127; Aug. 27; v. 253; p. 865.
Rogers, Edwin D., Oakdale, La. Respirator. No. 1,281,211; Oct. 8; v. 255; p. 329.
Rogers, Earl M. (See Payzant, Henry H., assignor.)
Rogers Electric Laboratories Company, The. (See Dorment, Frank C., assignor.)
Rogers Electric Laboratories Company, The. (See Longoria, Antonio, assignor.)
Rogers, Elijah O., Ada, Okla. Drenching-bottle. No. 1,274,454; Aug. 6; v. 253; p. 32.
Rogers, Eugene, Barberton, Ohio. Applicator. No. 1,256,831; Feb. 19; v. 247; p. 578.

Rogers, Francis H., Westminster, London, England. Milk-sterilizing apparatus. No. 1,280,851; Oct. 8; v. 255; p. 232.
Rogers, Frank, Kenna, N. Mex. Square-auger. No. 1,288,685; Dec. 24; v. 257; p. 710.
Rogers, Frank M., Baltimore, Md. Tension device for loom-shuttles. No. 1,272,112; July 9; v. 252; p. 415.
Rogers, Frank M., Norwood, Ohio. Machine for loading bottles into boxes. No. 1,284,781; Nov. 12; v. 256; p. 375.
Rogers, George B., Brockton, Mass. Carrier. No. 1,277,483; Sept. 3; v. 254; p. 42.
Rogers, George F., Santa Monica, Cal. Reel. No. 1,261,625; Apr. 2; v. 249; p. 179.
Rogers, George L., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Device for dressing billiard-cue tips. No. 1,259,136; Mar. 12; v. 248; p. 385.
Rogers, George L., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Chuck for holding file-blanks. No. 1,277,128; Aug. 27; v. 253; p. 866.
Rogers, Harrison W., *et al.* (See Ebeling, Charles W., assignor.)
Rogers, Harrison W., New York, N. Y. Sound-transmitting apparatus. No. 1,253,533; Jan. 15; v. 246; p. 671.
Rogers, Harrison W., New York, N. Y. Film-control mechanism for motion-picture and sound-reproducing means. No. 1,254,436; Jan. 22; v. 246; p. 949.
Rogers, Harrison W., Wheeling, W. Va. Mechanism for controlling motion-picture and sound-reproducing mechanisms. No. 1,255,822; Feb. 5; v. 247; p. 204.
Rogers, Harrison W., Wheeling, W. Va. Synchronizing mechanism for motion-picture and sound-reproducing machines. No. 1,255,823; Feb. 5; v. 247; p. 205.
Rogers, Harry E., St. Louis, Mo., and H. B. Harlow, Alton, Ill., assignors to Commonwealth Steel Company, St. Louis, Mo. Sand-ramming machine. No. 1,263,602; Apr. 23; v. 249; p. 814.
Rogers, Harry L., Philadelphia, Pa. Seat-indicator for theaters. No. 1,267,273; May 21; v. 250; p. 723.
Rogers, Homer S., assignor to J. R. Ball, Milwaukee, Wis. Pneumatic pump. No. 1,274,332; July 30; v. 252; p. 1117.
Rogers, Homer S., assignor to J. R. Ball, Milwaukee, Wis. Pneumatic pump. No. 1,281,072; Oct. 8; v. 255; p. 290.
Rogers, James C., Birmingham, Ala. Garter. No. 1,253,728; Jan. 15; v. 246; p. 728.
Rogers, Jennie E., Chicago, Ill. Travel-bag. No. 1,279,915; Sept. 24; v. 254; p. 785.
Rogers, John R., Brooklyn, N. Y. Device for transmitting power. No. 1,256,596; Feb. 19; v. 247; p. 510.
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Method of and apparatus for casting slugs. No. 1,259,671; Mar. 19; v. 248; p. 565.
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,263,117; Apr. 16; v. 249; p. 660.
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,270,328; June 25; v. 251; p. 702.
Rogers, Lawrence W., Beland, Okla. Cut-off. No. 1,283,916; Nov. 5; v. 256; p. 126.
Rogers, Lebbeus H., New York, N. Y. Method of and apparatus for treating oil-shale. No. 1,269,747; June 18; v. 251; p. 519.
Rogers Motor Lock Company. (See Riebe, Theodore C., assignor.)
Rogers, Ovid H., Sacramento, assignor to himself and J. Brack, trustee, San Francisco, Cal. Steering-knuckle. No. 1,272,534; July 16; v. 252; p. 558.
Rogers, Ralph F., Chicago, Ill. Fitting for attaching motor-cycle side cars. No. 1,283,311; Oct. 29; v. 255; p. 995.
Rogers, Richard T., Lockhart, Tex. Collar. No. 1,258,467; Mar. 5; v. 248; p. 150.
Rogers, Sarah J., Richmond, Mo. Culinary implement. No. 1,265,116; May 7; v. 250; p. 69.
Rogers, Theodora W., Columbus, Ohio. Flesh-reducing garment. No. 1,264,977; May 7; v. 250; p. 29.
Rogers, Theodora W., Columbus, Ohio. Maternity-garment. No. 1,264,978; May 7; v. 250; p. 29.
Rogers, Walter, West Annapolis, Md. Shutter-operating device. No. 1,270,439; June 25; v. 251; p. 733.
Rogers, William C., Fort Sheridan, Ill. Supplemental stock for small-arms. No. 1,276,572; Aug. 20; v. 253; p. 679.
Rogers, William R., Newark, N. J., assignor to William Raubitschek, Brooklyn, N. Y. Selvage-severing mechanism. No. 1,256,731; Feb. 19; v. 247; p. 549.
Rogers, William R., Newark, N. J., assignor to W. Raubitschek, Brooklyn, N. Y. Embroidering mechanism. No. 1,267,594; May 28; v. 250; p. 840.
Rogers, William R., Newark, N. J., assignor to W. Raubitschek, Brooklyn, N. Y. Machine for making edging. No. 1,267,595; May 28; v. 250; p. 840.
Roggenkamp, Hans J., Firesteel, S. D. Wire-clamp. No. 1,265,817; May 14; v. 250; p. 289.
Rohan, James J., assignor of one-half to C. E. Mack, St. Louis, Mo. Electrically-heated radiator. No. 1,276,573; Aug. 20; v. 253; p. 679.
Rohde, Lewis F., Watertown, S. D. Weather-strip. No. 1,277,484; Sept. 3; v. 254; p. 421.
Rohland, Curt J. (See Emmerling, Wheelock, and Rohland.)
Rohleen, Rudolph, Seattle, Wash. Attachment for miter-boxes. No. 1,286,417; Dec. 3; v. 257; p. 58.
Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Hopper-car-door-operating mechanism. No. 1,256,165; Feb. 12; v. 247; p. 347.
Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Coupling-centering device. No. 1,256,166; Feb. 12; v. 247; p. 347.
Röhm, Otto, Darmstadt, Germany. Softening hides, skins, or the like. No. 1,257,402; Feb. 26; v. 247; p. 780.
Rohman, Harry D., New York, N. Y., assignor, by mesne assignments, to J. Stone & Company, Limited, Deptford, England. Output-indicator. No. 1,286,418; Dec. 3; v. 257; p. 58.
Rohman, Harry D., New York, N. Y., assignor, by mesne assignments, to J. Stone & Company, Limited, Deptford, England. Car-lighting system. No. 1,289,272; Dec. 31; v. 257; p. 875.
Rohman, Harry D., and F. R. Peters, assignors to Franklin Railway Supply Company, New York, N. Y. Brush-gear for dynamo-electric machines. No. 1,259,672; Mar. 19; v. 248; p. 565.
Rohmer, Gabriel E., New York, N. Y. Container and opening the same. No. 1,263,118; Apr. 16; v. 249; p. 661.
Rohmer, Martin, Gersthofen, near Augsburg, Germany, assignor to Farbwerke Vorm. Meister Lucius & Bruning, Höchst-on-the-Main, Germany. Producing nitrogen simultaneously with oxids of nitrogen. No. 1,253,534; Jan. 15; v. 246; p. 671.
Rohmer, Martin A., Florence, Nebr. Nut-lock. No. 1,259,558; Mar. 19; v. 248; p. 534.
Rohne, Even J., Minneapolis, Minn. Wire cutter, stripper, and scraper. No. 1,283,917; Nov. 5; v. 256; p. 126.
Rohrberg, Isaac, Jersey City, N. J. Garment-suspenders. No. 1,258,945; Mar. 12; v. 248; p. 327.
Rohrdantz, Henry, West Orange, assignor to Unit Signal Co., Plainfield, N. J. Vehicle-signal. No. 1,273,672; July 23; v. 252; p. 898.
Rohrer, Isaac H., San Fernando, Cal. Traction-wheel. No. 1,262,847; Apr. 16; v. 249; p. 582.
Rohrer, William L. (See Butcher, James M., assignor.)
Roig, Antimo, Tarragona, Spain. Indicating mechanism for spring-motors. No. 1,280,305; Oct. 1; v. 255; p. 53.
Roikjer, Andrew H., Boise, Idaho. Camera. No. 1,277,756; Sept. 3; v. 254; p. 119.
Rokahr, Charles, El Paso, Tex. Athletic shoe. No. 1,286,787; Dec. 3; v. 257; p. 143.
Roko Mfg. Co. (See Haas and Young, assignors.)
Rokohl, Paul W., New Canaan, Conn. Railway-tie. No. 1,257,123; Feb. 19; v. 247; p. 663.
Rolaff, Walter G. E., Belleville, Ill., assignor of one-fourth to G. W. McVicker, St. Louis, Mo. Rotary-piston packing. No. 1,280,306; Oct. 1; v. 255; p. 54.
Roland, Theodore, Menominee, Wis. Aero-anglemeter. No. 1,274,333; July 30; v. 252; p. 1117.
Rolf, Frederick G., El Paso, Tex. Torpedo-guard. No. 1,267,274; May 21; v. 250; p. 724.
Rolfes, George H., St. Louis, Mo., assignor to Handlan-Buck Manufacturing Company. Lantern-burner. No. 1,276,417; Aug. 20; v. 253; p. 637.
Rolland, Fred, Long Island City, assignor of one-fourth to H. Schuerhoff, Corona, and one-fourth to F. Lockner, New York, N. Y. Fly-screen. No. 1,266,716; May 21; v. 250; p. 569.
Rollason, Ernest B., Sydney, New South Wales, Australia. One hooked member for ornamental hair-combs and the like. No. 1,260,815; Mar. 26; v. 248; p. 931.
Roller, Milton B., Palo Alto, assignor to Thomas Day Company, San Francisco, Cal. Lighting-fixture. No. 1,273,408; July 23; v. 252; p. 826.
Roller-Smith Company. (See Spurrier, John R., assignor.)
Rollins, Alford W., Hart, Mich. Package-tie. No. 1,259,673; Mar. 19; v. 248; p. 565.
Rollins, Frank, Newburyport, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. No. 1,261,296; Apr. 2; v. 249; p. 86.
Rollins, George E. (See McLaughlin, John R., assignor.)
Rollins, George E., Brockton, assignor to A. Sydeman, Boston, Mass. Heel protector or slug. No. 1,285,797; Nov. 26; v. 256; p. 712.
Rollins, William J., Moore, Okla. Dirigible automobile-headlight. No. 1,284,457; Nov. 12; v. 256; p. 296.
Rollinson, Earl H., Lyons Farms, N. J. Wireless-battery holder. No. 1,258,814; Mar. 12; v. 248; p. 290.
Rollinson, Earl H., Lyons Farms, N. J. Dry battery. No. 1,284,458; Nov. 12; v. 256; p. 296.
Rollman, Josiah R., Encampment, Wyo. Valve-actuating device. No. 1,278,022; Sept. 3; v. 254; p. 188.
Rollo, Thomas S., Galveston, Tex. Automobile safety-signal. No. 1,272,535; July 16; v. 252; p. 559.
Rolls-Royce Limited. (See Elliott, Albert G., assignor.)
Rolls-Royce Limited. (See Royce, Frederick H., assignor.)
Rolph, Benjamin M., Dixon, Ill. Ditching-machine. No. 1,252,496; Jan. 8; v. 246; p. 339.
Rolph, Thomas W., Cleveland, Ohio, assignor to General Electric Company. Lighting-fixture. No. 1,262,570; Apr. 9; v. 249; p. 474.

Rolph, Thomas W., Sebring, Ohio, assignor to General Electric Company. Locking means for shade or reflector holders. No. 1,287,441; Dec. 10; v. 257; p. 345.
Romain, Burchard P., South Orange, assignor to Weston Electrical Instrument Company, Newark, N. J. Frequency meter. No. 1,277,757; Sept. 3; v. 254; p. 119.
Romans, Dallas, Chicago, Ill. Folding board. No. 1,266,993; May 21; v. 250; p. 646.
Romanowski, Joseph. (See Janiszewski, Waclaw, assignor.)
Romberger, John. (See Bencze and Romberger.)
Rombough, Charles E., Windsor, Ontario, Canada. Spiral hat-pin. No. 1,263,936; Apr. 23; v. 249; p. 906.
Rombouts, Eduard M., Amsterdam, Netherlands. Disintegrating apparatus for use in the recovery of gold. No. 1,281,073; Oct. 8; v. 255; p. 290.
Romero, Alfredo L., Oakland, Cal. Aeroplane. No. 1,257,124; Feb. 19; v. 247; p. 663.
Romero, Alfredo L., Jersey, Cal. Weed-puller. No. 1,274,201; July 30; v. 252; p. 1082.
Romey, George A. (See Frambach, Mathew J., assignor.)
Rommerdale, Holger, Erie, Pa. Cutting-tool. No. 1,258,815; Mar. 12; v. 248; p. 291.
Romualdi, Arnaldo, assignor to Romualdi Machinery & Construction Co., Jersey City, N. J. Aeroplane. No. 1,278,750; Sept. 10; v. 254; p. 409.
Romualdi Machinery & Construction Co. (See Romualdi, Arnaldo, assignor.)
Romuender, William, Milwaukee, Wis. Combined door and window. No. 1,283,918; Nov. 5; v. 256; p. 126.
Ronning, Adolph. (See Ronning, Andrean G. and A.)
Ronning, Andrean G. and A., Boyd, assignors to United States Ensilage Harvester Company, Minneapolis, Minn. Silo-filling fixture. No. 1,251,696; Jan. 1; v. 246; p. 76.
Ronning, Andrean G. and A., Boyd, Minn. Ensilage-harvester. No. 1,257,403; Feb. 26; v. 247; p. 780.
Roncero, Serafin, Framingham, Mass. Safety system for steam-boilers. No. 1,283,312; Oct. 29; v. 255; p. 995.
Rondelli, Tito. (See Sestini and Rondelli.)
Roney, Alexander B., Chicago, Ill. Faucet. No. 1,285,798; Nov. 26; v. 256; p. 712.
Roney, John H. (See Rowley, John T., assignor.)
Roney, William W., Sewickley, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Apparatus for forming protected metal sheets. No. 1,277,758; Sept. 3; v. 254; p. 120.
Ronk, Frank C., Canton, Ohio. Gas-burner. No. 1,282,464; Oct. 22; v. 255; p. 739.
Rood Construction Company. (See Parmeter, Edward P., assignor.)
Rood, Edward J., Webster City, Iowa. Animal-feeding device. No. 1,260,713; Mar. 26; v. 248; p. 902.
Rood, Harold C., Bridgeport, Conn. Man's garter. No. 1,270,057; June 18; v. 251; p. 602.
Rood, William B. (See Johnson, Ernest S., assignor.)
Rook, William H., Jr., assignor to G. R. Hill, Akron, Ohio. Structural block. No. 1,274,455; Aug. 6; v. 253; p. 32.
Rooke, Henry L., Jr., Houston, Tex. Protecting-casing for electrical conductors. No 1,272,719; July 16; v. 252; p. 613.
Rookledge, Percival L., Hollister, Cal. Automobile-spring. No. 1,279,916; Sept. 24; v. 254; p. 786.
Rooney, Edwin A. Fairhaven, assignor to The Whitin Machine Works, Whitinsville, Mass. Scavenger-brush for combers. No. 1,258,709; Mar. 12; v. 248; p. 260.
Rooney, Thomas P., New Bedford, Mass. Bobbin-holder. No. 1,265,521; May 7; v. 250; p. 177.
Roop, Nathan C., near Dayton, Ohio. Automobile-lock. No. 1,289,003; Dec. 24; v. 257; p. 785.
Roos, Arie, Newton, Iowa. Stalk-cutter. No. 1,251,824; Jan. 1; v. 246; p. 116.
Roos, Henry W., Cincinnati, Ohio. Clamping mechanism. No. 1,268,880; June 11; v. 251; p. 247.
Roos, Leanus S., Rockford, Ill. Trolley-wheel. No. 1,288,686; Dec. 24; v. 257; p. 710.
Roos, Oscar C., Allston, Mass. Radiotelegraph transmitting system. No. 1,278,507; Sept. 10; v. 254; p. 343.
Roos, Oscar C., Allston, Mass. Radiotelegraph transmitting system. No. 1,278,508; Sept. 10; v. 254; p. 343.
Roos, William F., Mamaroneck, N. Y. Cooking apparatus. No. 1,279,005; Sept. 17; v. 254; p. 508.
Root, Alva E., Pleasanton, Kans. Internal-combustion engine. No. 1,269,119; June 11; v. 251; p. 314.
Root, Charles F., Ravenna, Ohio. Safety device for staying-machines or the like. No. 1,286,419; Dec. 3; v. 257; p. 58.
Root, Charles F., Ravenna, assignor of one-fourth to B. O. Conn, Mansfield, Ohio. Combined safety and throw-off mechanism. No. 1,289,273; Dec. 31; v. 257; p. 877.
Root, John O., Novi, Mich. Garden-tool. No. 1,261,626; Apr. 2; v. 249; p. 180.
Root, John R., Terre Haute, Ind. Brick. No. 1,255,642; Feb. 5; v. 247; p. 153.
Root, Ralph R. (See Schroeder and Root.)
Root, Ralph R., Cleveland, Ohio. Handy lamp. No. 1,268,154; June 4; v. 251; p. 24.
Root, Ralph R., Cleveland, Ohio. Connector. No. 1,269,748; June 18; v. 251; p. 519.
Roots, James D., West Kensington, London, England. Means for controlling and increasing the speed and power of internal-combustion engines. No. 1,280,852; Oct. 8; v. 255; p. 232.
Roper, William, Philadelphia, Pa., assignor of one-half to A. L. Wurster, Haddon Heights, N. J. Metallic sash. No. 1,259,778; Mar. 19; v. 248; p. 596.
Rorer, Charles V., Bridgeport, Conn. Liquid-filter. No. 1,287,755; Dec. 17; v. 257; p. 454.
Rorick, Harvey S., Detroit, Mich. Shade and curtain support. No. 1,275,475; Aug. 13; v. 253; p. 342.
Rork, Charles E., Douglas, Ariz. Adjustable feed-valve. No. 1,287,756; Dec. 17; v. 257; p. 454.
Rork, James E., Kalamazoo, Mich. Electrical connector. No. 1,271,226; July 2; v. 252; p. 134.
Ros, Dudley de, Islington, England. Liquid-fuel burner. No. 1,285,952; Nov. 26; v. 256; p. 750.
Rosa, Peter, Tonopah, Nev. Aeroplane shock-absorber. No. 1,277,260; Aug. 27; v. 253; p. 899.
Roscetta, Antonio, Jerome, Ariz. Chain, belt, and the like. No. 1,260,714; Mar. 26; v. 248; p. 903.
Roscetta, Antonio, Jerome, Ariz. Hose-clamp. No. 1,288,204; Dec. 17; v. 257; p. 565.
Roscoe, Henrietta J., Toledo, Ohio. Hot-air furnace. No. 1,266,994; May 21; v. 250; p. 646.
Rose, Elias B., Bozeman, Mont. Unloading attachment for sweep-rakes. No. 1,252,723; Jan. 8; v. 246; p. 405.
Rose, Frank, Ipava, Ill. Necktie-retainer. No. 1,260,456; Mar. 26; v. 248; p. 825.
Rose, George D., Manchester, England. Felly construction. No. 1,257,125; Feb. 19; v. 247; p. 663.
Rose, George D., Salford, Manchester, England. Making washers for joints. No. 1,267,805; May 28; v. 250; p. 899.
Rose, Harm. (See Berg, Louis, assignor.)
Rose, Harm, Rosemont, Nebr. Automobile power-transmitting device. No. 1,282,952; Oct. 29; v. 255; p. 902.
Rose, Hugh, Stanmore, near Sydney, and E. J. Bickford, Randwick, near Sydney, assignors to F. C. Petrie, trustee, Sydney, New South Wales, Australia. Reversible seat. No. 1,254,437; Jan. 22; v. 246; p. 950.
Rose, James R. (See Harris, John, assignor.)
Rose, James R., Edgeworth, Pa. Apparatus for producing combustible fuel. No. 1,252,032; Jan. 1; v. 246; p. 174.
Rose, James R., Edgeworth, Pa. Manufacturing gaseous fuel. No. 1,252,033; Jan. 1; v. 246; p. 174.
Rose, James R., Edgeworth, Pa. Manufacturing gaseous fuel. No. 1,254,360; Jan. 22; v. 246; p. 928.
Rose Patch and Label Company, The. (See Rosenthal, Arthur, assignor.)
Rose Patch and Label Company, The (See Bignell, George L., assignor.)
Rose Patch and Label Company, The. (See Bignell, James R., assignor.)
Rose, Paul A., Cranford, N. J., assignor to Oxweld Acetylene Company, Chicago, Ill. Gas-lighting fixture. No. 1,283,313; Oct. 29; v. 255; p. 996.
Rose, Reed P., Pittsburgh, Pa. Production of a nitrogenous fertilizer from leather waste. No. 1,255,643; Feb. 5; v. 247; p. 153.
Rose, Robert E., Wilmington, Del. Baking preparation. No. 1,274,334; July 30; v. 252; p. 1118.
Rose, Samuel I., assignor to The Marvel Accessories Manufacturing Company, Cleveland, Ohio. Composition fuel. No. 1,270,664; June 25; v. 251; p. 794.
Rose, Wilhelm F., La Moure, N. D. Cotton-picker. No. 1,274,335; July 30; v. 252; p. 1118.
Rose, William, Brooklyn, N. Y. Bath spray or device. No. 1,279,006; Sept. 17; v. 254; p. 509.
Rose, William, Gainsborough, England. Sheet feeding and gumming apparatus. No. 1,268,627; June 4; v. 251; p. 159.
Rose, William, Gainsborough, England. Bag-making machine. No. 1,271,519; July 2; v. 252; p. 213.
Rose, William, Gainsborough, England. Mechanism for folding and closing the ends of bags or wrappers. No. 1,275,756; Aug. 13; v. 253; p. 421.
Rose, William J., New London, Conn. Automobile-signal. No. 1,289,919; Dec. 31; v. 257; p. 1036.
Roseberry, Robert E., Baltimore, Md., assignor to Universal Tool Company, Detroit, Mich. Portable machine for reboring engine-cylinders. No. 1,267,806; May 28; v. 250; p. 899.
Rosen, David, Philadelphia, Pa. Flag-holder. No. 1,256,370; Feb. 12; v. 247; p. 408.
Rosen, David, Philadelphia, Pa. Collar-button. No. 1,283,919; Nov. 5; v. 256; p. 127.
Rosen, Jean, assignor to Société des Combustibles Industriels, Paris, France. Treatment of hydrocarbons. No. 1,259,674; Mar. 19; v. 248; p. 566.
Rosen, Jean, Paris, France. Manufacture of an agglutinant for coatings. No. 1,273,927; July 30; v. 252; p. 1006.
Rosen, Jean, assignor to Société Anonyme des Combustibles Industriels, Paris, France. Manufacture of impregnated material. No. 1,273,673; July 23; v. 252; p. 898.
Rosen, Louis W. (See Brauner and Rosen.)
Rosen, Maurice R., and E. Fischel, Chicago, Ill. Automobile-lock. No. 1,266,161; May 14; v. 250; p. 386.
Rosen, Meyer, Bloomington, Ill. Self-lowering journal-jack. No. 1,276,574; Aug. 20; v. 253; p. 680.
Rosen, William, Middletown, Conn. Automobile traffic-signal. No. 1,283,314; Oct. 29; v. 255; p. 996.
Rosenband, Manufacturing Co. (See Widlak, Ludwig G., assignor.)

Rosenbaum, Rudolph R., Chicago, Ill. Separating hydrocarbons. No. 1,278,023; Sept. 3; v. 254; p. 188.
Rosenberg, Abraham, Brooklyn, N. Y. Exerciser. No. 1,275,757; Aug. 13; v. 253; p. 421.
Rosenberg, Beatrice, Minneapolis, Minn. Child's bath-garment. No. 1,274,938; Aug. 6; v. 253; p. 169.
Rosenberg Bros. & Company. (See D'Annunzio, Harry C., assignor.)
Rosenberg, Edwin C., Milwaukee, Wis. Folding brush. No. 1,283,920; Nov. 5; v. 256; p. 127.
Rosenberg, Emanuel, Altrincham, England, assignor to Westinghouse Electric and Manufacturing Company. Starting synchronous machines. No. 1,259,295; Mar. 12; v. 248; p. 426.
Rosenberg, Harry, *et al.* (See Lipson, Samuel, assignor.)
Rosenberg, Jacob, *et al.* (See Lipson, Samuel, assignor.)
Rosenberg, James, Cleveland, Ohio. Rule for printing intersecting lines. No. 1,262,848; Apr. 16; v. 249; p. 583.
Rosenberg, Ralph H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Driving mechanism for automobiles. No. 1,252,034; Jan. 1; v. 246; p. 175.
Rosenberg, Samuel, New York, assignor to National Chain Company, College Point, N. Y. Chain-fastening. No. 1,267,119; May 21; v. 250; p. 682.
Rosenberger, Karl. (See Greaza, Charles N., assignor.)
Rosenberger, Ruben E., Dewey, Ariz. Clothes-pin. No. 1,257,639; Feb. 26; v. 247; p. 851.
Rosenblatt, Joseph, Providence, R. I. Eyeglass-mounting. No. 1,251,581; Jan. 1; v. 246; p. 41.
Rosenblatt, Joseph, Providence, R. I. Eyeglass-mounting. No. 1,277,485; Sept. 3; v. 254; p. 42.
Rosenblatt, Joseph, Providence, R. I. Eyeglass-mounting. No. 1,279,007; Sept. 17; v. 254; p. 509.
Rosenbluth, Edwin M., Philadelphia, Pa. Vehicle-lamp. No. 1,275,758; Aug. 13; v. 253; p. 422.
Rosendahl, Reynold W., Philadelphia, Pa. Razor-blade stropper. No. 1,281,664; Oct. 15; v. 255; p. 482.
Rosenfeld, Francis M., New York, N. Y., assignor to Import Sales Company. Pocket flash-light. No. 1,283,566; Nov. 5; v. 256; p. 33.
Rosenfeld, Francis M., New York, N. Y., and L. E. Shaw, East Orange, N. J., assignors to Import Sales Company, New York, N. Y. Electric lamp. No. 1,289,550; Dec. 31; v. 257; p. 946.
Rosenfeld, Jesse, Baltimore, Md. Instep-strap-attaching means for leggings and the like. No. 1,278,751; Sept. 10; v. 254; p. 409.
Rosenfeld, Jesse, Baltimore, Md. End-attaching means for legging-laces and the like. No. 1,278,752; Sept. 10; v. 254; p. 409.
Rosenfeld, Maurice S., New York, N. Y. Cleaning films. No. 1,273,928; July 30; v. 252; p. 1006.
Rosenfeld, Maurice S., assignor, by mesne assignments, to J. Schechter, New York, N. Y. Detector for imperfections in moving-picture films. No. 1,279,445; Sept. 17; v. 254; p. 625.
Rosenfeld, Maurice S., assignor, by mesne assignments, to J. Schechter, New York, N. Y. Apparatus for cleaning films. No. 1,281,841; Oct. 15; v. 255; p. 531.
Rosenfeld, Maurice S., assignor, by mesne assignments, to J. Schechter, New York, N. Y. Transfer-machine. No. 1,283,315; Oct. 29; v. 255; p. 996.
Rosenfeld, Maurice S., assignor, by mesne assignments, to J. Schechter, New York, N. Y. Revolving door. No. 1,283,921; Nov. 5; v. 256; p. 127.
Rosenfeld, Max C., Boston, Mass. Cap for bottles. No. 1,280,853; Oct. 8; v. 255; p. 232.
Rosenfeld, Mortimer C., Cleveland, Ohio. Insulator-pin. No. 1,258,816; Mar. 12; v. 248; p. 291.
Rosenfeld, Ralph H., trustee. (See Watson, William, assignor.)
Rosenfield, William W., New York, N. Y. Suction-cleaner. No. 1,253,535; Jan. 15; v. 246; p. 672.
Rosenfield, William W., New York, N. Y. Suction-cleaner. No. 1,286,115; Nov. 26; v. 256; p. 789.
Rosengren, Anders A., Malö, Sweden. Machine for the capsuling of bottles. No. 1,271,944; July 9; v. 252; p. 365.
Rosenheim, Herman, *et al.* (See Harvey, Millard L., assignor.)
Rosenkranz, John M., Seattle, Wash. Gas-mixer. No. 1,256,041; Feb. 12; v. 247; p. 309.
Rosenshine, Morris W., San Francisco, Cal. Pneumatic support for stretchers and beds. No. 1,275,306; Aug. 13; v. 253; p. 296.
Rosenson, Aaron, Ambridge, Pa. Rocking-chair fan. No. 1,287,109; Dec. 10; v. 257; p. 263.
Rosenstock, Lucie C., Nutley, N. J. Dispensing device for liquid soap, &c. No. 1,271,945; July 9; v. 252; p. 366.
Rosenthal, Arthur, assignor to The Rose Patch and Label Company, Grand Rapids, Mich. Label and patch cutting and folding machine. No. 1,262,986; Apr. 16; v. 249; p. 621.
Rosenthal, August, West Allis, Wis. Ensilage cutter and elevator. No. 1,289,004; Dec. 24; v. 257; p. 786.
Rosenthal, Herman, New York, N. Y. Coat-hanger. No. 1,268,881; June 11; v. 251; p. 248.
Rosenthal, Leon W. (See Hopkins and Rosenthal.)
Rosenthal, Leon W., New York, N. Y. Calculating-machine. No. 1,260,062; Mar. 19; v. 248; p. 681.
Rosenthal, Leon W., New York, N. Y., and M. C. Hopkins, Jersey City, N. J.; said Hopkins assignor to said Rosenthal. Calculating-machine. No. 1,260,061; Mar. 19; v. 248; p. 681.
Rosenthal, Morris. (See Rosenthal, Osias and M.)
Rosenthal, Osias and M., New York, N. Y. Fodder-bag for horses. No. 1,277,486; Sept. 3; v. 254; p. 42.
Rosenthal, Raphael, Lincoln, Ill. Float for boiler-skimmers. No. 1,287,442; Dec. 10; v. 257; p. 345.
Rosenthal, Uraia I. (See Crowley and Rosenthal.)
Rosentreter, Albert J., Boonton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Door-operating mechanism. No. 1,282,128; Oct. 22; v. 255; p. 649.
Rosentreter, Albert J., Boonton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Sliding-door-locking mechanism. No. 1,287,443; Dec. 10; v. 257; p. 345.
Rosevear, William B., Jr., Toledo, Ohio. Plastic composition. No. 1,256,042; Feb. 12; v. 247; p. 309.
Rosenwasser, Morris, New York, N. Y. Combined walking-stick and garment-rack. No. 1,270,973; July 2; v. 252; p. 63.
Rosin, Alexander, Great Neck, N. Y. Portable heater. No. 1,266,162; May 14; v. 250; p. 387.
Rosner, Adolph, Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Internal-combustion engine. No. 1,254,852; Jan. 29; v. 246; p. 1103.
Rosnick, Samuel J., and W. Caigan, Lamberton, Pa. Attachment for power-transmission cases. No. 1,281,842; Oct. 15; v. 255; p. 531.
Ross, Adam, Buffalo, N. Y. Paper-winding machine. No. 1,257,404; Feb. 26; v. 247; p. 780.
Ross, Albert W., Akron, Ohio. Unwrapping-machine. No. 1,282,294; Oct. 22; v. 255; p. 693.
Ross, C. I., *et al.* (See McGahan, George A., assignor.)
Ross, Carl A., South Bend, Ind. Internal-combustion engine. No. 1,279,008; Sept. 17; v. 254; p. 509.
Ross, Charley C., assignor of one-half to J. C. Dysart, Springfield, Mo. Gate-latch. No. 1,279,162; Sept. 17; v. 254; p. 549.
Ross, Charley C., assignor of one-half to J. C. Dysart, Springfield, Mo. Gate-latch. No. 1,279,163; Sept. 17; v. 254; p. 549.
Ross, Edwin B. (See Burrows and Ross.)
Ross, Frank A., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Odometer-resetting device. No. 1,269,218; June 11; v. 251; p. 343.
Ross, Frank W. (See Wright and Ross.)
Ross, Frederick M., assignor to The Frederick M. Ross Manufacturing Company, Cincinnati, Ohio. Safety steering device. No. 1,265,522; May 7; v. 250; p. 178.
Ross, Frederick M., Cincinnati, Ohio. Projectile. No. 1,276,575; Aug. 20; v. 253; p. 680.
Ross, George, Kansas City, Mo. Producing road-surfacing material. No. 1,252,722; Jan. 8; v. 246; p. 405.
Ross, George A., Chicago, Ill. Cupola. No. 1,272,854; July 16; v. 252; p. 652.
Ross, George C., Greensburg, Pa. Wall-paper trimming, cutting, and pasting machine. No. 1,287,757; Dec. 17; v. 257; p. 454.
Ross, Harry A., Blytheville, Ark. Washboard. No. 1,279,761; Sept. 24; v. 254; p. 739.
Ross, Harry B., Benton Harbor, Mich. Motor-vehicle. No. 1,271,946; July 9; v. 252; p. 366.
Ross, Harry B., Benton Harbor, Mich. Portable elevator. No. 1,271,947; July 9; v. 252; p. 366.
Ross, Hugh C., assignor to The Kent-Owens Machine Company, Toledo, Ohio. Milling-machine. No. 1,274,084; July 30; v. 252; p. 1049.
Ross, James A., Chicago, Ill. Grate for garbage-burners. No. 1,268,492; June 4; v. 251; p. 121.
Ross, John, New York, N. Y. Cushion. No. 1,284,459; Nov. 12; v. 256; p. 297.
Ross, John C., Akron, Ohio. Force-feed lubricator. No. 1,270,440; June 25; v. 251; p. 733.
Ross, John O., assignor of one-half to B. F. Sturtevant Company, Boston, Mass. Drying apparatus and drying. No. 1,287,110; Dec. 10; v. 257; p. 263.
Ross, Leo W., assignor of one-half to A. W. McKinnon, Saskatoon, Saskatchewan, Canada. Lock. No. 1,263,471; Apr. 23; v. 249; p. 778.
Ross Manufacturing Company, The. (See Ross, William E., assignor.)
Ross, Matt F., Windfall, Ind. Motor-vehicle construction. No. 1,253,729; Jan. 15; v. 246; p. 728.
Ross, Oscar A., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. No. 1,263,603; Apr. 23; v. 249; p. 814.
Ross, Robert, Medford, and L. Score, Winthrop, Mass. Combination sled and cart. No. 1,284,460; Nov. 12; v. 256; p. 297.
Ross, Sidney J., deceased, London, England; H. Schofield, executor. Lock-nut. No. 1,275,182; Aug. 6; v. 253; p. 238.
Ross, Torey. (See Folger and Ross.)
Ross, Torey, Chicago, Ill. Time-recorder. No. 1,262,703; Apr. 16; v. 249; p. 541.
Ross, Walter D., Jr., Anniston, Ala. Twyer. No. 1,279,446; Sept. 17; v. 254; p. 625.

Ross, Wallace E., Northville, Mich. Water-heater. No. 1,270,552; June 25; v. 251; p. 765.
Ross, William, and W. F. J. Cosser, South Porcupine, Ontario, Canada. Automatic dumping transport system. No. 1,266,630; May 21; v. 250; p. 545.
Ross, William B., El Modeno, Cal. Wire stretching and twisting tool. No. 1,266,053; May 14; v. 250; p. 355.
Ross, William E., assignor to The Ross Manufacturing Company, Cleveland, Ohio. Wheel-dresser. No. 1,256,167; Feb. 12; v. 247; p. 348.
Ross, William H. (See Gibson and Ross.)
Ross, William H. (See Carothers and Ross.)
Ross, William H. (See Merz, Ross, and Carothers.)
Rosser, John O., Mill Hall, Pa. Artificial eye. No. 1,253,888; Jan. 15; v. 246; p. 773.
Rosser, Virgil O., *et al.* (See Macon, Alexander W., assignor.)
Rossi, Arthur, San Francisco, Cal. Paste-drier. No. 1,258,817; Mar. 12; v. 248; p. 291.
Rossi, Andrew G. (See Tedeschi and Rossi.)
Rossi, Auguste J., Niagara, Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Titanic-oxid concentrate and obtaining the same. No. 1,272,855; July 16; v. 252; p. 652.
Rossi, Carlo, Legnano, Italy. Process of producing oxids of nitrogen and apparatus therefor. No. 1,266,717; May 21; v. 250; p. 570.
Rossi, Giosuè, Morrisdale, Pa. Rail-joint. No. 1,266,718; May 21; v. 250; p. 570.
Rossi, Giosue, Morrisdale, Pa. Horseshoe. No. 1,283,567; Nov. 5; v. 256; p. 34.
Rossi, Joseph, Peetzburg, N. J. Ash-sifter. No. 1,288,206; Dec. 17; v. 257; p. 566.
Rossignol, Charles F., Augusta, Ga. Liquid-dispensing apparatus. No. 1,276,271; Aug. 20; v. 253; p. 595.
Rossing, Orren. (See Schneider, Frederick E., assignor.)
Rossiter, George A. (See Carrie, Mervyn E., assignor.)
Rosskothen, Ferdinand, Dresden, Germany. Braiding-machine. No. 1,260,063; Mar. 19; v. 248; p. 682.
Rossman, Earl W., and L. L. London, assignors of one-fifth to M. London, New York, N. Y. Film-carrier. No. 1,279,762; Sept. 24; v. 254; p. 739.
Rossman, William. (See Freeman and Rossman.)
Rostand Manufacturing Company, The. (See Landine, Peter N., assignor.)
Rostern, William J., New York, N. Y. Vehicle propulsion. No. 1,286,420; Dec. 3; v. 257; p. 58.
Rotary Ignition Syndicate Limited. (See Frost, Walter S., assignor.)
Rotary Meter Company. (See Mayer, Charles P., assignor.)
Rotary Meter Company. (See Reeve, Sidney A., assignor.)
Rotary Scraper Company. (See Sperling, Oscar, assignor.)
Rotary Valve Manufacturing Company. (See Sherman, Chester E., assignor.)
Roth, Arthur C. (See Beyer and Roth.)
Roth, Carl H., Newark, N. J. Knife. No. 1,262,390; Apr. 9; v. 249; p. 425.
Roth, Dennis D., Atlantic City, N. J. Protractor-level for drills and other tools. No. 1,255,644; Feb. 5; v. 247; p. 153.
Roth, Frank J., San Francisco, Cal. Tractor-wheel. No. 1,268,493; June 4; v. 251; p. 121.
Roth, Isaac, New York, N. Y. Merchandise-holder. No. 1,287,111; Dec. 10; v. 257; p. 263.
Roth, Max J. (See Jaeger, Roth, and Boeker.)
Roth, Morris. (See Klein, Philip, assignor.)
Roth, Peter, New Salem, N. D. Clothes-rack. No. 1,264,864; Apr. 30; v. 249; p. 1193.
Roth, Peter, New Salem, N. D. Fruit-jar holder. No. 1,273,096; July 16; v. 252; p. 717.
Roth, Peter O., New York, N. Y. Boiler. No. 1,272,113; July 9; v. 252; p. 415.
Rothen, Hermann, Kansas City, Mo. Bench-block. No. 1,280,854; Oct. 8; v. 255; p. 232.
Rothenberg, Harry, Ridgewood, assignor to Henry Hyman & Co., Inc., New York, N. Y. Portable electric light. No. 1,289,274; Dec. 31; v. 257; p. 877.
Rothenberger, Simon W., assignor of one-fifth to F. E. Cobb, one-fifth to P. R. Thomas, and two-fifths to J. N. Pike, Minneapolis, Minn. Air-moistener for internal-combustion engines. No. 1,265,117; May 7; v. 250; p. 69.
Rothermel, Curtis J., Philadelphia, Pa., assignor, by mesne assignments, to Signode System, Inc., Chicago, Ill. Tensional joint. (Reissue.) No. 14,482; June 11; v. 251; p. 439.
Rothermel, Samuel W., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Mechanical phase-corrector for multiplex-telegraph distributers. No. 1,253,889; Jan. 15; v. 246; p. 774.
Rothkugel, Max, New York, N. Y. Chart for the teaching of dancing. No. 1,277,645; Sept. 3; v. 254; p. 88.
Rothmann, Albert. (See Ach, Rothmann, and Giemsa.)
Rothschild, Jesse A., Chicago, Ill. Radiator-protector. No. 1,257,640; Feb. 26; v. 247; p. 851.
Rothschild, Joseph. (See Davis, John T., assignor.)
Rothweiler, Harvey N., Seattle, Wash. Pump. No. 1,264,563; Apr. 30; v. 249; p. 1113.
Rothwell, Richard. (See Clark, Claiborn, assignor.)
Rothwill, Herbert, Scobey, Mont. Sheet-guide for cylinder-presses. No. 1,273,276; July 23; v. 252; p. 791.
Roto Company, The. (See Darlington, Philip J., assignor.)
Rotophot Akt. Ges. fur Graphische Industrie. (See Blecher, Carl, assignor.)
Rotru, Aloïs A., Paterson, and H. G. Pattyn, Bloomfield, N. J. Damper regulating and controlling apparatus. No. 1,279,447; Sept. 17; v. 254; p. 626.
Rott, Chas. F. (See Tilley, Frederick G., assignor.)
Rotter, Lesser, Milwaukee, Wis. Suspenders. No. 1,287,112; Dec. 10; v. 257; p. 263.
Rottman, George, New York, N. Y. Envelop-clasp. No. 1,253,427; Jan. 15; v. 246; p. 643.
Rottman, George, New York, N. Y. Hand-bag. No. 1,289,920; Dec. 31; v. 257; p. 1036.
Rottmund, Frederick G., Lancaster, Pa. Binder-cutter. No. 1,277,487; Sept. 3; v. 254; p. 42.
Roudy, Charles, assignor to Trefileries & Laminoirs du Havre, Anciens Etablissements Lazare Weiller, Societe Coöperative de Rugles et la Canalisation Electrique Reunis, Paris, France. Extensible bridge-wall with moist-air circulation for boiler-furnaces. No. 1,281,843; Oct. 15; v. 255; p. 531.
Rouge, John, New York, N. Y. Air-brush. No. 1,270,553; June 25; v. 251; p. 765.
Roulland, Charles, Paris, France. Contact-ring system. No. 1,273,409; July 23; v. 252; p. 827.
Rounds, Constant S., Flint, Mich. Instrument holder or clamp. No. 1,259,137; Mar. 12; v. 248; p. 385.
Rounds, Erdix N., Owensboro, Ky. Transmission-gearing. No. 1,277,753; Sept. 10; v. 254; p. 409.
Rounds, Theodore, Poplar, Mont. Oil-can. No. 1,253,890; Jan. 15; v. 246; p. 774.
Rounds, Wilbur L., Rensselaer, N. Y. Hydraulic transmission. No. 1,258,468; Mar. 5; v. 248; p. 150.
Rountree, Joseph G., Beeville, Tex. Caterpillar-tractor. No. 1,265,118; May 7; v. 250; p. 69.
Rourk, Clara M., Bridgeport, Conn. Grease-cup. No. 1,264,440; Apr. 30; v. 249; p. 1078.
Rourke, Michael, Windsor, Ontario, Canada. Bin-ventilator. No. 1,272,536; July 16; v. 252; p. 559.
Rouse, Chester S. (See Mooney, James C., assignor.)
Roush, Cecil A., Upper Sandusky, Ohio. Shade-roller holder. No. 1,272,114; July 9; v. 252; p. 416.
Roush, Franklin E., Dayton, Ohio. Commode. No. 1,255,645; Feb. 5; v. 247; p. 154.
Roush, Herbert E. (See King, Jacoby, and Roush.)
Roush, Herbert E. (See King, Jacoby, Roush, and Holmes.)
Roush, Lee, Beaver, Pa. Preparation of yeast. No. 1,271,371; July 2; v. 252; p. 173.
Rousseau, Onesime, Detroit, Mich. Attachment for wheels of motor-vehicles. No. 1,289,005; Dec. 24; v. 257; p. 786.
Rousseau, Sidney A., De Witt, Ark. Air-brake connection. No. 1,264,687; Apr. 30; v. 249; p. 1146.
Rousset, Henri, Washington, D. C. Filing-cabinet. No. 1,286,116; Nov. 26; v. 256; p. 789.
Routh, Oswald R., *et al.* (See Clarke, George H., assignor.)
Routsong, Warren T., Traverse City, Mich. Potato-sorter. No. 1,274,085; July 30; v. 252; p. 1049.
Rouston, William H., Detroit, Mich. Operating mechanism for washing-machines. No. 1,284,931; Nov. 12; v. 256; p. 415.
Rouzet, Lucien, Paris, France. Polyphase generator with tuned spark-gap. No. 1,279,009; Sept. 17; v. 254; p. 510.
Rovensky, Frank G., assignor of one-third to W. H. Scott and one-third to S. Schragenheim, Toledo, Ohio. Sounding toy. No. 1,269,312; June 11; v. 251; p. 369.
Rowand, Lewis G., Brooklyn, assignor to New Jersey Zinc Company, New York, N. Y. Electric furnace. No. 1,289,055; Dec. 24; v. 257; p. 797.
Rowand, Lewis G., Brooklyn, assignor to New Jersey Zinc Company, New York, N. Y. Electric furnace. No. 1,289,056; Dec. 24; v. 257; p. 798.
Rowbottom, Frederick W., Ranier, Minn. Gas-engine-starting device. No. 1,284,461; Nov. 12; v. 256; p. 297.
Rowe Calk Company, The. (See Murray and Wilt, assignors.) (Reissue.)
Rowe, Charles F., Chicago, Ill. Pneumatic action of pipe-organs. No. 1,285,396; Nov. 19; v. 256; p. 571.
Rowe, George B., Oklahoma, Okla. Needle-threader. No. 1,274,786; Aug. 6; v. 253; p. 126.
Rowe, George B., Oklahoma, Okla. Separable button. No. 1,274,787; Aug. 6; v. 253; p. 127.
Rowe, George W., Glenwood, N. Mex. Gate-opener. No. 1,286,117; Nov. 26; v. 256; p. 789.
Rowe, John, Casey, Iowa. Non-skid device for tires. No. 1,256,732; Feb. 19; v. 247; p. 550.
Rowe, Sidney M., assignor of three-tenths to L. R. Shafer, Cincinnati, Ohio. Fountain-pen. No. 1,289,921; Dec. 31; v. 257; p. 1037.
Rowe, Walter A., *et al.* (See Haymond, Clinton C., assignor.)
Rowe, Walter A., assignor of one-half to G. W. Mix, Tiffin, Ohio. Water-closet. No. 1,276,965; Aug. 27; v. 253; p. 821.
Rowe, William A., Springfield, Mo. Ironing-board. No. 1,275,604; Aug. 13; v. 253; p. 377.

Alphabetical list of patentees—Continued.

Rowe, William H., Los Angeles, Cal. Acetylene-generator. No. 1,285,799; Nov. 26; v. 256; p. 713.
Rowell, Arthur F., assignor to A. O. Smith Company, Milwaukee, Wis. Combined carbureter and transferport. No. 1,289,006; Dec. 24; v. 257; p. 786.
Rowell, Benton C. (See Ristine and Rowell.)
Rowell, Walter C., Santa Ana, Cal. Storage battery and box retainer. No. 1,257,931; Feb. 26; v. 247; p. 936.
Rowell, William L., East Milton, Mass., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Severing mechanism for strip elements of printing-forms. No. 1,283,922; Nov. 5; v. 256; p. 127.
Rowen, Thomas C. (See Scott, John E., assignor.)
Rowland, Charles W., and T. H. Lambert, El Monte, Cal. Transparent gravity protection-tank. No. 1,280,855; Oct. 8; v. 255; p. 233.
Rowland, William S., assignor to The Stanley Works, New Britain, Conn. Annealing apparatus and process. No 1,268,155; June 4; v. 251; p. 24.
Rowlands, Percy O., Liverpool, England. Apparatus for vaporizing hydrocarcons. No. 1,252,955; Jan. 8; v. 246; p. 471.
Rowledge, Arthur J., assignor to D. Napier & Son Limited, London, England. Variable-speed gear. No. 1,256,371; Feb. 12; v. 247; p. 408.
Rowledge, Arthur J., assignor to D. Napier & Son Limited, London, England. Variable-speed gear. No. 1,256,372; Feb. 12; v. 247; p. 409.
Rowledge, Arthur J., assignor to D. Napier & Son Limited, London, England. Variable-speed gear. No. 1,256,373; Feb. 12; v. 247; p. 410.
Rowledge, Arthur J., assignor to D. Napier & Son Limited, London, England. Variable-speed gear. No. 1,256,374; Feb. 12; v. 247; p. 410.
Rowlen, B. W., *et al.* (See Waite, Charles A., assignor.)
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fusible link. No. 1,267,906; May 28; v. 250; p. 929.
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler-head. No. 1,267,907; May 28; v. 250; p. 929.
Rowley, Everett V., assignor of one-half to G. A. Cole, Alcester, S. D. Bridle-bit. No. 1,258,145; Mar. 5; v. 248; p. 57.
Rowley, Frank G. (See Macomber, William I., assignor.)
Rowley, James F., Chicago, Ill. Artificial limb. No. 1,258,710; Mar. 12; v. 248; p. 260.
Rowley, James F., Chicago, Ill. Hinge-joint for artificial limbs. No. 1,269,004; June 11; v. 251; p. 282.
Rowley, John T., Pittsburgh, assignor of one-fourth to J. H. Roney, Ingram, Pa. Method of and apparatus for forming axles. No. 1,283,316; Oct. 29; v. 255; p. 997.
Rowntree, Harold, Kenilworth, Ill. Chair. No. 1,286,421; Dec. 3; v. 257; p. 58.
Rowntree, Harold, Kenilworth, Ill., assignor to National Pneumatic Company, New York, N. Y. Control mechanism for automatically-operating apparatus. No. 1,268,156; June 4; v. 251; p. 25.
Rowntree, Harold, Kenilworth, Ill., assignor to National Pneumatic Company, New York, N. Y. Railway block system. No. 1,278,221; Sept. 10; v. 254; p. 267.
Rowntree, Harold, Kenilworth, Ill., assignor, by mesne assignments, to Elevator Supplies Company. Electric dumb-waiter control system. No. 1,284,782; Nov. 12; v. 256; p. 376.
Roy, Charles J., Santa Monica, Cal. Trap. No. 1,271,372; July 2; v. 252; p. 174.
Roy, Don G., Tulsa, Okla. Well-depth register. No. 1,266,631; May 21; v. 250; p. 546.
Roy, Jackson L., De Queen, Ark. Cyclone-protector. No. 1,275,476; Aug. 13; v. 253; p. 342.
Roy, Joseph, Woonsocket, R. I. Game apparatus. No. 1,270,441; June 25; v. 251; p. 733.
Roy, Joseph O. H., Montreal, Quebec, Canada. Fitting-form. No. 1,252,618; Jan. 8; v. 246; p. 375.
Roy, Levi J., Providence, R. I. Jeweler's clutch. No. 1,281,844; Oct. 15; v. 255; p. 532.
Royal Baking Powder Company. (See Peter, Arnold H., assignor.)
Royal, Charles F. O., and E. E. Thomas, assignors of one-half to said Royal and one-half to L. A. Jacobsen, Portland, Oreg. Hand gain-cutting tool. No. 1,262,601; Apr. 9; v. 249; p. 483.
Royal Comb Company. (See Holden and Hadley, assignors.)
Royal, James V., Wollaston, assignor of one-half to J. L. Layne, Boston, Mass. Protective armor for pneumatic tires. No. 1,266,054; May 14; v. 250; p. 356.
Royal Stropper Co., The. (See Kanner, Samuel, assignor.)
Royal Typewriter Company. (See Handley, George F., assignor.)
Royal Typewriter Company. (See Hess, Edward B., assignor.)
Royal Typewriter Company. (See Myers, Lewis C., assignor.)
Royal Typewriter Company. (See Schwartz, Albert A., assignor.)
Royal Worcester Corset Company. (See Kinder, Garrett A., assignor.)
Royce, Frederick H., assignor to Rolls-Royce Limited, Derby, England. Cam-shaft driving-gear of internal-combustion engines. No. 1,277,129; Aug. 27; v. 253; p. 866.
Royce, Frederick H., assignor to Rolls-Royce Limited, Derby, England. Reduction-gear. No. 1,286,788; Dec. 3; v. 257; p. 143.
Royce, Howard W., Chicago, Ill., assignor to Semet-Solvay Company, Solvay, N. Y. Automatic controller. No. 1,252,497; Jan. 8; v. 246; p. 339.
Royce, Walter G., assignor of one-third to L. G. De Young and one-third to A. Courts, Portland, Oreg. Adjustable self-lubricating bearing means. No. 1,285,397; Nov. 19; v. 256; p. 571.
Roycroft, Charles E., Covington, Ky., assignor to The Globe-Wernicke Company, Norwood, Ohio. Extension-slide cabinet-drawer. No. 1,285,800; Nov. 26; v. 256; p. 713.
Royer, Elam M., *et al.* (See Herr, Abram B., assignor.)
Royer, George F., Wilkes-Barre, assignor of two-thirds to J. H. Webb, Pittsburgh, Pa. Recording apparatus for mine-hoists. No. 1,275,605; Aug. 13; v. 253; p. 378.
Royer, Jesse R., Janesville, Iowa. Belt-wheel connection for motor-car wheels. No. 1,280,856; Oct. 8; v. 255; p. 233.
Royer, Reuben G., *et al.* (See Spitz, John B., assignor.)
Royer, Walter G., *et al.* (See Spitz, John B., assignor.)
Royer, William B., assignor of one-half to E. B. Link, Baltimore, Md. Adjustable wrist-pin and bearing therefor. No. 1,268,282; June 4; v. 251; p. 60.
Roys, Willis E., Richmond Hill, N. Y. Thermostatic valve. No. 1,262,261; Apr. 9; v. 249; p. 388.
Royster, David O., St. Louis, Mo. Combined motion-picture apparatus and phonograph. No. 1,252,304; Jan. 1; v. 246; p. 249.
Royster, Frank W., Wilmington, N. C. Garbage-receptacle. No. 1,263,604; Apr. 23; v. 249; p. 814.
Roze, Martin E., Stockton, Cal. Tractor. No. 1,265,388; May 7; v. 250; p. 142.
Rozinsky, Nathan. (See Orenbuch and Rozinsky.)
Rozycki, Sigmund, Seattle, Wash. Substitute for fats as shortening. No. 1,273,410; July 23; v. 252; p. 827.
Ruark, Milton J., Baltimore, Md. Corporation-cock. No. 1,270,329; June 25; v. 251; p. 703.
Rubber & Celluloid Products Company. (See Barry, Thomas F., assignor.)
Rubber Regenerating Company. (See Crawford, Neil D., assignor.)
Rubber Regenerating Company. (See Jury, Alfred E., assignor.)
Rubber Regenerating Company. (See Murdock, Harold R., assignor.)
Rubber Regenerating Company. (See Price, Raymond B., assignor.)
Rubber Regenerating Company. (See Somerville and Rentschler, assignors.)
Rubber Regenerating Company. (See Steinle, William J., assignor.)
Rubel, Maurice, Chicago, Ill. Combined shipping box or carton and vase for natural flowers and the like. No. 1,270,554; June 25; v. 251; p. 765.
Ruben, Elias. (See Chernov, Stein, and Ruben.)
Rubin, Adolph, assignor to Sieber Products Mfg. Co., St. Louis, Mo. Loose-leaf binder. No. 1,271,227; July 2; v. 252; p. 135.
Rubin, Adolph, assignor to Sieber Products Mfg. Co., St. Louis, Mo. Loose-leaf binder. No. 1,271,228; July 2; v. 252; p. 135.
Rubin, Frederick W., Indianapolis, Ind. Fire-prevention mechanism for dry-kilns. No. 1,262,849; Apr. 16; v. 249; p. 583.
Rubin, Frederick W., Indianapolis, Ind. Dry kiln. No. 1,281,212; Oct. 8; v. 255; p. 329.
Rubin, Harry, Baltimore, Md. Electric-light fixture. No. 1,276,966; Aug. 27; v. 253; p. 821.
Rubió y Rogers, Ramon. (See Casanovas and Rubió y Rogers.)
Ruble, William P., and W. B. Stevens, Esmond, N. D. Grain-car door. No. 1,275,477; Aug. 13; v. 253; p. 343.
Rubly, William, Tuckahoe, N. Y. Grease-cup. No. 1,278,024; Sept. 3; v. 254; p. 189.
Ruby, Perry U., Wauneta, Nebr. Mail-box attachment for holding coin. No. 1,256,375; Feb. 12; v. 247; p. 410.
Ruchty, Alexander E., Cincinnati, Ohio. Automatic safety-valve. No. 1,261,627; Apr. 2; v. 249; p. 180.
Ruck, Richard M., South Kensington, London, England. Change-speed gear. No. 1,277,130; Aug. 27; v. 253; p. 866.
Ruckardt, Gustav, New Hampton, Iowa. Combined lamp and battery-tester. No. 1,253,282; Jan. 15; v. 246; p. 597.
Rucker, W. B. (See Connor and Miles, assignors.)
Rucker, Clair V., New York, N. Y. Packet for transparent bulletins. No. 1,271,775; July 9; v. 252; p. 318.
Rucker, Harry G., Hillsboro, Ill. Water-heater. No. 1,288,205; Dec. 17; v. 257; p. 565.
Rucker, Jesse L., Viola, Kans. Funnel. No. 1,256,733; Feb. 19; v. 247; p. 550.
Rucker, William W., Portland, Oreg. Umbrella-cover. No. 1,289,269; Dec. 31; v. 257; p. 876.
Rud, Christian M., Slayton, Minn. Wire-stretcher. No. 1,259,559; Mar. 19; v. 248; p. 534.
Ruda, Louis A. (See Sylvan, Joseph, assignor.)
Rudai, Imrie, and A. Szarka, Vestaburg, Pa. Coal-mining machine. No. 1,274,939; Aug. 6; v. 253; p. 170.
Rudd, Harold H. (See Cook and Rudd.)
Rudd, Harold H., (See Dann and Rudd.)

Ruddick, John J., Newton, Mass., assignor to United States Electric Signal Company. Block-signal system. No. 1,278,509; Sept. 10; v. 254; p. 343.
Ruddiman, John, Hastings-upon-Hudson, N. Y. Gas-cleaner. No. 1,254,438; Jan. 22; v. 246; p. 950.
Ruddle, Thomas A., and N. C. Ahl, Philadelphia, Pa. Pencil-sharpener. No. 1,254,539; Jan. 22; v. 246; p. 979.
Ruddy, Patrick J., Centralia, Pa. Magnetic aerial apparatus. No. 1,255,646; Feb. 5; v. 247; p. 154.
Rude, John F., and J. H. Davis, Liberty, Ind. Ratchet mechanism. No. 1,259,560; Mar. 19; v. 248; p. 535.
Ruden, Arthur C., East Cleveland, Ohio. Differential gearing. No. 1,254,540; Jan. 22; v. 246; p. 979.
Ruden, Henry M., West Haven, Conn. Exercising apparatus. No. 1,258,469; Mar. 5; v. 248; p. 151.
Rüdenberg, Reinhold, Berlin-Westend, assignor to Siemens-Schuckertwerke, G. M. B. H., Berlin, Germany. Electrical conductor and mounting same in electrical apparatus. No. 1,285,398; Nov. 19; v. 256; p. 571.
Rudert, Paul, Tarentum, Pa. Diaphragm for sound-boxes. No. 1,289,007; Dec. 24; v. 257; p. 786.
Rudge-Whitworth Limited. (See Pugh, John V., assignor.)
Rudin, Karl V., Stockholm, Sweden. Note-pad. No. 1,259,779; Mar. 19; v. 248; p. 596.
Rudin, Samuel, *et al.* (See Hoppie, Charles W., assignor.)
Rudischhauser, George, New York, N. Y. Radiator air-valve protector. No. 1,267,275; May 21; v. 250; p. 724.
Rudler, Albert, Oxford Furnace, N. J. Dyeing apparatus. No. 1,282,633; Oct. 22; v. 255; p. 786.
Rudolf, Ferdinand A., assignor to Nichols Copper Company, New York, N. Y. Electrode. No. 1,267,120; May 21; v. 250; p. 682.
Rudolph, Alfred J., Philadelphia, Pa. Pipe and pipe-joint. No. 1,284,145; Nov. 5; v. 256; p. 187.
Rudolph, Ivar L., Washington, D. C. Umbrella. No. 1,268,283; June 4; v. 251; p. 60.
Rudolph, Lynn D., Chicago, Ill. Vacuum-cleaner nozzle. No. 1,278,222; Sept. 10; v. 254; p. 267.
Rudolph Wurlitzer Manufacturing Company, The. (See Drexelius, Henry C., assignor.)
Rudolph Wurlitzer Manufacturing Company, The. (See Manville, Claude L., assignor.)
Rudolph Wurlitzer Manufacturing Company, The. (See Ouchie, Elmer L., assignor.)
Rudolph Wurlitzer Manufacturing Company, The. (See Peters, Edward A., assignor.)
Rudolph Wurlitzer Manufacturing Company, The. (See Swanson, Selviyor A., assignor.)
Rudorf, George, London, England, assignor to The Permutit Company, New York, N. Y. Making exchange silicates. No. 1,263,706; Apr. 23; v. 249; p. 841.
Rudorf, George, London, England, assignor to The Permutit Company, New York, N. Y. Making exchange bodies. No. 1,263,707; Apr. 23; v. 249; p. 841.
Rudoy, Nathan. (See Gleeson and Robinson, assignors.)
Rudy, Foster F., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Band sawing-machine. No. 1,285,801; Nov. 26; v. 256; p. 713.
Rudy, Mae R., Chicago, Ill. Folding table. No. 1,287,444; Dec. 10; v. 257; p. 345.
Rudzinski, John S., Perry, Wyo. Link-padlock. No. 1,253,100; Jan. 8; v. 246; p. 516.
Rue, Harley B., Mount Horeb, Wis. Weed-destroying device. No. 1,264,441; Apr. 30; v. 249; p. 1078.
Ruebel, Daniel A. (See Lieber, William, assignor.)
Rueckheim Bros. & Eckstein. (See Fietsch, Herman, Jr., assignor.)
Rued, Ward A., Woodworth, N. D. Water-heater. No. 1,264,442; Apr. 30; v. 249; p. 1078.
Ruedt, Julius C., assignor to Phoenix Knitting Works, Milwaukee, Wis. Knitting-machine. No. 1,283,317; Oct. 29; v. 255; p. 997.
Ruehmling, John H. (See Foster, Lewis L., assignor.)
Ruelas, Miguel. (See Horcasitas and Ruelas.)
Ruether, Albert E., St. Paul, Minn. Internal-combustion engine. No. 1,268,056; May 28; v. 250; p. 969.
Ruf, Frank G., and W. Klesius, New York, N. Y. Tank-siphon. No. 1,256,928; Feb. 19; v. 247; p. 607.
Ruf, George. (See Heintz and Ruf.)
Ruff, Frederick C., Los Angeles, assignor to By-Products Manufacturing Company, San Francisco, Cal. Purifying gasolene fractions containing aromatic hydrocarbons. No. 1,263,289; Apr. 16; v. 249; p. 705.
Ruff, William J., Johnston City, Ill. Car-coupling. No. 1,278,754; Sept. 10; v. 254; p. 410.
Ruffeno, Joseph P., Opelousas, La. Automatic monkey-wrench. No. 1,258,361; Mar. 5; v. 248; p. 118.
Rugg, Walter S. (See Murray and Rugg.)
Ruggaber, Constantine, assignor of one-third to W. J. Ruggaber, Savannah, Ga. Metallic railway-tie. No. 1,283,923; Nov. 5; v. 256; p. 128.
Ruggaber, William J. (See Ruggaber, Constantine, assignor.)
Ruggles, Charles H., Sharpsville, Pa. Film-box. No. 1,288,207; Dec. 17; v. 257; p. 566.
Ruggles, Henry B. (See Hodge and Ruggles.)
Ruggles, Henry B., Pasadena, Cal., assignor to American Products Company, St. Louis, Mo. Box. No. 1,271,948; July 9; v. 252; p. 367.
Ruggles, Louis G. (See Miller and Ruggles.)
Ruggles, William B., Bayonne, N. J. Mixer and drier. No. 1,269,120; June 11; v. 251; p. 314.
Ruhe, Paul P., Hoboken, N. J., and W. A. Sonen, Brooklyn, N. Y. Combined control and brake for sewing-machines. No. 1,279,763; Sept. 24; v. 254; p. 739.
Ruinello, Henry, Jersey City, N. J. Railway-gate. No. 1,266,321; May 14; v. 250; p. 429.
Ruinello, Henry, Jersey City, N. J. Wall concrete anchor. No. 1,267,276; May 21; v. 250; p. 724.
Ruiter, Vern L., assignor of one-half to D. M. Brower, Myrtle Creek, Oreg. Electrotherapeutic apparatus. No. 280,857; Oct. 8; v. 255; p. 233.
Ruiz, Vicente, New York, N. Y., assignor of one-half to C. Velasco, Rioja, Spain. Protector for cues. No. 1,262,262; Apr. 9; v. 249; p. 388.
Rukes, Charles F., Palo Alto, Cal. Beet-topper. No. 1,268,388; June 4; v. 251; p. 91.
Rule, Frances E., Hampton, Iowa. Skirt-pin. No. 1,278,755; Sept. 10; v. 254; p. 410.
Rule, Thomas B., Arklow, Ireland. Supporting mechanism. No. 1,261,856; Apr. 9; v. 249; p. 277.
Rulu Gas Lighter Company. (See Rutz, Julius F. and A. O., assignors.)
Rumke, George H., Denver, Colo. Amusement device. No. 1,256,734; Feb. 19; v. 247; p. 550.
Rummerfield, Joseph R., assignor of forty-five one-hundredths to A. Giese, Plattsmouth, Nebr. Direction-indicator. No. 1,268,057; May 28; v. 250; p. 970.
Rummler, Alexander J., South Norwalk, Conn. Gift-money holder. No. 1,261,297; Apr. 2; v. 249; p. 86.
Rumney, Fred A., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. No. 1,271,776; July 9; v. 252; p. 318.
Rumold, Christian F., Berea, Ky. Lawn-mower sharpener. No. 1,287,445; Dec. 10; v. 257; p. 345.
Rumpf, John L., assignor to The Whitaker Manufacturing Company, Chicago, Ill. Attachment for mowing or other agricultural machines. No. 1,289,922; Dec. 31; v. 257; p. 1037.
Runck, John J., Republican City, Nebr. Agricultural implement. No. 1,266,719; May 21; v. 250; p. 570.
Rundle, W. Everett, *et al.* (See Horn, Charles A., assignor.)
Rundlett, William D., assignor to Davis and Furber Machine Co., North Andover, Mass. Mule. No. 1,255,934; Feb. 12; v. 247; p. 277.
Rundus, John J., Munden, Kans. Fastening means for shoes. No. 1,257,026; Feb. 19; v. 247; p. 637.
Runge, Andrew P., Blue Island, Ill. Leveling instrument. No. 1,267,456; May 28; v. 250; p. 801.
Runge, Robert F. (See Gray and Runge.)
Runge, William H., assignor to The Seneca Falls Manufacturing Company, Seneca Falls, N. Y. Speed-changing mechanism. No. 1,285,399; Nov. 19; v. 256; p. 571.
Runkle, John F., Cleveland, Ohio. Gear-shifting mechanism. No. 1,252,305; Jan. 1; v. 246; p. 249.
Running, Lauman A., Two Harbors, Minn. Journal-box cover. No. 1,287,758; Dec. 17; v. 257; p. 455.
Runsvold, Martin S., Bisbee, Ariz. Mine-car. No. 1,276,418; Aug. 20; v. 253; p. 637.
Runsvold, Martin S., San Diego, Cal. Steel-puller. No. 1,286,422; Dec. 3; v. 257; p. 59.
Runsvold, Martin S., and N. Nelsskog, Everett, Wash. Automatic fire-extinguisher system. No. 1,270,442; June 25; v. 251; p. 734.
Runyen, David, assignor to The Runyen Manufacturing Co., Grand Rapids, Mich. Grease-dispensing mechanism. No. 1,265,961; May 14; v. 250; p. 330.
Runyen, David, assignor to Runyen Manufacturing Co., Grand Rapids, Mich. Grease-cabinet. No. 1,284,462; Nov. 12; v. 256; p. 297.
Runyen Manufacturing Co., The. (See Runyen, David, assignor.)
Rüping, Max, Berlin, assignor to Hulsberg & Cie., m. b. H., Charlottenburg, Germany. Impregnation of wood, &c. No. 1,255,340; Feb. 5; v. 247; p. 65.
Rupke, Jan, assignor to Naamlooze Vennootschap Waddinxveensche Kurkwarenfabriek voorheen L. Vermeulen & Co., Waddinxveen, Netherlands. Tip or mouthpiece for cigarettes, cigars, or the like. No. 1,288,208; Dec. 17; v. 257; p. 566.
Rupp, Arthur C. (See Dobbins, George R., assignor.)
Rupp, Carl. (See Hayes and Rupp.)
Rupp, Laurente, New York, N. Y. Folding chair. No. 1,283,924; Nov. 5; v. 256; p. 128.
Ruppel, Henry, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Wick oil-burner. No. 1,256,376; Feb. 12; v. 247; p. 411.
Ruppelt, Ernst A., assignor of one-tenth to M. B. Schaff, Fitchburg, Mass. Composition for making toys and other articles. No. 1,275,092; Aug. 6; v. 253; p. 212.
Ruppert, Friedrich, Mainz-Mombach, assignor to Verein für Chemische Industrie in Mainz, Frankfort-on-the-Main, Germany. Cellulose acetate and making same. No. 1,263,119; Apr. 16; v. 249; p. 661.
Rupprecht, Bert A., Indianapolis, Ind. Tractor. No. 1,258,362; Mar. 5; v. 248; p. 119.
Rusby, John M., and O. B. Evans, assignors to The United Gas Improvement Company, Philadelphia, Pa. Manufacture of gas. No. 1,268,628; June 4; v. 251; p. 159.

Alphabetical list of patentees—Continued.

Rusby, Joseph H., Nutley, N. J. Breast-drill. No. 1,268,157; June 4; v. 251; p. 25.
Rusby, Joseph H., Nutley, N. J. Electric switch. No. 1,269,121; June 11; v. 251; p. 314.
Rusby, Joseph H., Nutley, N. J. Chuck. No. 1,270,443; June 25; v. 251; p. 734.
Rusby, Joseph H., Nutley, N. J. Chuck. No. 1,270,444; June 25; v. 251; p. 734.
Ruschmeyer, Henry, Brooklyn, N. Y. Spring-bed support. No. 1,283,318; Oct. 29; v. 255; p. 997.
Rusdell, William J. (See Humphrey and Rusdell.)
Ruse, Harry R., Baltimore, Md. Fastening-clip for show-cases. No. 1,282,634; Oct. 22; v. 255; p. 786.
Rush, Homer J., Cleveland, Ohio. Figure toy. No. 1,276,967; Aug. 27; v. 253; p. 821.
Rush, Julia A., assignor of one-half to W. S. Rush, Waynesburg, Pa. Fish-guard. No. 1,265,251; May 7; v. 250; p. 104.
Rush, Theodore H., assignor to J. Magee, 2d, Bloomsburg, Pa. Stop-motion for looms. No. 1,253,632; Jan. 15; v. 246; p. 699.
Rush, Walter S., New York, N. Y. Electric signal apparatus for marine order-transmitting mechanism. No. 1,259,296; Mar. 12; v. 248; p. 426.
Rush, Weaver A., Logan, Utah. Beet-topping machine. No. 1,258,818; Mar. 12; v. 248; p. 291.
Rush, Weaver A., Logan, Utah. Beet-digging machine. No. 1,258,819; Mar. 12; v. 248; p. 292.
Rush, William R., Mulberry, Kans. Switch-throw. No. 1,288,209; Dec. 17; v. 257; p. 566.
Rush, William S. (See Muhleisen, Henry W., assignor.)
Rush, Winfield S. (See Rush, Julia A., assignor.)
Rushmores Limited. (See Beere, William J. E., assignor.)
Rushton, Kenneth, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Bearing-blocks for equalizing-beams. No. 1,260,064; Mar. 19; v. 248; p. 682.
Rushton, Kenneth, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Car-truck. No. 1,265,389; May 7; v. 250; p. 142.
Rushton, Kenneth, assignor to the Baldwin Locomotive Works, Philadelphia, Pa. Swing-truck for locomotives. No. 1,272,118; July 9; v. 252; p. 417.
Rushton, Kenneth, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Gage. No. 1,272,856; July 16; v. 252; p. 652.
Rushton, Thomas, Tollington Park, London, assignor to Coventry Electric Clock Company Limited, London, England. Electric clock. No. 1,275,606; Aug. 13; v. 253; p. 378.
Rusias, Gabriel, Habana, Cuba. Rear-end signal for vehicles. No. 1,267,277; May 21; v. 250; p. 724.
Rusk, Henry G., Orlando, Fla. Plow. No. 1,271,373; July 2; v. 252; p. 174.
Russ Automatic Labeling Co. (See Shults, James C., assignor.)
Russ, Frank A., Weatherly, Pa. Automatic air-brake system and train-stop. No. 1,277,261; Aug. 27; v. 253; p. 900.
Russ, Frank J. (See Russ, John and F. J.)
Russ, Friend A., Greenwich, assignor to The Robert N. Bassett Company, Shelton, Conn. Buckle. No. 1,257,935; Feb. 26; v. 247; p. 937.
Russ, Henry M., Stockton, Kans. Attachment for sweep-rakes. No. 1,268,882; June 11; v. 251; p. 248.
Russ, John, North Braddock, and F. J. Russ, Pittsburgh, Pa. Phonograph or the like. No. 1,259,561; Mar. 19; v. 248; p. 535.
Russ, John B., assignor to Robert N. Bassett Company, Shelton, Conn. Hook and eye. No. 1,272,857; July 16; v. 252; p. 652.
Russ, William W., Lawrence, Kans. Matrix-band for dental purposes. No. 1,255,109; Jan. 29; v. 246; p. 1173.
Russel, Albert W., assignor to Russel Motor Axle Company, Detroit, Mich. Rear axle. No. 1,258,946; Mar. 12; v. 248; p. 328.
Russel, Albert W., assignor to Russel Motor Axle Company, Detroit, Mich. Vehicle drive-axle. No. 1,258,947; Mar. 12; v. 248; p. 328.
Russel, Albert W., assignor to Russel Motor Axle Company, Detroit, Mich. Vehicle-axle. No. 1,272,858; July 16; v. 252; p. 652.
Russel Motor Axle Company. (See Russel, Albert W., assignor.)
Russell, Albert E., Windsor, and W. G. Charley, Melbourne, Victoria, Australia. Hub of vehicle-wheels. No. 1,268,629; June 4; v. 251; p. 160.
Russell, Andrew J., and E. Van Allen, New York, N. Y. Non-refillable bottle. No. 1,269,313; June 11; v. 251; p. 369.
Russell, Byron N., and T. V. Smith, assignors of one-third to W. A. Russell, Weed, Cal. Foot-operating device. No. 1,273,186; July 23; v. 252; p. 768.
Russell, Calvin, assignor to C. H. Russell, Penn Yan, N. Y. Making a plurality of shingles from a single sheet of material. No. 1,274,605; Aug. 6; v. 253; p. 76.
Russell, Carrie H. (See Russell, Calvin, assignor.)
Russell, Charles A., assignor of one-half to W. G. Bell, Laramie, Wyo. Spark-arrester for locomotives. No. 1,262,098; Apr. 9; v. 249; p. 341.
Russell, Charles J., Denver, Colo. Hawaiian-guitar steel. No. 1,280,858; Oct. 8; v. 255; p. 233.
Russell, Charles J., Denver, Colo. Guitar-rest. No. 1,285,802; Nov. 26; v. 256; p. 714.
Russell, Clarence H., Syracuse, N. Y. Carton-forming machine. No. 1,275,759; Aug. 13; v. 253; p. 422.
Russell Company, The. (See Kinsley, William S., assignor.)
Russell, Cornealius W., Burlington, Iowa. Oil-burner. No. 1,260,457; Mar. 26; v. 248; p. 825.
Russell, Duke R., Chicago, Ill. Making high-percentage calcium carbid. No. 1,271,229; July 2; v. 252; p. 135.
Russell, Edwin L., Detroit, Mich., assignor, by mesne assignments, to Silent Valve Motors Corporation. Valve. No. 1,284,463; Nov. 12; v. 256; p. 298.
Russell, Ernest, Philadelphia, Pa. Automatically-controlled tripping-block. No. 1,284,464; Nov. 12; v. 256; p. 298.
Russell, Frank H., Elko, Nev. Artificial tooth. No. 1,265,252; May 7; v. 250; p. 105.
Russell, Frank K., Dallas, Tex. Leather-working machine. No. 1,268,158; June 4; v. 251; p. 25.
Russell, George C., Poughkeepsie, N. Y. Horseshoe-blank-forming machine. No. 1,266,322; May 14; v. 250; p. 430.
Russell, George H., Florence, Ala. Cattle-guard. No. 1,254,072; Jan. 22; v. 246; p. 845.
Russell, George H., Florence, Ala. Rail and tie tongs. No. 1,286,789; Dec. 3; v. 257; p. 144.
Russell Grader Manufacturing Co. (See Anderson, Axel, assignor.)
Russell, Guy M., Rochester, assignor to American Piano Company, New York, N. Y. Treadle-shifting and door-operating mechanism for automatic player-pianos. No. 1,252,035; Jan. 1; v. 246; p. 175.
Russell, Guy M., Rochester, assignor to American Piano Company, New York, N. Y. Apparatus for varying playing intensity of player-pianos and the like. No. 1,284,146; Nov. 5; v. 256; p. 187.
Russell, Guy M., Rochester, assignor to American Piano Company, New York, N. Y. Controlling means for pneumatic apparatus. No. 1,284,147; Nov. 5; v. 256; p. 187.
Russell, Herbert H., New Haven, Conn., assignor to The Greist Manufacturing Company. Sewing-machine ruffler. No. 1,261,628; Apr. 2; v. 249; p. 180.
Russell, Herman A., Chicago, Ill. Sign. No. 1,258,146; Mar. 5; v. 248; p. 57.
Russell, James H., assignor of one-half to L. S. Ramsdell, Manistee, Mich. Clothes-pin. No. 1,279,010; Sept. 17; v. 254; p. 510.
Russell, Joseph, New York, N. Y. Non-alcoholic wine and making same. No. 1,264,564; Apr. 30; v. 249; p. 1113.
Russell, Justin E., Chicago, Ill. Pneumatic pump. No. 1,255,341; Feb. 5; v. 247; p. 65.
Russell, Leo, Mineral Wells, Tex. Lock-strike. No. 1,272,115; July 9; v. 252; p. 416.
Russell, Matilda C., Portsmouth, Va. Strap-lock. No. 1,281,213; Oct. 8; v. 255; p. 330.
Russell Mfg. Co., The. (See Achtmeyer, William, assignor.)
Russell Mfg. Co. (See Frissell, Frank H., assignor.)
Russell Mfg. Co., The. (See Krenz, Rudolph, assignor.)
Russell, Percy, assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Dental cabinet. No. 1,257,936; Feb. 26; v. 247; p. 937.
Russell, Percy, Philadelphia, Pa., and A. W. Schramm, Riverton, N. J., assignors to Electro Dental Manufacturing Company, Philadelphia, Pa. Pressure-regulator. No. 1,257,741; Feb. 26; v. 247; p. 881.
Russell, Robert A., New York, N. Y. Closure for receptacles. No. 1,272,859; July 16; v. 252; p. 653.
Russell, Robert C., Pittsburgh, Pa. Index. No. 1,261,167; Apr. 2; v. 249; p. 49.
Russell, Robert C., Pittsburgh, Pa. Index. No. 1,283,319; Oct. 29; v. 255; p. 998.
Russell, Robert C., Independence, Mo., assignor of one-third to D. A. McKeith, Brown City, Mich. Apparatus for transferring baggage. No. 1,287,759; Dec. 17; v. 257; p. 455.
Russell, Robert M., Brooklyn, N. Y. Patient's back and head rest. No. 1,281,074; Oct. 8; v. 255; p. 290.
Russell, Robert N., E. W. Lesher, and A. J. Meunier, Cleveland, Ohio, assignors, by mesne assignments, to The Advance Manufacturing Company, Detroit, Mich. Printing mechanism. No. 1,284,932; Nov. 12; v. 256; p. 415.
Russell, Rufus W., Los Angeles, Cal. Combination camp kit and table. No. 1,286,118; Nov. 26; v. 256; p. 789.
Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-roof. No. 1,255,231; Feb. 5; v. 247; p. 33.
Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-roof. No. 1,255,232; Feb. 5; v. 247; p. 33.
Russell, Thomas N., Chicago, Ill., assignor to Chicago-Cleveland Car Roofing Company. Car-roof. No. 1,265,523; May 7; v. 250; p. 178.
Russell, Thomas N., Chicago, Ill., assignor to Chicago-Cleveland Car Roofing Company. Car-roof. No. 1,267,908; May 28; v. 250; p. 929.
Russell, Thomas N., assignor to Chicago Cleveland Car Roofing Company, Chicago, Ill. Car construction. No. 1,268,058; May 28; v. 250; p. 970.

Alphabetical list of patentees—Continued.

Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-end construction. No. 1,272,116; July 9; v. 252; p. 416.
Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway-car. No. 1,272,117; July 9; v. 252; p. 417.
Russell, Walter A. (See Russell and Smith, assignors.)
Russell, William A., Yonkers, N. Y. Air-valve. No. 1,268,883; June 11; v. 251; p. 248.
Russell, William T. (See Hicks and Russell.)
Russell, William T. (See Ryerson and Russell.)
Russell, Winfield S., Boston, Mass. Picture-display holder. No. 1,259,297; Mar. 12; v. 248; p. 427.
Russo, Andrew, Fitchburg, Mass. Swimming device. No. 1,252,619; Jan. 8; v. 246; p. 375.
Rust, Erwin J. (See Packwood, Rust, and Hazelette.)
Rust, Harry, North Judson, Ind. Dancing toy. No. 1,280,307; Oct. 1; v. 255; p. 54.
Rust, John, Kalamazoo, Mich. Adjustable bed. No. 1,265,253; May 7; v. 250; p. 105.
Rust-Oppenheim, August. (See Olsson, Zacharias, assignor.)
Rust, Otis R., Cleveland, Ohio. Belt-buckle. No. 1,263,605; Apr. 23; v. 249; p. 875.
Rust, Robert R., assignor to The Central Foundry Company, New York, N. Y. Pipe-coupling. No. 1,262,263; Apr. 9; v. 249; p. 388.
Rust, William C., Goldendale, Wash. Comb-holder and clip therefor. No. 1,257,937; Feb. 26; v. 247; p. 938.
Rustant, Ferdinand. (See Casuso, Jesús, assignor.)
Rustant, Ferdinand, Manila, Philippine Islands. Non-refillable bottle. No. 1,275,760; Aug. 13; v. 253; p. 422.
Rusteberg, August A., Chicago, Ill. Oil-gas generator and burner. No. 1,273,277; July 23; v. 252; p. 791.
Ruth, Charles H., Brawley, Cal. Excavating-machine. No. 1,287,760; Dec. 17; v. 257; p. 455.
Ruth, John F., St. Louis, Mo. Window. No. 1,254,280; Jan. 22; v. 246; p. 905.
Ruth, Joseph P., Jr., Denver, Colo. Aerating device. No. 1,268,630; June 4; v. 251; p. 160.
Ruth, Max, Jersey City, N. J. Saw-handle. No. 1,277,131; Aug. 27; v. 253; p. 867.
Ruth, Robert H., New York, N. Y., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-lamp-supporting device. No. 1,274,202; July 30; v. 252; p. 1082.
Ruthenburg, Louis, Dayton, Ohio Spring suspension for vehicles. No. 1,285,400; Nov. 19; v. 256; p. 572.
Rutherford, Wilson R., Baltimore, Md. Internal-combustion-engine system. No. 1,278,223; Sept. 10; v. 254; p. 267.
Ruthman, Edward J. (See Pitt and Ruthman.)
Ruthven, George W., Donna, Tex. Chain-tightening tool. No. 1,276,815; Aug. 27; v. 253; p. 782.
Rutledge, George A., assignor to Vassar Swiss Underwear Company, Chicago, Ill. Undergarment. No. 1,366,995; May 21; v. 250; p. 647.
Ruttan, Alfred A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film pack. No. 1,260,458; Mar. 26; v. 248; p. 826.
Ruttan, Alfred A., assignor to Eastman Kodak Company, Rochester, N. Y. Cut-film holder. No. 1,270,330; June 25; v. 251; p. 703.
Ruttan, Alfred A., and C. E. Hutchings, assignors to Eastman Kodak Company, Rochester, N. Y. Film-pack adapter for cameras. No. 1,266,323; May 14; v. 250; p. 430.
Ruttan, Alfred A., and G. I. Kester, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic camera. No. 1,279,164; Sept. 17; v. 254; p. 549.
Ruttmann, Ferdinand S., New York, N. Y. Telegraphic sending-machine. No. 1,283,320; Oct. 29; v. 255; p. 998.
Rutz, Arnold O. (See Rutz, Julius F. and A. O.)
Rutz, Julius F. (See Gauger, Frank A., assignor.)
Rutz, Julius F., and F. A. Gauger, Milwaukee, Wis. Tub-fixture. No. 1,261,298; Apr. 2; v. 249; p. 87.
Rutz, Julius F., and F. A. Gauger, Milwaukee, Wis. Flash-igniter and simmerer. No. 1,268,389; June 4; v. 251; p. 91.
Rutz, Julius F. and A. O., assignors to Rulu Gas Lighter Company, Milwaukee, Wis. Igniter-torch. No. 1,280,859; Oct. 8; v. 255; p. 233.
Rutzen, August C., Cleveland, Ohio. Airship. No. 1,268,494; June 4; v. 251; p. 121.
Rutzen, August C., Cleveland, Ohio. Means of recording and reproducing sound and motion in synchronism. No. 1,275,189; Aug. 6; v. 253; p. 240.
Rutzen, August C., Cleveland, Ohio. Record for phonographic machines. No. 1,276,968; Aug. 27; v. 253; p. 822.
Ruud, Edwin, Pittsburgh, Pa. Fluid-mixing apparatus. No. 1,257,934; Feb. 26; v. 247; p. 937.
Ruud, Edwin, Pittsburgh, Pa., and H. S. Humphrey, Kalamazoo, Mich., assignors to Ruud Manufacturing Company, Pittsburgh, Pa. Water-valve for instantaneous water-heaters. No. 1,257,932; Feb. 26; v. 247; p. 936.
Ruud, Edwin, Pittsburgh, Pa., and H. S. Humphrey, Kalamazoo, Mich., assignors to Ruud Manufacturing Company, Pittsburgh, Pa. Water-valve for instantaneous water-heaters. No. 1,257,933; Feb. 26; v. 247; p. 936.
Ruud Manufacturing Company. (See Ruud and Humphrey, assignors.)
Ruzicka, Anton, Cleveland, Ohio. Machine for assembling or setting the springs in separable fasteners or spring-studs. No. 1,262,099; Apr. 9; v. 249; p. 342.
Ruzicka, Anton, Cleveland, Ohio. Feeding mechanism. No. 1,262,100; Apr. 9; v. 249; p. 342.
Ruzicka, Joseph, and F. Kubovy, Prince George county, Va. Wagon for collecting and conveying ashes. No. 1,252,181; Jan. 1; v. 246; p. 215.
Ruzycki, Joseph E., assignor of one-fourth to C. Wolski, Holyoke, Mass. Mine and torpedo guard for vessels. No. 1,267,909; May 28; v. 250; p. 930.
Ryan, Albert J., Cincinnati, Ohio, assignor to Ryan Ideal Stain and Blacking Company, Lynn, Mass. Box material for box-toes or the like for shoes. No. 1,269,647; June 18; v. 251; p. 491.
Ryan, Albert J., Cincinnati, Ohio, assignor to Ryan Ideal Stain and Blacking Company, Lynn, Mass. Box-toe-treating apparatus. No. 1,269,648; June 18; v. 251; p. 492.
Ryan, Augustus M., Abilene, Tex. Mail-bag catcher. No. 1,288,210; Dec. 17; v. 257; p. 567.
Ryan, Bernard A. (See Murphy and Ryan.)
Ryan, Catherine C., St. Paul, Minn. Lock nut and bolt. No. 1,275,478; Aug. 13; v. 253; p. 343.
Ryan, Charles, Mosman's Bay, Sydney, Australia. Fastener. No. 1,278,756; Sept. 10; v. 254; p. 410.
Ryan, Charles F. (See McKelvey and Ryan.)
Ryan, Daniel J., Cleveland, Ohio. Molding-machine. No. 1,255,466; Feb. 5; v. 247; p. 101.
Ryan, Daniel J., Cleveland, Ohio. Apparatus for making cores. No. 1,255,467; Feb. 5; v. 247; p. 102.
Ryan, Daniel J., Cleveland, Ohio. Preparing sand molds for and casting cup-shaped articles. No. 1,255,468; Feb. 5; v. 247; p. 102.
Ryan, David S., Toronto, Ontario, Canada. Valve. No. 1,284,465; Nov. 12; v. 256; p. 298.
Ryan, Dennis, Salt Lake City, Utah. Rail-fastening. No. 1,276,576; Aug. 20; v. 253; p. 680.
Ryan, Edward, Chicago, Ill., assignor to Locomotive Stoker Company, Pittsburgh, Pa. Locomotive-tender. No. 1,270,214; June 18; v. 251; p. 644.
Ryan, Edward, New York, N. Y. Knockdown magazine-rack. No. 1,284,783; Nov. 12; v. 256; p. 376.
Ryan Ideal Stain and Blacking Company. (See Ryan, Albert J., assignor.)
Ryan, J. A. (See Akans, Walter C., assignor.)
Ryan, James, Indianapolis, Ind. Automobile-signal. No. 1,258,948; Mar. 12; v. 248; p. 328.
Ryan, James A. (See Lawn and Ryan.)
Ryan, John E., Boston, Mass. Light-projecting lamp. No. 1,257,405; Feb. 26; v. 247; p. 780.
Ryan, John F., New Rochelle, N. Y. Tape-handling machine. No. 1,269,749; June 18; v. 251; p. 519.
Ryan, John F., Taggerty, Victoria, Australia. Combination-tool. No. 1,287,446; Dec. 10; v. 257; p. 345.
Ryan, John P. (See Goodnow, Henry W., assignor.)
Ryan, John P., Worcester, Mass. Hydraulic apparatus. No. 1,268,884; June 11; v. 251; p. 248.
Ryan, Louis A., Everett, Mass. Vehicle-wheel hub. No. 1,272,119; July 9; v. 252; p. 417.
Ryan, Martin W., *et al.* (See Smith, Elta C., assignor.)
Ryan, Michael B., Milford, Conn. Chain-link. No. 1,260,065; Mar. 19; v. 248; p. 682.
Ryan, Michael C., Phoenix, N. Y. Magnet thermal electric-light flasher. No. 1,251,825; Jan. 1; v. 246; p. 117.
Ryan, Michael H., San Bernardino, Cal. Safety-valve for air-brakes. No. 1,275,479; Aug. 13; v. 253; p. 343.
Ryan, Patrick J., Brooklyn, assignor of one-half to R. Doughty, New York, N. Y. Anchor. No. 1,289,551; Dec. 31; v. 257; p. 946.
Ryan, Richard, Cleveland, Ohio, and T. Smith, Wheeling, W. Va. Composition for bricks, blocks, posts, and the like. No. 1,269,649; June 18; v. 251; p. 492.
Ryan, Thomas F. (See Barstow, Welch, assignor.)
Ryan, Walter S., New York, N. Y. Time-switch. No. 1,266,163; May 14; v. 250; p. 387.
Ryan, William I., and F. P. Ayer, Manchester, N. H., assignors to W. H. McElwain Company, Boston, Mass. Inseaming shoes. No. 1,276,816; Aug. 27; v. 253; p. 782.
Ryberg, Charles O., Brockton, Mass. Heel-building machine. No. 1,284,784; Nov. 12; v. 256; p. 376.
Rydbeck, Patrik S., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball-retainer for radial ball-bearings. No. 1,287,447; Dec. 10; v. 257; p. 346.
Rydbeck, Patrik S., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball-bearing. No. 1,287,761; Dec. 17; v. 257; p. 455.
Rydberg, Birger I., Lindesberg, Sweden. Ball-bearing or roller-bearing. No. 1,273,187; July 23; v. 252; p. 768.
Rydell, Carl, Manila, Philippine Islands. Boat releasing and restraining device for boat-launching apparatus. No. 1,253,101; Jan. 8; v. 246; p. 516.
Rydell, Carl, Manila, assignor of one-fourth to P. J. Wester, Lamoa, via Limay, Battaan, Philippine Islands. Machine for assembling shoes. No. 1,286,790; Dec. 3; v. 257; p. 144.
Ryden, Otto G., *et al.* (See Paquette, Herman A., assignor.)

Ryden, Claes, Cranston, R. I., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Winding-machine. No. 1,278,757; Sept. 10; v. 254; p. 410.
Ryden, Claes, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Soldering-tool. No. 1,287,448; Dec. 10; v. 257; p. 346.
Ryder, Alfred C., Montgomery, Ala. Electric-light socket. No. 1,287,449; Dec. 10; v. 257; p. 346.
Ryder, Arthur, Hartford, Northwich, England. Fluid-pressure-engine indicating apparatus and the like. No. 1,289,923; Dec. 31; v. 257; p. 1037.
Ryder, Charles, Covington, Ky., assignor to The Corcoran-Victor Company, Cincinnati, Ohio. Lamp. No. 1,266,164; May 14; v. 250; p. 387.
Ryder, Earl R., assignor to G. B. Bassett, Buffalo, N. Y. Liquid-meter. No. 1,281,665; Oct. 15; v. 255; p. 482.
Ryder, Enoch W., Decatur, Mich. Orchard-ladder. No. 1,258,048; Mar. 5; v. 248; p. 29.
Ryding, Herbert C., and A. W. Allen, Birmingham, Ala. Manufacture of open-hearth steel. No. 1,289,057; Dec. 24; v. 257; p. 798.
Rydquist, Adolph, Rochester, N. Y. Check-controlled apparatus. No. 1,252,036; Jan. 1; v. 246; p. 175.
Ryerson, Eugene H., assignor to Hamblin & Russell Manufacturing Company, Worcester, Mass. Egg-whip. No. 1,268,284; June 4; v. 251; p. 61.
Ryerson, Oscar S., Worcester, and W. T. Russell, Wellesley, assignors to Hamblin & Russell Manufacturing Company, Worcester, Mass. Rotary agitator for flour-sifters and the like. No. 1,281,845; Oct. 15; v. 255; p. 532.
Ryland, Charles F., Aldershot, England. Magnetic compass. No. 1,254,361; Jan. 22; v. 246; p. 928.
Ryland, Charles F., Aldershot, England. Magnetic compass. No. 1,273,411; July 23; v. 252; p. 827.
Ryland, Thomas J. F., London, England. Variable-speed friction and belt gearing. No. 1,257,742; Feb. 26; v. 247; p. 882.
Rylander, James B., Lockhart, Tex. Seed-separator. No. 1,261,299; Apr. 2; v. 249; p. 87.
Rymal, George J., Denver, Colo. Hot-water heater. No. 1,282,465; Oct. 22; v. 255; p. 740.
Ryman, John R (See Fregoso, Severo C., assignor.)
Ryno, Sam'l. (See Pruett, Jack J., assignor.)
Ryon, Eppa H., Waltham, Mass. Valve mechanism. No. 1,275,093; Aug. 6; v. 253; p. 212.
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Oiling device. No. 1,265,119; May 7; v. 250; p. 70.
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop-motion. No. 1,268,159; June 4; v. 251; p. 26.
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism. No. 1,281,075; Oct. 8; v. 255; p. 291.
Ryon, Robert W., Talmage, Kans. Hog-watering apparatus. No. 1,254,937; Jan. 29; v. 246; p. 1127.
Rystrom, George E., *et al.* (See Conard, Abraham N., assignor.)
Ryther, Frank A., Chicago, Ill. Cord tying and fastening device. No. 1,257,027; Feb. 19; v. 247; p. 638.
Ryther, Frank A., Chicago, Ill. Buckle. No. 1,257,028; Feb. 19; v. 247; p. 638.
Ryther, Frank A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Tractor-hitch. No. 1,275,761; Aug. 13; v. 253; p. 423.
S. Karpen & Bros. (See Gundersen, Sivert, assignor.)
S. Karpen & Bros. (See Karpen, Solomon, assignor.)
S. Karpen & Bros. (See Karpen and Hultgren, assignors.)
S. Sanford & Sons. (See Cooper and Collins, assignors.)
S. Sternau & Co. (See Ball, Henry P., assignor.)
S. Sternau & Company. (See Strobl, Alexander, assignor.)
S. D. Childs & Company. (See Duckgeischel, Henry J., assignor.)
S. Freeman & Sons Mfg. Co., The. (See Freeman, Harold C., assignor.)
S.-P. Vaporizer Co. (See Von Wladkowsky, Julius, assignor.)
S.-P. Vaporizer Company. (See Willis, Frederick M., assignor.)
S. R. Dresser Manufacturing Company. (See Clark, James, assignor.)
"S-C" Regulator Company, The. (See Barrett, Joseph M., assignor.)
S. S. White Dental Manufacturing Company, The. (See Babb, Maurice J., assignor.)
S. S. White Dental Manufacturing Company, The. (See Bowman, Walter H., assignor.)
S. S. White Dental Manufacturing Company, The. (See Glenn, Thomas F., assignor.)
S. S. White Dental Manufacturing Company, The. (See Johnston, Browne, and Wallace, assignors.)
S. S. White Dental Manufacturing Company, The. (See Porter, Will R., assignor.)
S. E. T. Valve & Hydrant Co. (See Tyler, Clarence E., assignor.)
S. K. F. Ball Bearing Company. (See Wingquist, Sven G., assignor.)
S. M. P. Wood Heel Company. (See Sharpneck, Eliel L., assignor.)
S. O. & C. Co., The. (See Neuberth, Franklin G., assignor.)
Saal, George A., Youngstown, Ohio. Reversible ball flush-valve. No. 1,286,791; Dec. 3; v. 257; p. 144.
Saal, Henry G., Chicago, Ill. Mop. No. 1,259,780; Mar. 19; v. 248; p. 596.
Saal, Henry G., Chicago, Ill. Mop. No. 1,259,781; Mar. 19; v. 248; p. 597.
Saal, Henry G., Chicago, Ill. Braking mechanism. No. 1,263,806; Apr. 23; v. 249; p. 868.
Saal, Henry G., Chicago, Ill. Display-stand. No. 1,263,807; Apr. 23; v. 249; p. 868.
Saal, Henry G., Chicago, Ill. Shaft-bearing. No. 1,269,750; June 18; v. 251; p. 519.
Saalburg, Charles W., Richmond Hill, assignor to Multicolor Intaglio Press Company, New York, N. Y. Guide-marking etchable surfaces. No. 1,265,254; May 7; v. 250; p. 105.
Saalburg, Charles W., Richmond Hill, assignor to Multicolor Intaglio Press Company, New York, N. Y. Method of printing. No. 1,271,949; July 9; v. 252; p. 367.
Sabatelli, Michele M., Leominster, Mass. Hand-mirror. No. 1,262,101; Apr. 9; v. 249; p. 342.
Sabel, Oscar B., Chicago, Ill. Window-ventilator. No. 1,269,314; June 11; v. 251; p. 370.
Sabin, John, assignor to Nashua Machine Company, Nashua, N. H. Steam-trap and valve mechanism therefor. No 1,259,909; Mar. 19; v. 248; p. 635.
Sabin, Warren, Tavera, Wis. Log-sawing device. No. 1,255,935; Feb. 12; v. 247; p. 277.
Sabina, Emerich, and L. I. Cope, Sharpsburg, Pa. Renewable cartridge-fuse. No. 1,256,043; Feb. 12; v. 247; p. 309.
Sabina, Emerich, and A. Weinberg, Pittsburgh, Pa. Mechanical toy. No. 1,287,450; Dec. 10; v. 257; p. 346.
Sabine, Wallace C., Boston, Mass., assignor to H. W. Johns-Manville Company. Sound-absorbing block or tile. No. 1,284,933; Nov. 12; v. 256; p. 416.
Sabio, Simeon C., Baguio, Philippine Islands. Bridle-bit. No. 1,281,215; Oct. 8; v. 255; p. 330.
Sabo, Joseph W., Van Meter, Pa. Container-cover fastener. No. 1,271,230; July 2; v. 252; p. 135.
Sabol, George A., Clairton, Pa. Electric rain-alarm. No. 1,262,391; Apr. 9; v. 249; p. 425.
Saborsky, Arthur D., Lakewood, Ohio, assignor, by mesne assignments, to The Advance Manufacturing Company, Detroit, Mich. Inkling device for printing-machines. No. 1,282,466; Oct. 22; v. 255; p. 740.
Saccaggio, Pedro C., and F. A. Lagrange, Buenos Aires, Argentina. Spark-arrester. No. 1,264,865; Apr. 30; v. 249; p. 1193.
Sacerdote, Secondo. (See Ferrara, Edoardo, assignor.)
Sacerdoti, Cesare, Genoa, Italy. Submarine torpedo-launching tube. No. 1,286,792; Dec. 3; v. 257; p. 144.
Sachar, John, Kato, assignor of one-half to A. Ulanitzki, Ramey, Pa. Equilibrator for boats. No. 1,261,168; Apr. 2; v. 249; p. 50.
Sachar, John, Kato, assignor of one-half to J. Brooks, Clarence, Pa. Transporting-truck for soldier-protectors. No. 1,284,785; Nov. 12; v. 256; p. 377.
Sachs, Carl R., Fremont, Ohio. Lining for wagon-bodies. No. 1,259,138; Mar. 12; v. 248; p. 385.
Sachs, Gustav A., Eugene, Oreg. Extension-stock for pistols. No. 1,266,632; May 21; v. 250; p. 546.
Sachs, Gustav A., Eugene, Oreg. Extension-stock for pistols. No. 1,266,633; May 21; v. 250; p. 546.
Sachs, Joseph, Hartford, Conn. Electric switch. No. 1,257,533; Feb. 26; v. 247; p. 820.
Sachs, Joseph, Hartford, Conn. Switch. No. 1,257,534; Feb. 26; v. 247; p. 820.
Sachs, Joseph, Hartford, Conn. Switch-operating device. No. 1,265,255; May 7; v. 250; p. 105.
Sachs, Joseph, Hartford, Conn. Electric switch. No. 1,258,256; Mar. 5; v. 248; p. 89.
Sachs, Joseph, Hartford, Conn. Clip. No. 1,267,457; May 28; v. 250; p. 801.
Sachs, Joseph, assignor to The Johns-Pratt Company, Hartford, Conn. Electrical cut-out. No. 1,287,451; Dec. 10; v. 257; p. 346.
Sachse, Elkon, Brooklyn, N. Y. Bandage for the treatment of bodily ailments. No. 1,263,937; Apr. 23; v. 249; p. 906.
Sachse, Paul. (See Kandler and Sachse.)
Sack, Herman R., Philadelphia, Pa. Pin-locking means. No. 1,259,910; Mar. 10; v. 248; p. 636.
Sackerman, Ernest A., Hackensack, N. J. Attachment on vehicles. No. 1,266,055; May 14; v. 250; p. 356.
Sackett, Charley E., assignor of one-third to F. B. Lambert, Minot, N. D. Cable-drive pulley. No. 1,267,278; May 21; v. 250; p. 725.
Sackett, Clarence M. (See Brunnworth and Sackett.)
Sackett, Harold J. (See Curtis and Sackett.)
Sackrider, Claud L., Battle Creek, Mich. Tire-spring. No. 1,260,066; Mar. 19; v. 248; p. 682.
Sacks, Herman, Chicago, Ill. Garter. No. 1,255,647; Feb. 5; v. 247; p. 154.
Saco, George. (See Townsend, Leroy S., assignor.)
Saco-Lowell Shops. (See Goldsmith, William H., Jr., assignor.)
Sadgebury, Herman F., Dayton, Ohio, assignor, by mesne assignments, to Wolverine Spark Plug Company, Inc. Spark-plug. No. 1,269,860; June 18; v. 251; p. 551.

Sadgebury, Herman F., Dayton, Ohio, assignor, by mesne assignments, to Wolverine Spark Plug Company, Inc. Spark-plug attachment for pumps. No. 1,269,861; June 18; v. 251; p. 551.
Sadgebury, Herman F., Dayton, Ohio, assignor to Wolverine Spark Plug Company, Inc., Detroit, Mich. Spark-plug. No. 1,269,862; June 18; v. 251; p. 552.
Sadlo, Charles, Astoria, N. Y. Fender attachment for automobiles. No. 1,256,497; Feb. 12; v. 247; p. 445.
Sadlo, Joseph, Browerville, Minn. Oil-lamp. No. 1,278,388; Sept. 10; v. 254; p. 312.
Saegmuller, George N., and G. A. H. Kellner, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Periscope and optical system therefor. No. 1,270,876; July 2; v. 252; p. 34.
Saehr, John J., Pierz, Minn. Sled-runner attachment for wagons. No. 1,287,452; Dec. 10; v. 257; p. 347.
Safe-Cabinet Co., The. (See Dick and Bloomdale, assignors.)
Safeguard Tag Company. (See Tewksbury, Charles B., assignor.)
Safepack Paper Mills. (See Schenkelberger, Albert F., assignor.)
Safety Anaesthesia Apparatus Concern. (See Walter and McCurdy, assignors.)
Safety Block Signal Company, The. (See Williams, Frank C., assignor.)
Safety Car Heating & Lighting Company, The. (See Bijur, Joseph, assignor.)
Safety Car Heating and Lighting Company. (See Creveling, John L., assignor.)
Safety Car Heating & Lighting Company. (See Dixon, Robert M., assignor.)
Safety Car Heating & Lighting Company. (See Grob, Hugo, assignor.)
Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
Safety Car Heating & Lighting Company, The. (See Thomson, William I., assignor.)
Safety Car Heating and Lighting Co., The. (See Watson, Leonard A., assignor.)
Safety First Air Brake Company (Canada) Limited. (See Humphrey, Edward R., assignor.)
Safety First Manufacturing Company. (See Cathcart, Frank H., assignor.)
Safety Gas Lighter Corporation. (See Dowdy, Roy F., assignor.)
Safety Machinery Corporation. (See Axilrod, Meyer, assignor.)
Safety Patent Co. (See Beckner, Noah J., assignor.)
Safety Patent Co. (See Beckner and Morrison, assignors.)
Safetygraph Educational Film Company. (See Connor and Miles, assignors.)
Safford, Claude, assignor of one-fifth to A. B. Bowman, San Diego, Cal. Vehicle-tire. No. 1,286,793; Dec. 3; v. 257; p. 145.
Safford, Lewis A., assignor to Barcalo Mfg. Co., Buffalo, N. Y. Child's crib and the like. No. 1,275,762; Aug. 13; v. 253; p. 423.
Saffold, Ray P., Douglas, Ariz. Ore-separating apparatus. No. 1,256,263; Feb. 12; v. 247; p. 377.
Saffry, Victor H., Alma, Kans. Animal-trap. No. 1,286,423; Dec. 3; v. 257; p. 59.
Safka, Alfred and J. C., Philadelphia, Pa. Lapping-head. No. 1,284,786; Nov. 12; v. 256; p. 377.
Safka, Joseph C. (See Safka, Alfred and J. C.)
Sagan, Joseph, Pittsburgh, Pa. Flushing-conduit. No. 1,255,648; Feb. 5; v. 247; p. 155.
Sagara, Goroichi, Armona, Cal. Turning-signal for vehicles. No. 1,288,211; Dec. 17; v. 257; p. 567.
Sagaser, George A., Hanford, Cal. Air-pressure gage. No. 1,286,119; Nov. 26; v. 256; p. 790.
Sagazli, Henry W. (See Erdle, Reiner, assignor.)
Sage, M. Jay, Brooklyn, N. Y. Strainer. No. 1,274,940; Aug. 6; v. 253; p. 170.
Sagen, Peter A., Wausau, Wis. Spring-wheel. No. 1,287,762; Dec. 17; v. 257; p. 456.
Sager, August F., Milwaukee, Wis. Garment-supporter. No. 1,288,687; Dec. 24; v. 257; p. 710.
Sager, Clinton M. (See Sager, James H. and C. M.)
Sager, Clinton M., assignor to J. H. Sager Company, Rochester, N. Y. Connection between automobile-bumpers and vehicle-frames. No. 1,274,086; July 30; v. 252; p. 1050.
Sager, Clinton M., assignor of J. H. Sager Company, Rochester, N. Y. Connection between automobile-bumpers and vehicle-frames. No. 1,274,456; Aug. 6; v. 253; p. 33.
Sager, Irving, *et al.* (See Slotoroff, Abraham, assignor.)
Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper for automobiles. No. 1,251,697; Jan. 1; v. 246; p. 77.
Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper for automobiles. No. 1,251,698; Jan. 1; v. 246; p. 77.
Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Automobile-bumper. No. 1,267,458; May 28; v. 250; p. 801.
Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Locking means for steering-wheels. No. 1,270,058; June 18; v. 251; p. 603.
Sager, James H. and C. M., Rochester, N. Y. Article-securing means. No. 1,274,203; July 30; v. 252; p. 1082.
Sager, Peter H., Marianna, Fla. Toilet attachment. No. 1,287,113; Dec. 10; v. 257; p. 264.
Saginaw Plate Glass Company. (See Smith and Lewellyn, assignors.)
Sagui, Edward A., Newark, N. J. Lathe tool-holder. No. 1,279,917; Sept. 24; v. 254; p. 786.
Saha, Ludwig, Chicago, Ill. Level. No. 1,288,212; Dec. 17; v. 257; p. 567.
Sahlberg, Carl A., Chicago, Ill. Steam stump-cutter and soil-preparer. No. 1,278,758; Sept. 10; v. 254; p. 410.
Sahler, H. (See Reed, Andrew H., assignor.)
Sahlin, Olof, London, England. Electric furnace. No. 1,286,794; Dec. 3; v. 257; p. 145.
Saile, Frederick, Syracuse, N. Y. Lawn-trimmer. No. 1,275,307; Aug. 13; v. 253; p. 296.
Saile, Will W., and H. E. Ganiard, Le Roy, N. Y. Atomizer. No. 1,269,122; June 11; v. 251; p. 315.
Sainberg, Louis, New York, N. Y. Filing device. No. 1,278,510; Sept. 10; v. 254; p. 344.
Sainberg, Louis, New York, N. Y. Desk-pad. No. 1,285,401; Nov. 19; v. 256; p. 572.
Saindon, Joseph E., Chehalis, Wash. Logging-hook. No. 1,272,860; July 16; v. 252; p. 653.
Saint Clair, Frank E., Worland, Wyo. Hand steering-wheel. No. 1,262,393; Apr. 9; v. 249; p. 425.
Saint, William K., Vancouver, British Columbia, Canada. Scaffold. No. 1,272,120; July 9; v. 252; p. 418.
Sainteve, John, and L. Lewis, Belleville, Ill. Tractor attachment for vehicles. No. 1,278,759; Sept. 10; v. 254; p. 411.
Sakane, Seiichi, Kyoto, Japan. Treating scales of fish. No. 1,264,979; May 7; v. 250; p. 29.
Sakogawa, Masunosuke, Oakland, Cal. Fire-protection system. No. 1,262,121; Apr. 9; v. 249; p. 348.
Sakowski, Max, Massillon, Ohio. Artificial limb. No. 1,267,121; May 21; v. 250; p. 682.
Sala, Earl V., assignor to The E. V. Sala Patents Company, Toledo, Ohio. Engine. No. 1,266,165; May 14; v. 250; p. 388.
Saladiner, Joseph M., Bryan, Tex. Magazine-projectile. No. 1,284,148; Nov. 5; v. 256; p. 188.
Saladiner, Joseph M., Bryan, Tex. Airship-destroyer. No. 1,284,149; Nov. 5; v. 256; p. 188.
Salari, Tony, Bisbee, Ariz. Aircraft life-boat. No. 1,281,846; Oct. 15; v. 255; p. 532.
Salari, Tony, Bisbee, Ariz. Resilient automobile-tire. No. 1,284,466; Nov. 12; v. 256; p. 298.
Salazar, Emilio R., Habana, Cuba. Brake-operating apparatus. No. 1,274,336; July 30; v. 252; p. 1118.
Salcines, Lecticio, Guantánamo, Cuba. Centrifugal machine. No. 1,253,428; Jan. 15; v. 246; p. 643.
Salerni, Marie-Therese E. (See Vincent, Helier A., assignor.)
Salerno, Ferdinando G., Chicago, Ill. Depositing-machine. No. 1,274,606; Aug. 6; v. 253; p. 76.
Salerno, Ferdinando G., Chicago, Ill. Depositing-machine. No. 1,285,402; Nov. 19; v. 256; p. 572.
Salfeld, Charles S., Milwaukee, Wis. Internal-combustion motor. No. 1,262,850; Apr. 16; v. 249; p. 583.
Salfeld, Charles S., Milwaukee, Wis. Internal-combustion engine. No. 1,267,459; May 28; v. 250; p. 802.
Salfeld, Charles S., Milwaukee, Wis. Governing apparatus for internal-combustion engines. No. 1,267,460; May 28; v. 250; p. 802.
Salfner, Theodor. (See Heartt and Salfner.)
Saliger, Alois B., New York, N. Y., assignor, by mesne assignments, to The Beck Duplicator Company. Duplicator. No. 1,254,733; Jan. 29; v. 246; p. 1065.
Saliger, Alois B., New York, N. Y., assignor to Beck Duplicator Company. Duplicator. No. 1,270,331; June 25; v. 251; p. 703.
Salinas y Souza, Benigno, Duran, assignor to A. C. Smith, Habana, Cuba. Automatic cane-juice filter. No. 1,254,160; Jan. 22; v. 246; p. 871.
Salisbury Ball Bearing Corporation. (See Wilson, James, assignor.)
Salisbury, John B., Phelps, N. Y. Dirigible headlight for automobiles. No. 1,257,029; Feb. 19; v. 247; p. 638.
Salisbury, Lynn A. (See Evans and Salisbury.)
Salisbury, Orange J., Salt Lake City, Utah. Rotary suction-filter. No. 1,259,139; Mar. 12; v. 248; p. 386.
Salisbury, Orange J., assignor to United Filters Corporation, Salt Lake City, Utah. Filtering apparatus. No. 1,283,925; Nov. 5; v. 256; p. 128.
Salisbury & Satterlee Co. (See Nicolle, Frank, assignor.)
Salles, Paul, La Fayette, La. Dental-slab holder. No. 1,256,377; Feb. 12; v. 247; p. 411.
Sallman, Frank E., Corydon, Iowa. Paraffining and steam-cleaning device. No. 1,263,120; Apr. 16; v. 249; p. 661.
Sallows, James F., Kalamazoo, Mich. Producing and finishing gears and other carbonized steel parts. No. 1,282,467; Oct. 22; v. 255; p. 740.
Salmi, Andrew. (See Niemi, Isaac, assignor.)
Salmon, Frank M., Galesburg, Ill. Refrigerator. No. 1,283,926; Nov. 5; v. 256; p. 128.
Salmons, Claude C., West Philadelphia, Pa. Expansion-bolt. No. 1,278,025; Sept. 3; v. 254; p. 189.

Salmson, Emile J. J., assignor to Societe Des Moteurs Salmson (Systeme Canton-Unne), Billancourt, France. One-piece framing for magnetos. No. 1,281,666; Oct. 15; v. 255; p. 482.
Salo, Ivar S., and H. J. Lund, Virginia, Minn. Loading apparatus. No. 1,260,459; Mar. 26; v. 248; p. 826.
Salo, Karl, and M. Sherman, Indianapolis, Ind. Power-hammer. No. 1,255,793; Feb. 5; v. 247; p. 196.
Salonen, Paul, Bryant, S. D. Wild-oat sieve. No. 1,288,213; Dec. 17; v. 257; p. 568.
Salsburg, Louis K., *et al.* (See West, Harry H., assignor.)
Salsbury, Edward, Chicago, Ill. Motor-vehicle. No. 1,273,412; July 23; v. 252; p. 827.
Salstrom, David B., assignor to E. Kopriwa Company, Chicago, Ill. Spindle and bearing. No. 1,266,056; May 14; v. 250; p. 356.
Salto, Salvatore, Milan, Italy. Apparatus for concentrating and projecting radiant energy. No. 1,278,026; Sept. 3; v. 254; p. 189.
Salts, James D., Bois D'Arc, Mo. Airship. No. 1,276,120; Aug. 20; v. 253; p. 553.
Salt's Textile Manufacturing Company, The. (See Ford, Stuart M., assignor.)
Saltzer, Andrew, Sawtelle, Cal. Plow. No. 1,280,088; Sept. 24; v. 254; p. 831.
Salucka, Justins, Jamaica, N. Y. Valve-float. No. 1,288,688; Dec. 24; v. 257; p. 710.
Salvati, Dominick, Brooklyn, N. Y. Sanitary cart. No. 1,255,649; Feb. 5; v. 247; p. 155.
Salway, Albert E., Taibach, Wales. Multicylinder internal-combustion engine. No. 1,254,281; Jan. 22; v. 246; p. 905.
Salz Brothers. (See Duryea, William F., assignor.)
Salz, Jacob, New York, N. Y. Lever self-filler fountain-pen. No. 1,263,808; Apr. 23; v. 249; p. 869.
Salzstein, Benjamin F., *et al.* (See Bringe, William F., assignor.)
Samach, Julius, assignor to Enterprise Electric Novelty Co., Inc., New York, N. Y. Portable flash-light. No. 1,260,067; Mar. 19; v. 248; p. 683.
Samain, Gaston E., Paris, France. Internal-combustion engine. No. 1,261,058; Apr. 2; v. 249; p. 19.
Samburg, Maurice, New York, N. Y. Cloth-laying machine. No. 1,289,552; Dec. 31; v. 257; p. 946.
Sammarone, Amato N., Akron, Ohio. Shaft-support. No. 1,257,030; Feb. 19; v. 247; p. 638.
Sammarone, Amato N., Akron, Ohio. Electrodynamic machine. No. 1,262,264; Apr. 9; v. 249; p. 388.
Sammarone, Amato N., Akron, Ohio. Electrodynamic machinery. No. 1,271,374; July 2; v. 252; p. 174.
Sammarone, Amato N., Akron, Ohio. Armature-core support. No. 1,279,591; Sept. 24; v. 254; p. 690.
Sammon, Bernard J., Penn township, Allegheny county, assignor of one-half to F. Uhlenhaut, Jr., Pittsburgh, Pa. Rail-brace and tie-plate. No. 1,251,923; Jan. 1; v. 246; p. 143.
Sammons, Loney H., Houston, Tex. Hair-clipper. No. 1,264,443; Apr. 30; v. 249; p. 1079.
Sammons, Thomas A., Dayton, Ohio. Automatic cut-off valve and faucet mechanism. No. 1,268,160; June 4; v. 251; p. 26.
Samphere, Orin C., Milwaukee, Wis. Swimming-machine. No. 1,288,689; Dec. 24; v. 257; p. 711.
Sample, Fred M., Jacksonville, Oreg. Suit for aviators. No. 1,272,537; July 16; v. 252; p. 559.
Samppi, Michael, Rockford, Ill. Multiple horse holder and releaser. No. 1,285,403; Nov. 19; v. 256; p. 573.
Sampson, Charles H., Rochester, N. Y. Artificial eye and method of fitting the same. No. 1,268,885; June 11; v. 251; p. 249.
Sampson, Frank, *et al.* (See De Tamble, Percy F., assignor.)
Sampson, Frank C., Chicago, Ill. Photographic frame for printing on metal. No. 1,280,308; Oct. 1; v. 255; p. 54.
Sampson, Harold, Del Monte, Cal. Golf-club. No. 1,283,568; Nov. 5; v. 256; p. 34.
Sampson, John, Chicago, Ill. Clothes-drier. No. 1,285,404; Nov. 19; v. 256; p. 573.
Sampson, Sidney, Duluth, Minn. Electric switch. No. 1,252,498; Jan. 8; v. 246; p. 340.
Sampson, Walter R. (See McClay, William W., assignor.)
Sampson, William A., Windsor, Mo. Vehicle-cover. No. 1,257,535; Feb. 26; v. 247; p. 821.
Sampson, William H., Grand Island, Nebr. Tire-casing. No. 1,286,121; Nov. 26; v. 256; p. 790.
Samson Electric Company. (See Francis, John C., assignor.)
Samson Electric Company. (See Taber, Everett S., assignor.)
Samson Sieve-Grip Tractor Co. (See Kroyer, John M., assignor.)
Samuel C. Tatum Company, The. (See Dom, Alexander, assignor.)
Samuel G. Supplee & Co. (See Sternberg, George, assignor.)
Samuel, John, assignor to H. Beaudry, Montreal, Quebec, Canada. Belt attachment. No. 1,251,924; Jan. 1; v. 246; p. 143.
Samuel, John, assignor to H. Beaudry, Montreal, Quebec, Canada. Belt attachment. No. 1,253,429; Jan. 15; v. 246; p. 644.
Samuel, William, Swansea Valley, and W. A. Jones, Swansea, Wales. Means for injecting water into the cylinders of internal-combustion engines. No. 1,262,265; Apr. 9; v. 249; p. 389.
Samuels, Benjamin F. (See Layton and Haworth, assignors.)
Samuels, Mark J., New York, N. Y., assignor to Lyraphone Company of America, Washington, D. C. Talking-machine. No. 1,284,467; Nov. 12; v. 256; p. 299.
Samuels, Mark J., New York, N. Y., assignor to Lyraphone Company of America, Washington, D. C. Talking-machine. No. 1,287,763; Dec. 17; v. 257; p. 456.
Samuels, Wilhelm, Indianapolis, Ind. Slide-valve mechanism. No. 1,273,002; July 16; v. 252; p. 692.
Samuels, William, *et al.* (See Jacobsen, Jacob, assignor.)
Samuelson, Elmer E. (See Lewis and Samuelson.)
Samuelson, Frederick, Rugby, England, assignor to General Electric Company. Elastic-fluid turbine. No. 1,255,650; Feb. 5; v. 247; p. 155.
Samuelson, John. (See Little, Fred S., assignor.)
Samuelson, John E., Ophiem, Ill. Two-row cultivator. No. 1,265,962; May 14; v. 250; p. 331.
San Francisco Ship Building Co. (See Macdonald, Alan, assignor.)
Sanborn, Arthur, Leete Island, Conn. Oar. No. 1,263,938; Apr. 23; v. 249; p. 906.
Sanborn, Cora A., Brooklyn, N. Y. Roasting-pan. No. 1,258,049; Mar. 5; v. 248; p. 29.
Sanborn, William H., Larchmont, N. Y., assignor of one-half to H. L. Gray, Washington, D. C. Feed-bag for horses. No. 1,252,037; Jan. 1; v. 246; p. 175.
Sanburn, Frederick E. (See Sandburg, Frederick E.)
Sanchez, Leonardo, assignor of one-third to A. Angulo and one-third to G. C. Lopez, Habana, Cuba. Ignition device. No. 1,274,941; Aug. 6; v. 253; p. 170.
Sandbo, Anton I., Rock Island, Ill. Vaporizer. No. 1,251,582; Jan. 1; v. 246; p. 41.
Sandbo, Anton I., Rock Island, Ill. Safety-cranking device. No. 1,288,443; Dec. 17; v. 257; p. 621.
Sandberg, Christer P., London, England. Heat treatment of track-rails. No. 1,277,262; Aug. 27; v. 253; p. 906.
Sandberg, Christer P., London, England. Heat treatment of track-rails. No. 1,280,554; Oct. 1; v. 255; p. 123.
Sandberg, Oscar, Södertelje, assignor to Aktiebolaget Svenska Tobaksmonopolet, Stockholm, Sweden. Machine for manufacturing mouthpieces for cigarette-casings. No. 1,277,132; Aug. 27; v. 253; p. 867.
Sandberg, William J. (See Martin, Alfred A., assignor.)
Sandburg, Frederick E., Brooklyn, N. Y., now by judicial change of name F. E. Sanburn. Holder for drinking-glasses. No. 1,276,419; Aug. 20; v. 253; p. 637.
Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Dental alloy. No. 1,252,038; Jan. 1; v. 246; p. 176.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Motor mechanism for violin-players. No. 1,262,266; Apr. 9; v. 249; p. 389.
Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Metal composition. No. 1,268,495; June 4; v. 251; p. 121.
Sandell, Henry K., asignor to H. S. Mills, Chicago, Ill. Iron alloy. No. 1,279,448; Sept. 17; v. 254; p. 626.
Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Means for improving the commutation in rotary rectifiers. No. 1,286,795; Dec. 3; v. 257; p. 145.
Sander, Juel, Oldham, S. D. Rod for end-gates. No. 1,268,496; June 4; v. 251; p. 121.
Sanders, Adelma J. (See Coulter, Lemuel D., assignor.)
Sanders, Archibald H., Minneapolis, Minn. Golf-club. No. 1,289,553; Dec. 31; v. 257; p. 946.
Sanders, Carleton E., Passaic, N. J. Apparatus for forming shaped articles. No. 1,269,219; June 11; v. 251; p. 343.
Sanders, Carleton E., Passaic, N. J. Forming shaped articles. No. 1,269,220; June 11; v. 251; p. 344.
Sanders, Carroll C., Grant, Okla. Demountable rim. No. 1,263,121; v. 249; p. 662.
Sanders, Charles. (See Kusterer and Sanders.)
Sanders, James M., Hillsboro, Ohio. Auger. No. 1,260,068; Mar. 19; v. 248; p. 683.
Sanders, John M. (See West, Edward D., assignor.)
Sanders, John M., Atlanta, Ga. Pea-huller. No. 1,261,629; Apr. 2; v. 249; p. 181.
Sanders, William E., Watertown, N. Y. Liquid-measuring tank. No. 1,273,103; July 16; v. 252; p. 719.
Sanders, William S. (See Misener and Sanders.)
Sanders, William S. (See Misener, Skroback, and Sanders.)
Sanderson, Herbert J., Pittsburgh, Pa. Electric signal. No. 1,281,422; Oct. 15; v. 255; p. 419.
Sanderson, Jane, New York, N. Y. Plastic composition. No. 1,287,453; Dec. 10; v. 257; p. 347.
Sanderson Manufacturing Company. (See Sanderson, Richard S., assignor.)
Sanderson, Ray R., Orrville, Ohio. Brake mechanism. No. 1,263,290; Apr. 16; v. 249; p. 705.

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Sanderson, Richard S., assignor to Sanderson Manufacturing Company, Providence, R. I. Clasp. No. 1,287,764; Dec. 17; v. 257; p. 456.
Sanderson, Walter F., Bristol, Pa. Non-refillable bottle. No. 1,263,809; Apr. 23; v. 249; p. 869.
Sandford, Ralph R., assignor of one-half to The New London Mfg. Co., New London, Ohio. Seam for rain-coats. No. 1,268,059; May 28; v. 250; p. 971.
Sandidge, Thomas R., Sr., Fort Worth, Tex. Splitting-ax. No. 1,272,538; July 16; v. 252; p. 559.
Sandifur, Oliver B., North Manchester, Ind. Fastener. No. 1,275,094; Aug. 6; v. 253; p. 212.
Sandlas, Henry J., West Forest Park, Md., assignor to American Piano Company, New York, N. Y. Grand-piano action. No. 1,255,342; Feb. 5; v. 247; p. 66.
Sandmann, Fred A., Brooklyn, assignor of one-half to H. E. Bartow, New York, N. Y. Indoor clothes-rack. No. 1,265,524; May 7; v. 250; p. 178.
Sandoz-Moritz, Charles, Tavannes, Switzerland. Machine-tool. No. 1,279,741; Sept. 24; v. 254; p. 733.
Sandoz-Moritz, Charles, Tavannes, Switzerland. Automatic screw-making machine. No. 1,280,860; Oct. 8; v. 255; p. 234.
Sandquist, Charles A., Chicago, Ill. Liquid-sprayer. No. 1,287,765; Dec. 17; v. 257; p. 456.
Sands, Perley E. (See Harcus, Charles R., assignor.)
Sands, Roy G., Waukegan, assignor to Frank B. Cook Company, Chicago, Ill. Protective device. No. 1,277,133; Aug. 27; v. 253; p. 867.
Sandstrom, Carl E. (See Sandstrom, Claude O. and C. E.)
Sandstrom, Claude O. and C. E., Indianapolis, Ind. Direction-indicator. No. 1,252,724; Jan. 8; v. 246; p. 405.
Sandstrom, Oscar E., Lincoln, Nebr. Drawing-board. No. 1,263,122; Apr. 16; v. 249; p. 662.
Sandusky Cement Company, The. (See Hermansen, Herman, assignor.)
Sandusky Foundry & Machine Company. (See Millspaugh, William H., assignor.)
Sandwall, John G. (See Nilsson, Fritz A., assignor.)
Sandwich Manufacturing Co. (See Estep, Ezra, assignor.)
Sandy Hill Iron & Brass Works, The. (See Packer, James W., assignor.)
Sanford, Alfred C., Grangeville, Idaho. Reaper. No. 1,259,465; Mar. 12; v. 248; p. 476.
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Apparatus for making cord-passages in candlesticks. No. 1,272,861; July 16; v. 252; p. 653.
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Making cord-passages in candlesticks. No. 1,272,862; July 16; v. 252; p. 654.
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Knob-grinding machine. No. 1,289,924; Dec. 31; v. 257; p. 1037.
Sanford, Arthur N., Whitefish, Mont. Automatic fishing-reel. No. 1,263,939; Apr. 23; v. 249; p. 907.
Sanford, Frank C., Bridgeport, Conn. Gear-shifting mechanism for automobiles. No. 1,277,134; Aug. 27; v. 253; p. 867.
Sanford, Frank C., Bridgeport, Conn. Vise. No. 1,279,011; Sept. 17; v. 254; p. 510.
Sanford, George R., T. H. Miller, and B. Torrey, Jr., Syracuse, assignors to Semet-Solvay Company, Solvay, N. Y. Separating liquids having different boiling-points. No. 1,252,725; Jan. 8; v. 246; p. 405.
Sanford, Hugh W., Knoxville, Tenn. Railway. No. 1,268,390; June 4; v. 251; p. 91.
Sanford, Lloyd. (See Myers, Melvin A., assignor.)
Sanford Narrow Fabric Co. (See Diem, Hans J., assignor.)
Sanford Riley Stoker Co. (See Riley, Robert S., assignor.)
Sanford, William B., *et al.* (See Thompson, George W., assignor.)
Sangamo Electric Company. (See Bard, Jacob W., assignor.)
Sangamo Electric Company. (See Hodde and White, assignors.)
Sangamo Electric Company. (See Lamphier, Robert C., assignor.)
Sangamo Electric Company. (See White, Otis, assignor.)
Sangers, John C., Cleveland, Ohio. Battery-cell. No. 1,266,166; May 14; v. 250; p. 388.
Sangers, John H., assignor to The Hy-Watt Battery Company, Cleveland, Ohio. Dry-cell battery. No. 1,258,257; Mar. 5; v. 248; p. 89.
Sangers, John H., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company. Battery-tamping machine. No. 1,285,301; Nov. 19; v. 256; p. 547.
Sangiorgio, Vito G., Meriden, Conn. Macaroni and spaghetti machine. No. 1,266,720; May 21; v. 250; p. 570.
Sangoff, Peter, Worcester, Mass. Garment. No. 1,285,405; Nov. 19; v. 256; p. 573.
Sangoff, Peter, Worcester, Mass. Antiskidding device. No. 1,285,406; Nov. 19; v. 256; p. 573.
Sanguinetti, Henry, Bakersfield, Cal. Pumping power. No. 1,269,961; June 18; v. 251; p. 577.
Sanispoon Company. (See Jacoby, Leo D., assignor.)
Sanit-Air Company. (See Ciglia, Ernest F., assignor.)
Sanitary Bottle Washing Company. (See McDonnell, James F., assignor.)
Sanitary Can Machinery Company. (See Brenzinger, Julius, assignor.)
Sanitary Can Washer Co. (See Herr, Abram B., assignor.)
Sanitary Pulp Products Company. (See Ayerst, Harry C., assignor.)
Sanitary Screen and Shade Company. (See Soule, Arthur C., assignor.)
Sanitation Corporation, The. (See Stephens, Harry H., assignor.)
Sanko, Peter, Sr. (See Toth and Sanko.)
Sanscrainte, Antoinette T. (See Riopelle, Harry F., assignor.)
Sanseal Corporation. (See Bradley, Josiah, assignor.)
Sanseal Corporation, The. (See Westlake, Albert, assignor.)
Sansom, Cooper. (See Boyd, James S., assignor.)
Santella, Michelangelo, Marlboro, Mass. Arch-support. No. 1,255,794; Feb. 5; v. 247; p. 197.
Santirocco, Berardi. (See Tavani and Santirocco.)
Santomauro, Guy, Los Angeles, Cal. Hair-clipper. No. 1,260,247; Mar. 19; v. 248; p. 731.
Santos, Anthony S., West Roxbury, assignor to Spray Engineering Company, Boston, Mass. System for effecting humidity control. No. 1,270,747; June 25; v. 251; p. 815.
Santostefano, Giorgia della Cerda, Viareggio, Italy. Electric-light switch. No. 1,253,147; Jan. 8; v. 246; p. 529.
Santry, Joseph V. (See Clarke and Santry.)
Sanuy, Anthony D., and C. Engelbert, Fort Totten, N. Y. Oiling device for trombone-slides. No. 1,270,215; June 18; v. 251; p. 645.
Sapper, Charles H., South Norfolk, Va. Slat-adjusting device for louver-blinds. No. 1,271,619; July 9; v. 252; p. 275.
Saracino, John, Laporte, Ind. Breathing-mask. No. 1,287,114; Dec. 10; v. 257; p. 264.
Saranac Machine Co. (See Craig, Edward, assignor.)
Sarasin, Huldege. (See Sarasin, Fournier, and Sarasin.)
Sarasin, Roselphy. (See Sarasin, Fournier, and Sarasin, assignors.)
Sarasin, Treffly J., A. Fournier, and H. Sarasin, assignors of fifty one-hundredths to T. J. Sarasin, eighteen one-hundredths to A. Fournier, eighteen one-hundredths to H. Sarasin, and fourteen one-hundredths to R. Sarasin, Fitchburg, Mass. Automobile-truck. No. 1,281,847; Oct. 15; v. 255; p. 532.
Sardin, Joseph. (See Zumberg and Sardin.)
Sardo, Jacob, Johnstown, Pa. Lifting-jack. No. 1,280,369; Oct. 1; v. 255; p. 55.
Sardo, Jacob, Johnstown, Pa. Hand-bomb. No. 1,284,150; Nov. 5; v. 256; p. 188.
Sarell, Raymond H., Golden, Colo. Key-fastener. No. 1,286,424; Dec. 3; v. 257; p. 59.
Sargent, Alson C., Des Moines, Iowa. Electric brake device. No. 1,266,057; May 14; v. 250; p. 356.
Sargent, Charles E., Indianapolis, Ind. Sound-concentrating device. No. 1,252,039; Jan. 1; v. 246; p. 176.
Sargent, Charles E., Indianapolis, Ind. Motor for railway-vehicles. No. 1,286,122; Nov. 26; v. 256; p. 791.
Sargent, Clarence D., Boston, Mass. Carpet-sweeper. No. 1,287,115; Dec. 10; v. 257; p. 264.
Sargent & Co. (See Page, Albert A., assignor.)
Sargent & Company. (See Carroll, William J., assignor.)
Sargent Company. (See Garren, George S., assignor.)
Sargent and Company. (See Sargent, Edward R., assignor.)
Sargent Company. (See Sargent, George H., assignor.)
Sargent & Company. (See Shaw, John H., assignor.)
Sargent & Company. (See Voight, Henry G., assignor.)
Sargent & Company. (See Voight and Pickop, assignors.)
Sargent, E. O. (See Leslie, Frank, assignor.)
Sargent, Edward R., assignor to Sargent and Company, New Haven, Conn. Coffin ornament or the like. No. 1,258,147; Mar. 5; v. 248; p. 57.
Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Drier. No. 1,254,073; Jan. 22; v. 246; p. 845.
Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Drying-machine. No. 1,259,675; Mar. 19; v. 248; p. 566.
Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Drier. No. 1,279,165; Sept. 17; v. 254; p. 550.
Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Drying-machine for fibrous materials. No. 1,281,667; Oct. 15; v. 255; p. 482.
Sargent, George H., assignor to Sargent Company, Chicago, Ill. Gage-glass. No. 1,285,407; Nov. 19; v. 256; p. 574.
Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Wiring system. No. 1,270,555; June 25; v. 251; p. 766.
Sargent, Ralph N., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Apparatus for molding. No. 1,289,275; Dec. 31; v. 257; p. 877.

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Sargent, William H., assignor to Wayne Manufacturing Company, St. Louis, Mo. Gearing. No. 1,285,408; Nov. 19; v. 256; p. 574.
Sargent, William H., assignor to Wayne Manufacturing Company, St. Louis, Mo. Combined ice-cream freezer and refrigerator. No. 1,285,409; Nov. 19; v. 256; p. 574.
Sargl, Gothard, East Grand Forks, Minn. Illuminated water-gage. No. 1,273,413; July 23; v. 252; p. 827.
Sarlo, Carmine A. (See Moenke and Sarlo.)
Sartain, Louis M., assignor of one-tenth to W. H. Woodlee, one-tenth to W. G. Woodlee, one-tenth to G. Burrows, one-tenth to L. J. Campbell, one-tenth to S. C. Scott, one-tenth to J. Givens, one-tenth to W. H. Campbell, one-tenth to E. C. Shelton, one-tenth to G. D. Boyd, and one-twentieth to W. E. Gillen, Altamont, Tenn. Nut-lock wrench. No. 1,257,275; Feb. 19; v. 247; p. 709.
Sartakoff, Jack D., New York, N. Y. Apparatus for treating chemicals. No. 1,284,468; Nov. 12; v. 256; p. 299.
Sartakoff, Jack D., New York, N. Y. Sublimation apparatus. No. 1,284,787; Nov. 12; v. 256; p. 377.
Sartor, Alphonse, Sandusky, Ohio. Fender-lamp for automobiles. No. 1,263,606; Apr. 23; v. 249; p. 815.
Sarver, John M., *et al.* (See Hines, James F., assignor.)
Sasaki, Kinjiro. (See Tanabe, Hakulyo C., assignor.)
Sasch, Henry, New York, N. Y. Pen or pencil clip. No. 1,279,449; Sept. 17; v. 254; p. 626.
Sassil, Eugene H., assignor of forty one-hundredths to J. Donati, Chicago, Ill. Aerial amusement device. No. 1,252,306; Jan. 1; v. 246; p. 250.
Satenstein, Jesse. (See Platt, Jacob, assignor.)
Sather, Edmund O., Berkeley, Cal. Oil-distributer for internal-combustion engines. No. 1,252,182; Jan. 1; v. 246; p. 216.
Sato, Kurakichi, Los Angeles, Cal. Beet-topping machine. No. 1,260,715; Mar. 26; v. 248; p. 903.
Sato, Natsuo, Los Angeles, Cal. Vehicle-signal. No. 1,256,264; Feb. 12; v. 247; p. 377.
Sato, Ryuji, Brooklyn, N. Y. Combined shirt and collar fastening. No. 1,256,735; Feb. 19; v. 247; p. 551.
Sato, Ryuji, New York, N. Y. Game. No. 1,277,263; Aug. 27; v. 253; p. 900.
Satow, Sadakichi. (See Takamine and Satow.)
Satow, Sadakichi, Sendai, Japan. Manufacturing vegetable proteid substances. No. 1,275,308; Aug. 13; v. 253; p. 297.
Satow, Sadakichi, Sendai, Japan. Varnish and making same. No. 1,280,861; Oct. 8; v. 255; p. 234.
Satow, Sadakichi, Sendai, Japan. Celluloid-like substance and making same. No. 1,280,862; Oct. 8; v. 255; p. 234.
Satrum, Gilbert G., and I. B. Snartemo, Oslo Settlement, Tex. Blackboard-cleaner. No. 1,255,053; Jan. 29; v. 246; p. 1158.
Sattelkau, Paul, and H. Dombrink, Oakland, Cal. Producing hollow objects of plastic material. No. 1,288,214; Dec. 17; v. 257; p. 568.
Satterfield, Charles C., *et al.* (See Coffee, Robert W., assignor.)
Satterstrom, Ferdinand, Hastings, assignor to Magnetic Power Transmitter Company, Faribault, Minn. Rotatable electromagnetic clutch. No. 1,273,003; July 16; v. 252; p. 693.
Sattler, Rudolph, *et al.* (See Dean, Clyde T., assignor.)
Sauber, Robert, London, England. Reproduction or imitation of oil-paintings and other pictures. No. 1,261,630; Apr. 2; v. 249; p. 181.
Sauer, August. (See Alexander, Milton F., assignor.)
Sauer, Frederick W., Brooklyn, N. Y. Domestic laundry apparatus. No. 1,264,210; Apr. 30; v. 249; p. 1013.
Sauer, Frederick W., Brooklyn, N. Y. Sheet-feeder for printing-presses. No. 1,264,211; Apr. 30; v. 249; p. 1013.
Sauer, Frederick W., Brooklyn, N. Y. Constant-level device for sheet-feeders. No. 1,267,461; May 28; v. 250; p. 802.
Sauer, George L. (See Smith, Mae C., assignor.)
Sauer, Teckla, Milwaukee, Wis., assignor to Dallwig Distributing Co., Chicago, Ill. Thread-guiding device. No. 1,282,953; Oct. 29; v. 255; p. 902.
Sauerman Brothers. (See Dierks, Louis E., assignor.)
Sauerman, Ernest W., Chicago, Ill. Delivery mechanism for printing-presses and the like. No. 1,285,410; Nov. 19; v. 256; p. 575.
Sauerman, Henry B., Chicago, Ill. Excavating-shovel. No. 1,268,161; June 4; v. 251; p .26.
Sauerman, Henry B., Chicago, Ill. Excavating apparatus. No. 1,269,221; June 11; v. 251; p. 344.
Sauerman, Henry B., Chicago, Ill., assignor of one-half to J. A. Shearer, Indianapolis, Ind. Drag-line excavator. No. 1,265,963; May 14; v. 250; p. 331.
Sauerman, William E., Belmond, Iowa. Hanger for hats and other articles. No. 1,257,406; Feb. 26; v. 247; p. 781.
Sauermann, Gustave O., Kenesaw, Nebr. Automatic funnel. No. 1,263,810; Apr. 23; v. 249; p. 869.
Sauermann, Gustave O., Kenesaw, Nebr. Automatically-operated door. No. 1,269,962; June 18; v. 251; p. 577.
Sauers, John H., Camden, N. J. Refrigerating device. No. 1,264,866; Apr. 30; v. 249; p. 1193.
Saulnier, Arsène, Waltham, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Warping-machine. No. 1,254,541; Jan. 22; v. 246; p. 980.
Sault, Thomas B., assignor of one-half to G. S. Meredith, Milwaukee, Wis. Lathe-tool. No. 1,269,315; June 11; v. 251; p. 370.
Saumweber, Joseph E., Lidgerwood, N. D. Tool. No. 1,280,555; Oct. 1; v. 255; p. 123.
Saunders, Addison T., Chicopee, Mass., assignor to A. G. Spalding & Bros., Jersey City, N. J. Tennis-ball. No. 1,287,766; Dec. 17; v. 257; p. 456.
Saunders, Augustus M., McKeesport, assignor to National Tube Company, Pittsburg, Pa. Marking tubular articles. No. 1,274,788; Aug. 6; v. 253; p. 127.
Saunders, Augustus M., McKeesport, assignor to National Tube Company, Pittsburgh, Pa. Pipe-drawing apparatus. No. 1,281,668; Oct. 15; v. 255; p. 483.
Saunders, Augustus M. (See Boyd and Saunders.)
Saunders, Cecil L., Ithaca, N. Y. Cleaning device. No. 1,270,216; June 18; v. 251; p. 645.
Saunders, Cecil L., Cleveland, Ohio. Pneumatic cotton-gin. No. 1,280,863; Oct. 8; v. 255; p. 234.
Saunders, Charles B., Barrington, Ill. Bee-feeder. No. 1,251,583; Jan. 1; v. 246; p. 41
Saunders, Daniel G., Jr., Kansas City, Mo. Vehicle-top. No. 1,272,539; July 16; v. 252; p. 559.
Saunders, Daniel G., Jr., Kansas City, Mo. Convertible body for motor-driven vehicles. No. 1,285,411; Nov. 19; v. 256; p. 575.
Saunders, John E., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Indication apparatus for railway-traffic-controlling apparatus. No. 1,257,743; Feb. 26; v. 247; p. 882.
Saunders, Lewis E., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Purifying aluminous materials. No. 1,269,223; June 11; v. 251; p. 344.
Saunders, Lewis E., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Purifying aluminous materials. No. 1,269,224; June 11; v. 251; p. 344.
Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Aluminous abrasive. No. 1,263,607; Apr. 23; v. 249; p. 815.
Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Products containing β-alumina and preparing the same. No. 1,263,708; Apr. 23; v. 249; p. 842.
Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Aluminous abrasive and making the same. No. 1,263,709; Apr. 23; v. 249; p. 842.
Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Aluminous abrasive and making same. No. 1,263,710; Apr. 23; v. 249; p. 842.
Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Preparing aluminous abrasives. No. 1,269,222; June 11; v. 251; p. 344.
Saunders Motor Power Company. (See Saunders, Roy, assignor.)
Saunders, Percy R., Antigonish, Nova Scotia, Canada. Head-rest. No. 1,275,607; Aug. 13; v. 253; p. 379.
Saunders, Percy R., Antigonish, Nova Scotia, Canada. Pistol-clamp. No. 1,278,027; Sept. 3; v. 254; p. 189.
Saunders, Roy, St. Louis, Mo., assignor to Saunders Motor Power Company, East St. Louis, Ill. Rotary engine. No. 1,271,950; July 9; v. 252; p. 368.
Saunders, Roy, St. Louis, Mo., assignor to Saunders Motor Power Company, East St. Louis, Ill. Rotary engine. No. 1,279,450; Sept. 17; v. 254; p. 626.
Saunders, Samuel, Manchester, England. Automatic controlling means for heating and lighting installations and such like. No. 1,272,121; July 9; v. 252; p. 418.
Saunders, Samuel L., Boston, Mass. Rotary internal-combustion engine. No. 1,271,777; July 9; v. 252; p. 319.
Saunders, Samuel U., Miami, Fla. Saddle-cover. No. 1,271,375; July 2; v. 252; p. 174.
Saurer, Firma Adolphe. (See Schlatter, Gustav, assignor.)
Saurer, Hippolyt, Arbon, Switzerland. Apparatus for testing the teeth of gear-wheels. No. 1,263,472; Apr. 23; v. 249; p. 779.
Saurer, Hippolyt, Arbon, Switzerland. Device for controlling and regulating the thread tension in shuttles of embroidering-machines. No. 1,273,278; July 23; v. 252; p. 791.
Saurusaitis, Peter P., Waterbury, Conn. Altar-bread softener. No. 1,266,721; May 21; v. 250; p. 570.
Sauvage, William H., New York, N. Y. Hand-brake. No. 1,263,123; Apr. 16; v. 249; p. 662.
Savacool, Clarence. (See Peltier and Savacool.)
Savage Arms Corporation. (See Nelson, Charles A., assignor.)
Savage, Edward S., Rochester, N. Y. Toy. No. 1,259,782; Mar. 19; v. 248; p. 597.
Savage, Homer H. (See Langworthy and Savage.)
Savage, Joseph A., New Haven, Conn. Spark-plug. No. 1,286,123; Nov. 26; v. 256; p. 791.

Savage, Luther M., assignor of one-half to O. L. Joyner, Greenville, N. C. Advertising device. No. 1,263,124; Apr. 16; v. 249; p. 662.
Savage, Peter J., New York, N. Y. Legging. No. 1,279,764; Sept. 24; v. 254; p. 740.
Savage, Ralph V., assignor of one-half to K. R. Barnum, Sedalia, Mo. Ignition-timer. No. 1,255,795; Feb. 5; v. 247; p. 197.
Savage, Theodore S., Oakland, Cal. Signal for automobiles. No. 1,283,569; Nov. 5; v. 256; p. 34.
Savage Tire Company, The. (See Morris, Howard I., assignor.)
Savage, Wallace, Philadelphia, Pa. Asphalt-like composition and making same. No. 1,279,918; Sept. 24; v. 254; p. 786.
Savage, Will R., Omaha, Nebr. Radiator. No. 1,267,700; May 28; v. 250; p. 870.
Savage, Will R., Omaha, Nebr. Electric switch. No. 1,273,188; July 23; v. 252; p. 768.
Savaria, Lester N., Bremerton, Wash. Measuring-spigot. No. 1,273,279; July 23; v. 252; p. 792.
Savery, William H. (See Parsons, John H., assignor.)
Savickis, Sam, Detroit, Mich. Safety bolt and nut. No. 1,288,215; Dec. 17; v. 257; p. 568.
Savings Investment and Trust Company *et al.*, executors. (See Aylsworth, Jonas W.)
Savings Union Bank and Trust Company. (See Northrup, Elmer C., assignor.)
Savio, Michele, Turin, Italy. Reciprocating engine. No. 1,260,816; Mar. 26; v. 248; p. 931.
Savory, Eugene J., and N. R. Renze, Connellsville, Pa. Nut-lock. No. 1,278,028; Sept. 3; v. 254; p. 190.
Sawchyn, John, Passaic, N. J. Pistol-sword. No. 1,283,321; Oct. 29; v. 255; p. 998.
Sawtell, Albert H., Providence, R. I. Bobbin-holder. No. 1,260,069; Mar. 19; v. 248; p. 683.
Sawtelle, Edmund M., Englewood, N. J. Gang lawn-mower. No. 1,285,412; Nov. 19; v. 256; p. 575.
Sawyer, Asa L., East Providence, assignor to Hallam-Rice Co., Pawtucket, R. I. Clasp-pin. No. 1,258,258; Mar. 5; v. 248; p. 90.
Sawyer, Burnside E., Fitchburg, Mass. Making crochet-hooks. No. 1,254,161; Jan. 22; v. 246; p. 871.
Sawyer, Clem Y., Enterprise, Ala. Cloth shoe. No. 1,284,788; Nov. 12; v. 256; p. 377.
Sawyer, Frank M., Highland Park, Tex. Wall construction. No. 1,280,864; Oct. 8; v. 255; p. 234.
Sawyer, Harold E., Westboro, Mass. Skate-fastening device. No. 1,285,803; Nov. 26; v. 256; p. 714.
Sawyer, Harry, assignor to Shaw Electric Crane Company, Muskegon, Mich. Speed-control mechanism for power-driven apparatus. No. 1,263,125; Apr. 16; v. 249; p. 663.
Sawyer, Howard D., Revere, assignor to W. H. Kimball, Boston, trustee, fifteen thirty-seconds, H. D. Sawyer, Revere, fifteen thirty-seconds, and H. B. Newton, Brookline, Mass., two thirty-seconds. Fire-box for locomotive-engines. No. 1,275,763; Aug. 13; v. 253; p. 423.
Sawyer, Howard I., Pomeroy, Wash. Internal-combustion engine. No. 1,281,669; Oct. 15; v. 255; p. 483.
Sawyer, Walter H., Kansas City, Mo. Sales-slip holder. No. 1,264,980; May 7; v. 250; p. 30.
Saxe, Albert M. (See Zimmerman, Ralph W., assignor.)
Saxe, Sigmond, New York, N. Y. Silk-dyeing. No. 1,263,126; Apr. 16; v. 249; p. 663.
Saxe, Walter E., Inglewood, Cal. Settling-tank. No. 1,265,256; May 7; v. 250; p. 106.
Saxlund, Henry, Lisbon, N. D. Cut-off valve for water-service pipes. No. 1,281,848; Oct. 15; v. 255; p. 533.
Saxon, Louis, Montclair, N. J. Automatic figure toy. No. 1,261,300; Apr. 2; v. 249; p. 87.
Saxton, Lionel D., New York, N. Y. Attachment for steering mechanisms. No. 1,276,121; Aug. 20; v. 253; p. 554.
Saxton, Thomas G., Lexington, Ky., assignor of one-half to F. S. Yale, New York, N. Y. Regrooving-tool. No. 1,288,690; Dec. 24; v. 257; p. 711.
Sayels, John. (See Nixon and Sayels.)
Sayer, George J. (See Peterson, John M., assignor.)
Sayer, Robert C., Redland, England. Connecting bodies. No. 1,287,454; Dec. 10; v. 257; p. 347.
Sayers, Albert J. (See Petersen and Sayers.)
Sayles, Frederick, Chicago, Ill. Game apparatus. No. 1,262,851; Apr. 16; v. 249; p. 583.
Sayles, Henry, New York, N. Y. Chair. No. 1,288,216; Dec. 17; v. 257; p. 568.
Saylor, Earl E., Bladen, Nebr. Wind-shield protecting and shading attachment. No. 1,285,804; Nov. 26; v. 256; p. 714.
Saylor, Franklin G., Quincy, assignor of one-fourth to G. A. Lufkin, Revere, Mass. Vehicle-tire. No. 1,278,224; Sept. 10; v. 254; p. 267.
Saynisch, Yole, New York, N. Y. Washable corset and corset-steel. No. 1,258,148; Mar. 5; v. 248; p. 58.
Saynisch, Yole, New York, N. Y. Washable corset and steel therefor. No. 1,258,149; Mar. 5; v. 248; p. 58.
Sayre, Charles S., Albion, Wis. Packing means for silos. No. 1,266,861; May 21; v. 250; p. 609.
Sayre, Charles S., Albion, Wis. Lawn-mower sharpener. No. 1,271,778; July 9; v. 252; p. 319.
Sayre, Fay, Pond, Cal. Wire-stretcher. No. 1,260,716; Mar. 26; v. 248; p. 903.
Scaife, Richard C., assignor, by mesne assignments, to The White Motor Company, Cleveland, Ohio. Steering-column switch unit. No. 1,282,954; Oct. 29; v. 255; p. 902.
Scalbom, Oscar L., Chicago, Ill. Signal. No. 1,268,162; June 4; v. 251; p. 26.
Scalpelli, Sylvester, Joliet, Ill. Rail-joint. No. 1,267,279; May 21; v. 250; p. 725.
Scanes, Arthur E. L., Ashton-on-Mersey, England. Gage. No. 1,268,497; June 4; v. 251; p. 122.
Scanes, Arthur E. L., Ashton-on-Mersey, assignor to The British Westinghouse Electric & Manufacturing Company, Limited, London, England. Pump or compressor. No. 1,268,498; June 4; v. 251; p. 122.
Scarborough, Ellis W., and E. W. Fletcher, Searsport, Me. Wire-connecting device. No. 1,255,233; Feb. 5; v. 247; p. 33.
Scarborough, Harry Y., Minneapolis, Minn. Sanitary closet. No. 1,264,873; Apr. 30; v. 249; p. 1195.
Scarborough, Harry Y., Minneapolis, Minn. Sanitary chemical-closet. No. 1,284,789; Nov. 12; v. 256; p. 377.
Scarborough, Henry. (See Steere, Clarence E., assignor.)
Scarlett, William E., East Lynn, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Receiver of heel-nailing machines. No. 1,256,378; Feb. 12; v. 247; p. 411.
Scarperi, Vincent, Portland, Oreg. Propeller-post construction. No. 1,285,805; Nov. 26; v. 256; p. 714.
Scattergood, Frank H. (See Steele and Scattergood.)
Schaab, John J., St. Louis, Mo. Safety attachment for garment-pockets. No. 1,268,499; June 4; v. 251; p. 122.
Schaad, Hermann B., Great Neck, N. Y., assignor to The Aeolian Company. Automatic musical instrument. No. 1,264,981; May 7; v. 250; p. 30.
Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Strain-insulator. No. 1,281,849; Oct. 15; v. 255; p. 533.
Schaanning, Peder C., Vinderen, pr., assignor of one-half to J. & A. Jensen Og Dahl, Christiania, Norway. Machine for peeling the bark from short logs intended for the manufacture of wood-pulp and the like. No. 1,254,362; Jan. 22; v. 246; p. 929.
Schaben, Joseph. (See Blomster and Schaben.)
Schacht, William F., Huntington, Ind. Washer. No. 1,266,324; May 14; v. 250; p. 430.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,253,430; Jan. 15; v. 246; p. 644.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Flexible chain. No. 1,266,996; May 21; v. 250; p. 647.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,266,997; May 21; v. 250; p. 647.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,270,974; July 2; v. 252; p. 63.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,270,975; July 2; v. 252; p. 64.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Friction-clutch device for telescoping elements. No. 1,270,976; July 2; v. 252; p. 64.
Schade, John, assignor to National Blank Book Co., Holyoke, Mass. Friction-clutch device for telescoping elements. No. 1,270,977; July 2; v. 252; p. 64.
Schade, John, assignor to National Blank Book Co., Holyoke, Mass. Loose-leaf ledger. No. 1,270,978; July 2; v. 252; p. 65.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf ledger. No. 1,283,570; Nov. 5; v. 256; p. 34.
Schade, Wilbert C., Meadville, Pa. Iron casting. No. 1,269,963; June 18; v. 251; p. 577.
Schadee, Alice, *et al.* (See Schadee, Gustav, assignor.)
Schadee, Gustav, assignor, by mesne assignments, of two-thirds to E. G. Gallagher and one-third to A. Schadee, New York, N. Y. Vehicle-wheel. No. 1,272,122; July 9; v. 252; p. 418.
Schadler, Friedrich A., Arbon, Switzerland. Sheet-iron wheel. No. 1,288,217; Dec. 17; v. 257; p. 568.
Schadow, Julius R., Vallejo, Cal. Automatic feed mechanism for punches. No. 1,257,938; Feb. 26; v. 247; p. 938.
Schaefer, Anton, Spring Grove, Ill. Ridging and pulverizing machine. No. 1,265,526; May 7; v. 250; p. 179.
Schaefer, Anton, Spring Grove, Ill. Vegetable-slicing machine. No. 1,265,527; May 7; v. 250; p. 179.
Schaefer, Anton, Spring Grove, Ill. Transplanter. No. 1,266,634; May 21; v. 250; p. 546.
Schaefer, Béla, Frankfort-on-the-Main, Bockenheim, assignor to Hartmann & Braun A. G., Frankfort-on-the-Main, Germany. Metal-vapor rectifier and similar apparatus. No. 1,285,806; Nov. 26; v. 256; p. 715.
Schaefer, Edward, and O. J. Holmes, assignors to O'Nofrez'O Fire Extinguisher Manufacturing Company, St. Louis, Mo. Fire-extinguisher. No. 1,259,783; Mar. 19; v. 248; p. 597.
Schaefer, Frederic, Pittsburgh, Pa. Brake-rod jaw. No. 1,259,676; Mar. 19; v. 248; p. 566.

Schaefer, Frederic, Pittsburgh, Pa. Connecting-bar. No. 1,263,608; Apr. 23; v. 249; p. 815.
Schaefer, Frederic, Pittsburgh, Pa. Method of forming pin-eyes in metal bars. No. 1,270,059; June 18; v. 251; p. 603.
Schaefer, Frederick W., Cranford, N. J., assignor to The Aeolian Company. Sound-box. No. 1,275,764; Aug. 13; v. 253; p. 423.
Schaefer, Henry J., and P. J. Miller, Sherwood, Wis. Milk-strainer. No. 1,280,865; Oct. 8; v. 255; p. 235.
Schaefer, Joseph E., Celina, Ohio. Baby-carriage. No. 1,256,379; Feb. 12; v. 247; p. 411.
Schaefer, Magdalena. (See Cramer, Philipp, assignor.)
Schaefer, William H., New York, N. Y. Means for checking accounts. No. 1,255,796; Feb. 5; v. 247; p. 197.
Schaefer, William K., Fairmont, W. Va. Oven and associated heating apparatus. No. 1,276,969; Aug. 27; v. 253; p. 822.
Schaeffer, Calvin A., Brentwood, Md. Folding-chair. No. 1,268,631; June 4; v. 251; p. 160.
Schaeffer, Charles E., Lucas, La. Stalk-cutter. No. 1,268,060; May 28; v. 250; p. 971.
Schaeffer, Jessee, Allentown, Pa. Hedge-trimmer. No. 1,262,393; Apr. 9; v. 249; p. 425.
Schaer, Julia C., *et al.* (See Garland, Oscar A., assignor.)
Schaer, Lucy M., *et al.* (See Garland, Oscar A., assignor.)
Schafer, August W., East Gary, Ind. Cashier-protector. No. 1,284,790; Nov. 12; v. 256; p. 378.
Schafer, Dan G., Branch county, Mich. Stanchion. No 1,286,425; Dec. 3; v. 257; p. 59.
Schafer, Ditrich, and A. Kitscher, Sacramento, Cal. Picture-frame. No. 1,255,797; Feb. 5; v. 247; p. 197.
Schafer, Ferdinand A. (See Riggs, George R., assignor.)
Schafer, Philipp, Seymour, Ind. Window for vehicle-curtains. No. 1,279,451; Sept. 17; v. 254; p. 627.
Schafer, Theodore, Olney, Ill. Non-freezing toilet. No. 1,288,691; Dec. 24; v. 257; p. 711.
Schaff, Max B. (See Ruppelt, Ernst A., assignor.)
Schaffer, Andreas, New York, N. Y. Dicing-machine. No. 1,286,796; Dec. 3; v. 257; p. 145.
Schaffer, Arthur C., Cleveland, Ohio. Headlight-controlling means for automobiles or vehicles. No. 1,258,259; Mar. 5; v. 248; p. 90.
Schaffer, Frank J. (See Bowman and Schaffer.)
Schaffer, John C., Tiffin, Ohio. Hydrator. No. 1,265,964; May 14; v. 250; p. 331.
Schaffer, John C., Tiffin, Ohio. Feeding device. No. 1,270,332; June 25; v. 251; p. 704.
Schaffer, Martin R., Reading, Pa. Auxiliary air-intake valve. No. 1,280,310; Oct. 1; v. 255; p. 55.
Schaffert, Adolf H., assignor to The General Fireproofing Company, Youngstown, Ohio. Interlocking drawer unit. No. 1,271,083; July 2; v. 252; p. 93.
Schaffert, Louis. (See Conkling, Samuel G., assignor.)
Schäfler, Carlos, Merida, Mexico. Hulling-machine. No. 1,276,577; Aug. 20; v. 253; p. 681.
Schafran, Isaac, Newark, N. J., assignor of one-half to J. Thaler, New York, N. Y. Aircraft. No. 1,289,276; Dec. 31; v. 257; p. 878.
Schahfer, Flora, Terre Haute, Ind. Folding camping outfit. No. 1,283,322; Oct. 29; v. 255; p. 999.
Schaible, John, Elyria, Ohio. Agricultural tool. No. 1,280,866; Oct. 8; v. 255; p. 235.
Schaidhauf, Alois, Frankfort-on-the-Main, Germany, assignor to Roessler & Hasslacher Chemical Co., New York, N. Y. Stable hydrogen peroxid and making the same. No. 1,275,765; Aug. 13; v. 253; p. 424.
Schaidhauf, Alois, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Bleaching fibers. No. 1,278,389; Sept. 10; v. 254; p. 312.
Schalk Chemical Company. (See Catlett, Harry, assignor.)
Schall, Henry D., and R. W. Davenport, assignors to Detroit Stove Works, Detroit, Mich. Oven-burner unit for gas-stoves. No. 1,289,555. Dec. 31; v. 257; p. 947.
Schaller, Elmer. (See Sears, Walter C. assignor.)
Schaller, Otto, Südende, near Berlin, Germany. Producing metallic wires, filaments, and the like. No. 1,256,929; Feb. 19; v. 247; p. 608.
Schaller, Otto, Südende, near Berlin, Germany. Filament or wire formed of a single crystal. No. 1,256,930; Feb. 19; v. 247; p. 608.
Schamberg, Morris I., New York, N. Y. Tooth and mouth cleanser. No. 1,278,225; Sept. 10; v. 254; p. 268.
Schamel, John F. (See Farrell, Walter C., assignor.)
Schanck, Emery J., Centralia, Wash. Engineer's valve. No. 1,253,283; Jan. 15; v. 246; p. 597.
Schanschieff, Alexander N., New York, assignor to F. Strauss, Yonkers, N. Y. Toy. No. 1,287,767; Dec. 17; v. 257; p. 456.
Schanschieff, Alexander N., New York, assignor to F. Strauss, Yonkers, N. Y. Toy gun. No. 1,287,768; Dec. 17; v. 257; p. 457.
Schanschieff, Alexander N., New York, assignor to F. Strauss, Yonkers, N. Y. Toy gun. No. 1,287,769; Dec. 17; v. 257; p. 457.
Schantz, Abraham J., Orrville, Ohio. Shaft-packing. No. 1,279,452; Sept. 17; v. 254; p. 627.
Schantz, Edwin M., Chicago, Ill., assignor to The Computing Scale Company, Dayton, Ohio. Computing-scale. No. 1,273,414; July 23; v. 252; p. 828.
Schantz, Leroy C. (See Montgomery and Schantz.)
Schanze, G. A. (See Jencick, Stephen, assignor.)
Schanze, Gustavus A. (See Jencick, Stephen, assignor.)
Schaper, Henry C., assignor to The General Automatic Scale Company, St. Louis, Mo. Weighing-scale. No. 1,278,029; Sept. 3; v. 254; p. 190.
Schär, Alfred, Flawil, Switzerland. Plansifter. No. 1,271,084; July 2; v. 252; p. 93.
Schar, John, Anaheim, Cal. Trap for gophers, squirrels, and the like. No. 1,279,453; Sept. 17; v. 254; p. 627.
Scharf, George, Crown Point, Ind. Fastening device for doors, &c. No. 1,270,060; June 18; v. 251; p. 603.
Scharff, Gerson, *et al.* (See Rainey, Robert W., assignor.)
Scharff, Isadore B. (See Munn, William B., assignor.)
Scarlett, William E., East Lynn, Mass. Heel-nailing jack. No. 1,265,525; May 7; v. 250; p. 178.
Scharlie, John, Janesville, Wis. Post-hole auger. No. 1,270,556; June 25; v. 251; p. 766.
Schartow, Frank E., Racine, assignor of one-half to R. A. Nourse, Milwaukee, Wis. Snap-hook. No. 1,257,641; Feb. 26; v. 247; p. 851.
Schatz, Henry J. (See Taylor and Schatz.)
Schaub, Jacob, Newark, N. J., assignor to American Linseed Company. Artificial fuel and making the same. No. 1,262,267; Apr. 9; v. 249; p. 389.
Schaub, Jacob, Newark, N. J., assignor to American Linseed Company. Artificial fuel and making the same. No. 1,262,268; Apr. 9; v. 249; p. 390.
Schaub, Jacob, Newark, N. J., assignor to American Linseed Company. Apparatus for consuming fuel. No. 1,275,608; Aug. 13; v. 253; p. 379.
Schaubel, Paul, *et al.* (See Payne, Samuel R., assignor.)
Schauer, Leo A., and E. C. Myers, Pittsburgh, Pa. Spark-plug. No. 1,284,151; Nov. 5; v. 256; p. 188.
Schauffelberger, Emil, Putney, London, England. Apparatus for the manufacture of cellulose. No. 1,282,635; Oct. 22; v. 255; p. 786.
Schauffelberger, Emile, Putney, London, England. Flexible coupling. No. 1,268,632; June 4; v. 251; p. 161.
Schaufler, Walderma C., Mohawk, N. Y. Garment. No. 1,271,086; July 2; v. 252; p. 94.
Schaum, Otto W., Philadelphia, Pa. Machine for grinding balls. No. 1,252,364; Jan. 1; v. 246; p. 264.
Schaum, Otto W., Philadelphia, Pa. Ball-grinding machine. No. 1,252,365; Jan. 1; v. 246; p. 265.
Schaum, Otto W., Philadelphia, Pa. Ball-grinding machine. No. 1,252,366; Jan. 1; v. 246; p. 266.
Schaum, Otto W., assignor to Schaum & Uhlinger, Incorporated, Philadelphia, Pa. Loom. No. 1,278,226; Sept. 10; v. 254; p. 268.
Schaum, Otto W., Philadelphia, Pa., assignor to Fletcher Works, Incorporated. Clutch. No. 1,288,693; Dec. 24; v. 257; p. 712.
Schaum & Uhlinger. (See Schaum, Otto W., assignor.)
Schaum & Uhlinger. (See Suther, Alfred M., assignor.)
Schaum & Uhlinger Incorporated. (See Suther, Alfred M., assignor.)
Schauz, Oscar W., Adrian, Mich. Phonograph attachment. No. 1,283,571; Nov. 5; v. 256; p. 34.
Schebler, John M., Hamburg, Ind. Compressing device for corn-shocks. No. 1,277,759; Sept. 3; v. 254; p. 120.
Schecher, John L. (See Young, John S. and E. W., assignors.)
Schechter, Bernard, assignor of one-half to G. H. Tontrup, St. Louis, Mo. Brake-handle. No. 1,261,857; Apr. 9; v. 249; p. 277.
Schechter, Bernard, assignor of one-half to G. H. Tontrup, St. Louis, Mo. Brake-handle. No. 1,267,280; May 21; v. 250; p. 725.
Schechter, Jacob. (See Rosenfeld, Maurice S., assignor.)
Schechter, Joseph, New York, N. Y. Padlock. No. 1,256,168; Feb. 12; v. 247; p. 348.
Schedlbauer, Michael, Warren, Mich. Cover for railway-cars. No. 1,274,789; Aug. 6; v. 253; p. 127.
Scheel, George L., Chicago, Ill. Hair fluffer and perfumer. No. 1,252,499; Jan. 8; v. 246; p. 340.
Scheel, George L., Chicago, Ill. Electrical connection. No. 1,280,867; Oct. 8; v. 255; p. 235.
Scheel, George L., Chicago, Ill. Electrical attachment. No. 1,282,468; Oct. 22; v. 255; p. 740.
Scheeland, John, Portland, Oreg. Nipple for lead-pipe joints. No. 1,280,311; Oct. 1; v. 255; p. 55.
Scheibe, Harold M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Centrifugal switch. No. 1,279,012; Sept. 17; v. 254; p. 510.
Scheibel, Richard, St. Louis, Mo. Artificial limb. No. 1,265,965; May 14; v. 250; p. 332.
Scheid, Harry E., Jersey City, N. J. Faucet. No. 1,259,298; Mar. 12; v. 248; p. 427.
Scheid, John H., Minneapolis, Minn. Nose-ring. No. 1,276,122; Aug. 20; v. 253; p. 554.
Scheideler, George. (See Needham and Scheideler.)
Scheifer, Edward H., Midvale, Idaho. Multiple circular file. No. 1,288,218; Dec. 17; v. 257; p. 568.
Scheindlinger, Samuel. (See Goodman, Jacob R., assignor.)
Scheiner, Karl, Brooklyn, N. Y. Motor-cycle. No. 1,264,212; Apr. 30; v. 249; p. 1014.
Scheinkman, Bernard, New York, N. Y. Self-retaining splint. No. 1,270,880; July 2; v. 252; p. 36.
Scheinman, Louis J., New York, N. Y. Garment and belt therefor. No. 1,286,798; Dec. 3; v. 257; p. 146.

Scheithe, Arthur C., Chicago, Ill. Hair-cutting tool. No. 1,251,925; Jan. 1; v. 246; p. 143.
Schell, Harvey K., Polo, Ill. Shear-guard. No. 1,272,123; July 9; v. 252; p. 419.
Schell, Paul E., and H. W. Schluter, Detroit, Mich. Upholstery fastening means. No. 1,266,862; May 21; v. 250; p. 609.
Schell, Theodore. (See Conelly and Schell.)
Schellens, Christopher A., Clifton, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,263,473; Apr. 23; v. 249; p. 779.
Schellens, Christopher A., Marblehead, Mass., assignor to General Electric Company. Method of and means for preventing pulsations in centrifugal compressors. No. 1,281,216; Oct. 8; v. 255; p. 330.
Schellens, Christopher A., Clifton, Mass., assignor to General Electric Company. Pulsation-preventing mechanism for centrifugal compressors. No. 1,281,217; Oct. 8; v. 255; p. 331.
Schellinger, Lee L., McGraw, N. Y. Bed-leg. No. 1,265,257; May 7; v. 250; p. 106.
Schelter, John C., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last. No. 1,259,140; Mar. 12; v. 248; p. 386.
Schelter, John C., and L. B. Whipple, Rochester, N. Y., assignors to Fitz-Empire Double Pivot Last Company, Auburn, Me. Shoe-form. No. 1,289,925; Dec. 31; v. 257; p. 1038.
Scheltle, Herman C., New Glarus, Wis. Letter or the like file. No. 1,280,868; Oct. 8; v. 255; p. 235.
Schemel, Abraham, Yonkers, N. Y. Ice-creeper. No. 1,277,135; Aug. 27; v. 253; p. 868.
Schenberger, Adam W., Osawatomie, Kans. Automobile-engine attachment. No. 1,281,850; Oct. 15; v. 255; p. 533.
Schenck, Charles, Chicago, Ill., assignor, by mesne assignments, to Elevator Supplies Company, Inc., Hoboken, N. J. Lubricator for elevator-guides and the like. No. 1,274,942; Aug. 6; v. 253; p. 170.
Schenck, Gabrielle A. M. (See Schenck, Wilkens A., assignor.)
Schenck, Garrett, Jr., assignor to Great Northern Paper Company, Millinocket, Me. Apparatus for making paper. No. 1,267,701; May 28; v. 250; p. 870.
Schenck, George E., East Rutherford, N. J., assignor to C. M. Davis, New York, N. Y. Reducing-corset. No. 1,274,457; Aug. 6; v. 253; p. 33.
Schenck, John H. and L. E., Cedar Rapids, Iowa. Hair-curler. No. 1,256,597; Feb. 19; v. 247; p. 510.
Schenck, Licia E. (See Schenck, John H. and L. E.)
Schenck, Wilkens A., Philadelphia, Pa. Tool-handle-reinforcing device. No. 1,283,323; Oct. 29; v. 255; p. 999.
Schenck, Wilkens A., assignor to G. A. M. Schenck, Philadelphia, Pa. Coiled-spring holding device. No. 1,281,851; Oct. 15; v. 255; p. 534.
Schendler, Paul H., Erie, Pa. Clothes-wringer. No. 1,271,085; July 2; v. 252; p. 93.
Schenk, Bernhardt, and J. Szoke, Chicago, Ill. Power pipe-bending machine. No. 1,277,488; Sept. 3; v. 254; p. 43.
Schenk, Tamis C., Amsterdam, assignor to J. W. A. de Wild, Rotterdam, Netherlands. Clamping device for the connection of poles, balks, and the like. No. 1,269,964; June 18; v. 251; p. 577.
Schenk, William, Jersey City, N. J. Necklace. No. 1,289,277; Dec. 31; v. 257; p. 878.
Schenkel, Frederick G., deceased, Wilmington, Del.; R. Schenkel, administratrix. Vending-machine. No. 1,266,998; May 21; v. 250; p. 648.
Schenkel, Rose, administratrix. (See Schenkel, Frederick G.)
Schenkelberger, Albert F., Quincy, assignor to Safepack Paper Mills, Brockton, Mass. Reinforced impervious paper and making same. No. 1,270,250; June 18; v. 251; p. 654.
Schenuit, Henry F., Pasadena, Cal. Zither-piano. No. 1,282,636; Oct. 22; v. 255; p. 786.
Schepmoes, Lindsley, Hasbrouck Heights, N. J. Decorative blocks. No. 1,268,391; June 4; v. 251; p. 92.
Scher, Louis, New York, N. Y., assignor to General Acoustic Company. Telephonic apparatus. No. 1,280,556; Oct. 1; v. 255; p. 123.
Scherer, Albert G., assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Adapter for sheet-metal piping. No. 1,280,312; Oct. 1; v. 255; p. 55.
Scherer, George, assignor to Hayes Wheel Company, Jackson, Mich. Spoke-mitering machine. No. 1,263,127; Apr. 16; v. 249; p. 663.
Scherer, John F., Endeavor, Pa. Educational appliance. No. 1,262,269; Apr. 9; v. 249; p. 390.
Scherer, John F., and F. J. George, Minneapolis, Minn. Traction device for automobile-wheels. No. 1,273,930; July 30; v. 252; p. 1006.
Scherf, Theodore, assignor to The Cleveland-Akron Bag Company, Cleveland, Ohio. Multiply paper. No. 1,289,926; Dec. 31; v. 257; p. 1038.
Schernikow, Ernest. (See Vanderlip, Washington B., assignor.)
Scherr, Emilius W., Jr., New York, N. Y., assignor to The Aeolian Company. Automatic musical instrument. No. 1,279,013; Sept. 17; v. 254; p. 511.
Scherz, George. (See Brundage and Scherz.)
Scheuer, Alwin J., New York, N. Y. Hand-bag. No. 1,268,633; June 4; v. 251; p. 161.
Scheutz, Joseph A., assignor of one-half to R. W. Lorkowski, Detroit, Mich. Fender. No. 1,263,854; Apr. 16; v. 249; p. 584.
Schevenell, James, New York, N. Y. Antifrictional binding for collars. No. 1,277,264; Aug. 27; v. 253; p. 900.
Schevenell, James, New York, N. Y. Shirt-collar. No. 1,287,455; Dec. 10; v. 257; p. 347.
Schevitz, Carl, Jacksonville, Fla. Expansible shoe-last. No. 1,289,927; Dec. 31; v. 257; p. 1038.
Schiber, John P., Edwardsville, Ill. Stamp-affixing machine. No. 1,267,462; May 28; v. 250; p. 802.
Schickerling, Conrad, Weehawken, assignor, by mesne assignments, to L. E. Schickerling, Weehawken Heights, N. J. Vehicle-lamp. No. 1,262,394; Apr. 9; v. 249; p. 426.
Schickerling, Conrad, assignor to L. E. Schickerling, Weehawken, N. J. Automobile-lamp bulb. No. 1,262,395; Apr. 9; v. 249; p. 426.
Schickerling, Lillie E. (See Schickerling, Conrad, assignor.)
Schied, Charles W., Newark, N. J. Tool for removing obstructions from plumbing-passageways. No. 1,261,444; Apr. 2; v. 249; p. 128.
Schieffelin, William J., New York, N. Y. Surgical ampul. No. 1,263,940; Apr. 23; v. 249; p. 907.
Schiffer, M., *et al.* (See De Witt, Arthur T., assignor.)
Schiffers, Joseph A., Knoxville, Tenn. Dyeing composition. No. 1,276,123; Aug. 20; v. 253; p. 554.
Schleinkofer, Henry, Cleveland, Ohio. Hat-shape brace. No. 1,262,852; Apr. 16; v. 249; p. 584.
Schild, Hermann E., Pittsburgh, Pa. Reversing-valve. No. 1,275,609; Aug. 13; v. 253; p. 379.
Schild, John P., Cleveland, Ohio. Self-closing faucet. No. 1,273,931; July 30; v. 252; p. 1007.
Schildwachter, Christian W. (See Champagne, Arthur J., assignor.)
Schiller, Eugene, New York, N. Y. Dough-kneading machine. No. 1,280,313; Oct. 1; v. 255; p. 56.
Schiller Piano Company. (See Collignon, William C. P., assignor.)
Schilling, August, Oakland, Cal. Apparatus for the transportation of solids in pipe-lines. No. 1,264,688; Apr. 30; v. 249; p. 1146.
Schilling, Frederick, Newark, N. J. Foldable umbrella. No. 1,276,971; Aug. 27; v. 253; p. 822.
Schilling, George H., and I. O. Neff, Waterloo, Ill. Engine valve-gear. No. 1,266,325; May 14; v. 250; p. 431.
Schilling, George W., Philadelphia, Pa. Device for removing gear-wheels, &c. No. 1,268,285; June 4; v. 251; p. 61.
Schilling, John C., Avoca, Iowa. Door or sash vise. No. 1,280,118; Sept. 24; v. 254; p. 839.
Schilling, John N., Columbus, Ohio. Mail-box. No. 1,256,044; Feb. 12; v. 247; p. 309.
Schilling, Louis F., Salem, Ohio. Bed-spring fabric. No. 1,269,316; June 11; v. 251; p. 370.
Schillo, Edwin W., Chicago, Ill. Reinforced vehicle-curtain. No. 1,282,469; Oct. 22; v. 255; p. 740.
Schimel, Isidor, New York, N. Y. Measuring device for poured liquids. No. 1,279,014; Sept. 17; v. 254; p. 511.
Schimpff, Louis W. H., New York, N. Y., assignor to The Kny-Scheerer Corporation. Stranded-control X-ray system. No. 1,260,070; Mar. 19; v. 248; p. 683.
Schindeldecker, George H., Jr. (See Mongan, John P., assignor.)
Schindele, Peter E., Tolna, N. D. End-gate. No. 1,253,431; Jan. 15; v. 246; p. 644.
Schindler, Carl. (See Maiden, Schindler, and Newhouse.)
Schipper, George A., assignor of one-half to G. M. Stedman, Aurora, Ind. Gear-cutting machine. No. 1,285,413; Nov. 19; v. 256; p. 576.
Schirmer, Theodore F., assignor to The Standard Register Company, Dayton, Ohio. Autographic register. No. 1,277,489; Sept. 3; v. 254; p. 43.
Schirra, Julius, Pittsburgh, Pa., assignor to Projectile Protector Company, Wilmington, Del. Protecting-casing for ammunition. No. 1,288,219; Dec. 17; v. 257; p. 569.
Schisgall, Theodore, New York, N. Y., assignor to Travelight Mfg. Co., Philadelphia, Pa. Attachment for clocks. No. 1,267,807; May 28; v. 250; p. 900.
Schisgall, Theodore, New York, N. Y., assignor to Travelight Mfg. Co., Philadelphia, Pa. Combined child's rocking-chair, stationary chair, crib, and baby-carriage. No. 1,274,458; Aug. 6; v. 253; p. 33.
Schissel, Louis, Brooklyn, N. Y. Article of manufacture. No. 1,258,470; Mar. 5; v. 248; p. 151.
Schkommodau, Gustave H., Cincinnati, Ohio, assignor to Thomson Spot Welder Company, Boston, Mass. Electrode for electric welding-machines. No. 1,267,463; May 28; v. 250; p. 803.
Schlacht, Martin G., Tucson, Ariz. Mail-bag-transferring device. No. 1,284,469; Nov. 12; v. 256; p. 299.
Schlacks, William J., assignor to McCord and Company, Chicago, Ill. Ratchet-drive. No. 1,288,692; Dec. 24; v. 257; p. 711.
Schlaepfer, Edouard, Fils, and L. Blanc, assignors to said L. Blanc, Lausanne, Switzerland. Pump. No. 1,258,471; Mar. 5; v. 248; p. 151.

Schlaepfer, Robert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Cooling of pistons. No. 1,267,702; May 28; v. 250; p. 870.
Schlafly, Julius H., assignor to The Canton Culvert & Silo Company, Canton, Ohio. Silo. No. 1,265,966; May 14; v. 250; p. 332.
Schlattau, Frank, assignor of one-half to F. W. Christensen and one-fourth to A. S. Hobile, Los Angeles, Cal. Toy. No. 1,289,928; Dec. 31; v. 257; p. 1039.
Schlatter, Gustav, Steinach, Switzerland, assignor to Firma Adolphe Saurer, Arbon, Switzerland. Indicator for multiple-speed-transmission gearing. No. 1,273,932; July 30; v. 252; p. 1007.
Schlavin, Ernest E., Wrenshall, Minn. Fountain scrubbing-brush. No. 1,270,217; June 18; v. 251; p. 645.
Schlayer, Charles, New York, N. Y. Wrench. No. 1,277,490; Sept. 3; v. 254; p. 44.
Schleappi, Frederick H., New Berlin, assignor of one-half to R. G. Smith, Canton, Ohio. Curtain-stretcher. No. 1,282,637; Oct. 22; v. 255; p. 787.
Schleber, Albert, New Orleans, La. Envelop-fastening device. No. 1,252,848; Jan. 8; v. 246; p. 440.
Schlegel, Charles P., assignor to Schlegel Manufacturing Co., Rochester, N. Y. Robe-strap. No. 1,268,500; June 4; v. 251; p. 122.
Schlegel, Francis J., Detroit, Mich. Forward handle for files. No. 1,280,557; Oct. 1; v. 255; p. 123.
Schlegel Manufacturing Co. (See Schlegel, Charles P., assignor.)
Schlegelmilch, Frank, Cleveland, Ohio. Submarine boat. No. 1,285,414; Nov. 19; v. 256; p. 576.
Schlegl, Emrich, Astoria, N. Y. Tool-holder. No. 1,269,317; June 11; v. 251; p. 370.
Schlehr, Joseph A., Chicago, Ill. Washing-machine. No. 1,255,343; Feb. 5; v. 247; p. 66.
Schlehr, Joseph A., Chicago, Ill. Utensil-knob. No 1,265,967; May 14; v. 250; p. 332.
Schleicher, Edward G., Stamford, Conn. Motor-vehicle. No. 1,266,999; May 21; v. 250; p. 648.
Schleicher, Edward G., Stamford, Conn. Vehicle-tire. No. 1,289,929; Dec. 31; v. 257; p. 1039.
Schleicher, Frank D., Mifflintown, Pa. Broom. No. 1,278,227; Sept. 10; v. 254; p. 269.
Schleicher, Robert, assignor to Mengel Box Company, Louisville, Ky. Machine for securing wire hoops upon pails and like structures. No. 1,289,554; Dec. 31; v. 257; p. 947.
Schleicher, Rudolph H., Philadelphia, Pa. Friction-clutch. No. 1,288,220; Dec. 17; v. 257; p. 569.
Schleinzer, John, assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,267,596; May 28; v. 250; p. 840.
Schlepp, Louis, Brooklyn, N. Y. Artificial candle. No. 1,281,077; Oct. 8; v. 255; p. 291.
Schlereth, George, Cincinnati, Ohio. Sausage-linker. No. 1,289,930; Dec. 31; v. 257; p. 1039.
Schlesinger, Alexander H., New York, N. Y. Portable fence. No. 1,251,926; Jan. 1; v. 246; p. 143.
Schlesinger, Louis. (See Hellweg, Henry, assignor.)
Schlesinger, Louis, trustee. (See Barbieri and Thompson, assignors.)
Schleusselburg, George, Detroit, Mich. Vapor-generating apparatus. No. 1,278,390; Sept. 10; v. 254; p. 312.
Schleusselburg, George, Detroit, Mich., assignor to himself, R. F. Hartenstein, and J. C. Eichhorn, trustees. Alcohol-gas stove. No. 1,266,863; May 21; v. 250; p. 609.
Schlichter, Enos F., Philadelphia, Pa. Silo. No. 1,264,689; Apr. 30; v. 249; p. 1146.
Schlick, Erva A. (See Niles, Harry F., assignor.)
Schlicker, Christian, *et al.* (See Helbing, Frederick C., assignor.)
Schlicker, Herman C., New York, N. Y. Kinetograph. No. 1,256,931; Feb. 19; v. 247; p. 608.
Schliebs, Herman E., Niles, Mich. Paper-clip. No. 1,287,456; Dec. 10; v. 257; p. 347.
Schlieder, Augustus E., assignor to Schlieder Manufacturing Company, Detroit, Mich. Making valves. No. 1,255,469; Feb. 5; v. 247; p. 103.
Schlieder Manufacturing Company. (See Schlieder, Augustus E., assignor.)
Schlink, Frederick J., Washington, D. C. Scale-beam. No. 1,251,584; Jan. 1; v. 246; p. 42.
Schlintz, Charles F. (See Griesel, John C., assignor.)
Schlirf, Herman, Milwaukee, Oreg. Flag game. No. 1,253,891; Jan. 15; v. 246; p. 774.
Schloerb, Albert P. (See Pfefferkorn and Schloerb.)
Schlosinger Radium Co. (See Norring and Thorne, assignors.)
Schloss, Harry M., Jersey City, N. J. Adjustable support for window-shades. No. 1,267,464; May 28; v. 250; p. 803.
Schluckebier, Herbert J., Frankenmuth, Mich. Tie-hanger. No. 1,283,324; Oct. 29; v. 255; p. 999.
Schlueter, Henry W., Los Angeles, Cal. Railway-tie. No. 1,273,678; July 23; v. 252; p. 899.
Schlukebier, Edward, St. Paul, Minn. Pulsator for milking-machines. No. 1,278,391; Sept. 10; v. 254; p. 312.
Schluter, Herbert W. (See Schell and Schluter.)
Schluter, William, assignor to Parkersburg Manufacturing Company, Parkersburg, Iowa. Belt attachment for motor-vehicles. No. 1,272,124; July 9; v. 252; p. 419.
Schlutz, George F., *et al.* (See Davies, David, assignor.)
Schmalz, Albert A. (See Schumacher and Schmalz.)
Schmalz, Charles H., Pompeys Pillar, Mont. Fluid-flow-controlling valve. No. 1,278,760; Sept. 10; v. 254; p. 411.
Schmalzl, Joseph, South Bethlehem, Pa. Rocking-chair fan. No. 1,273,097; July 16; v. 252; p. 717.
Schmid, Frank V., Humphrey, Nebr. Automatic spark control for internal-combustion engines. No. 1,284,471; Nov. 12; v. 256; p. 299.
Schmid, Peter, Basel, Switzerland. Production of foam baths for treating textile materials. No. 1,281,670; Oct. 15; v. 255; p. 483.
Schmid, Peter, Basel, Switzerland. Manufacture of a substitute for sericin soap. No. 1,284,152; Nov. 5; v. 256; p. 189.
Schmid, William. (See Shakespeare and Schmid.)
Schmidt, Adolphe W., Lewiston, Idaho. Roller-mill scraper. No. 1,272,863; July 16; v. 252; p. 654.
Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,271,620; July 9; v. 252; p. 275.
Schmidt, Albert, assignor of one-half to A. J. Champion, Flint, Mich. Transmission mechanism. No. 1,279,592; Sept. 24; v. 254; p. 690.
Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,283,572; Nov. 5; v. 256; p. 35.
Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,283,573; Nov. 5; v. 256; p. 35.
Schmid, Albert W., Basel, Switzerland. Apparatus for treating silk and other textile goods in hanks by means of liquids. No. 1,277,136; Aug. 27; v. 253; p. 868.
Schmidt, Arno, Watsonville, Cal. Blue-rock-throwing machine. No. 1,280,089; Sept. 24; v. 254; p. 831.
Schmidt, Ben, Bigstone City, S. D. Power-transmission device. No. 1,273,674; July 23; v. 252; p. 898.
Schmidt, Bernard L. (See Hunt, Wilson P., assignor.)
Schmidt, Bernhard L., Davenport, Iowa. Work-holder for machines. No. 1,265,818; May 14; v. 250; p. 289.
Schmidt, Carl W., Piedmont, Cal., assignor to Ansco Company, Binghamton, N. Y. Autographic attachment for cameras. No. 1,288,221; Dec. 17; v. 257; p. 569.
Schmidt, Charles D., Woodhaven, N. Y. Antiskid device for vehicle-wheels. No. 1,273,933; July 30; v. 252; p. 1007.
Schmidt, Charles F., St. Louis, Mo. Automobile safety-lock and emergency-brake. No. 1,268,772; June 4; v. 251; p. 199.
Schmidt, Edwin, Chicago, Ill. Toy game. No. 1,278,228; Sept. 10; v. 254; p. 269.
Schmidt, Ernest E., Boston, Mass., assignor to Paramount Safety Paper Co., Chicago, Ill. Safety-paper. No. 1,269,863; June 18; v. 251; p. 552.
Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-yoke. No. 1,259,299; Mar. 12; v. 248; p. 427.
Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-yoke. No. 1,279,015; Sept. 17; v. 254; p. 511.
Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Friction draft-rigging. No. 1,279,016; Sept. 17; v. 254; p. 511.
Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Pawl-and-ratchet brake mechanism. No. 1,284,470; Nov. 12; v. 256; p. 299.
Schmidt, Frank G., San Jose, Cal. Ore-separator. No. 1,272,125; July 9; v. 252; p. 419.
Schmidt, Frederick W., Chicago, Ill., assignor, by mesne assignments, to Times-Systems Company, Portland, Me. Mercury switch. No. 1,256,380; Feb. 12; v. 247; p. 412.
Schmidt, George A. (See Cooper and Schmidt.)
Schmidt, George J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Induction-motor. No. 1,264,444; Apr. 30; v. 249; p. 1079.
Schmidt, Godfrey P., New York, N. Y. Top. No. 1,260,717; Mar. 26; v. 248; p. 903.
Schmidt, Gustav E., Chicago, Ill. Sheet-metal work and means for making same. No. 1,277,137; Aug. 27; v. 253; p. 868.
Schmidt, Hans. (See Philipp and Schmidt.)
Schmidt, Henry D., Astoria, N. Y. Gumming apparatus for ribbon-cutting machines. No. 1,266,058; May 14; v. 250; p. 357.
Schmidt, Henry F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine apparatus. No. 1,252,956; Jan. 8; v. 246; p. 471.
Schmidt, Henry F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid-translating device. No. 1,262,102; Apr. 9; v. 249; p. 342.
Schmidt, Henry F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blade-mounting. No. 1,289,278; Dec. 31; v. 257; p. 878.
Schmidt, Herman A., Detroit, Mich. Muffler. No. 1,274,943; Aug. 6; v. 253; p. 171.
Schmidt, Hermann, Suhl, Germany. Cycle-hub with brake mechanism. No. 1,280,558; Oct. 1; v. 255; p. 123.

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Schmidt, John A., Indianapolis, Ind. Adjustable form-support for concrete construction. No. 1,287,770; Dec. 17; v. 257; p. 457.
Schmidt, John C., Chicago, Ill. Door check and closer. No. 1,266,864; May 21; v. 250; p. 610.
Schmidt, John E., Chicago, Ill. Attachment for shapers or planers for forming key-seats and angular openings. No. 1,281,078; Oct. 8; v. 255; p. 291.
Schmidt, John H., assignor of one-half to C. H. Mitchell, Detroit, Mich. Auxiliary air-inlet valve. No. 1,267,465; May 28; v. 250; p. 803.
Schmidt, Lawrence S., assignor to Schmidt-McCormick Company, Pittsburgh, Pa. Safety means for furnace-cooling structures. No. 1,276,420; Aug. 20; v. 253; p. 638.
Schmidt, Lawrence S., Pittsburgh, Pa. Means for heating boilers by waste gases. No. 1,276,421; Aug. 20; v. 253; p. 638.
Schmidt Lithograph Company. (See Miller, Louis A., assignor.)
Schmidt, Matthias C., Tacoma, Wash. Shoe. No. 1,284,934; Nov. 12; v. 256; p. 416.
Schmidt, Maximilian P., assignor to Kalle and Company, Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Manufacture of vat dyestuffs of the carbazole naphthoquinone series. No. 1,261,858; Apr. 9; v. 249; p. 277.
Schmidt-McCormick Company. (See Schmidt, Lawrence S., assignor.)
Schmidt, Oscar C., assignor to The Cincinnati Butchers Supply Company, Cincinnati, Ohio. Meat-cutting machine. No. 1,253,892; Jan. 15; v. 246; p. 774.
Schmidt, Otto, and A. Andres, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Compound suitable for tanning. No. 1,254,364; Jan. 22; v. 246; p. 929.
Schmidt, Otto, and F. Günther, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of water-soluble condensation products of the naphthalene series. No. 1,278,229; Sept. 10; v. 254; p. 269.
Schmidt, Paul, and C. Dobslaw, Berlin, Germany. Pocket-lamp for firearms. No. 1,262,270; Apr. 9; v. 249; p. 390.
Schmidt, Philip, Jr., Cleveland, Ohio. Agricultural implement. No. 1,281,852; Oct. 15; v. 255; p. 534.
Schmidt, Valdemar, assignor of one-half to J. S. Henderson, Los Angeles, Cal. Automatic silent railway-crossing. No. 1,288,222; Dec. 17; v. 257; p. 569.
Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Cal. Process and apparatus for accelerating chemical reactions. No. 1,252,726; Jan. 8; v. 246; p. 405.
Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Cal. Control of electrical discharges from electrical conductors. No. 1,263,941; Apr. 23; v. 249; p. 907.
Schmidt, Walter A., and G. C. Roberts, assignors to International Precipitation Company, Los Angeles, Cal. Apparatus for electrical separation of suspended particles from gases. No. 1,252,183; Jan. 1; v. 246; p. 216.
Schmidt, William, and A. Filipponi, Trenton, N. J. Headlight-deflector. No. 1,265,258; May 7; v. 250; p. 106.
Schmidt, William R. (See Kruger, Louis R., assignor.)
Schmiedeknecht, Victor E., Louisville, Ky. Piston. No. 1,256,265; Feb. 12; v. 247; p. 377.
Schmit, Victor P. (See Gravestock, Frank G., assignor.)
Schmithals, Frederick W., assignor to Bucyrus Company, South Milwaukee, Wis. Steam-shovel-operating mechanism. No. 1,286,426; Dec. 3; v. 257; p. 59.
Schmitt, Carl J., Brooklyn, N. Y. Toy house. No. 1,287,771; Dec. 17; v. 257; p. 457.
Schmitt, Henry, Detroit, Mich. Piston-ring. No. 1,267,703; May 28; v. 250; p. 871.
Schmitt, Henry, Detroit, Mich. Piston-ring. No. 1,276,832; Aug. 27; v. 253; p. 786.
Schmitt, John A. (See Oden and Schmitt.)
Schmitt, John O., Cleveland, Ohio. Print-washer. No 1,265,390; May 7; v. 250; p. 142.
Schmitt, John R., McHenry, Ill. Beet-puller. No. 1,288,223; Dec. 17; v. 257; p. 569.
Schmitt, John R., McHenry, Ill. Beet-topper. No. 1,288,224; Dec. 17; v. 257; p. 570.
Schmitt, Joseph T., Cullman, Ala. Shock-absorber. No. 1,278,030; Sept. 3; v. 254; p. 190.
Schmitt, Martin F., New York, N. Y. Controlling device. No. 1,256,381; Feb. 12; v. 247; p. 412.
Schmitt, Philipp, assignor of two-fifths to T. F. Foster, Port Orchard, Wash. Cultivator and weeder. No. 1,258,711; Mar. 12; v. 248; p. 261.
Schmitt, Thomas A. (See Hough, Samuel, assignor.)
Schmitt, William C., Portland, Oreg. Game apparatus. No. 1,273,675; July 23; v. 252; p. 898.
Schmitthenner, Friedrich. (See Seitz and Schmitthenner.)
Schmitz Engine Company. (See Schmitz, Richard, assignor.)
Schmitz, Evie, assignor of one-half to T. S. Schmitz, Torrance, Miss. Insect-catcher. No. 1,285,807; Nov. 26; v. 256; p. 715.
Schmitz, Richard, Chicago, Ill., assignor to Schmitz Engine Company. Rotary valve for gas-engines. No. 1,281,423; Oct. 15; v. 255; p. 420.
Schmitz, Thomas S. (See Schmitz, Evie, assignor.)
Schmoliner, Jakob, Detroit, Mich. Mop-wringer. No. 1,271,621; July 9; v. 252; p. 276.
Schmucker, Earl T., Rapid City, S. D. Storage-battery jar. No. 1,260,071; Mar. 19; v. 248; p. 683.
Schnabel, Henry M., Greenwich township, Fairfield county, Conn. Valve-lifter for automobiles. No. 1,279,017; Sept. 17; v. 254; p. 512.
Schnaier, Milton, New York, N. Y. Float-valve. No. 1,285,570; Nov. 19; v. 256; p. 614.
Schnak, William E., Cleveland, Ohio. Window-cleaner for vehicles. No. 1,259,300; Mar. 12; v. 248; p. 428.
Schnake, August C., Centralia, Ill. Weather-strip. No. 1,266,059; May 14; v. 250; p. 357.
Schnake, August C., Centralia, Ill. Grass-catcher for lawn-mowers. No. 1,283,325; Oct. 29; v. 255; p. 999.
Schneider, A. (See Lundgren, Olof A., assignor.)
Schneider, Anthony, Whippany, N. J. Cigar-box. No. 1,268,164; June 4; v. 251; p. 27.
Schneider, Anthony, Whippany, N. J., assignor to Seidenberg & Co. (Inc.), New York, N. Y. Lined cigar-box. No. 1,268,163; June 4; v. 251; p. 27.
Schneider, Christian. (See Holdsworth, Arthur J., assignor.)
Schneider, Christian. (See Mittasch, Schneider, and Morawitz.)
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schneider, Eberhard, New York, N. Y. Chain drive. No. 1,258,472; Mar. 5; v. 248; p. 152.
Schneider, Eberhard, New York, N. Y. Flexible shaft for moving-picture cameras. No. 1,270,061; June 18; v. 251; p. 603.
Schneider, Eberhard, New York, N. Y. Moving-picture-projecting apparatus. No. 1,274,607; Aug. 6; v. 253; p. 77.
Schneider, Eberhard, New York, N. Y. Dissolving-view apparatus. No. 1,280,869; Oct. 8; v. 255; p. 235.
Schneider, Ernest C., Arlington, Oreg. Wire-stretching device. No. 1,289,008; Dec. 24; v. 257; p. 786.
Schneider, Eugène, Le Creuzot, France. Explosive projectile. No. 1,257,126; Feb. 19; v. 247; p. 664.
Schneider, Eugène, Le Creuzot, France. Traction device. No. 1,271,951; July 9; v. 252; p. 368.
Schneider, Eugène, Le Creuzot, France, assignor to Schneider & Cie., Paris, France. Barrel-carriage of ordnance. No. 1,280,559; Oct. 1; v. 255; p. 124.
Schneider, Eugène, Paris, France. Pressure-reducing apparatus for fluids. No. 1,267,281; May 21; v. 250; p. 725.
Schneider, Eugène, Paris, France. Eccentric-reversing gear. No. 1,275,095; Aug. 6; v. 253; p. 213.
Schneider, Frederick E., assignor of one-half to O. Rossing, Highland, Wis. Wire-stretcher. No. 1,273,676; July 23; v. 252; p. 898.
Schneider, Frederick E., assignor of one-fourth to E. P. Cody and one-fourth to J. P. Shea, Highland, Wis. Shovel. No. 1,265,528; May 7; v. 250; p. 179.
Schneider, George, Cleveland, Ohio. Automobile-lock. No. 1,269,318; June 11; v. 251; p. 371.
Schneider, George E., San Francisco, Cal. Garbage-incinerator. No. 1,282,638; Oct. 22; v. 255; p. 787.
Schneider, George J., Detroit, Mich. Electric heater. No. 1,263,350; Apr. 16; v. 249; p. 721.
Schneider, George J., Detroit, Mich. Electric heater. No. 1,263,351; Apr. 16; v. 249; p. 722.
Schneider, Heinrich. (See Kurrell, Schneider, and Helms.)
Schneider, Hermann D., Milverton, Ontario, Canada. Shock-gatherer. No. 1,255,470; Feb. 5; v. 247; p. 103.
Schneider, Isadore S., and J. Landauer, Chicago, Ill. Valve mechanism. No. 1,287,457; Dec. 10; v. 257; p. 347.
Schneider, John. (See Hickey and Schneider.)
Schneider, John, assignor to Hickey and Schneider, New York, N. Y. Switch. No. 1,275,309; Aug. 13; v. 253; p. 297.
Schneider, John B., Cape Girardeau, Mo. Shears. No. 1,269,319; June 11; v. 251; p. 371.
Schneider, John F., St. Louis, Mo. Vulcanizer. No. 1,277,265; Aug. 27; v. 253; p. 900.
Schneider, Lawrence M., Baudette, Minn. Automatic furnace draft and fuel regulator. No. 1,275,096; Aug. 6; v. 253; p. 213.
Schneider, Louis, Boston, Mass., and E. E. J. Duquette, Central Falls, R. I. Valve. No. 1,261,301; Apr. 2; v. 249; p. 88.
Schneider, Peter F., Detroit, Mich. Washing-machine. No. 1,253,536; Jan. 15; v. 246; p. 672.
Schneider, Philipp, St. Louis, Mo. Button. No. 1,251,927; Jan. 1; v. 246; p. 143.
Schneider, Ralph F., New York, N. Y. Thermal circuit-closer. No. 1,271,087; July 2; v. 252; p. 94.
Schneider, Ralph F., New York, assignor to C. J. Tagliabue, Brooklyn, N. Y. Registering instrument. No. 1,278,761; Sept. 10; v. 254; p. 411.
Schnittker, Henry A., St. Louis, Mo. Resilient wheel. No. 1,284,472; Nov. 12; v. 256; p. 300.
Schnoor, Alexander F. C., Omaha, Nebr. Fish driving, loading, and delivery system. No. 1,252,500; Jan. 8; v. 246; p. 340.
Schnupp, Herbert H., Jeanette, Pa. Lamp-shade. No. 1,274,790; Aug. 6; v. 253; p. 127.

Schobel, Heinrich. (See Anderwert, Fritzsche, and Schobel.)
Schobert, John, Duluth, Minn. Window-hanger. No. 1,269,864; June 18; v. 251; p. 552.
Schoch, Albert, *et al.* (See Gasser, William B., assignor.)
Schoch, Eugene P., and R. H. Pritchett, Austin, Tex. Producing perhalates. No. 1,279,593; Sept. 24; v. 254; p. 691.
Schock, Clarence, Mount Joy, Pa. Receptacle. No. 1,267,910; May 28; v. 250; p. 930.
Schock, Thomas, Salt Lake City, Utah. Water-valve. No. 1,284,797; Nov. 12; v. 256; p. 380.
Schodlbauer, Erwin, New York, N. Y. Cuff-clasp. No. 1,287,772; Dec. 17; v. 257; p. 458.
Schoell, Eugene F., assignor, by mesne assignments, to The Metal Specialty Company, New Britain, Conn. Top. No. 1,253,195; Jan. 8; v. 246; p. 543.
Schoellkopf, William, Cleveland, Ohio. Spring-cushioned automobile-wheel. No. 1,270,445; June 25; v. 251; p. 734.
Schoen, Adolph F., *et al.*, administrators. (See Butkus and Gay.)
Schoenbein, Albert J., Fort Wayne, Ind. Automatic gear-shifting mechanism. No. 1,279,765; Sept. 24; v. 254; p. 740.
Schoenbein, Albert J., Fort Wayne, Ind. Automatic gear-shifting mechanism. No. 1,279,766; Sept. 24; v. 254; p. 740.
Schoenbein, Albert J., Fort Wayne, Ind. Automatic gear-shifting mechanism. No. 1,279,767; Sept. 24; v. 254; p. 741.
Schoenbein, Albert J., Fort Wayne, Ind. Automatic gear-shifting mechanism. No. 1,279,768; Sept. 24; v. 254; p. 741.
Schoenberg, L. A. (See Weber, Ralph B., assignor.)
Schoenberg, Ralph A. (See Both, Trumbull, and Schoenberg.)
Schoenberg, Ralph A. (See Pape, Herman G., assignor.)
Schoenberg, Ralph A., New York, N. Y., now by judicial change of name R. A. Belmont. Refillable plug. No. 1,265,391; May 7; v. 250; p. 142.
Schoenberg, Ralph A., now by judicial change of name R. A. Belmont, New York, N. Y. Pin-plug connector. No. 1,272,126; July 9; v. 252; p. 420.
Schoenberg, Ralph A., (now by judicial change of name R. A. Belmont.) New York, N. Y., assignor to The Connecticut Electric Mfg. Co., Bridgeport, Conn. Locatable socket-cap. No. 1,277,646; Sept. 3; v. 254; p. 88.
Schoenberg, Ralph A., (now by judicial change of name R. A. Belmont,) New York, N. Y., assignor to The Connecticut Electric Mfg. Co., Bridgeport, Conn. Fuse-plug. No. 1,277,647; Sept. 3; v. 254; p. 88.
Schoenberger, Michael F., Los Angeles, Cal. Wheel. No. 1,256,598; Feb. 19; v. 247; p. 510.
Schoenberger, Ralph A. (See Pape, Herman G., assignor.)
Schoenen, Frederick W., Great Falls, Mont. Submarine construction for diving purposes. No. 1,255,234; Feb. 5; v. 247; p. 34.
Schoener, Herman, St. Cloud, Minn. Combined hand hoe and shaver. No. 1,253,284; Jan. 15; v. 246; p. 598.
Schoenfeld, Charles, Canton, Ohio. Device for operating and locking prison-doors. No. 1,258,260; Mar. 5; v. 248; p. 90.
Schoening, William A., and J. Pachynski, Chicago, Ill. Mounting for folding windows and the like. No. 1,272,864; July 16; v. 252; p. 654.
Schoenky, August R. (See Zaleski and Schoenky.)
Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Driving and stopping mechanism. No. 1,265,529; May 7; v. 250; p. 179.
Schoenle, Walter M. (See Benzinger, Albert, assignor.)
Schoenleber, Thomas R. (See Otarii and Schoenleber.)
Schoenman, Charles B., Wilkinsburg, and R. M. Houck, Swissvale, Pa. Fusing-tool. No. 1,259,141; Mar. 12; v. 248; p. 386.
Schoenmehl, Charles B. (See Conrad, Miller E., assignor.)
Schoenmehl, Charles B., Waterbury, Conn. Primary battery. No. 1,258,473; Mar. 5; v. 248; p. 152.
Schoenthaler, Fred C., *et al.* (See Hachmann, Frederick, assignor.)
Schoenthaler, George R., Chicago, Ill. Support and tie for concrete-reinforcing bars. No. 1,254,853; Jan. 29; v. 246; p. 1103.
Schoenwolf, Fred, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Relay-buzzer. No. 1,269,005; June 11; v. 251; p. 282.
Schoenwolf, Fred, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system with automatic ringing disconnect. No. 1,273,189; July 23; v. 252; p. 769.
Schoenwolf, Fred, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Combined electromagnetically and manually operable organ stop-key. No. 1,275,766; Aug. 13; v. 253; p. 424.
Schoepko, Nikolaus, Chicago, Ill. Furnace. No. 1,271,088; July 2; v. 252; p. 94.
Schoettel, Alfred G., Brooklyn, assignor to American Can Company, New York, N. Y. Means for securing slip-covers upon cans and containers. No. 1,279,018; Sept. 17; v. 254; p. 512.
Schoettle, Charles, Phillips, Wis., assignor to Friedley-Voshardt Company, Chicago, Ill. Safety bull-leader. No. 1,270,557; June 25; v. 251; p. 766.
Schoff, Clarence. (See Lovejoy, George W., assignor.)
Schofield, Frederick C., Washington, D. C., assignor to The Tobacco Stemming Machine Company, Baltimore, Md. Tobacco-stemming machine. No. 1,268,392; June 4; v. 251; p. 92.
Schofield, Frederick O., Winston-Salem, N. C., assignor to The Tobacco Stemming Machine Company, Baltimore, Md. Tobacco-stemming machine. No. 1,286,124; Nov. 26; v. 256; p. 791.
Schofield, George H., Leigh, England. Safety supporting device for mine and the like lift-cages. No. 1,253,633; Jan. 15; v. 246; p. 700.
Schofield, Harry, executor. (See Ross, Sidney J.)
Scholder, Maurice, New York, N. Y. Distress-signal. No. 1,267,911; May 28; v. 250; p. 930.
Scholl, Henry L., Watertown, Wis. Device for treating goiters. No. 1,280,560; Oct. 1; v. 255; p. 124.
Scholl, Max, Houston, Tex. Time-switch. No. 1,253,893; Jan. 15; v. 246; p. 775.
Scholl, William M., Chicago, Ill. Arch-support. No. 1,258,363; Mar. 5; v. 248; p. 119.
Scholl, William M., Chicago, Ill. Pad for foot treatment. No. 1,288,225; Dec. 17; v. 257; p. 570.
Scholpp, Charles J. C. (See Barry, Henry, assignor.)
Scholz, Charles O., Pittsburgh, Pa., assignor to Pittsburg Water Heater Company. Burner. No. 1,282,955; Oct. 29; v. 255; p. 902.
Scholz, Emil M., New York, N. Y. Playing-cards. No. 1,269,320; June 11; v. 251; p. 371.
Scholze, Rudolf, Idagrove, Iowa. Post-card-printing apparatus. No. 1,255,054; Jan. 29; v. 246; p. 1158.
Schomo, Laurence L., Sayre, Pa. Door-holder. No. 1,263,128; Apr. 16; v. 249; p. 663.
Schon, Pierre, Detroit, Mich. Tool for truing shafts. No. 1,275,310; Aug. 13; v. 253; p. 297.
Schonbrunn, Max, New York, N. Y. Combination-spring-tool holder. No. 1,252,040; Jan. 1; v. 246; p. 176.
Schondelmaier, Charles G., assignor of one-half to J. W. Hamann, Jacksonville, Fla. Lubricator. No. 1,271,376; July 2; v. 252; p. 174.
Schoneck, William J., Brooklyn, N. Y. Artificial leg. No. 1,284,473; Nov. 12; v. 256; p. 300.
Schonenberger, Aloys. (See Cox, Victor L., assignor.)
Schöngut, Gustav, Budapest, Hungary. Manufacture of windings for electrical machines. No. 1,282,956; Oct. 29; v. 255; p. 903.
Schönherr, Wilhelm. (See Tittes and Schönherr.)
Schönwitz, Michael N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fluid rheostat. No. 1,256,832; Feb. 19; v. 247; p. 579.
Schooler, Lewis, Des Moines, Iowa. Catheter. No. 1,273,542; July 23; v. 252; p. 862.
Schooling, Charles F., *et al.* (See Avis, William C., assignor.)
Schoonenberg, Pancras. (See Filippo and Schoonenberg.)
Schoonmaker, Robert D., Plainfield, N. J. Phonograph. No. 1,281,671; Oct. 15; v. 255; p. 483.
Schoonover, William J., Belvidere, Ill. Gearing for washing-machines. No. 1,260,718; Mar. 26; v. 248; p. 904.
Schoonover, William J., Belvidere, Ill. Gearing for washing-machines. No. 1,274,087; July 30; v. 252; p. 1050.
Schoonover, William J., Belvidere, Ill. Gearing for washing-machines. No. 1,274,088; July 30; v. 252; p. 1050.
Schoop, Max U., Höngg, Switzerland. Process and mechanism for the production of electric heaters. No. 1,256,599; Feb. 19; v. 247; p. 511.
Schoor, Robert, San Francisco, Cal. Rotary pump or compressor. No. 1,257,744; Feb. 26; v. 247; p. 882.
Schoppner, William C., New York, N. Y., assignor to National Equipment Company, Springfield, Mass. Coating-machine. No. 1,270,881; July 2; v. 252; p. 36.
Schorn, Anthoney, assignor to Simmons Company, Kenosha, Wis. Lacquering-machine. No. 1,281,672; Oct. 15; v. 255; p. 484.
Schorr, Robert. (See Keating and Schorr.)
Schossow, Frederick A., Detroit, Mich. Shampoo-spray. No. 1,256,600; Feb. 19; v. 247; p. 511.
Schott, John H., Boulder, Colo. Ore-washing machine. No. 1,289,931; Dec. 31; v. 257; p. 1039.
Schott, Rudolf F., assignor to J. L. Koster, San Francisco, Cal. Attachment for water-supply pipes. No 1,267,123; May 21; v. 250; p. 683.
Schott, Sidney M., *et al.* (See Goodrich, William J., assignor.)
Schottenfels, Henry, New York, N. Y. Hose-supporter. No. 1,274,944; Aug. 6; v. 253; p. 171.
Schou, Hans H., assignor to Flakes A/S, Copenhagen, Denmark. Emulsifying apparatus. No. 1,254,734; Jan. 29; v. 246; p. 1065.
Schou, Paul, Copenhagen, Denmark. Vacuum-cooler with interior absorption. No. 1,285,415; Nov. 19; v. 256; p. 576.
Schrack, Clarence J., Long Beach, Cal. Silencer. No. 1,287,458; Dec. 10; v. 257; p. 348.
Schrade, George, New York, N. Y. Pocket-knife. No. 1,258,150; Mar. 5; v. 248; p. 58.
Schrader, Albert T., Jr. (See Staley, William A., assignor.)

Schrader, George W., Utica, N. Y. Sewing-machine. No. 1,273,935; July 30; v. 252; p. 1008.
Schrader, John R., New York, N. Y., assignor, by mesne assignments, to Railway Journal Packing Company, Inc. Material for applying lubricants to axle-bearings, &c. No. 1,279,019; Sept. 17; v. 254; p. 512.
Schrader, Paul J., Chicago, Ill. Toy. No. 1,288,226; Dec. 17; v. 257; p. 570.
Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Latch for doors. No. 1,265,120; May 7; v. 250; p. 70.
Schraeder, Frank J., Jr., Wheaton, Ill. Hoisting apparatus. No. 1,256,169; Feb. 12; v. 247; p. 349.
Schraeder, Frank J., Jr., Wheaton, Ill. Hoisting apparatus. No. 1,256,932; Feb. 19; v. 247; p. 608.
Schraga, Ernest H., assignor to Automatic Exploder Company, Salt Lake City, Utah. Automatic exploder. No. 1,268,634; June 4; v. 251; p. 161.
Schraga, Ernest H., assignor to Automatic Exploder Company, Salt Lake City, Utah. Signal apparatus. No. 1,277,138; Aug. 27; v. 253; p. 868.
Schragenheim, Sigmund, *et al.* (See Rovensky, Frank G., assignor.)
Schram, Alexander L., Hillsboro, Ill., assignor, by mesne assignments, to Drey Automatic Glass Machine Company, St. Louis, Mo. Glass-furnace. No. 1,288,227; Dec. 17; v. 257; p. 570.
Schram, Lily S., Chicago, Ill. Garter. No. 1,266,722 May 21; v. 250; p. 571.
Schramm, Adolph W. (See Russell and Schramm.)
Schramm, Adolph W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Chair. No. 1,268,886; June 11; v. 251; p. 249.
Schramm, Andrew A., Philadelphia, Pa. Partition construction for filing-cabinets. No. 1,274,608; Aug. 6; v. 253; p. 77.
Schramm, Joseph J., St. Louis, Mo. Convertible automobile-body. No. 1,276,970; Aug. 27; v. 253; p. 822.
Schramm, William, West Hoboken, N. J., assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Constant-speed wind-wheel. No. 1,287,116; Dec. 10; v. 257; p. 264.
Schrankel, Henry M., Buffalo, N. Y. Movable vehicle-jack. No. 1,262,853; Apr. 16; v. 249; p. 584.
Schreck, Horst, Yaphank, N. Y. Dairy sunning-rack. No. 1,283,326; Oct. 29; v. 255; p. 1000.
Schreiber, Edward A., Chicago, Ill., assignor, by mesne assignments, to Vapor Car Heating Company, Inc. Heating apparatus for tank-cars. No. 1,273,936; July 30; v. 252; p. 1008.
Schreiber, Edward A., Chicago, Ill., assignor, by mesne assignments, to Vapor Car Heating Company. Device for manipulating train-pipe end valves. No. 1,283,327; Oct. 29; v. 255; p. 1000.
Schreibman, Frederic, Toronto, Ontario, Canada. Wood-steaming apparatus. No. 1,261,445; Apr. 2; v. 249; p. 129.
Schreibman, Frederic, Toronto, Ontario, Canada. Wood-bending apparatus. No. 1,274,459; Aug. 6; v. 253; p. 34.
Schreier, Emil, Verdigre, Nebr., assignor to E. P. Schreier. Stock-tank. No. 1,272,720; July 16; v. 252; p. 613.
Schreier, Emil P. (See Schreier, Emil, assignor.)
Schreier, Harry. (See Van Hoofstadt, Edward, assignor.)
Schreiter, Edward R., Jr., Detroit, Mich. Padlock. No. 1,289,279; Dec. 31; v. 257; p. 878.
Schrems, Joseph M., Saginaw, Mich. Vent-cap for soil-pipes. No. 1,256,045; Feb. 12; v. 247; p. 310.
Schrenkeisen, Arthur, New York, N. Y. Couch-bed. No. 1,271,952; July 9; v. 252; p. 368.
Schreurs, Paul R., and G. F. Metz, assignors to The Pressloid Company, Muscatine, Iowa. Artificial pearl. No. 1,252,849; Jan. 8; v. 246; p. 440.
Schreurs, Paul R., and G. F. Metz, assignors to The Pressloid Company, Muscatine, Iowa. Pearl-shell composition. No. 1,252,850; Jan. 8; v. 246; p. 440.
Schreyer, Walter B., Detroit, Mich. Detachable link. No. 1,252,184; Jan. 1; v. 246; p. 216.
Schrik, Henry. (See Martin and Schrik.)
Schriner, Charles F., Cleveland, Ohio. Means for reinforcing open end of metallic receptacles. No. 1,256,933; Feb. 19; v. 247; p. 609.
Schroder, Bernard A., Birmingham, Ala., assignor to Automatic Gas Radiator Company. Gas-heating system. No. 1,280,870; Oct. 8; v. 255; p. 236.
Schroder, Bernard A., Birmingham, Ala., assignor to Automatic Gas Radiator Company. Heating system. No. 1,280,871; Oct. 8; v. 255; p. 236.
Schroder, Bernard A., Birmingham, Ala., assignor to Automatic Gas Radiator Company. Automatic control means for gas-burning heating systems. No. 1,280,872; Oct. 8; v. 255; p. 236.
Schroder, Edward J., Chicago, Ill. Signal apparatus. No. 1,260,817; Mar. 26; v. 248; p. 931.
Schroder, Fred F., assignor to The Stewart Manufacturing Company, Chicago, Ill. Check-writer. No. 1,271,231; July 2; v. 252; p. 136.
Schroder, Frederick F., Cincinnati, Ohio. Picture-frame. No. 1,254,162; Jan. 22; v. 246; p. 871.
Schroder, George, Berkeley, Cal. Fountain ink-bottle. No. 1,266,326; May 14; v. 250; p. 431.
Schroder, George, Berkeley, Cal. Dispensing ink-bottle. No. 1,275,610; Aug. 13; v. 253; p. 379.
Schroder, Adolph E., Rozel, Kans. Glazier's tool. No. 1,263,129; Apr. 16; v. 249; p. 664.
Schroeder, Albert F., Cleveland, Ohio. Reinforcing device. No. 1,268,887; June 11, v. 251; p. 249.
Schroeder, Albert F., and R. R. Root, assignors to The Globe Machine & Stamping Company, Cleveland, Ohio. Manifold. No. 1,271,779; July 9; v. 252; p. 319.
Schroeder, Anthony, Cleveland, Ohio. Faucet-attaching device. No. 1,278,511; Sept. 10; v. 254; p. 344.
Schroeder, Carl H., Des Moines, Iowa. Seed-sprouter. No. 1,251,826; Jan. 1; v. 246; p. 117.
Schroeder, Ernest A., and J. N. Tooker, Syracuse, assignors to Church & Dwight Company, New York, N. Y. Carton-sealing machine. No. 1,257,745; Feb. 26; v. 247; p. 883.
Schroeder, Ernest A., and J. N. Tooker, Syracuse, assignors to Church & Dwight Company, New York, N. Y. Carton-handling machine. No. 1,277,139; Aug. 27; v. 253; p. 869.
Schroeder, Ernest R., *et al.* (See Barry, Richard V., assignor.)
Schroeder, Gottlieb W., Andrews, Ind. Adjustable socket for mounting ornaments, &c., upon automobiles. No. 1,257,536; Feb. 26; v. 247; p. 821.
Schroeder, Harry C., Berkeley, Cal. Compensating air-pump for pneumatic vehicle-wheels. No. 1,285,808; Nov. 26; v. 256; p. 715.
Schroeder Headlight Co. (See Werzner, Edward H., assignor.)
Schroeder Headlight & Generator Company. (See Manogue, William T., assignor.)
Schroeder, Henry L., Chicago, Ill. Truck-coupling. No. 1,287,459; Dec. 10; v. 257; p. 348.
Schroeder, James P., Washington, D. C. Treating peat and muck for the preparation of fertilizer. No. 1,254,365; Jan. 22; v. 246; p. 930.
Schroeder, James P., Washington, D. C. Treating peat and muck for the preparation of fertilizer. No. 1,254,366; Jan. 22; v. 246; p. 930.
Schroeder, John, Davenport, Iowa. Motor. No. 1,275,767; Aug. 13; v. 253; p. 424.
Schroeder, John F., *et al.* (See Barry, Richard V., assignor.)
Schroeder, Louis. (See Friedlein, Fred J., assignor.)
Schroeder, Otto A., Green Bay, Wis. Sick-bed tray. No. 1,274,609; Aug. 6; v. 253; p. 77.
Schroeder, Otto C., Detroit, Mich. Eye-cleaner. No. 1,263,942; Apr. 23; v. 249; p. 907.
Schroeder, Simon E., Minier, Ill. Washing-machine. No. 1,284,474; Nov. 12; v. 256; p. 300.
Schroeder, Simon E., and C. W. Bird, Minier, Ill. Driving mechanism for operating devices. No. 1,288,694; Dec. 24; v. 257; p. 712.
Schroeder, William S., Austin, assignor to C. A. Schroyer, Oak Park, Ill. Yoke for draft-gears. No. 1,256,266; Feb. 12; v. 247; p. 377.
Schroeder, William S., Chicago, assignor to C. A. Schroyer, Oak Park, Ill. Yoke for draft-gears. No. 1,256,267; Feb. 12; v. 247; p. 378.
Schroeder, William S., Chicago, assignor to C. A. Schroyer, Oak Park, Ill. Yoke for draft-gears. No. 1,256,268; Feb. 12; v. 247; p. 378.
Schroedter, Edmund, Brooklyn, N. Y. Ignition-valve. No. 1,287,460; Dec. 10; v. 257; p. 348.
Schroer, Frederick H., Philadelphia, Pa. Toy. No. 1,258,151; Mar. 5; v. 248; p. 58.
Schroeter Brothers Hardware Company. (See McDaniel, Walter O., assignor.)
Schroetter, Arnold, New York, N. Y. Necktie-fastener. No. 1,266,865; May 21; v. 250; p. 610.
Schroetter, Arnold, New York, N. Y. Safety-catch for pins and similar articles. No. 1,281,853; Oct. 15; v. 255; p. 534.
Schrottky, Henry, Oshkosk, Wis. Elevator attachment for trucks. No. 1,280,090; Sept. 24; v. 254; p. 831.
Schroyer, Charles A. (See Schroeder, William S., assignor.)
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Window-sash. No. 1,256,046; Feb. 12; v. 247; p. 310.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Hinged curtain-shield. No. 1,256,047; Feb. 12; v. 247; p. 310.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Car-vestibule diaphragm. No. 1,256,048; Feb. 12; v. 247; p. 310.
Schroyer, Harry H., assignor to Dunbar Manufacturing Company, Chicago, Ill. Weather-strip for car-windows. No. 1,256,049; Feb. 12; v. 247; p. 311.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Car-vestibule diaphragm. No. 1,256,050; Feb. 12; v. 247; p. 311.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Curtain-box spring-lock. No. 1,256,051; Feb. 12; v. 247; p. 311.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Weather-strip. No. 1,256,052; Feb. 12; v. 247; p. 312.

Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Curtain-fixture. No. 1,256,053; Feb. 12; v. 247; p. 312.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Telescoping metal car-diaphragm. No. 1,256,054; Feb. 12; v. 247; p. 312.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Metal car-diaphragm. No. 1,256,055; Feb. 12; v. 247; p. 313.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Metallic car-diaphragm. No. 1,256,056; Feb. 12; v. 247; p. 313.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Metal vestibule-car diaphragm. No. 1,256,057; Feb. 12; v. 247; p. 313.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Roof structure for metal vestibule-car diaphragms. No. 1,256,058; Feb. 12; v. 247; p. 314.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Metal roof structure and seal for car-diaphragms. No. 1,256,059; Feb. 12; v. 247; p. 314.
Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Folding tail-gate for passenger-cars. No. 1,256,060; Feb. 12; v. 247; p. 314.
Schroyer, Harry H., assignor to Dunbar Manufacturing Company, Chicago, Ill. Car-diaphragm hood. No. 1,256,061; Feb. 12; v. 247; p. 315.
Schroyer, Harry H., assignor to Dunbar Manufacturing Company, Chicago, Ill. Unifold car-diaphragm. No. 1,276,272; Aug. 20; v. 253; p. 595.
Schroyer, Harry H., Chicago, Ill., assignor, by mesne assignments, to Protecto Manufacturing Company. Extending-bracket for awnings. No. 1,274,945; Aug. 6; v. 253; p. 171.
Schubert, Edward A., St. Charles, Mo. Tobacco-pipe. No. 1,260,460; Mar. 26; v. 248; p. 826.
Schubert, Julius J., St. Paul, Minn. Hinge for sashes. No. 1,266,327; May 14; v. 250; p. 431.
Schuch, Anthony, Dallas, Tex. Stovepipe-fastener. No. 1,289,556; Dec. 31; v. 257; p. 947.
Schuchart, Paul A., and G. G. Brown, New York, N. Y., assignors to Paper Service Co. Dispensing-cabinet. No. 1,273,280; July 23; v. 252; p. 792.
Schuck, Walter P., assignor to Superior Oil and Process Company, Portland, Oreg. Purifying oily materials. No. 1,260,072; Mar. 19; v. 248; p. 684.
Schuck, Walter P., assignor to Superior Oil and Process Company, Portland, Oreg. Treating solid fatty materials. No. 1,288,228; Dec. 17; v. 257; p. 571.
Schuckman, John P., Wichita, Kans. Animal-trap. No. 1,255,798; Feb. 5; v. 247; p. 198.
Schueler, George R., Kingston-upon-Hull, England. Centrifugal pump, blower, and exhauster. No. 1,282,639; Oct. 22; v. 255; p. 787.
Schueler, William B., Sterling, Ill. Latch. No. 1,274,610; Aug. 6; v. 253; p. 78.
Schuerhoff, Henry, *et al.* (See Rolland, Fred, assignor.)
Schuermann, Anton C. (See Mueller and Schuermann.)
Schuette, August E., and J. H. Kintzele, St. Louis, Mo., assignors, by mesne assignments, to St. Louis Washing Machine Company. Gearing. No. 1,265,530; May 7; v. 250; p. 180.
Schuh, Frank, Trenton, N. J. Water-closet. No. 1,273,415; July 23; v. 252; p. 828.
Schuh, Frank, Trenton, N. J. Clean-out. No. 1,275,768; Aug. 13; v. 253; p. 424.
Schuh, Frank L., Elcho, Wis. Log decker or hoisting apparatus. No. 1,264,867; Apr. 30; v. 249; p. 1194.
Schuh, John, Chicago, Ill. Car-stop. No. 1,280,873; Oct. 8; v. 255; p. 237.
Schuhmann, Edwin M., assignor to Chicago Glass Products Company, Chicago, Ill. Tube-container for medical preparations. No. 1,265,819; May 14; v. 250; p. 289.
Schuhmann, Richard J., assignor of one-half to G. N. Bosler, Louisville, Ky. Advertising device. No. 1,253,537; Jan. 15; v. 246; p. 672.
Schulder, Fred, assignor to United Brass Manufacturing Company, Cleveland, Ohio. Self-closing faucet. No. 1,270,882; July 2; v. 252; p. 37.
Schulder, Fred, assignor to United Brass Manufacturing Company, Cleveland, Ohio. Self-closing faucet. No. 1,272,867; July 16; v. 252; p. 655.
Schulder, Fred, assignor to United Brass Manufacturing Company, Cleveland, Ohio. Regulating means for self-closing valves. No. 1,287,461; Dec. 10; v. 257; p. 349.
Schuler, Otto, and W. Buschmann, Jr., Haledon, N. J. Device for hanging circular saws. No. 1,286,799; Dec. 3; v. 257; p. 146.
Schulherr, Isidor A. (See Yoder, Charles B., assignor.)
Schulhoff, John F., Dayton, Ohio. Gas-burner for furnaces. No. 1,284,153; Nov. 5; v. 256; p. 189.
Schulhoff, Saul, Trenton, N. J. Resilient heel-pad. No. 1,279,166; Sept. 17; v. 254; p. 550.
Schuller, Frank T., Minneapolis, Minn. Composition of matter. No. 1,254,854; Jan. 29; v. 246; p. 1103.
Schulte, Anthony, Hartington, Nebr. Disk-harrow attachment. No. 1,266,328; May 14; v. 250; p. 431.
Schulte, Walter B., assignor to Burgess Battery Company, Madison, Wis. Battery lighting outfit. No. 1,286,800; Dec. 3; v. 257; p. 146.
Schultes, Zeno, New Brunswick, N. J. Packing-ring. No. 1,267,124; May 21; v. 250; p. 684.
Schultheiss, William F. (See Rabun and Schultheiss.)
Schults, Daniel I., *et al.* (See Conard, Abraham N., assignor.)
Schultz, Bernard, assignor to B. Schultz & Co., Worcester, Mass. Waist. No. 1,289,009; Dec. 24; v. 257; p. 787.
Schultz, Ernst L., Erwinna, Pa. Road-equalizer for vehicles. No. 1,285,416; Nov. 19; v. 256; p. 576.
Schultz, Ferdinand H., Treynor, Iowa. Animal-oiling device. No. 1,276,972; Aug. 27; v. 253; p. 823.
Schultz, Frederick C. (See Peffers, Andrew R., assignor.)
Schultz, Henry C. (See Sexauer and Schultz.)
Schultz, Joseph, Pottstown, Pa. Detachable calk attachment for horseshoes. No. 1,254,439; Jan. 22; v. 246; p. 950.
Schultz, Robert W., Cincinnati, Ohio. Spark-plug. No. 1,267,597; May 28; v. 250; p. 841.
Schultz, William C., Wauwatosa, Wis. Fire-extinguisher. No. 1,260,818; Mar. 26; v. 248; p. 932.
Schultz, William C., Wauwatosa, Wis. Fire-extinguishing apparatus. No. 1,263,291; Apr. 16; v. 249; p. 705.
Schultze, Theodore C., Grand Rapids, Mich. Machine for making molds. No. 1,285,417; Nov. 19; v. 256; p. 577.
Schulz, Albert C., assignor to The Locomobile Company of America, Bridgeport, Conn. Shield. No. 1,259,784; Mar. 19; v. 248; p. 598.
Schulz, Anna. (See Schulz, John J., assignor.)
Schulz, Carl F., Jersey City, N. J. Engine-fuel-supply system. No. 1,270,446; June 25; v. 251; p. 735.
Schulz, Ferdinand. (See Preifert and Schulz.)
Schulz, Fred, Oakland, Cal. Automatic regulating device for heaters. No. 1,270,877; July 2; v. 252; p. 35.
Schulz, Frederick L., and W. Kraft, Toledo, Ohio. Terminal box. No. 1,270,062; June 18; v. 251; p. 604.
Schulz, John J., assignor to A. Schulz, South San Francisco, Cal. Portable crane. No. 1,254,282; Jan. 22; v. 246; p. 905.
Schulz, Karl K., assignor to Cycle Washing Machine Company, Chicago, Ill. Operating mechanism for washing-machines. No. 1,285,418; Nov. 19; v. 256; p. 577.
Schumacher, Charles H., and A. A. Schmalz, Dundee, Ill. Glare-shield. No. 1,275,311; Aug. 13; v. 253; p. 298.
Schumacher, Conrad, Lynnbrook, N. Y., assignor to Auto Strop Company. Honing or grinding machine. No. 1,255,799; Feb. 5; v. 247; p. 198.
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,265,531; May 7; v. 250; p. 180.
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,267,000; May 21; v. 250; p. 648.
Schumacher, Emil, Seattle, Wash. Automobile-steering-wheel lock. No. 1,257,031; Feb. 19; v. 247; p. 638.
Schumacher, Franz A., Evanston, Ill., assignor to The Quaker Oats Company, Chicago, Ill. Chicken-feeder. No. 1,287,773; Dec. 17; v. 257; p. 458.
Schumacher, Frederick H., Jersey City, N. J. Fan attachment for sewing-machines. No. 1,280,561; Oct. 1; v. 255; p. 124.
Schumacher, Henry C., and W. A. Winters, Barberton, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Machine for making match-box shucks. No. 1,270,333; June 25; v. 251; p. 704.
Schumacher, Herbert C. (See Galvin and Schumacher.)
Schumacher, John and J. E., Los Angeles, Cal. Apparatus for finishing plaster-board and the like. No. 1,259,049; Mar. 12; v. 248; p. 359.
Schumacher, John and J. E., Los Angeles, Cal. Apparatus for making plaster-board. No. 1,262,271; Apr. 9; v. 249; p. 390.
Schumacher, John and J. E., Los Angeles, Cal. Apparatus for handling plaster-board or the like. No. 1,270,334; June 25; v. 251; p. 704.
Schumacher, John and J. E., Los Angeles, Cal. Apparatus for finishing plaster-board and the like. No. 1,286,801; Dec. 3; v. 257; p. 147.
Schumacher, Joseph E. (See Schumacher, John and J. E.)
Schumacher, Joseph E., Los Angeles, Cal. Plaster-board. No. 1,268,802; June 4; v. 251; p. 208.
Schumacher, Joseph E., Los Angeles, Cal. Apparatus for manufacturing plaster-board. No. 1,286,802; Dec. 3; v. 257; p. 147.
Schumaker, Edward E., Hilbert, Wis. Beehive. No. 1,284,791; Nov. 12; v. 256; p. 378.
Schumann, Frank, Philadelphia, Pa. Flagpole and support therefor. No. 1,273,098; July 16; v. 252; p. 718.
Schumann, Fred, Brooklyn, N. Y. Screw-lock and slot-filler. No. 1,257,537; Feb. 26; v. 247; p. 821.
Schumann, Martin N., New Lisbon, Wis. Wire-winder. No. 1,276,973; Aug. 27; v. 253; p. 823.
Schumann, Otto, Jr., assignor to O. Schumann, Portland, Oreg. Clutch-shifter for automobiles and other vehicles. No. 1,273,543; July 23; v. 252; p. 862.
Schumann Piano Company. (See Peterson, Gust A., assignor.)
Schurman, Thomas. (See Condon and Schurman.)
Schürmann, Carl, Dusseldorf, Germany. Roll-calender. No. 1,257,746; Feb. 26; v. 247; p. 883.

Schurmeier, Frances K., St. Paul, Minn. Ear shield or protector. No. 1,255,800; Feb. 5; v. 247; p. 198.
Schussler, C. Bertha, *et al.* (See Woods, Edward D., assignor.)
Schussler, Frederick, *et al.* (See Woods, Edward D., assignor.)
Schussler, John H., Chicago, Ill. Vibrating distributing-roller for printing-presses. No. 1,282,957; Oct. 29; vol. 255; p. 903.
Schuster, Arthur M., *et al.* (See O'Connor, Denis, assignor.)
Schuster, August G. F., and I. R. Johnson, Chicago, Ill. Conduit-terminal. No. 1,283,574; Nov. 5; v. 256; p. 35.
Schuster, John P., *et al.* (See O'Connor, Denis, assignor.)
Schuth, Edward D., *et al.* (See Singleterry, Carter W., assignor.)
Schuth, William F., *et al.* (See Singleterry, Carter W., assignor.)
Schutt, George C., Bowling Green, Ohio. Automobile safety-signal. No. 1,261,631; Apr. 2; v. 249; p. 181.
Schutte, August E., Northboro, Mass. Pavement composition and structure. No. 1,265,259; May 7; v. 250; p. 106.
Schutte & Koerting Company. (See Knauf, Paul W., assignor.)
Schutte & Koerting Company. (See Zimmermann, Hans, assignor.)
Schutte, Laura C., Hilland, S. D. Cuff-link. No. 1,271,089; July 2; v. 252; p. 95.
Schuttler, William, Chicago, Ill. Locomotive arch-brick. No. 1,267,912; May 28; v. 250; p. 930.
Schütz, Conrad, assignor to H. D. Sorg, Philadelphia, Pa. Door-latch. No. 1,256,934; Feb. 19; v. 247; p. 609.
Schutz, Frank, Cameron, Tex. Bale-tie buckle. No. 1,272,127; July 9; v. 252; p. 420.
Schuyer, Wilton S., Savannah, Mo. Fire-alarm-bell ringer. No. 1,260,461; Mar. 26; v. 248; p. 826.
Schuyler, Sampson, Long Branch, N. J. Game device. No. 1,252,957; Jan. 8; v. 246; p. 472.
Schuyler, Sampson, Long Branch, N. J. Game device. No. 1,288,695; Dec. 24; v. 257; p. 712.
Schuyler, William B., San Francisco, Cal. Self-rising rice pancake-flour. No. 1,263,609; Apr. 23; v. 249; p. 815.
Schuyler, Wilton S., Savannah, Mo. Fire-alarm system. No. 1,282,295; Oct. 22; v. 255; p. 694.
Schwab, Bernard J., Miami, Ariz. Hinge. No. 1,268,393; June 4; v. 251; p. 93.
Schwab, Edward C. (See Girling and Schwab.)
Schwab, Louis. (See McGuckin, John J., assignor.)
Schwab, William C., Canton, Ohio. Cooking utensil. No. 1,275,611; Aug. 13; v. 253; p. 379.
Schwab, William J. (See Ferriss, Edward, assignor.)
Schwab, William R., assignor to The Cameragraph Company, Kansas City, Mo. Photographic apparatus. No. 1,266,060; May 14; v. 250; p. 357.
Schwager, John, *et al.* (See Conard, Abraham N., assignor.)
Schwander, Jacob N., Baltimore, Md., assignor to J. J. MacMaster, Rochester, N. Y. Shoe. No. 1,270,218; June 18; v. 251; p. 645.
Schwanhausser, Frederick, Jersey City, N. J. Stereopticon. No. 1,260,462; Mar. 26; v. 248; p. 827.
Schwanke, Clarence A., Willow City, N. D. Operating mechanism for washing-machines. No. 1,253,634; Jan. 15; v. 246; p. 700.
Schwantes, Otto R., Clintonville, Wis. Shock-absorber. No. 1,273,677; July 23; v. 252; p. 899.
Schwantes, Otto R., Clintonville, Wis. Shock-absorber. No. 1,286,427; Dec. 3; v. 257; p. 60.
Schwarcman, Alexander, assignor to Kellogg Products, Inc., Buffalo, N. Y. Catalyst and making same. No. 1,280,314; Oct. 1; v. 255; p. 56.
Schwarcman, Alexander, assignor to Kellogg Products, Inc., Buffalo, N. Y. Hydrogenation. No. 1,280,315; Oct. 1; v. 255; p. 56.
Schwarcman, Alexander, assignor to Kellogg Products, Inc., Buffalo, N. Y. Catalyst. No. 1,282,296; Oct. 22; v. 255; p. 694.
Schwarcman, Alexander, assignor to Kellogg Products, Inc., Buffalo, N. Y. Catalyst. No. 1,282,297; Oct. 22; v. 255; p. 694.
Schwartz, Albert A., assignor to Royal Typewriter Company, Inc., New York, N. Y. Platen and pressure-roll feeding means. No. 1,270,979; July 2; v. 252; p. 65.
Schwartz, Charles, trustee. (See Knapp, William A., assignor.)
Schwartz, Edward, New York, N. Y. Phonograph. No. 1,282,008; Oct. 15; v. 255; p. 573.
Schwartz, Edward, New York, N. Y., assignor to Manhattan Electrical Supply Company, Jersey City, N. J. Resistance element. No. 1,281,218; Oct. 8; v. 255; p. 331.
Schwartz, Edward, assignor, by mesne assignments, to Manhattan Electrical Supply Company, New York, N. Y. Electric hair-curler. No. 1,284,792; Nov. 12; v. 256; p. 378.
Schwartz, Edward, assignor to Manhattan Electrical Supply Company, New York, N. Y. Electric soldering-iron. No. 1,288,444; Dec. 17; v. 257; p. 621.
Schwartz, Ignatz, Chicago, Ill. Accelerator-operating means. No. 1,281,854; Oct. 15; v. 255; p. 534.
Schwartz, Jacob G., Davenport, Iowa. Wrench. No. 1,274,337; July 30; v. 252; p. 1118.
Schwartz, John G., New York, N. Y. Clothes-line puller. No. 1,260,583; Mar. 26; v. 248; p. 864.
Schwartz, Olga, Elmhurst, Pa. Sewing-machine attachment. No. 1,278,392; Sept. 10; v. 254; p. 313.
Schwartz, Samuel. (See Whitener, Robert L., assignor.)
Schwartz, William R., Independence, N. D. Grain-riddle. No. 1,281,855; Oct. 15; v. 255; p. 535.
Schwartzkopf, Jacob, Stanford, Mont. Punching and cutting machine. No. 1,254,855; Jan. 29; v. 246; p. 1103.
Schwartzman, Joszep, Chicago, Ill. Bed-spring fabric. No. 1,279,167; Sept. 17; v. 254; p. 550.
Schwarz, Alfred, New York, assignor to W. Scully, trustee, Brooklyn, N. Y. System for supplying mixtures to gas-turbines. No. 1,288,696; Dec. 24; v. 257; p. 712.
Schwarz, Bismarck R., Minneapolis, Minn. Ring-sizing tweezers. No. 1,269,321; June 11; v. 251; p. 371.
Schwarz, Conrad S., Philadelphia, Pa. Cap-block. No. 1,282,640; Oct. 22; v. 255; p. 787.
Schwarz, Emil. (See Linderme, Emil, assignor.)
Schwarz, Ernst, Berlin, and L. Blangey, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Tanning. No. 1,289,280; Dec. 31; v. 257; p. 878.
Schwarz, Frank, McCleary, Wash. Loom. No. 1,254,074; Jan. 22; v. 246; p. 846.
Schwarz, Frederick, Berne, Ind. Horizontal rotating swing. No. 1,251,928; Jan. 1; v. 246; p. 144.
Schwarz, Mabel L. (See Schwarz, William T., assignor.)
Schwarz, Max, Richmond, Va. Pastry-cone holder. No. 1,265,392; May 7; v. 250; p. 143.
Schwarz, Richard E., Detroit, Mich. Machine for molding artificial stone. No. 1,253,730; Jan. 15; v. 246; p. 728.
Schwarz, Samuel L. (See Feil and Schwarz.)
Schwarz, William T., assignor to M. L. Schwarz, Syracuse, N. Y. Teeter. No. 1,270,219; June 18; v. 251; p. 646.
Schwarze, Carl J., assignor to Schwarze Electric Company, Adrian, Mich. Buzzer. No. 1,263,711; Apr. 23; v. 249; p. 842.
Schwarze, Carl J., assignor to Schwarze Electric Company, Adrian, Mich. Electric bell. No. 1,265,393; May 7; v. 250; p. 143.
Schwarze Electric Company. (See Schwarze, Carl J., assignor.)
Schwarze, Herman G. C., assignor to Cadillac Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,286,803; Dec. 3; v. 257; p. 147.
Schwarzkopf, Arthur R., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Talking-machine tone-arm. No. 1,257,939; Feb. 26; v. 247; p. 938.
Schwarzmann, Wolfgang E., Long Meadow, and C. M. Wild, Springfield, Mass., assignors to Bosch Magneto Company, New York, N. Y. Apparatus for winding coil-condensers. No. 1,260,819; Mar. 26; v. 248; p. 932.
Schwedler, Carl, Berlin-Neukölln, Germany, assignor of one-half to F. Voigt. Nordhausen, am Harz, Germany. Basket-making machine. No. 1,267,125; May 21; v. 250; p. 684.
Schweimler, Robert W., and P. A. Poulalion, assignors to Compo-Tile Fireproofing Company, Wheeling, W. Va. Building construction. No. 1,255,235; Feb. 5; v. 247; p. 34.
Schweimler, Robert W., and P. A. Poulalion, assignors to Compo-Tile Fireproofing Company, Wheeling, W. Va. Tile or block. No. 1,255,236; Feb. 5; v. 247; p. 34.
Schweinert, Maximilian C., West Hoboken, N. J. Combined valve-cap and pump-coupling. No. 1,261,302; Apr. 2; v. 249; p. 88.
Schweinert, Maximilian C., West Hoboken, and H. P. Kraft, Ridgewood, N. J. Tire-valve. No. 1,251,585; Jan. 1; v. 246; p. 42.
Schweinsberg, George W. (See Potthoff and Schweinsberg.)
Schweisthal, Frederick G., assignor of one-half to G. Brommersberger, Chicago, Ill. Carbureter. No. 1,261,059; Apr. 2; v. 249; p. 20.
Schweiter, Hans, Horgen, Switzerland. Cop or pirn winding machine. No. 1,259,785; Mar. 19; v. 248; p. 598.
Schweitzer & Conrad. (See Conrad, Nicholas J., assignor.)
Schweitzer, Edmund O., Chicago, Ill. Brush for electrical machinery. No. 1,251,827; Jan. 1; v. 246; p. 117.
Schweitzer, Edmund O., Chicago, Ill. Cable-terminal pole. No. 1,254,938; Jan. 29; v. 246; p. 1127.
Schweitzer, Edmund O., Chicago, Ill. Means and method for metering electricity. No. 1,254,939; Jan. 29; v. 246; p. 1127.
Schweitzer, Edmund O., Chicago, Ill. Electricity-metering. No. 1,256,170; Feb. 12; v. 247; p. 349.
Schweitzer, Edmund O., Chicago, Ill. Apparatus for testing cables. No. 1,262,103; Apr. 9; v. 249; p. 342.
Schweitzer, Edmund O., Chicago, Ill. Means and method for metering electricity. No. 1,264,982; May 7; v. 250; p. 30.
Schweitzer, Edmund O., Chicago, Ill. Fuse device. No. 1,279,020; Sept. 17; v. 254; p. 512.
Schweitzer, Edmund O., and A. Herz, Chicago, Ill. Circuit-opening device. No. 1,263,610; Apr. 23; v. 249; p. 815.
Schweitzer, Edmund O., and A. Herz, Chicago, Ill. Fuse device. No. 1,265,121; May 7; v. 250; p. 70.

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Schweitzer, Edmund O., and A. Herz, Chicago, Ill. Fuse device. No. 1,270,335; June 25; v. 251; p. 765.
Schweitzer, Edmund O., and A. Herz, Chicago, Ill. Fuse device. No. 1,287,462; Dec. 10; v. 257; p. 349.
Schweiz. Serum- und Impfinstitut. (See Eckman, Aron, assignor.)
Schwenck, Rudy C. (See Batchell and Schwenck.)
Schwenk, Earl B. (See Dyer and Schwenk.)
Schwensen, Louis C., Brooklyn, N. Y. Hinge for suit-cases. No. 1,276,273; Aug. 20; v. 253; p. 596.
Schwentler, Francis E., assignor to The American Brake Company, St. Louis, Mo. Independent clasp-brake for trailer-trucks. No. 1,270,878; July 2; v. 252; p. 35.
Schwerdtle, Dorothy, San Francisco, Cal. Nurse's head-dress. No. 1,262,104; Apr. 9; v. 249; p. 343.
Schwerdtle, Henry G. (See Novotny and Schwerdtle.)
Schwerdtle, Henry G. (See Stokes and Schwerdtle.)
Schwerin, Botho, assignor to Gesellschaft für Elektro-Osmose m. b. H., Frankfort-on-the-Main, Germany. Diaphragm for electrolytical and electro-osmotical purposes. No. 1,252,185; Jan. 1; v. 246; p. 217.
Schwerin, Botho, assignor to Gesellschaft für Elektro-Osmose m. b. H., Frankfort-on-the-Main, Germany. Electro-osmotic extraction of water from animal, vegetable, and mineral substances. No. 1,266,329; May 14; v. 250; p. 432.
Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Removing liquid from steatite. No. 1,266,330; May 14; v. 250; p. 432.
Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Berlin, Germany. Purifying fluids. No. 1,269,006; June 11; v. 251; p. 282.
Schwerin, Samuel J., Willamette, Oreg. Wire-nail machine. No. 1,268,286; June 4; v. 251; p. 61.
Schweyer, Daniel H., Easton, Pa. Train-stopping apparatus. No. 1,279,454; Sept. 17; v. 254; p. 628.
Schwiddessen, William E., Perkins county, S. D. Nut-lock. No. 1,258,364; Mar. 5; v. 248; p. 119.
Schwidetzky, Oscar O. R., Hasbrouck Heights, N. J., assignor to Becton Dickinson & Co., Rutherford, N. J. Breast-pump. No. 1,278,762; Sept. 10; v. 254; p. 412.
Schwieger, Dorothea W., Faribault, Minn. Protecting device. No. 1,264,445; Apr. 30; v. 249; p. 1079.
Schwimmer, Oscar, assignor to J. J. Newell, Los Angeles, Cal. Towel-operating mechanism. No. 1,274,611; Aug. 6; v. 253; p. 78.
Schwinger, Conrad, Parker, S. D. Fish excluder or guard. No. 1,266,331; May 14; v. 250; p. 432.
Schwinn, Frank W., Chicago, Ill. Compensating sprocket. No. 1,254,542; Jan. 22; v. 246; p. 980.
Schwinn, Frank W., Chicago, Ill. Kick-starter mechanism. No. 1,268,501; June 4; v. 251; p. 123.
Schwitzer, Herman J., Braham, Minn. Automatic snow fence. No. 1,278,763; Sept. 10; v. 254; p. 412.
Schwitzer, Louis, assignor to Auto Motive Parts Co., Indianapolis, Ind. Means for locking hubs on spindles. No. 1,287,463; Dec. 10; v. 257; p. 349.
Sciannamea, Julius, New York, N. Y. Desk. No. 1,269,225; June 11; v. 251; p. 344.
Scielzo, Ferdinand, and R. Deleu, Paterson, N. J. Shuttle tension device. No. 1,282,641; Oct. 22; v. 255; p. 788.
Scientific Materials Company. (See Foote and Fisher, assignors.)
Scientific Products Company. (See Frohe, Charles F., assignor.)
Scientific Products Company. (See Homan, John G., assignor.)
Sciford, Benjamin F., Eagle Butte, S. D. Apparatus for carrying submarine torpedoes. No. 1,257,747; Feb. 26; v. 247; p. 883.
Scism, John N., Brooklyn, N. Y. Junction-box coupling for electric conduits. No. 1,254,633; Jan. 22; v. 246; p. 1006.
Scofield, Esther, assignor of one-half to J. E. Fisher, Tipton, Ind. Colander. No. 1,267,466; May 28; v. 50; p. 804.
Scofield, Herman, and E. N. Dawson, Syracuse, N. Y. Vehicle running-gear. No. 1,267,467; May 28; v. 250; p. 804.
Scofield, Sherman W., and M. W. Muehlhauser, Cleveland, Ohio. Guard for abrading or cutting tools. No. 1,259,050; Mar. 12; v. 248; p. 359.
Scognamillo, Francis, New York, N. Y. Pneumatic-tire fender. No. 1,266,866; May 21; v. 250; p. 610.
Scognamillo, Rose B., New York, N. Y. Combination bust-supporter and shoulder-brace. No. 1,264,337; Apr. 30; v. 249; p. 1047.
Score, Louis. (See Ross and Score.)
Scotford, Louis K., Chicago, Ill. Sound-box adjustment for talking-machines. No. 1,251,828; Jan. 1; v. 246; p. 118.
Scotson-Clark, George F., New York, N. Y. Lace. No 1,282,129; Oct. 22; v. 255; p. 649.
Scott, Alfred A., Bradford, England. Motor-vehicle. No. 1,263,943; Apr. 23; v. 249; p. 907.
Scott, Allan R., Spokane, Wash. Road-signal. No. 1,287,464; Dec. 10; v. 257; p. 349.
Scott, Arthur. (See Decker and Scott.)
Scott, Arthur H., South Portland, assignor to National Khaki Watch Strap Company, Portland, Me. Wrist-watch strap. No. 1,275,769; Aug. 13; v. 253; p. 425.
Scott, Barton W. (See Macdonald and Scott.)
Scott, Bateman D., Sale, assignor to The Gresham Finance Corporation Limited, London, England. Valve-gear of radial-cylinder internal-combustion engines. No. 1,256,833; Feb. 19; v. 247; p. 579.
Scott, Charles D., Topeka, Kans. Automatic weighing-machine. No. 1,279,021; Sept. 17; v. 254; p. 512.
Scott, Charles H., Gloucester, England. Construction of punching and die plates for inlaid-linoleum machines. No. 1,260,820; Mar. 26; v. 248; p. 932.
Scott, Charles O., assignor to Scott Manufacturing Company, Toronto, Ontario, Canada. Talking-machine brake. No. 1,256,601; Feb. 19; v. 247; p. 512.
Scott, Clarence N., assignor to Producers Oil Company, Houston, Tex. Oil-well screen. No. 1,272,540; July 16; v. 252; p. 560.
Scott, Clinton A., and A. G. Hug, assignors, by mesne assignments, to National Manufacturing and Specialty Company, Chicago, Ill. Razor-blade sharpener. No. 1,252,367; Jan. 1; v. 246; p. 266.
Scott, D. W., *et al.* (See Hifner, Ernest J., assignor.)
Scott, David J., *et al.*, executors. (See Drange, Carl E., assignor.)
Scott, David J., *et al.*, executors. (See Scott, David J. and W. C., assignors.)
Scott, David J., *et al*, executors. (See Scott, Walter C., assignor.)
Scott, David J., *et al.*, executors. (See Scott and Drange, assignors.)
Scott, David J., assignor to I. and D. J. Scott, executors. Offset perfecting-press. No. 1,272,128; July 9; v. 252; p. 420.
Scott, David J., Plainfield, N. J., assignor to I. Scott and D. J. Scott, executors. Offset perfecting-press. No. 1,273,004; July 16; v. 252; p. 693.
Scott, David J., Plainfield, N. J., assignor to I. Scott and D. J. Scott, executors. Offset perfecting-press. No. 1,273,544; July 23; v. 252; p. 862.
Scott, David J., Plainfield, N. J., assignor to I. and D. J. Scott, executors. Offset perfecting-press. No. 1,282,642; Oct. 22; v. 255; p. 788.
Scott, David J., Plainfield, N. J., assignor to I. and D. J. Scott, executors. Offset perfecting-machine. No. 1,283,328; Oct. 29; v. 255; p. 1000.
Scott, David J., Plainfield, N. J., assignor to I. Scott and D. J. Scott, executors. Web-perfecting machine. No. 1,284,475; Nov. 12; v. 256; p. 300.
Scott, David J. and W. C., Plainfield, N. J., assignors to I. and D. J. Scott, executors. Blanket-cylinder. No. 1,257,538; Feb. 26; v. 247; p. 821.
Scott, David J., and C. E. Drange, assignors to I. and D. J. Scott, executors of W. Scott, Plainfield, N. J. Bed-motion for printing-machines. No. 1,269,865; June 18; v. 251; p. 553.
Scott, Delbert, St. Louis, Mo. Lunch-bucket. No. 1,258,152; Mar. 5; v. 248; p. 59.
Scott, Emily M. (See Green and Scott.)
Scott, Field, *et al.* (See Crippen, Henry M., assignor.)
Scott, Flave J., Marshalltown, Iowa. Oil-burner. No. 1,287,465; Dec. 10; v. 257; p. 349.
Scott, Fletcher J., Hurdland, Mo. Saw. No. 1,276,579; Aug. 20; v. 253; p. 681.
Scott, Frank V., Elizabeth City, N. C. Pea-harvester. No. 1,270,448; June 25; v. 251; p. 735.
Scott, Frederick C., Detroit, Mich. Hose-clamp. No. 1,272,541; July 16; v. 252; p. 560.
Scott, Frederick H., Louisville, Ky. Combination vise and cutter. No. 1,279,022; Sept. 17; v. 254; p. 513.
Scott, George M. and H. H., Chicago, Ill. Automobile-lock and ignition-system tester. No. 1,262,704; Apr. 16; v. 249; p. 541.
Scott, George W., San Francisco, Cal. School furniture. No. 1,280,874; Oct. 8; v. 255; p. 237.
Scott, Harry T., Los Angeles, Cal. Record-ejector for record-cabinets. No. 1,288,229; Dec. 17; v. 257; p. 571.
Scott, Henry L., Providence, R. I. Clamp. No. 1,255,936; Feb. 12; v. 247; p. 278.
Scott, Henry L., Providence, R. I. Clamp. No. 1,282,643; Oct. 22; v. 255; p. 788.
Scott, Henry L., Providence, R. I. Testing-machine. No. 1,282,644; Oct. 22; v. 255; p. 788.
Scott, Herbert A., Saltsburg, Pa. Electric control for generators. No. 1,276,578; Aug. 20; v. 253; p. 681.
Scott, Herbert H. (See Scott, George M. and H. H.)
Scott, Isabella, *et al.*, executors. (See Drange, Carl E., assignor.)
Scott, Isabella, *et al.*, executors. (See Scott, David J., assignor.)
Scott, Isabella, *et al.*, executors. (See Scott, David J. and W. C., assignors.)
Scott, Isabella, *et al.*, executors. (See Scott and Drange, assignors.)
Scott, Isabella, *et al.*, executors. (See Scott, Walter C., assignor.)
Scott, J. Walter. (See Vawter, Jamieson S., assignor.)
Scott, Jacob R., North Weymouth, assignor of two-tenths to E. H. Kavanagh and two-tenths to J. W. Colgan, Weymouth, Mass. Air-heater for internal-combustion engines. No. 1,276,124; Aug. 20; v. 253; p. 554.

Scott, James C., Adrian, Mich. Length-cutting machine for knit goods. No. 1,278,230; Sept. 10; v. 254; p. 269.
Scott, James F. and R. F., New York, N. Y. Internal-combustion engine. No. 1,256,382; Feb. 12; v. 247; p. 413.
Scott, James R. (See Permar, Ray, assignor.)
Scott, Jasper, Charleston, W. Va. Brake for cars. No. 1,254,440; Jan. 22; v. 246; p. 957.
Scott, Jesse A., Oakland, and C. Christensen, San Francisco, Cal.; said Christensen assignor to said Scott, Spare-rim carrier and contractor. No. 1,258,474; Mar. 5; v. 248; p. 152.
Scott, John A., Oklahoma, Okla. Grain-saving device for threshing-machines. No. 1,275,770; Aug. 13; v. 253; p. 425.
Scott, John D., New York, N. Y. Stereopticon-slide. No. 1,273,190; July 23; v. 252; p. 769.
Scott, John D., and E. C. Van Altena, New York, N. Y., assignor, by mesne assignments, to Scott and Van Altena, Incorporated. Motion-picture apparatus. No. 1,262,105; Apr. 9; v. 249; p. 343.
Scott, John D., and E. C. Van Altena, assignors to Attractoscope Corporation, New York, N. Y. Picture-slide-display apparatus. No. 1,282,298; Oct. 22; v. 255; p. 694.
Scott, John E., Marblehead, assignor of one-half to T. C. Rowen, Swampscott, Mass. Shoe and making same. No. 1,260,945; Mar. 26; v. 248; p. 965.
Scott, John H. (See Myers, Melvin A., assignor.)
Scott, John H., Portland, Oreg. Automobile-seat. No. 1,253,432; Jan. 15; v. 246; p. 644.
Scott, John L., Latta, S. C. Plow. No. 1,278,031; Sept. 3; v. 254; p. 190.
Scott, Josiah, Toledo, Ohio. Door-check. No. 1,273,937; July 30; v. 252; p. 1009.
Scott, Lester F., Jr., Los Angeles, Cal. Sign. No. 1,270,883; July 2; v. 252; p. 37.
Scott Manufacturing Company. (See Scott, Charles O., assignor.)
Scott, Ozbert M., Seattle, Wash. Race-knife. No. 1,265,532; May 7; v. 250; p. 180.
Scott Paper Company. (See Parsons, Philip D., assignor.)
Scott, Ralph G., Miller, Nebr. Grain-elevator. No. 1,284,476; Nov. 12; v. 256; p. 301.
Scott, Ray B., Waterbury, Conn. Faucet. No. 1,284,154; Nov. 5; v. 256; p. 189.
Scott, Ray W., Harmon, N. Y. Pedal mechanism. No. 1,288,697; Dec. 24; v. 257; p. 713.
Scott, Raymond W., and C. C. Cook, Seattle, Wash. Guiding apparatus for vehicles. No. 1,276,422; Aug. 20; v. 253; p. 638.
Scott, Robert A., assignor to The Peerless Knitting Mills Company, Boston, Mass. Underwear. No. 1,274,354; July 30; v. 252; p. 1122.
Scott, Robert F. (See Scott, James F. and R. F.)
Scott, Robert P., Cadiz, Ohio. Green-pea-vine hulling machine. No. 1,263,130; Apr. 16; v. 249; p. 664.
Scott, Robert W., Leeds Point, N. J., assignor to Scott & Williams, Incorporated. Knitting-machine. No. 1,251,586; Jan. 1; v. 246; p. 42.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Yarn-feeding device for knitting-machines. No. 1,256,062; Feb. 12; v. 247; p. 315.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Stocking and making the same. No. 1,256,834; Feb. 19; v. 247; p. 579.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Knit fabric having thickened wales. No. 1,267,126; May 21; v. 250; p. 685.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Fabric having thickened mock seams. No. 1,267,127; May 21; v. 250; p. 685.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Stop-motion device. No. 1,270,063; June 18; v. 251; p. 604.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Defective-needle alarm for knitting-machines. No. 1,270,064; June 18; v. 251; p. 604.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Circular-knitting machine. No. 1,272,865; July 16; v. 252; p. 655.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Yarn-severing mechanism for knitting-machines. No. 1,274,338; July 30; v. 252; p. 1119.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams. Machine for knitting welted and other fabrics. No. 1,282,958; Oct. 29; v. 255; p. 903.
Scott, Rumsey W. (See Dittman and Baggott, assignors.)
Scott, S. C., *et al.* (See Sartain, Louis M., assignor.)
Scott-Snell, Charles, Ridgway, Wimbledon, assignor of one-half to Sibleys Limited, London, England. Apparatus for compressing gas or air. No. 1,270,447; June 25; v. 251; p. 735.
Scott, Thomas. (See Knowlton and Scott.)
Scott, Thomas F., Patterson, La. Tailor's measure. No. 1,265,122; May 7; v. 250; p. 71.
Scott, Valentine G., *et al.* (See Girvin, Charles W., assignor.)
Scott, Walter, Sheridan, Wyo. Universal joint. No. 1,261,962; Apr. 9; v. 249; p. 305.
Scott, Walter, Sheridan, Wyo. Universal joint. No. 1,277,491; Sept. 3; v. 254; p. 44.
Scott, Walter A., Chicago, Ill. Concentration process. No. 1,261,303; Apr. 2; v. 249; p. 88.
Scott, Walter A., Chicago, Ill., assignor to Minerals Separation North American Corporation. Ore concentration. No. 1,276,974; Aug. 27; v. 253; p. 823.
Scott, Walter C. (See Scott, David J. and W. C.)
Scott, Walter C., assignor to I. Scott and D. J. Scott, executors, Plainfield, N. J. Reciprocating bed for printing-machines. No. 1,258,949; Mar. 12; v. 248; p. 329.
Scott, Walter C., Plainfield, N. J., assignor to I. Scott and D. J. Scott, executors. Plate-printing machine. No. 1,268,165; June 4; v. 251; p. 27.
Scott, Walter E., North Battleford, Saskatchewan, Canada. Train-stop. No. 1,255,471; Feb. 5; v. 247; p. 103.
Scott, William, Medford, Mass. Carbureter. No. 1,270,558; June 25; v. 251; p. 766.
Scott, William A., San Francisco, Cal. Combination-lock. No. 1,278,032; Sept. 3; v. 254; p. 191.
Scott, William C. H., London, and W. Robins, Dartford, England, Rotary-valve internal-combustion engine. No. 1,253,538; Jan. 15; v. 246; p. 672.
Scott, William H., *et al.* (See Rovensky, Frank G., assignor.)
Scott, William H., Jr., assignor to Susquehanna Silk Mills, New York, N. Y. Making fabric. No. 1,275,771; Aug. 13; v. 253; p. 425.
Scott, William M., *et al.* (See Parker, Glover O., assignor.)
Scott, William M., Tredyffrin township, Chester county, Pa. Electromagnetic apparatus. No. 1,283,329; Oct. 29; v. 255; p. 1000.
Scott, William R. (See Lewis, Scott, and Dell.)
Scott & Williams. (See Appleton, Frank, assignor.)
Scott & Williams. (See Scott, Robert W., assignor.)
Scovill Manufacturing Company. (See Simons, Ernst D., assignor.)
Scoville, Eugene M., Dade City, Fla., assignor to Scoville Pump Valve Company, Chicago, Ill. Valve. (Reissue.) No. 14,423; Jan. 22; v. 246; p. 1008.
Scoville, Eugene M., Dade City, Fla., assignor to Scoville Pump Valve Company, Chicago, Ill. Valve. (Reissue.) No. 14,424; Jan. 22; v. 246; p. 1009.
Scoville, Frank F., Schenectady, N. Y. Ball-joint. No. 1,266,061; May 14; v. 250; p. 357.
Scoville, Frank F., Schenectady, N. Y. Locomotive-engine. No. 1,275,612; Aug. 13; v. 253; p. 380.
Scoville Pump Valve Company. (See Scoville, Eugene M., assignor.) (Reissue.)
Scrace, Edward M., *et al.* (See Holmes and Hawley, assignors.)
Scrannage, Lawrence E., Medford, and G. P. Gregory, assignors to The Boston Auto Gage Company, Boston, Mass. Gage. No. 1,278,512; Sept. 10; v. 254; p. 344.
Screw Machine Products Corporation. (See Stevens, Alton E., assignor.)
Scribner, Charles E., Jericho, Vt., assignor, by mesne assignments, to Western Electric Company, Incorporated. Synchronizing system. No. 1,276,580; Aug. 20; v. 253; p. 682.
Scribner, Charles E., Jericho, Vt., assignor by mesne assignments, to Western Electric Company, Incorporated. Synchronizing system. No. 1,276,581; Aug. 20; v. 230; p. 682.
Scribner, Thomas B., Orland, Cal. Window-curtain holder. No. 1,255,472; Feb. 5; v. 247; p. 104.
Scrimgeour, Mary A., Lewiston, Me. Radiator attachment. No. 1,274,791; Aug. 6; v. 253; p. 128.
Scriver, George, Creemore, assignor to W. T. Muller, Collingwood, Ontario, Canada. Air-pump. No. 1,271,232; July 2; v. 252; p. 136.
Scrocco, Michele, New York, N. Y. Vehicle-tire. No. 1,285,419; Nov. 19; vol. 256; p. 577.
Scroggin, Jethro W., Corpus Christi, Tex. Surgical and bathing apparatus. No. 1,263,611; Apr. 23; v. 249; p. 816.
Scroggins, James A., assignor of one-half to J. S. Losey, Springfield, Mo. Springless door-lock. No. 1,266,332; May 14; v. 250; p. 432.
Scruggs, Loyd, assignor to Copper-Clad Malleable Range Company, St. Louis, Mo. Water-reservoir for ranges. No. 1,287,466; Dec. 10; v. 257; p. 350.
Scudder, Ephraim. (See Corlew, Scudder, and Carleton.)
Scull, James P., assignor to Whitall-Tatum Company, Millville, N. J. Bottle-blowing machine. No. 1,285,420; Nov. 19; vol. 256; p. 578.
Scullin, Terance. (See Kirby and Scullin.)
Scully, Jessie B., Kansas City, Mo. Vacuum hand-brush. No. 1,267,282; May 21; v. 250; p. 726.
Scully Jones & Company. (See Foote, Robert E., assignor.)
Scully, William, trustee. (See Schwarz, Alfred, assignor.)

Alphabetical list of patentees—Continued.

Scusa, Lino, Syracuse, N. Y. Caliper-gage. No. 1,277,648; Sept. 3; v. 254; p. 88.
Scusa, Lino, assignor to L. Scusa Machine & Tool Co., Rochester, N. Y. Gage. No. 1,279,919; Sept. 24; v. 254; p. 786.
Sea Products Company. (See Judson and Lowman, assignors.)
Sea Products Company. (See Lowman, Herbert A., assignor.)
Seabolt, Frank E., Suplee, Pa. Wrench. No. 1,288,230; Dec. 17; v. 257; p. 571.
Seabright Co. (See Wright, Wilbur L., assignor.)
Seabrook, William H., Jr., Savannah, Ga. Eyeglasses. No. 1,260,073; Mar. 19; v. 248; p. 684.
Seacord, Emily A., Galesburg, Ill. Eaves-trough protector. No. 1,251,929; Jan. 1; v. 246; p. 144.
Seacrist, Elwood E., Meadville, Pa. Apparatus for reclaiming metals from waste. No. 1,253,539; Jan. 15; v. 246; p. 673.
Seagull, Henry, and O. H. Wechsler, New York, N. Y. Movable-eye doll. No. 1,274,339; July 30; v. 252; p. 1119.
Seaholm, John P. (See Melvin and Seaholm.)
Sealy, Ester M., Honolulu, Hawaii. Calipers. No. 1,274,460; Aug. 6; v. 253; p. 34.
Seaman, Arthur H., assignor of one-half to H. P. Vogt, Seattle, Wash. Carbureter. No. 1,287,467; Dec. 10; v. 257; p. 350.
Seaman, Lloyd M., Stoneharbor, N. J. Concrete construction. No. 1,274,946; Aug. 6; v. 253; p. 172.
Seamless Products Corporation. (See Pruyn, Frederic, assignor.)
Seamon, Albert H., Crockett, Tex. Cotton-chopper. No. 1,252,958; Jan. 8; v. 246; p. 472.
Searfoss, Lawrence P. (See Bowes and Searfoss.)
Seargeant, Percy H., Abergavenny, England. Carrier-bag. No. 1,278,810; Sept. 10; v. 254; p. 425.
Searle, Frederick H., assignor to himself, R. P. Searle, Toledo, Ohio, and H. A. Searle, Council Bluffs, Iowa. Grease-container. No. 1,265,533; May 7; v. 250; p. 180.
Searle, Henry A., *et al.* (See Searle, Frederick H., assignor.)
Searle, Robinson P., *et al.* (See Searle, Frederick H., assignor.)
Searles, Frank H. (See Woods, William J., assignor.)
Searles, Herbert N., New York, N. Y. Rotary fan. No. 1,271,622; July 9; v. 252; p. 276.
Searles, Wayne S., Newark, N. J. Attachment for operating electric-light switches. No. 1,289,557; Dec. 31; v. 257; p. 947.
Searles, Wayne S., assignor to New Jersey Optical Co., Newark, N. J. Spectacle-frame. No. 1,284,935; Nov. 12; v. 256; p. 416.
Searls Manufacturing Company. (See Linnett, Edgar B., assignor.)
Sears, Archie K., Eagle Rock, Cal. Multiple staff-holder. No. 1,264,446; Apr. 30; v. 249; p. 1080.
Sears, George H., assignor, by mesne assignments, of one-half to C. J. Pembroke and one-half to F. Keiper, Rochester, N. Y. Press-guard. No. 1,274,612; Aug. 6; v. 253; p. 78.
Sears, Henry E., New York, N. Y. Pipe-joint. No. 1,282,959; Oct. 29; v. 255; p. 904.
Sears, Joseph E., Custer, Okla. Scraper. No. 1,265,394; May 7; v. 250; p. 143.
Sears, Roebuck and Company. (See Bohmker, John C., assignor.)
Sears, Roebuck and Company. (See Bohmker and Geistwhite, assignors.)
Sears, Roebuck & Company. (See Drake, James C., assignor.)
Sears, Roebuck and Company. (See Dun Lany, William P., assignor.)
Sears, Roebuck and Company. (See Hoffman, Rudolph, assignor.)
Sears, Roebuck and Company. (See Palmer, Clinton D., assignor.)
Sears, Roebuck and Company. (See Waring, Stewart, assignor.)
Sears, Russell A., Quincy, Mass. Apparatus for washing and cooking. No. 1,266,167; May 14; v. 250; p. 388.
Sears, Walter C., assignor of one-half to E. Schaller, Indianapalis, Ind. Ice-cream-pail filler. No. 1,253,731; Jan. 15; v. 246; p. 729.
Sears, Willard T., Philadelphia, Pa. Shock-absorber. No. 1,281,079; Oct. 8; v. 255; p. 291.
Seaton, Benjamin C., Nashville, Tenn. Vehicle-body support. No. 1,275,097; Aug. 6; v. 253; p. 213.
Seavey, Eugene, New York, N. Y. Belt-fastener. No. 1,275,772; Aug. 13; v. 253; p. 425.
Seay, Thomas A., Cookville, Tex. Railway cattle-gate. No. 1,255,801; Feb. 5; v. 247; p. 199.
Sebald, Joseph H., Easton, Pa. Valve. No. 1,279,920; Sept. 24; v. 254; p. 786.
Sebastian, John R., *et al.* (See Metcalfe, Isaiah, assignor.)
Sebenius, John A., Shelton, Wash. Button. No. 1,266,867; May 21; v. 250; p. 610.
Sebré, Hélène, Brooklyn, N. Y. Clothes-pin. No. 1,265,260; May 7; v. 250; p. 107.
Sebree, Charles H. (See Berlin and Sebree.)
Sebring, Bert A., Arvada, Colo. Motor-vehicle signaling device. No. 1,268,287; June 4; v. 251; p. 62.
Sebring, Bert A., Pueblo, Colo. Blade-sharpening device. No. 1,271,953; July 9; v. 252; p. 368.
Sebring, Charles L. (See Kinnard, Frank M., assignor.)
Sebring, Frank A., and F. Strobl, Sebring, Ohio. Potter's scrapping device. No. 1,260,074; Mar. 19; v. 248; p. 684.
Sebring, Fred E., and H. E. Murphy, Sebring, Ohio. Safety-deposit box for home use. No. 1,263,712; Apr. 23; v. 249; p. 842.
Sebring, James A., assignor to The Bishop-Babcock-Becker Company, Cleveland, Ohio. Soda-water fountain. No. 1,283,330; Oct. 29; v. 255; p. 1001.
Sebring, Theosis C., Pueblo, Colo. Refuse and low-grade-fuel burning apparatus. No. 1,252,041; Jan. 1; v. 246; p. 176.
Sechler and Company, The. (See Knapp, Jacob, assignor.)
Sechrist, Edward L., Washington, D. C. Septum or base for honeycombs. No. 1,282,645; Oct. 22; v. 255; p. 789.
Seckinger, Marc, Montbéliard, France. Safety-lock. No. 1,261,060; Apr. 2; v. 249; p. 20.
Secor, John A., Laporte, Ind. Internal-combustion engine. No. 1,269,007; June 11; v. 251; p. 282.
Secret Telegraph Co. (See Delany, Patrick B., assignor.)
Sedaj, John, Kenosha, Wis. Folding table. No. 1,269,008; June 11; v. 251; p. 283.
Sedelbauer, William J., Toledo, Ohio. Grain-drier. No. 1,282,960; Oct. 29; v. 255; p. 904.
Sedgley, Reginald F., Philadelphia, Pa. Wrench. No. 1,289,558; Dec. 31; v. 257; p. 947.
Sedlacek, Frank W., Barnes, Kans. Luggage-carrier for automobiles. No. 1,288,698; Dec. 24; v. 257; p. 713.
Sedlacek, John E., Howells, Nebr. Draft-equalizer. No. 1,274,089; July 30; v. 252; p. 1051.
Sedlak, John P., Jr., Winburne, Pa. Game. No. 1,275,613; Aug. 13; v. 253; p. 380.
Sedlin, John, Chicago, Ill. Means for severing sheet metal. No. 1,252,727; Jan. 8; v. 246; p. 406.
See, Alonzo B. (See Lindstrom, Nils O., assignor.)
See, James W., Hamilton, Ohio. Signal for street intersections. No. 1,268,288; June 4; v. 251; p. 62.
Seeck, Ferdinand W., Lebanon, Oreg. Differential mechanism. No. 1,278,231; Sept. 10; v. 254; p. 270.
Seede, John A., Schenectady, N. Y., assignor to General Electric Company. Electric furnace control apparatus. No. 1,253,732; Jan. 15; v. 246; p. 729.
Seede, John A., Schenectady, N. Y., assignor to General Electric Company. Welding system. No. 1,289,932; Dec. 31; v. 257; p. 1039.
Seede, John A., Niskayuna, N. Y., assignor to General Electric Company. Arc-welding. No. 1,262,396; Apr. 9; v. 249; p. 426.
Seeger, August C., East St. Louis, Ill., assignor of one-sixth to R. E. Conway, St. Louis, Mo., one-sixth to A. F. Seeger, Jr., and one-sixth to S. B. Morse, East St. Louis, Ill. Compression grease-cup. No. 1,256,269; Feb. 12; v. 247; p. 378.
Seeger, August F., Jr., *et al.* (See Seeger, August C., assignor.)
Seeger, Robert, St. Louis, Mo., assignor to New Process Oil Company. Apparatus for the treatment of hydrocarbon oils. No. 1,259,786; Mar. 19; v. 248; p. 598.
Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Plastic composition and making same. No. 1,281,080; Oct. 8; v. 255; p. 292.
Seeley, Ada R., administratrix. (See Seeley, James E.)
Seeley, Alfred, Rochdale, England. Apparatus for attaching yarn to spindles. No. 1,274,792; Aug. 6; v. 253; p. 128.
Seeley, James E., deceased, Los Angeles, Cal.; A. R. Seeley, administratrix. Method and apparatus for producing high-tension unidirectional discharge. No. 1,281,673; Oct. 15; v. 255; p. 484.
Seely, E. S., *et al.* (See McElroy, John F., assignor.)
Seely, Thomas H., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Wax-thread shoe-sewing machine. No. 1,253,635; Jan. 15; v. 246; p. 700.
Seely, Thomas H., Malden, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting-machine. No. 1,278,232; Sept. 10; v. 254; p. 270.
Seely, Thomas H., Malden, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Controlling mechanism for tacking-machines. No. 1,278,233; Sept. 10; v. 254; p. 271.
Seely, Thomas H., Malden, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Leveling-machine. No. 1,280,875; Oct. 8; v. 255; p. 237.
Seely, William H., Pinson, Ala. Hydraulic pump. No. 1,255,055; Jan. 29; v. 246; p. 1158.
Seelye, Raymond W., Brainerd, Minn. Automobile-spring oiler. No. 1,277,649; Sept. 3; v. 254; p. 89.
Seelye Tool Company. (See Seelye, William E., assignor.)
Seelye, William E., assignor to Seelye Tool Company, Duluth, Minn. Detachable tool and handle. No. 1,263,131; Apr. 16; v. 249; p. 664.
Seeman, Charles, Pittsburgh, Pa. Billiard-cue. No. 1,280,876; Oct. 8; v. 255; p. 238.

Seeman, John J., *et al.* (See Blumenberg, Henry, Jr., assignor.)
Seemann, John, Gladbrook, Iowa. Transmission mechanism. No. 1,267,001; May 21; v. 250; p. 649.
Seers, William C., and F. W. New, Los Angeles, Cal. Davit structure. No. 1,289,933; Dec. 31; v. 257; p. 1040.
Seewer, Paul W., Geneva, Switzerland. Device for governing water-wheels. No. 1,282,470; Oct. 22; v. 255; p. 741.
Sefcsik, Louis, Cleveland, Ohio. Ship-protector. No. 1,263,811; Apr. 23; v. 249; p. 869.
Seffens, Hiram W., Aberdeen, S. D. Battery-terminal remover. No. 1,272,129; July 9; v. 252; p. 421.
Sefton Manufacturing Corporation. (See Craig, Porter J., assignor.)
Sefton Manufacturing Corporation. (See Twomley and Wright, assignors.)
Segall, Henry, New York, N. Y. Symbol or letter. No. 1,259,787; Mar. 19; v. 248; p. 599.
Segay, Adolphe, Ware, England. Explosive. No. 1,280,563; Oct. 1; v. 255; p. 125.
Segel, Michael, New York, N. Y. Lighting apparatus for motion-picture machines. No. 1,255,344; Feb. 5; v. 247; p. 66.
Segel, Michael, New York, assignor to E. M. Uebelmesser, Bayside, N. Y. Auxiliary-film-feed mechanism. No. 1,252,042; Jan. 1; v. 246; p. 177.
Segel, Michael, New York, assignor to E. M. Uebelmesser, Bayside, N. Y. Compensating feed for moving-picture machines. No. 1,271,623; July 9; v. 252; p. 276.
Seghers, Emiel P., Chicago, assignor to H. B. Wilson, Champaign, Ill. Spring broom-handle. No. 1,289,010; Dec. 24; v. 257; p. 787.
Seglem, Thorwald R., Duluth, Minn. Vacuum-cup support. No. 1,288,231; Dec. 17; v. 257; p. 572.
Segre, Mario, Vercelli, Italy. Manufacture of articles of horny material. No. 1,258,475; Mar. 5; v. 248; p. 152.
Seguin, Louis L. A., assignor to Société des Moteurs Gnome, Paris, France. Four-cycle explosion-engine. No. 1,267,128; May 21; v. 250; p. 685.
Sehnert, Edward. (See Fairbank, Silas F., assignor.)
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,259,677; Mar. 19; v. 248; p. 566.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,261,304; Apr. 2; v. 249; p. 89.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,271,780; July 9; v. 252; p. 319.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,273,545; July 23; v. 252; p. 862.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,277,492; Sept. 3; v. 254; p. 45.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,279,921; Sept. 24; v. 254; p. 787.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,289,934; Dec. 31; v. 257; p. 1040.
Seibel, Henry, Los Angeles, Cal., assignor to United Air Spring Company of Arizona, Phoenix, Ariz. Pneumatic seat. No. 1,288,445; Dec. 17; v. 257; p. 621.
Seibel, Henry, Los Angeles, Cal., assignor to United Air Spring Company of Arizona, Phoenix, Ariz. Pneumatic seat. No. 1,288,446; Dec. 17; v. 257; p. 622.
Seibel, Henry, Los Angeles, Cal., assignor to United Air Spring Company of Arizona, Phoenix, Ariz. Pneumatic support. No. 1,288,447; Dec. 17; v. 257; p. 622.
Seiber, F. H., *et al.* (See Valdes, Salvador M., assignor.)
Seiber, Harvey W., New Philadelphia, Ohio. Railway-tie and fastener. No. 1,282,299; Oct. 22; v. 255; p. 695.
Seiberling, John F., Akron, Ohio. Paving-machine. No. 1,276,817; Aug. 27; v. 253; p. 782.
Seibert, Albert E., Carson City, Mich. Extension-step for railway-cars and the like. No. 1,280,562; Oct. 1; v. 255; p. 124.
Seibert, August, New York, N. Y. Spine-protector. No. 1,267,598; May 28; v. 250; p. 841.
Seibert, Daniel J., Winnipeg, Manitoba, Canada. Refrigerator. No. 1,254,367; Jan. 22; v. 246; p. 930.
Seibert, Elmore H., New York, N. Y. Insect-exterminator. No. 1,259,911; Mar. 19; v. 248; p. 636.
Seibt, George, Schöneberg, near Berlin, Germany, assignor to General Transmission Company, New York, N. Y. Quench-spark gap. No. 1,256,270; Feb. 12; v. 247; p. 378.
Seidel, Bruno W. (See Hamm and Seidel.)
Seidel, Carlos M., Habana, Cuba. Differential magnetic speed-changing transmission mechanism. No. 1,289,935; Dec. 31; v. 257; p. 1040.
Seidel, Gotthelf M., Easthampton, Mass. Bottle-cap. No. 1,259,143; Mar. 12; v. 248; p. 386.
Seidel, William, Chicago, Ill. Wheel. No. 1,289,936; Dec. 31; v. 257; p. 1040.
Seidenbecker, Grover F., assignor of one-half to E. R. Frech, Chicago, Ill. Spring suspension for motor-vehicles and the like. No. 1,259,912; Mar. 19; v. 248; p. 636.
Seidenberg & Co. (See Schneider, Anthony, assignor.)
Seiders, Irwin A., Reading, Pa. Journal-box lid. No. 1,260,719; Mar. 26; v. 248; p. 904.
Seiders, Irwin A., Reading, Pa. Cylinder-cock. No. 1,267,002; May 21; v. 250; p. 649.
Seiders, Irwin A., assignor of one-half to himself and one-half to A. T. Dice, Jr., Reading, Pa. Locomotive. No. 1,269,322; June 11; v. 251; p. 372.
Seidl, Rudolf. (See Bunkley, Joel W., assignor.)
Seidler, George M., assignor of one-half to G. A. Hagner, Hartford, Conn. Pillow. No. 1,285,421; Nov. 19; v. 256; p. 578.
Seifert, Erich R., assignor to The Seifert Special Machinery Company, Hartford, Conn. Bobbin-winding machine. No. 1,267,913; May 28; v. 250; p. 930.
Seifert, John O. (See Gibbs and Seifert.)
Seifert Special Machinery Company, The. (See Seifert, Erich R., assignor.)
Seifried, John F., (See Arndt, Joseph M., assignor.)
Seiler, Oscar F., Lockland, Ohio. Oil-can attachment. No. 1,278,764; Sept. 10; v. 254; p. 412.
Seilkop, William F., Cincinnati, Ohio. Pressure-burner. No. 1,264,983; May 7; v. 250; p. 30.
Seils, Albert P., Rochester, N. Y. Toy railway. No. 1,284,477; Nov. 12; v. 256; p. 301.
Selm, August, assignor to Missouri Lamp and Manufacturing Company, St. Louis, Mo. Electric-light fixture. No. 1,251,699; Jan. 1; v. 246; p. 77.
Seipp, Henry C., Pittsburgh, Pa. Sidewalk-light and other like constructions. No. 1,265,395; May 7; v. 250; p. 144.
Seipp, Henry C., Pittsburgh, Pa. Heater. No. 1,279,455; Sept. 17; v. 254; p. 628.
Seiter, Christian, Columbus, Ohio. Post-hole digger. No. 1,261,859; Apr. 9; v. 249; p. 277.
Seitz, Frederick A., Newark, N. J. Internal-combustion engine. No. 1,283,331; Oct. 29; v. 255; p. 1001.
Seitz, Georg H., and F. Schmitthenner, assignors to Seitz-Werke Theo. & Geo. Seitz, Kreuznach a. d. Vahe, Germany. Filter-body. No. 1,256,171; Feb. 12; v. 246; p. 349.
Seitz, Horace G., *et al.* (See Girvin, Charles W., assignor.)
Seitz, Ray F., Portsmouth, Ohio. Alternating-current rectifier. No. 1,260,463; Mar. 26; v. 248; p. 827.
Seitz, Walter C., Bellville, Ohio. Cultivator attachment. No. 1,259,301; Mar. 12; v. 248; p. 428.
Seitz-Werke Theo. & Geo. Seitz. (See Seitz and Schmitthenner, assignors.)
Seitz, William, Anderson, Ind. Funnel-cap for automobile-radiators. No. 1,274,947; Aug. 6; v. 253; p. 172.
Seitz, William C., Glen Rock, Pa. Syringe. No. 1,263,474; Apr. 23; v. 249; p. 779.
Sejnoha, Richard, Wolsey, S. D. Machine for sealing bread-wrappers and the like. No. 1,269,866; June 18; v. 251; p. 553.
Sejnoha, Richard, Wolsey, S. D. Machine for sealing bread-wrappers or the like. No. 1,286,804; Dec. 3; v. 257; p. 147.
Sekinger, John G., Ford City, assignor to The Pittsburgh Plate Glass Company, Pittsburgh, Pa. Magnetic separator. No. 1,259,788; Mar. 19; v. 248; p. 599.
Selah, Howard A., assignor to Standard Metal Manufacturing Company, Newark, N. J. Alternating-current rectifier. No. 1,256,063; Feb. 12; v. 247; p. 315.
Selah, Howard A., Newark, N. J., assignor, by mesne assignments, to Eclipse Phonograph Corporation. Electric motor for talking-machines. No. 1,266,062; May 14; v. 250; p. 358.
Selbert, Henry C., Buffalo, N. Y. Non-refillable bottle. No. 1,279,023; Sept. 17; v. 254; p. 513.
Selby, Felix, Chicago, Ill. Tool-holder. No. 1,258,950; Mar. 12; v. 248; p. 329.
Selden, Edward P., Erie, Pa. Furnace. No. 1,259,913; Mar. 19; v. 248; p. 637.
Selectasine System. (See Beck, Owens, and Steinman, assignors.)
Seley, Charles C., assignor to G. H. Barlow and J. J. Desmond, Corry, Pa. Wire-bending machine. No. 1,257,748; Feb. 26; v. 247; p. 883.
Self, Luther B., Aberdeen, Wash. Stool. No. 1,288,699; Dec. 24; v. 257; p. 713.
Self, Luther B., Aberdeen, Wash. Mail-transporting apparatus. No. 1,288,700; Dec. 24; v. 257; p. 713.
Self-Oiling Wheel & Bearing Co., The. (See Jones, John D., assignor.)
Self, William R., Newton, N. C. Device for ventilating hotels and office-buildings. No. 1,267,808; May 28; v. 250; p. 900.
Selfs, William H., and C. A. Hoy, assignors to Peerless Husker Company, Buffalo, N. Y. Machine for removing butt-ends of ears of corn. No. 1,281,082; Oct. 8; v. 255; p. 292.
Selig, John, Pickering, La. Plate-lifter. No. 1,255,056; Jan. 29; v. 246; p. 1158.
Selig, Moses. (See Gruber and Selig.)
Selig Polyscope Company, The. (See Selig, William N., assignor.)

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Selig, William N., assignor to The Selig Polyscope Company, Chicago, Ill. Moving-picture camera. No. 1,253,285; Jan. 15; v. 246; p. 598.
Selkirk, William M., North Belle Vernon, assignor to Pittsburgh Steel Products Company, Pittsburgh, Pa. Mandrel-manipulator. No. 1,254,441; Jan. 22; v. 246; p. 951.
Sell, Joseph, Rush Center, Kans. Heating means for incubators. No. 1,277,266; Aug. 27; v. 253; p. 901.
Sell, Otto R., Colorado Springs, Colo. Vehicle-head-lamp control. No. 1,278,033; Sept. 3; v. 254; p. 191.
Sellar, George A. (See Leland, Benjamin, and Sellar.)
Sellars, William S., Brooklyn, N. Y., assignor to American Can Company. Vacuum process for preserving and other purposes. No. 1,279,379; Sept. 17; v. 254; p. 609.
Sellers, Charles H., Gridley, Cal. Nut-lock. No. 1,288,701; Dec. 24; v. 257; p. 713.
Sellers, Harry H., Glendora, Cal. Hose-nozzle. No. 1,288,232; Dec. 17; v. 257; p. 572.
Sellers, John H. (See Gold, Joseph S., assignor.)
Sellin, Adolf, Stuttgart, Germany. Operating mechanism for valveless plunger-pumps. No. 1,277,650; Sept. 3; v. 254; p. 89.
Sellmeyer, Gilbert J., and L. H. Britton, Indianapolis, Ind. Talking-machine lighter. No. 1,260,821; Mar. 26; v. 248; p. 933.
Sellner, Herbert W., Faribault, Minn. Folding table. No. 1,262,272; Apr. 9; v. 249; p. 390.
Sellner, Herbert W., assignor to Ideal Lamp Manufacturing Company, Faribault, Minn. Toy vehicle. No. 1,282,003; Oct. 15; v. 255; p. 572.
Sells, William H., Buffalo, N. Y. Resilient wheel. No. 1,280,316; Oct. 1; v. 255; p. 56.
Sells, William H., Buffalo, N. Y. Butt-remover for corn-husking machines. No. 1,280,317; Oct. 1; v. 255; p. 57.
Sells, William H., Buffalo, N. Y. Corn-husking machine. No. 1,281,081; Oct. 8; v. 255; p. 292.
Selm, Gottlieb J., Seattle, Wash. Toy. No. 1,273,416; July 23; v. 252; p. 829.
Selstrom, Ivan F., Stockett, Mont. Hand-lever. No. 1,257,749; Feb. 26; v. 247; p. 884.
Seltenreich, John J., Chicago, Ill., assignor to National Chemical Co., Syracuse, N. Y. Collar-molding machine. No. 1,252,186; Jan. 1; v. 246; p. 217.
Seltenreich, John J., Chicago, Ill., assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Hinge. No. 1,259,144; Mar. 12; v. 248; p. 386.
Selvig, Gustaf A., Minneapolis, Minn. Butter-cutter. No. 1,288,702; Dec. 24; v. 257; p. 713.
Sem, Mathias, assignor to Det Norske Aktieselskab for elektrokemisk Industri, Norsk Industri-Hypotekbank, Christiania, Norway. Producing nitrogen compounds of metals. No. 1,256,935; Feb. 19; v. 247; p. 609.
Semans, Clare L., and E. C. Heiligman, Dallas, Tex. Military or similar insignia. No. 1,282,471; Oct. 22; v. 255; p. 741.
Semet-Solvay Company. (See Loomis, Chauncey C., assignor.)
Semet-Solvay Company. (See Parker, Richard B., assignor.)
Semet-Solvay Company. (See Royce, Howard W., assignor.)
Semet-Solvay Company. (See Sanford, Miller, and Torrey, assignors.)
Semet-Solvay Company. (See Tillinghast, Alexander R., assignor.)
Semotiuk, Ilia, assignor of one-sixth to F. Wakaliuk, Vegreville, Alberta, Canada. Antibalking device. No. 1,253,733; Jan. 15; v. 246; p. 729.
Sence, Victor, New York, N. Y. Wrist-watch fastening. No. 1,280,877; Oct. 8; v. 255; p. 238.
Sencenbaugh, Samuel S., Aurora, Ill. Carton. No. 1,254,163; Jan. 22; v. 246; p. 872.
Seneca Camera Manufacturing Company. (See Goddard, Joseph, assignor.)
Seneca Camera Manufacturing Company. (See Goddard and Hutchings, assignors.)
Seneca Falls Manufacturing Company, The. (See Runge, William H., assignor.)
Senf, Curt H. (See Müller, Wilhelm, assignor.)
Seng Company, The. (See Dyke, Darrell F., assignor.)
Seng Company, The. (See Seng, Julius T., assignor.)
Seng Company, The. (See Usievich, Solman, assignor.)
Seng Company, The. (See Weyer, Theodore G., assignor.)
Seng, Julius T., Chicago, Ill., assignor to The Seng Company. Latch for double doors. No. 1,263,812; Apr. 23; v. 249; p. 870.
Seng, Wendelin P., Chicago, Ill. Motor-vehicle control. No. 1,274,204; July 30; v. 252; p. 1083.
Senior, Oliver, Dewalt, Tex. Loading-machine. No. 1,282,300; Oct. 22; v. 255; p. 695.
Senoo, Isuke, *et al.* (See Kawakita, Yoshinac, assignor.)
Senseman, William B. (See Lachmann, Raymond, and Senseman.)
Senst, Albert H. (See Klees, William D., assignor.)
Sentinel Company, The. (See Malone, John F. J., assignor.)
Sentinel Mfg. Co., The. (See Phillips, Ross M. G., assignor.) (Reissue.)
Senz, Joseph A., Scio, Oreg. Post-hole digger. No. 1,286,805; Dec. 3; v. 257; p. 147.
Seppman, William E., Lake Crystal, Minn. Knee throttle-gear. No. 1,276,423; Aug. 20; v. 253; p. 639.
Sepulveda, Hipolito, *et al.* (See Workman, Peyton H., assignor.)
Serafin, Romano, Stafford Springs, Conn. Picker-stick. No. 1,279,024; Sept. 17; v. 254; p. 513.
Seraphin, Theophilus A., Philadelphia, Pa. Field-standard for testing liquid-measuring devices. No. 1,277,760; Sept. 3; v. 254; p. 120.
Sergeson, James C., Philadelphia, Pa. Loom-shuttle. No. 1,278,034; Sept. 3; v. 254; p. 191.
Sero, Cesidio, Carneyville, Wyo. Car-door. No. 1,277,651; Sept. 3; v. 254; p. 89.
Sertner Adjustable Service Legging Co. (See Sertner, Joseph, assignor.)
Sertner, Joseph, Brooklyn, assignor to Sertner Adjustable Service Legging Co., New York, N. Y. Means for adjusting the size of leggings. No. 1,265,261; May 7; v. v. 250; p. 107.
Servatius, Michael F., Chicago, Ill. Meat-curing machine. No. 1,271,490; July 2; v. 252; p. 205.
Serven, A. Ralph, trustee. (See Maxwell, George S., assignor.)
Sessions, Edson O., Chicago, Ill. Locking-switch. No. 1,286,806; Dec. 3; v. 257; p. 148.
Sessions, Edward, Bradley, Mich. Bean-harvester. No. 1,256,172; Feb. 12; v. 247; p. 349.
Sessions, Frank L., Lakewood, Ohio. Welding metal plates and the like. No. 1,278,234; Sept. 10; v. 254; p. 271.
Sessions, Frank L., Lakewood, Ohio. Carbureter. No. 1,285,422; Nov. 19; v. 256; p. 578.
Sessions, Frank L., Lakewood, Ohio. Knitting-needle. No. 1,286,125; Nov. 26; v. 256; p. 791.
Sessions, Frank L., Lakewood, assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Apparatus for electric welding. No. 1,287,774; Dec. 17; v. 257; p. 458.
Sessions, H. E. (See Hodo, Wesley A. J., assignor.)
Sessions, Hal R., Lake Village, Ark. Weight-registering attachment for scales. No. 1,282,646; Oct. 22; v. 255; p. 789.
Sessions, Hugh E., Columbia, S. C. Delinting cotton-seed hulls and recovering uncut seed. No. 1,253,894; Jan. 15; v. 246; p. 775.
Sessions, Hugh E., Columbia, S. C. Separating mechanism for linters. No. 1,276,975; Aug. 27; v. 253; p. 823.
Sesta, Joseph. (See Degavre and Sesta.)
Sestini, Quirino, and T. Rondelli, Bergamo, Italy. Bronzing or coloring of metallic surfaces. No. 1,277,761; Sept. 3; v. 254; p. 121.
Setchell, Frederick J. (See Barry, Cornelius J., assignor.)
Sether, Johan A., *et al.* (See Johannessen, Johan E., assignor.)
Sether, Johan A., *et al.* (See Johannessen and Waage, assignors.)
Settergren, Bernhard, assignor, by mesne assignments, to J. F. Gubbins, Chicago, Ill. Clutch device for automobiles and the like. No. 1,274,090; July 30; v. 252; p. 1051.
Seuberth, Victor A. (See Fry and Seuberth.)
Sevarese, Tito C., New York, N. Y. Necktie. No. 1,281,076; Oct. 8; v. 255; p. 291.
Severance, Thomas J., Ware, Mass. Lock. No. 1,259,302; Mar. 12; v. 248; p. 428.
Severance, Willie M., Lauderdale, Miss. Garment-hanger. No. 1,258,476; Mar. 5; v. 248; p. 152.
Severin, Fred J., Imperial, Cal. Capping melter and separator. No. 1,263,944; Apr. 23; v. 249; p. 908.
Severine, Ethel, Gresham, Nebr. Dressmaking-tool. No. 1,285,423; Nov. 19; v. 256; p. 578.
Severs, George F., Centerville, Iowa. Universal joint. No. 1,278,765; Sept. 10; v. 254; p. 412.
Severy, Melvin L., Arlington Heights, Mass., and G. B. Sinclair, Georgetown, Me. Coupler for musical instruments. No. 1,255,651; Feb. 5; v. 247; p. 156.
Sévigné, Henri A., Winthrop, Mass. Reshaped sheet-metal utensil and making the same. No. 1,255;237; Feb. 5; v. 247; p. 35.
Sévigné, Henri A., Winthrop, assignor of fifty-five one-hundredths to Carter Rice & Company, Boston, Mass. Hand-operated wrapping and sealing appliance. No. 1,259,303; Mar. 12; v. 248; p. 428.
Sevigne, Henri A., Winthrop, Mass., and F. K. Arnold, Nashua, N. H., assignors of forty-five one-hundredths to said Sevigne and fifty-five one-hundredths to Carter, Rice & Company, Boston, Mass. Wrapping-machine. No. 1,253,636; Jan. 15; v. 246; p. 701.
Sevison, Luther J., assignor to Fawn River Manufacturing Company, Constantine, Mich. Magneto. No. 1,266,063; May 14; v. 250; p. 358.
Sewall, Robert H. F., New Orleans, La. Apparatus for driving piles. No. 1,267,129; May 21; v. 250; p. 685.
Seward, Edward A., and H. W. Key, Columbus, Ga. Self-ventilating shingle. No. 1,259,914; Mar. 19; v. 248; p. 637.
Seward, Frank J. C. (See Taylor and Seward.)

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Seward, George O., Jersey City, N. J., assignor to American Magnesium Corporation. Production of magnesium. No. 1,258,261; Mar. 5; v. 248; p. 91.
Seward, William, Toronto, Ontario, Canada. Manufacture of sheet-rubber. No. 1,274,091; July 30; v. 252; p. 1051.
Sewell-Clapp Envelopes. (See Fraser, Le Roy B., assignor.)
Sewell, George A. (See Fuller and Sewell.)
Sewell, William N., Winchester, Ky. Railway rail and tie. No. 1,282,647; Oct. 22; v. 255; p. 790.
Seweryn, Paul, New York, N. Y. Air-brush. No. 1,281,674; Oct. 15; v. 255; p. 484.
Sexauer, Benjamin J., and H. C. Schultz, Chicago, Ill. Edge-folding machine. No. 1,262,855; Apr. 16; v. 249; p. 584.
Sexton, Arthur E. (See Swalm and Sexton.)
Sexton, Corydon W., Waynesboro, Pa. Device for utilizing wasted heat. No. 1,278,035; Sept. 3; v. 254; p. 191.
Sexton, James J., Columbus, Ohio. Pneumatic tire. No. 1,266,064; May 14; v. 250; p. 359.
Sexton, James P., Los Angeles, Cal. Machine for making and cutting plaster-board. No. 1,288,703; Dec. 24; v. 257; p. 714.
Sexton, Lowry, The Dalles, Oreg. Return-bend for joining pipe. No. 1,253,433; Jan. 15; v. 246; p. 645.
Seybold, Charles, Dayton, Ohio. Clamp for paper-cutters. No. 1,261,305; Apr. 2; v. 249; p. 89.
Seybold, Charles, Dayton, Ohio. Paper-cutting machine. No. 1,267,283; May 21; v. 250; p. 726.
Seyfert, Stanley S., assignor to himself and W. S. Franklin, trustees, South Bethlehem, Pa. Electric motor and transmission system for locomotives and other purposes. No. 1,285,809; Nov. 26; v. 256; p. 715.
Seymour, Benjamin F. (See Tweed, Howard P., assignor.)
Seymour, Benjamin F., Denver, Colo. Gearing. No. 1,277,652; Sept. 3; v. 254; p. 89.
Seymour, Benjamin F., Denver, Colo. Extensible mast. No. 1,286,807; Dec. 3; v. 257; p. 148.
Seymour, Byron F., Ames, Iowa. Fence-post. No. 1,259,051; Mar. 12; v. 248; p. 360.
Seymour, Charles R., assignor to M. D. Knowlton Company, Rochester, N. Y. Creasing and splitting mechanism. No. 1,278,766; Sept. 10; v. 254; p. 413.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Straightaway zigzag sewing machine. No. 1,255,802; Feb. 5; v. 247; p. 199.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Spreader mechanism for sewing-machines. No. 1,256,271; Feb. 12; v. 247; p. 379.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing-machines. No. 1,257,940; Feb. 26; v. 247; p. 938.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Apparatus for feeding and sewing filled sacks. (Reissue.) No. 14,443; Mar. 5; v. 248; p. 207.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Needle-lever support for sewing-machines. No. 1,269,650; June 18; v. 251; p. 492.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,274,092; July 30; v. 252; p. 1051.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing-machines. No. 1,276,127; Aug. 20; v. 253; p. 555.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Toggle-grinder. No. 1,277,140; Aug. 27; v. 253; p. 869.
Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Connecting-rod. No. 1,280,878; Oct. 8; v. 255; p. 238.
Seymour, Edward W., New York, N. Y. Flash-light. No. 1,265,820; May 14; v. 250; p. 289.
Seymour, James A., Auburn, N. Y. Pump mechanism. No. 1,261,061; Apr. 2; v. 249; p. 20.
Seymour, James M., Jr., Newark, N. J. Torpedo. No. 1,265,262; May 7; v. 250; p. 107.
Seymour, James M., Jr., Newark, N. J. Electrical system for controlling boats or torpedoes. No. 1,275,480; Aug. 13; v. 253; p. 343.
Seymour, James M., Jr., Newark, N. J. Internal-combustion engine. No. 1,275,481; Aug. 13; v. 253; p. 344.
Seymour, James M., Jr., Newark, N. J. Torpedo. No. 1,275,482; Aug. 13; v. 253; p. 344.
Seymour, Ralph C., Larchmont, N. Y., assignor to Goss Printing Press Company. Collecting and folding machine. No. 1,286,120; Nov. 26; v. 256; p. 790.
Shaak, George S., Avon, Pa. Advertising device. No. 1,270,220; June 18; v. 251; p. 646.
Shadbolt, William O., Brooklyn, N. Y. Vehicle. No. 1,287,468; Dec. 10; v. 257; p. 350.
Shade, Anthony C., Los Angeles, Cal. Wrench. No. 1,289,937; Dec. 31; v. 257; p. 1041.
Shade, Ora H. (See McBride and Shade.)
Shade, William P., Hollidaysburg, Pa. Power-generating apparatus. No. 1,270,221; June 18; v. 251; p. 646.
Shadle, Clinton F., Cleveland, O., assignor, by mesne assignments, to B. A. Worthington, trustee, New York, N. Y. Signal system for railways. No. 1,259,789; Mar. 19; v. 248; p. 599.
Shafer, Alonzo F., Moore, W. Va. Stapling-machine. No. 1,288,704; Dec. 24; v. 257; p. 714.
Shafer, Frank M. (See Roberts, Wilbert R., assignor.)
Shafer, Louis R. (See Rowe, Sidney M., assignor.)
Shafer, Samuel, Jr. (See Levalley, Fraser, and Shafer, Jr.)
Shafer, Samuel, Jr., assignor to Chain Belt Company, Milwaukee, Wis. Conveying and distributing mechanism. No. 1,267,341; May 21; v. 250; p. 742.
Shaff, Ernest H., Grand Haven, Mich. Suitcase-lock. No. 1,265,534; May 7; v. 250; p. 181.
Shaffer, Absalom D., Kittanning, Pa. Trolley head and guard. No. 1,276,128; Aug. 20; v. 253; p. 555.
Shaffer, Cleve T., San Francisco, Cal., assignor, by mesne assignments, to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust-cap. (Reissue.) No. 14,579; Dec. 24; v. 257; p. 802.
Shaffer, John M. Beaver Falls, assignor to United States Sanitary Manufacturing Company, Pittsburgh, Pa. Water-closet tank. No. 1,261,446; Apr. 2; v. 249; p. 129.
Shaffer, Joseph, McKittrick, Cal. Adjustable pipe-wrench. No. 1,276,274; Aug. 20; v. 253; p. 596.
Shaft, Willis S., Faribault, Minn. Window-shade. No. 1,289,281; Dec. 31; v. 257; p. 879.
Shahan, John L., West Pullman, assignor of one-third to G. O. Cunningham and one-third to E. W. Hansen, Chicago, Ill. Announcer or indicator. No. 1,259,915; Mar. 19; v. 248; p. 637.
Shailor, Frank E. (See Kuhn and Shailor.)
Shakespeare Company. (See Shakespeare and Schmid, assignors.)
Shakespeare, William, Jr., and W. Schmid, assignors to Shakespeare Company, Kalamazoo, Mich. Control device. No. 1,260,464; Mar. 26; v. 248; p. 827.
Shakespeare, William, Jr., and W. Schmid, assignors to Shakespeare Company, Kalamazoo, Mich. Control device. No. 1,260,465; Mar. 26; v. 248; p. 828.
Shambaugh, Isaac H., Avilla, Ind. Calendar. No. 1,264,213; Apr. 30; v. 249; p. 1014.
Shamberger, W. A. (See Petty, Calhoun, assignor.)
Shamblen, Lester B., assignor to M. C. Peters Mill Co., Omaha, Nebr. Rotary cutter. No. 1,258,394; June 4; v. 251; p. 93.
Shambow, John C., Woonsocket, R. I. Shuttle. No. 1,257,750; Feb. 26; v. 247; p. 884.
Shambow, John C., and G. H. Goldsmith, assignors to Shambow Shuttle Company, Woonsocket, R. I. Loom-shuttle. No. 1,276,582; Aug. 20; v. 253; p. 682.
Shambow Shuttle Company. (See Shambow and Goldsmith, assignors.)
Shampay Brothers. (See Shampay, Pascal J., assignor.)
Shampay, Pascal J., assignor to Shampay Brothers, Chicago, Ill. Cleaning-machine. No. 1,256,173; Feb. 12; v. 247; p. 350.
Shampay, Pascal J., assignor to Shampay Brothers, Chicago, Ill. Cleaning-machine. No. 1,281,425; Oct. 15; v. 255; p. 420.
Shamrock Narrow Fabric Company. (See Waterfield, John, assignor.)
Shanahan, John W., and F. C. Mason, assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Combined vacuum-cleaner and sweeper. No. 1,288,705; Dec. 24; v. 257; p. 714.
Shanahan, John W., and B. J. Bouwmeester, assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Bail for carpet-sweepers and the like. No. 1,288,706; Dec. 24; v. 257; p. 714.
Shanahan, Stephen, Urbana, Ohio. Service-box. No. 1,267,284; May 21; v. 250; p. 726.
Shand, E. Blake, Detroit, Mich. Locking device for pivoted window-sashes. No. 1,278,235; Sept. 10; v. 254; p. 271.
Shand, Robert, Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. No. 1,267,914; May 28; v. 250; p. 931.
Shanda, John, Irving, Iowa. Elastic wheel. No. 1,258,477; Mar. 5; v. 248; p. 153.
Shands, John B., assignor of one-fourth to J. H. Woolfolk, one-fourth to D. D. Brown, one-fourth to R. B. Hazard, and one-fourth to R. W. Hazard, Worcester, Mass. Shipping-tag. No. 1,283,927; Nov. 5; v. 256; p. 129.
Shane, Conrad B., Chicago, Ill. Garment. No. 1,252,187; Jan. 1; v. 246; p. 217.
Shane, Conrad B., Chicago, Ill. Garment. No. 1,252,188; Jan. 1; v. 246; p. 217.
Shane, Sol I. (See Hunt, Henry J., assignor.)
Shanisey, Frederick J., Sr., assignor of one-third to J. Miller and one-third to J. D. Sullivan, Chicago, Ill. Window-cleaner. No. 1,278,036; Sept. 3; v. 254; p. 192.
Shank, Thomas M., Bidwell, Ohio. Grain-cleaning device. No. 1,269,226; June 11; v. 251; p. 345.
Shankland, Duncan, Glasgow, Scotland. Traction-coupling. No. 1,269,651; June 18; v. 251; p. 492.

Shanklin, Benjamin M., Springfield, Mass. Transfer-punching apparatus. No. 1,254,164; Jan. 22; v. 246; p. 872.
Shanklin, Benjamin M., Springfield, Mass. Strip-punching apparatus. No. 1,267,599; May 28; v. 250; p. 841.
Shanklin, Urban J., Anamosa, Iowa. Releasing means. No. 1,267,285; May 21; v. 250; p. 726.
Shanklin, John R., assignor to West Virginia Heating and Plumbing Co., Charleston, W. Va. Sheet-metal gas-burner. No. 1,278,037; Sept. 3; v. 254; p. 192.
Shanks, John S., Canton, Ohio. Combined drier and laundry-stove. No. 1,272,721; July 16; v. 252; p. 613.
Shanks, Joseph, Rigby, Idaho. Head-gate. No. 1,264,690; Apr. 30; v. 249; p. 1147.
Shanley, James, Detroit, Mich. Signal. No. 1,274,340; July 30; v. 252; p. 1119.
Shannock Narrow Fabric Company (See Waterfield, John, assignor.)
Shannon, George W., Turlock, Cal. Process and apparatus for removing the skin from fruit. No. 1,280,879; Oct. 8; v. 255; p. 238.
Shannon, Oscar M., Larchmont, N. Y. File-cabinet. No. 1,273,005; July 16; v. 252; p. 693.
Shannon, Peter, Chicago, Ill. Street-flushing apparatus. No. 1,256,064; Feb. 12; v. 247; p. 316.
Shannon, William H., Astoria, Ill. Ratchet-wrench. No. 1,265,535; May 7; v. 250; p. 181.
Shannon, William H., and J. H. Bogard, San Saba, Tex. Headlight-steering mechanism. No. 1,272,542; July 16; v. 252; p. 560.
Shannon, William N., Brooklyn, N. Y. Means for supporting spare automobile-tires. No. 1,282,961; Oct. 29; v. 255; p. 904.
Shapac, Paul, Tabasco, Colo. Stretcher. No. 1,266,723; May 21; v. 250; p. 571.
Shapiro, Samuel B., Newburgh, N. Y. Protective switch for electric flat-irons. No. 1,280.564; Oct. 1; v. 255; p. 125.
Shapley, Charles E., Auburn, N. Y. Faucet. No. 1,258,262; Mar. 5; v. 248; p. 91.
Shapter, George H. (See Larson and Shapter.)
Sharbondy, Alvin L., Cloverdale, Iowa. Cover for vehicles. No. 1,279,596; Sept. 24; v. 254; p. 692.
Sharenbroich, Henry A., assignor of one-half to G. P. Witt, Port Angeles, Wash. Broom-hanger. No. 1,278,767; Sept. 30; v. 254; p. 413.
Sharp, Albert, Bayonne, N. J. Spherical bearing for shafts. No. 1,288,707; Dec. 24; v. 257; p. 715.
Sharp, Alfred. (See Greenwood and Sharp.)
Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Riding attachment for harrows and the like. No. 1,257,407; Feb. 26; v. 247; p. 781.
Sharp, Frank P., Oakland, Cal. Ratchet-drill. No. 1,255,803; Feb. 5; v. 247; p. 199.
Sharp, Gilmour. (See Millard and Taylor, assignors.)
Sharp, Harmon, Garfield, Wash. Mechanical movement for apple-corers. No. 1,259,145; Mar. 12; v. 248; p. 387.
Sharp, Howard O., assignor to West Side Foundry Company, Troy, N. Y. Oil-guard for pumps, engines, &c. No. 1,268,502; June 4; v. 251; p. 123.
Sharp, James A., Springfield, Ohio, assignor to International Harvester Company of New Jersey. Binding mechanism for grain-binders. No. 1,261,860; Apr. 9; v. 249; p. 278.
Sharp, John, Oakmont, Pa. Chuck. No. 1,273,546; July 23; v. 252; p. 863.
Sharp, John, Oakmont, Pa. Bottle-capping machine. No. 1,278,038; Sept. 3; v. 254; p. 192.
Sharp, John E., assignor to Milwaukee Reliance Boiler Works, Milwaukee, Wis. Steam-separating apparatus. No. 1,284,793; Nov. 12; v. 256; p. 379.
Sharp, John H., Chicago, Ill. Game. No. 1,264,984; May 7; v. 250; p. 31.
Sharp, Lee C., Plattsmouth, Nebr. Tractor. No. 1,280,880; Oct. 8; v. 255; p. 239.
Sharp, Lee C., Plattsmouth, Nebr. Tractor steering-gear and frame. No. 1,286,126; Nov. 26; v. 256; p. 792.
Sharp, Lee C., Plattsmouth, Nebr. Starting-crank safety device for motor-vehicles. No. 1,288,708; Dec. 24; v. 257; p. 715.
Sharp & Smith. (See Pennington, John R., assignor.)
Sharp & Smith. (See Rink, Louis G., assignor.)
Sharp, William A., Des Moines, Iowa. Attachment for talking-machines. No. 1,259,916; Mar. 19; v. 248; p. 638.
Sharp, William E., assignor to Grip Nut Company, Chicago, Ill. Lock-nut. No. 1,265,123; May 7; v. 250; p. 71.
Sharp, William E., assignor to Grip Nut Company, Chicago, Ill. Grip-nut. No. 1,271,781; July 9; v. 252; p. 319.
Sharp, William E., assignor to Grip Nut Company, Chicago, Ill. Lock-nut and making the same. No. 1,271,782; July 9; v. 252; p. 320.
Sharpe, George C., Columbus, Ohio. Fence-post. No. 1,263,132; Apr. 16; v. 249; p. 664.
Sharpe, George E., Steubenville, Ohio. Hood for fire-places. No. 1,285,424; Nov. 19; v. 256; p. 579.
Sharpe, George E., Steubenville, Ohio. Gas-heater. No. 1,285,425; Nov. 19; v. 256; p. 579.
Sharpe, Horace L., Balham, assignor to The London and Westminster Industrial Syndicate Limited, London, England. Power-transmission mechanism. No. 1,254,856; Jan. 29; v. 246; p. 1104.
Sharpe, Pearly, Kenora, Ontario, Canada. Bottle-stopper. No. 1,265,263; May 7; v. 250; p. 107.
Sharples, David T., West Chester, Pa. Teat-cup. No. 1,260,466; Mar. 26; v. 248; p. 828.
Sharples, John D., and T. Crowe, Taftville, Conn., assignors to Old Colony Machine Company, New Bedford, Mass. Bobbin-stripping machine. No. 1,289,938; Dec. 31; v. 257; p. 1041.
Sharples, John D., and T. Crowe, Taftville, Conn., assignors to Old Colony Machine Company, New Bedford, Mass. Bobbin-stripping machine. No. 1,289,939; Dec. 31; v. 257; p. 1041.
Sharples, Philip M., West Chester, assignor to White Heat Products Company, Planebrook, Pa. Making artificial stone. No. 1,273,547; July 23; v. 252; p. 863.
Sharples, Philip T., St. Davids, assignor to Sharples Specialty Company, West Chester, Pa. Centrifugal separator. No. 1,277,653; Sept. 3; v. 254; p. 89.
Sharples Specialty Company. (See Miller, Max B., assignor.)
Sharples Specialty Company. (See Sharples, Philip T., assignor.)
Sharpnack, George. (See Elmen and Sharpnack.)
Sharpneck, Eliel L., Winthrop, Mass., assignor to S. M. P. Wood Heel Company. Heel for boots and shoes. No. 1,270,449; June 25; v. 251; p. 736.
Sharpneck, Eliel L., Winthrop, Mass., assignor to S-M-P Wood Heel Company, Haverhill, Mass. Shoe and heel therefor. No. 1,288,233; Dec. 17; v. 257; p. 572.
Sharpneck, Eliel L., Winthrop, assignor of one-half to himself, and one-half to F. W. Millay, Haverhill, Mass. Heel for shoes. No. 1,259,917; Mar. 19; v. 248; p. 638.
Sharpneck, Eliel L., Winthrop, assignor of one-half to himself and one-half to F. W. Millay, Haverhill, Mass. Heel-mold. No. 1,278,803; Sept. 10; v. 254; p. 423.
Sharps, Gabriel, Karnak, N. D. Rotary tooth-brush. No. 1,265,536; May 7; v. 250; p. 181.
Sharrar, McClellan C., Toledo, Ohio. Dirigible light. No. 1,257,408; Feb. 26; v. 247; p. 781.
Shartzer, Henry F., Leitchfield, Ky. Electric gun. No. 1,284,155; Nov. 5; v. 256; p. 189.
Shatalroe, Clifford, Indianapolis, Ind. Fly-catcher. No. 1,270,222; June 18; v. 251; p. 646.
Shaten, Nathan L., Philadelphia, Pa. Heater and ventilator for automobiles. No. 1,273,006; July 16; v. 252; p. 693.
Shaten, Nathan L., Philadelphia, Pa. Heater and ventilator for automobiles. No. 1,273,007; July 16; v. 252; p. 694.
Shattuck, Abbie M., New York, N. Y. Game. No. 1,269,323; June 11; v. 251; p. 372.
Shattuck, Fred A., Sherburne, N. Y. Culinary vessel. No. 1,260,720; Mar. 26; v. 248; p. 904.
Shattuck, George H., Tumwater, Wash. Gate. No. 1,276,424; Aug. 20; v. 253; p. 639.
Shattuck, William P., Minneapolis, Minn. Outing-trailer. No. 1,277,654; Sept. 3; v. 254; p. 90.
Shauck, Charles G., Des Moines, Iowa. Direction-signal for automobiles. No. 1,276,425; Aug. 20; v. 253; p. 639.
Shaug, Hugh G., Los Angeles, Cal. Water-heater. No. 1,255,835; Feb. 5; v. 247; p. 208.
Shaut, Edwin J., Canisteo, assignor to T. S. Page and B. Frisbee, Hornell, N. Y. Antisetting device for hens. No. 1,253,434; Jan. 15; v. 246; p. 645.
Shaver, Jay N. (See Green and Shaver.)
Shaver, John W., Ben, Ark. Wrench. No. 1,283,332; Oct. 29; v. 255; p. 1001.
Shaver, Phillip A., Puente, Cal. Child's chair. No. 1,256,936; Feb. 19; v. 247; p. 610.
Shaver, William R., Covington, Va. Combined bevel-protractor. No. 1,269,324; June 11; v. 251; p. 372.
Shavitch, Vladimir, Carmel, Cal. Inner tube. No. 1,270,223; June 18; v. 251; p. 646.
Shaw, Albert P., assignor to Pittsfield Spark Coil Company, Pittsfield, Mass. Combined cam and finger adjustment device for timers and distributers. No. 1,279,594; Sept. 24; v. 254; p. 691.
Shaw, Archibald W., Drew, Miss. Plow. No. 1,257,127; Feb. 19; v. 247; p. 664.
Shaw, Arthur L., Chicago, Ill. Conveyer. No. 1,255,345; Feb. 5; v. 247; p. 66.
Shaw, Charles, Coudersport, Pa. Sanitary cover for containers. No. 1,286,808; Dec. 3; v. 257; p. 148.
Shaw, Charles H., Babylon, N. Y., assignor to The Aeolian Company. Sound-box. No. 1,269,965; June 18; v. 251; p. 578.
Shaw, Charles H., Babylon, N. Y., assignor to The Aeolian Company. Phonograph-needle container. No. 1,286,809; Dec. 3; v. 257; p. 148.
Shaw, Edward C. (See Benson and Shaw.)
Shaw, Edward T., and W. E. Laird, Pittsfield, Mass., assignors to General Electric Company. Oscillating-fan machine. No. 1,258,478; Mar. 5; v. 248; p. 153.
Shaw Electric Crane Company. (See Sawyer, Harry, assignor.)

Shaw, Frank E., assignor of one-half to C. H. Kerns, Columbus, Ohio. Water-closet-flushing tank. No. 1,262,273; Apr. 9; v. 249; p. 390.
Shaw, Fred T., and J. G. Meador, Jr., Winchester, Miss. Attachment for air-brakes. No. 1,276,976; Aug. 27; v. 253; p. 824.
Shaw, George E., Cincinnati, Ohio, assignor to The Slade & Miller Company, Chicago, Ill. Toy blocks. No. 1,281,856; Oct. 15; v. 255; p. 535.
Shaw, Henry D., Sunderland, Vt. Hammock-crib. No. 1,260,075; Mar. 19; v. 248; p. 684.
Shaw, Herbert C., assignor to Bauer & Black, Chicago, Ill. Suspensory sack and fabric therefor. No. 1,265,968; May 14; v. 250; p. 332.
Shaw, Isaac H., *et al.* (See Shaw, Joseph B., assignor.)
Shaw, James, assignor to H. S. Motor Co., Chicago, Ill. Internal-combustion engine. No. 1,262,106; Apr. 9; v. 249; p. 343.
Shaw, James W., Chicago, Ill. Motor-truck attachment. No. 1,269,009; June 11; v. 251; p. 283.
Shaw, James W., Chicago, Ill. Motor-truck attachment. No. 1,284,794; Nov. 12; v. 256; p. 379.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,255,473; Feb. 5; v. 247; p. 104.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,268,503; June 4; v. 251; p. 123.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Push-plate for emergency-exit locks. No. 1,279,456; Sept. 17; v. 254; p. 629.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,285,810; Nov. 26; v. 256; p. 716.
Shaw, John N. (See Lynch, Chester L., assignor.)
Shaw, Joseph, New York, N. Y., assignor to Rainbow Pictures Corporation. Producing moving pictures in colors. No. 1,289,940; Dec. 31; v. 257; p. 1041.
Shaw, Joseph, and J. W. Berwick, New York, N. Y., assignors to Rainbow Pictures Corporation. Color moving pictures. No. 1,287,594; Dec. 10; v. 257; p. 382.
Shaw, Joseph B., Alfred, N. Y., assignor of one-sixth to I. H. Shaw and one-sixth to W. G. Tice, Trenton, N. J. Making articles from blast-furnace slag. No. 1,259,304; Mar. 12; v. 248; p. 429.
Shaw, Louis E. (See Greene and Shaw.)
Shaw, Louis E. (See Hoexter and Shaw.)
Shaw, Louis E. (See Rosenfeld and Shaw.)
Shaw, Martha, San Bernardino, Cal. Cream-dipper. No. 1,282,962; Oct. 29; v. 255; p. 904.
Shaw, Nathaniel G., West Bridgewater, assignor of one-half to George E. Keith Company, Brockton, Mass. Shoe. No. 1,285,426; Nov. 19; v. 256; p. 580.
Shaw, Nathaniel H., Boston, Mass. Inner tube for pneumatic tires. No. 1,257,409; Feb. 26; v. 247; p. 782.
Shaw, Oliver A. (See Lambert, Henry M., assignor.)
Shaw, Oliver E., Chicago, Ill. Car part. No. 1,275,312; Aug. 13; v. 253; p. 298.
Shaw, Percy W., and A. F. Littlefield, Lynn, Mass., assignors, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Making stiffeners for boots and shoes. No. 1,256,937; Feb. 19; v. 247; p. 610.
Shaw, Robert S., assignor of one-half to J. F. Kavanaugh, Los Angeles, Cal. Motion-picture machine. No. 1,258,712; Mar. 12; v. 248; p. 261.
Shaw, Stillman, Natick, Mass., assignor to Multiune Carburetor Company. Carbureter. No. 1,258,153; Mar. 5; v. 248; p. 59.
Shaw, Thomas, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Shield for magnetic coils. No. 1,251,700; Jan. 1; v. 246; p. 77.
Shaw, Thomas, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Duplex balancing-circuits. No. 1,288,709; Dec. 24; v. 257; p. 715.
Shaw, Thomas, Hackensack, N. J., and C. J. Koukol, Elmhurst, N. Y., assignors to American Telephone and Telegraph Company. Demagnetizing apparatus. No. 1,281,084; Oct. 8; v. 255; p. 293.
Shaw, Thomas, Hackensack, N. J., and W. Fondiller, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Apparatus for loaded-telephone-line systems. No. 1,289,941; Dec. 31; v. 257; p. 1042.
Shaw-Walker Company, The. (See Hunter, David E., assignor.)
Shaw, Walter, Dedham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe. No. 1,269,652; June 18; v. 251; p. 492.
Shaw, Walter, Dedham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Eyeleting-machine. No. 1,271,721; July 9; v. 252; p. 305.
Shaw, Walter, Dedham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. No. 1,284,795; Nov. 12; v. 256; p. 379.
Shaw, William. (See Roberts and Shaw.)
Shaw, William, Pittsfield, N. H. Transmission. No. 1,256,174; Feb. 12; v. 247; p. 350.
Shaw, William, Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Sorting and gaging apparatus. No. 1,269,010; June 11; v. 251; p. 283.
Shaw, William F., Pueblo, Colo. Anchor attachment for removable bridgework. No. 1,262,705; Apr. 16; v. 249; p. 541.
Shaw, William G., Creighton, Pa. Forming glass sheets. No. 1,283,333; Oct. 29; v. 255; p. 1001.
Shaw, William M., Greenville, Me. Fence-post. No. 1,254,363; Jan. 22; v. 246; p. 929.
Shawinigan Water & Power Company, The. (See Nicol, David S., assignor.)
Shay, Ralph H., Detroit, Mich. Tool-holder. No. 1,279,025; Sept. 17; v. 254; p. 513.
Shea, Francis A. (See Proctor, Alfred W., assignor.)
Shea, James P., *et al.* (See Schneider, Frederick E., assignor.)
Shea, James W., Sr., Hankinson, N. D. Power manure-loader. No. 1,268,395; June 4; v. 251; p. 93.
Shea, Timothy M., Knoxville, Tenn. Folding square. No. 1,285,811; Nov. 26; v. 256; p. 716.
Sheaffer, Walter A., Fort Madison, Iowa. Pencil. No. 1,284,156; Nov. 5; v. 256; p. 189.
Sheahan, James H., Freeport, Ill. Jack. No. 1,265,264; May 7; v. 250; p. 108.
Shearer, Andrew, Frankfort, Kans. Lister-plow. No. 1,258,951; Mar. 12; v. 248; p. 329.
Shearer, Andrew, Frankfort, Kans. Lister-plow. No. 1,286,127; Nov. 26; v. 256; p. 792.
Shearer, Jesse A. (See Sauerman, Henry B., assignor.)
Shearer, Lillian J., Denver, Colo. Doll's head and making same. No. 1,282,004; Oct. 15; v. 255; p. 572.
Sheasley, Charles H., assignor to Producers Supply Company, Franklin, Pa. Packer for oil-wells. No. 1,262,107; Apr. 9; v. 249; p. 344.
Sheasley, Charles H., assignor to Producers Supply Co., Franklin, Pa. Packer for wells. No. 1,273,548; July 23; v. 252; p. 863.
Sheble, Horace, and T. Kraemer, assignors to Domestic Talking Machine Corporation, Philadelphia, Pa. Support for the sound-boxes of talking-machines. No. 1,280,565; Oct. 1; v. 255; p. 125.
Sheck, Oscar M., assignor to The Argus Lamp and Appliance Company, Cleveland, Ohio. Adjustable lamp-carriage. No. 1,257,128; Feb. 19; v. 247; p. 664.
Sheck, Oscar M., assignor to The Argus Lamp and Appliance Company, Cleveland, Ohio. Adjustable lamp-carriage. No. 1,257,129; Feb. 19; v. 247; p. 665.
Sheck, Oscar M., assignor to The Argus Lamp and Appliance Company, Cleveland, Ohio. Adjustable lamp-bracket. No. 1,257,130; Feb. 19; v. 247; p. 665.
Sheck, Oscar M., assignor to The Argus Lamp and Appliance Company, Cleveland, Ohio. Adjustable lamp-carriage device. No. 1,257,131; Feb. 19; v. 247; p. 665.
Sheck, Oscar M., assignor to The Argus Lamp and Appliance Company, Cleveland, Ohio. Adapter for motion-picture-projector lamps. No. 1,257,132; Feb. 19; v. 247; p. 665.
Sheck, Oscar M., assignor to The Argus Lamp and Appliance Company, Cleveland, Ohio. Adjustable lamp-socket. No. 1,285,427; Nov. 19; v. 256; p. 580.
Shedlock, Alfred. (See Keesey and Shedlock.)
Sheehan, Edward J., New York, N. Y., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,272,543; July 16; v. 252; p. 560.
Sheehan, Frank, Ithaca, N. Y. Portable baker. No. 1,278,039; Sept. 3; v. 254; p. 192.
Sheehan, James G. (See Rhodes, Guffey, and Sheehan.)
Sheehan, John J. (See Egan and Sheehan.)
Sheehan, John T., Davenport, Iowa. Awning. No. 1,257,539; Feb. 26; v. 247; p. 822.
Sheehan, Thomas C., Upper Montclair, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Razor-blade. No. 1,266,868; May 21; v. 250; p. 610.
Sheehan, Thomas J., St. Louis, Mo. Refrigerating apparatus. No. 1,289,559; Dec. 31; v. 257; p. 948.
Sheehan, Thomas J., St. Louis, Mo. Refrigerating apparatus. No. 1,289,560; Dec. 31; v. 257; p. 948.
Sheehy, Joanna, Los Angeles, Cal. Romper. No. 1,256,736; Feb. 19; v. 247; p. 551.
Sheely, Samuel N., Portsmouth, Va. Keel-block. No. 1,253,540; Jan. 15; v. 246; p. 673.
Sheer, Henry M., Quincy, Ill. Incubator. No. 1,262,397; Apr. 9; v. 249; p. 426.
Sheer, Henry M., Quincy, Ill. Incubator. No. 1,273,679; July 23; v. 252; p. 899.
Sheer, Henry M., Quincy, Ill. Tubular joint for heating systems. No. 1,280,091; Sept. 24; v. 254; p. 832.
Sheer, Henry M., Quincy, Ill. Washing-machine. No. 1,285,428; Nov. 19; v. 256; p. 580.
Sheets, Earl H., Muskogee, Okla. Apparatus for obtaining liquid hydrocarbons. No. 1,273,191; July 23; v. 252; p. 769.
Sheffer, Thomas B., Ashton, Idaho. Animal-trap. No. 1,268,166; June 4; v. 251; p. 28.
Sheffield Car Company. (See Rix, Milton H., assignor.)
Sheffield Car Company. (See Thompson, Harry E., assignor.)
Sheffield Mfg. Co. (See Himebaugh, Clayton D., assignor.)

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Shehan, Thomas, Cleveland, Ohio. Device for cutting screw-threads. No. 1,265,821; May 14; v. 250; p. 290.
Shehan, Thomas, Cleveland, Ohio. Screw-thread-cutting device. No. 1,281,675; Oct. 15; v. 255; p. 485.
Sheib, Samuel H., assignor of one-third to H. Froehling and one-third to H. C. Froehling, Richmond, Va. Recovery of battery fluids. No. 1,281,857; Oct. 15; v. 255; p. 535.
Sheils, William J. (See Kennelly, Edward F., assignor.)
Sheinaus, Abraham, New York, N. Y. Filling apparatus. No. 1,256,065; Feb. 12; v. 247; p. 316.
Sheinman, Louis, New York, N. Y. Dispensing attachment for ether-cans. No. 1,272,544; July 16; v. 252; p. 561.
Sheinman, Morris, New York, N. Y. Burglar-proof spring-lock. No. 1,253,734; Jan. 15; v. 246; p. 730.
Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Plate-printing machine. No. 1,288,710; Dec. 24; v. 257; p. 715.
Sheldon, Frank D., assignor to Milwaukee Locomotive Manufacturing Company, Milwaukee, Wis. Industrial tractor. No. 1,282,301; Oct. 22; v. 255; p. 695.
Sheline, Orville O., Chicago, Ill., assignor to Burnitol Manufacturing Company, Everett, Mass. Receptacle. No. 1,274,613; Aug. 6; v. 253; p. 79.
Shell Company of California. (See Thompson and McGraw, assignors.)
Shell Company of California. (See Trumble, Milon J., assignor.)
Shellabarger, Robert M., West Liberty, Iowa. Handle for Shovels. No. 1,267,915; May 28; v. 250; p. 931.
Shelly, Samuel, Philadelphia, Pa. Correction device for talking-machines. No. 1,266,065; May 14; v. 250; p. 359.
Shelly, William K., Tiffin, Ohio. Tank for flushers and sprinklers. No. 1,258,479; Mar. 5; v. 248; p. 154.
Shelor, Frederick L., Salem, assignor to International Filler Corporation, Richmond, Va. Bottle-filling apparatus. No. 1,262,274; Apr. 9; v. 249; p. 391.
Shelton, Carl L., Greenfield, Tenn. Combination box and newspaper-wrapper. No. 1,285,429; Nov. 19; v. 256; p. 580.
Shelton, E. C., *et al.* (See Sartain, Louis M., assignor.)
Shelton, Frank, Forest City, Ark. Draft appliance. No. 1,284,157; Nov. 5; v. 256; p. 190.
Shelton, Harrison A., Pasadena, Cal. Lateral-propulsion means for motor-vehicles. No. 1,278,040; Sept. 3; v. 254; p. 193.
Shelton, J. R., *et al.* (See Weston, Edwin J., Jr., assignor.)
Shelton, John W., Tucson, Ariz., assignor to Tucson Steam Laundry Co. Fabric stretching and drying apparatus. No. 1,269,751; June 18; v. 251; p. 520.
Shelton, William G., New York, N. Y. Transmission mechanism. No. 1,256,175; Feb. 12; v. 247; p. 351.
Shelton, William G., New York, N. Y. Driving mechanism. No. 1,269,752; June 18; v. 251; p. 520.
Shelton, William G., New York, N. Y. Talking-machine motor. No. 1,289,282; Dec. 31; v. 257; p. 879.
Shepard, Artemas P., Fresno, Cal. Apparatus for treating raisins. No. 1,269,966; June 18; v. 251; p. 578.
Shepard, Charles H., Bridgeport, Conn. Bolt for machine-guns. No. 1,284,478; Nov. 12; v. 256; p. 301.
Shepard, Francis H., New Rochelle, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,260,721; Mar. 26; v. 248; p. 904.
Shepard, Francis H., New Rochelle, N. Y., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,267,916; May 28; v. 250; p. 931.
Shepard, Francis H., New Rochelle, N. Y., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,281,858; Oct. 15; v. 255; p. 535.
Shepard, Francis H., New Rochelle, N. Y., and R. E. Hellmund, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,258,154; Mar. 5; v. 248; p. 59.
Shepard, George V. (See Shepard, Willard E., assignor.)
Shepard, George V. and W. L., West Hartford, Conn. Carbureter. No. 1,285,812; Nov. 26; v. 256; p. 716.
Shepard, Hulda A., Lakeside, Wash. Article of food. No. 1,257,410; Feb. 26; v. 247; p. 782.
Shepard, Oscar F., assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio. Safety device for elevators. No. 1,254,631; Jan. 22; v. 246; p. 1005.
Shepard, Seth W., Leominster, Mass. Stamp-protector. No. 1,264,565; Apr. 30; v. 249; p. 1113.
Shepard, Wilbur L. (See Shepard, George V. and W. L.)
Shepard, Wilbur L., West Hartford, Conn. Engine. No. 1,256,835; Feb. 19; v. 247; p. 579.
Shepard, Wilbur L., West Hartford, Conn. Engine. No. 1,263,475; Apr. 23; v. 249; p. 779.
Shepard, Wilbur L., Elmwood, Conn. Clutch. No. 1,274,462; Aug. 6; v. 253; p. 35.
Shepard, Wilbur L., Elmwood, assignor of one-third to H. C. Hart, Unionville, and one-third to W. H. Legate, Hartford, Conn. Clutch. No. 1,274,461; Aug. 6; v. 253; p. 34.
Shepard, Wilbur L., Elmwood, assignor to The World Gas Engine Company, Hartford, Conn. Engine. No. 1,283,575; Nov. 5; v. 256; p. 35.
Shepard, Willard E., Oroville, assignor of one-half to G. V. Shepard, Enumclaw, Wash. Harrow attachment for plows. No. 1,281,676; Oct. 15; v. 255; p. 485.
Shepard, William H., *et al.* (See Stevenson, John F., assignor.)
Shephard, Henry F., New York, N. Y. Truck-windlass. No. 1,276,584; Aug. 20; v. 253; p. 683.
Shepherd, Frank D., Salt Lake City, Utah. Puppet-valve for internal-combustion engines. No. 1,252,501; Jan. 8; v. 246; p. 340.
Shepherd, Frank D., Salt Lake City, Utah. Puppet-valve for internal-combustion engines. No. 1,258,480; Mar. 5; v. 248; p. 154.
Shepherd, Frank D., Salt Lake City, Utah. Gas-engine valve. No. 1,261,632; Apr. 2; v. 249; p. 181.
Shepherd, Frank D., Salt Lake City, Utah. Valve and head for internal-combustion engines. No. 1,262,398; Apr. 9; v. 249; p. 426.
Shepherd, Frank D., Salt Lake City, Utah. Puppet-valve for internal-combustion engines. No. 1,263,133; Apr. 16; v. 249; p. 665.
Shepherd, Frank D., Salt Lake City, Utah. Internal-combustion engine. No. 1,276,583; Aug. 20; v. 253; p. 682.
Shepherd, Harold F., assignor to Bessemer Gas Engine Company, Grove City, Pa. Controlling the temperature of hot plates for explosive-engines. No. 1,258,155; Mar. 5; v. 248; p. 60.
Shepherd, Harold F., assignor to Bessemer Gas Engine Company, Grove City, Pa. Hot-plate apparatus for explosive-engines and the like. No. 1,258,156; Mar. 5; v. 248; p. 60.
Shepherd, John E. (See McElroy and Shepherd.)
Shepherd, John T. (See Randall, John G., assignor.)
Shepherd, Marshall L., Montgomery, Ala., assignor, by mesne assignments, to United States Switch Company of Delaware, Eau Claire, Wis. Railway-switch mechanism. No. 1,275,773; Aug. 13; v. 253; p. 425.
Shepherd, Thomas, Oldham, England. Combined lamp and shade holder. No. 1,257,032; Feb. 19; v. 247; p. 639.
Shepherd, Walter, Market Bosworth, England. Convertible body for road-vehicles. No. 1,287,117; Dec. 10; v. 257; p. 265.
Shepherdson, William, Sandpoint, Idaho. Wrench. No. 1,266,869; May 21; v. 250; p. 611.
Sheppard, Fred J., Birmingham, Ala. Fuse-cap magazine. No. 1,286,810; Dec. 3; v. 257; p. 149.
Sheppard, George J. (See Noakes, Robert J., assignor.)
Sheppy, Charles L., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Method of and means for sealing sleeves in the jackets of engine-cylinders. No. 1,285,430; Nov. 19; v. 256; p. 580.
Sheransky, Harry S., Atlantic City, N. J. Wave-motor. No. 1,286,811; Dec. 3; v. 257; p. 149.
Sherbeck, Charles A., Bedford, Iowa. Saw. No. 1,262,987; Apr. 16; v. 249; p. 622.
Sherburne, Anna, and R. H. Varicle, Los Angeles, Cal. Towel-holder. No. 1,276,125; Aug. 20; v. 253; p. 554.
Sherburne, Charles H. (See Bridgham, Arthur L., assignor.)
Sherer, William G., Chicago, Ill. Display-counter. No. 1,271,783; July 9; v. 252; p. 320.
Sherer, William T., Chicago, Ill. Shelf-label. No. 1,284,796; Nov. 12; v. 256; p. 379.
Sherick, Mortimer A., New Orleans, La. Combination cigar, cigarette, and match dispensing humidor. No. 1,259,562; Mar. 19; v. 248; p. 535.
Sheridan Iron Works, The, *et al.* (See Blake, Jesse E., assignor.)
Sheridan Iron Works, The, *et al.* (See Bredenberg, Alfred, assignor.)
Sheridan Iron Works *et al.* (See Pachter, Peter, assignor.) (Reissue.)
Sheridan, James G., Parnell, Iowa. Poultry-coop. No. 1,287,469; Dec. 10; v. 257; p. 351.
Sheridan, James J., Elizabeth, N. J., and E. S. Stevens, West Pittston, Pa. Strip-marker. No. 1,263,134; Apr. 16; v. 249; p. 665.
Sheridan, Michael S. (See McGreal, Hugh J., assignor.)
Sheridon, William, Toledo, Ohio. Automatic mold-feeding apparatus for brick-molding machines. No. 1,273,008; July 16; v. 252; p. 694.
Sherlock, Elmer M., Portland, Oreg. Cabinet for automobiles. No. 1,263,612; Apr. 23; v. 249; p. 816.
Sherlock, William G., Los Angeles, Cal. Car-polisher. No. 1,256,938; Feb. 19; v. 247; p. 610.
Sherman, Alec E., London, England. Antiseptic or sterilizing agent for use in the preservative treatment of food. No. 1,274,793; Aug. 6; v. 253; p. 128.
Sherman, Alvin G., assignor to Detroit Vapor Stove Company, Detroit, Mich. Burner. No. 1,257,133; Feb. 19; v. 247; p. 666.
Sherman Carbureter Company, The. (See Sherman, James E., assignor.)
Sherman, Chester E., assignor to Rotary Valve Manufacturing Company, Kansas City, Mo. Rotary-valve engine. No. 1,277,655; Sept. 3; v. 254; p. 90.
Sherman, Clifton W., Buffalo, N. Y. Friction draft-gear. No. 1,251,930; Jan. 1; v. 246; p. 144.

Sherman, Clifton W., Buffalo, N. Y. Friction draft-gear. No. 1,254,857; Jan. 29; v. 246; p. 1104.
Sherman, Clifton W., Buffalo, N. Y. Friction draft-gear. No. 1,255,238; Feb. 5; v. 247; p. 35.
Sherman, Clifton W., Buffalo, N. Y. Car-wheel. No. 1,255,937; Feb. 12; v. 247; p. 278.
Sherman, Clifton W., Buffalo, N. Y. Car-wheel. No. 1,257,411; Feb. 26; v. 247; p. 782.
Sherman, Clifton W., Buffalo, N. Y. Making cast-metal car-wheels. No. 1,264,338; Apr. 30; v. 249; p. 1047.
Sherman, Clyde L., Cortland, N. Y. Fishing-tackle box. No. 1,261,861; Apr. 9; v. 249; p. 278.
Sherman, Edward T. and E. M., Minneapolis, Minn. Direction-signal for automobiles. No. 1,265,822; May 14; v. 250; p. 290.
Sherman, Elizabeth M. (See Sherman, Edward T. and E. M.)
Sherman, Forrest F., Cleveland, Ohio. Vehicle-wheel. No. 1,258,365; Mar. 5; v. 248; p. 119.
Sherman, Frederick H., Whitman, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Cutting-machine. No. 1,279,595; Sept. 24; v. 254; p. 691.
Sherman, Howard B., Battle Creek, Mich. Double-acting drawing-press. No. 1,275,614; Aug. 13; v. 253; p. 380.
Sherman, Howard B., Battle Creek, Mich. Feed-reel. No. 1,277,762; Sept. 3; v. 254; p. 121.
Sherman, Howard B., Battle Creek, Mich. Shell-inverting mechanism for drawing-presses. No. 1,280,881; Oct. 8; v. 255; p. 239.
Sherman, James E., assignor to The Sherman Carbureter Company, Inc., Buffalo, N. Y. Carbureter. No. 1,286,812; Dec. 3; v. 257; p. 149.
Sherman, John A., Worcester, Mass. Drinking-cup holder for inverted bottles. No. 1,266,066; May 14; v. 250; p. 359.
Sherry, John J., and L. L. Du Frane, Oakland, Cal. Apparatus for transmitting messages. No. 1,280,566; Oct. 1; v. 255; p. 125.
Sherman, John Q., Dayton, Ohio. Autographic register. No. 1,259,918; Mar. 19; v. 248; p. 638.
Sherman, John Q., Dayton, Ohio. Autographic register. No. 1,268,888; June 11; v. 251; p. 249.
Sherman, John Q., Dayton, Ohio. Autographic register. No. 1,275,615; Aug. 13; v. 253; p. 381.
Sherman, John Q., and A. F. Euchenhofer, assignors to The Standard Register Company, Dayton, Ohio. Manifolding attachment for type-writers. No. 1,254,368; Jan. 22; v. 246; p. 930.
Sherman, Layton O., East Chicago, Ind. Method of and apparatus for distilling petroleum and the like. No. 1,288,711; Dec. 24; v. 257; p. 716.
Sherman, Layton O., East Chicago, Ind., assignor to The Cleveland Trust Company, Cleveland, Ohio, trustee. Method of and apparatus for distilling petroleum and the like. No. 1,260,584; Mar. 26; v. 248; p. 864.
Sherman, Marvin E., Oklahoma, Okla. Car for perishable granular material. No. 1,274,614; Aug. 6; v. 253; p. 79.
Sherman, Michael. (See Salo and Sherman.)
Sherman, Percy F., Pittsfield, Mass. Combination measuring device. No. 1,263,945; Apr. 23; v. 249; p. 908.
Sherman, Walter F., Elsmere, N. Y. Gear-shifting device for Ford automobiles. No. 1,259,919; Mar. 19; v. 248; p. 639.
Sherman, Walter F., Elsmere, N. Y. Liquid-measure. No. 1,267,468; May 28; v. 250; p. 804.
Sherman, William T., Troy, assignor, by mesne assignments, to Henry L. Hughes Co., Inc., New York, N. Y. Brush. No. 1,277,141; Aug. 27; v. 253; p. 870.
Sherman, William T., Troy, assignor, by mesne assignments, to Henry L. Hughes Co., Inc., New York, N. Y. Brush. No. 1,277,142; Aug. 27; v. 253; p. 870.
Sherman, Willis S., Milwaukee, Wis. Feeder for end-matchers. No. 1,255,938; Feb. 12; v. 247; p. 278.
Sherman, Willis S., Milwaukee, Wis. Saw-mounting. No. 1,271,233; July 2; v. 252; p. 136.
Sherman, Willis S., Milwaukee, Wis. Work-carriage-alining means. No. 1,289,283; Dec. 31; v. 257; p. 879.
Sherwin, Charles A., Muskogee, Okla. Door-lock. No. 1,288,234; Dec. 17; v. 257; p. 572.
Sherwin, Frank, Brookings, S. D. Planter attachment. No. 1,260,076; Mar. 19; v. 248; p. 684.
Sherwin, Frank, Brookings, S. D. Draft-bar. No. 1,272,545; July 16; v. 252; p. 561.
Sherwin-Williams Company, The. (See Holton, Edward C., assignor.)
Sherwin Williams Company, The. (See Macklind, William R., assignor.)
Sherwood, Albert H., Oroville, Cal. Adjustable copy-holder. No. 1,265,396; May 7; v. 250; p. 144.
Sherwood, Alexander B., Chicago, Ill. Coin wrapping and counting device. No. 1,274,615; Aug. 6; v. 253; p. 79.
Sherwood, Burt, Grand Rapids, Mich. Textile-marking machine. No. 1,278,041; Sept. 3; v. 254; p. 193.
Sherwood, Charles B., Cornwall-on-the-Hudson, N. Y. Signal-lamp. No. 1,286,813; Dec. 3; v. 257; p. 149.
Sherwood, Laurence T., Connellsville, Pa. Recovering from niter cake products useful in the arts. No. 1,255,474; Feb. 5; v. 247; p. 104.
Sherwood, Laurence T., Connellsville, Pa. Manufacture of glass. No. 1,277,493; Sept. 3; v. 254; p. 45.
Sherwood, Truman C., Watseka, Ill. Dust-collector. No. 1,287,470; Dec. 10; v. 257; p. 351.
Sherwood, Walker L. (See McManis and Sherwood.)
Sherwood, William E., Canastota, N. Y. Flexible-runner sled. No. 1,281,859; Oct. 15; v. 255; p. 536.
Sherwood, William E., Canastota, N. Y. Cart or wagon. No. 1,282,472; Oct. 22; v. 255; p. 741.
Sherwood, William W., Grand Rapids, Mich. Painting, varnishing, or coating machine. No. 1,251,701; Jan. 1; v. 246; p. 78.
Shestakoff, Peter. (See Tarassoff and Shestakoff.)
Shettler, Leon T., Los Angeles, Cal. Universal windshield. No. 1,268,773; June 4; v. 251; p. 199.
Shevels, Thomas F. (See Peel and Shevels.)
Shibley, Edward H., St. Paul, Minn. Cuspidor. No. 1,260,946; Mar. 26; v. 248; p. 966.
Shidler, Artimus W., Farmington, N. Mex. Steam-generator. No. 1,280,318; Oct. 1; v. 255; p. 57.
Shields, Carl E., Rock Island, Ill. Combination vise and drill. No. 1,266,724; May 21; v. 250; p. 571.
Shields, Curtis W., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,276,275; Aug. 20; v. 253; p. 596.
Shields, Ferdinand W., assignor to E. C. Tollinger, Vicksburg, Miss. Grease-gun. No. 1,259,146; Mar. 12; v. 248; p. 387.
Shields, Henry B. (See Peck and Shields.)
Shields, Robert J., Hobgood, N. C. Torpedo-guard for ships. No. 1,271,090; July 2; v. 252; p. 95.
Shields, William S., Trenton, N. J. Window. No. 1,286,428; Dec. 3; v. 257; p. 60.
Shiffer, Harry R., Brownstown, Pa. Receptacle. No. 1,263,946; Apr. 23; v. 249; p. 909.
Shignon, Nathan A., New York, N. Y. Refractometer. No. 1,270,336; June 25; v. 251; p. 705.
Shilala, Anthony, Los Angeles, Cal. Armored gun-carriage. No. 1,283,334; Oct. 29; v. 255; p. 1002.
Shillcock, Frederick J., Birmingham, England. Boot for foot-ball and other athletic purposes. No. 1,283,335; Oct. 29; v. 255; p. 1002.
Shilzony, Niklas, Whittier, Cal. Musical reed-pipe instrument. No. 1,288,235; Dec. 17; v. 257; p. 572.
Shima, Shinkichiro, Los Angeles, Cal. Strand and cable suspensory supporter. No. 1,284,158; Nov. 5; v. 256; p. 190.
Shimer, Allen C., assignor of one-half to F. L. Tracy, Anderson, Ind. Vaporizing-manifold. No. 1,289,942; Dec. 31; v. 257; p. 1042.
Shimer, Porter W., Easton, Pa. Case-hardening of metals. No. 1,279,457; Sept. 17; v. 254; p. 629.
Shimer, Porter W., Easton, Pa. Case-hardening of metals. No. 1,279,458; Sept. 17; v. 254; p. 629.
Shimer, Stanley D., Bethlehem, Pa. Driving mechanism for vehicles. No. 1,265,265; May 7; v. 250; p. 108.
Shimer, William R. (See Lewis, Shimer, and Thomas.)
Shimp, William A., Minneapolis, Minn. Bottle-capper. No. 1,277,494; Sept. 3; v. 254; p. 45.
Shimskey, Matthew M., Ernest, Pa. Rack for pool and billiard balls. No. 1,287,775; Dec. 17; v. 257; p. 458.
Shindel, Frank D., Northampton, Pa. Thermo-electric generator. No. 1,286,429; Dec. 3; v. 257; p. 60.
Shindel, Harry F., Glenside, assignor to T. A. Willson & Co., Inc., Reading, Pa. Spectacle-temple. No. 1,266,067; May 14; v. 250; p. 359.
Shindo, Soburo, *et al.* (See Watson, Hugh W., assignor.)
Shine, Peter N., assignor of one-half to V. Brukler, Detroit, Mich. Ratchet mechanism. No. 1,282,718; Oct. 22; v. 255; p. 809.
Shine, Peter N., assignor of one-half to V. Brukler, Detroit, Mich. Ambulance. No. 1,284,936; Nov. 12; v. 256; p. 416.
Shiner, Albert E., London, England. Rotary pump. No. 1,271,377; July 2; v. 252; p. 175.
Shingler, Milford, Ashville, Pa. Rock and coal drill. No. 1,280,092; Sept. 24; v. 254; p. 832.
Shinn, Martin E., Chicago, Ill. Band-saw machine. No. 1,264,339; Apr. 30; v. 249; p. 1048.
Shinn, Ritner. (See Morris and Shinn.)
Shinner, Ernest G., Chicago, Ill. Display-rack. No. 1,267,917; May 28; v. 250; p. 932.
Shinozaki, Matabei, Nihombashi-ku, Tokyo, Japan. Writing-ink. No. 1,282,302; Oct. 22; v. 255; p. 696.
Ship Builders Iron Works. (See Hoyer, Christian, assignor.)
Shipbuilders Pneumatic Tool Co. (See Paxton, Thomas W., assignor.)
Shipherd, Carroline, Omaha, Nebr. Dish-cleaner and mop. No. 1,255,804; Feb. 5; v. 247; p. 200.
Shiplet, Clarence E. (See Litchfield and Shiplet.)
Shipley, James E., *et al.* (See Cooper, Grover C., assignor.)
Shipley, Lewis C., Detroit, Mich. Vehicle-top. No. 1,279,922; Sept. 24; v. 254; p. 787.
Shipley, Thomas, York, Pa. Refrigerating or ice-making apparatus. No. 1,253,895; Jan. 15; v. 246; p. 775.
Shipley, Walter H., St. Anne, Ill. Bag-holder. No. 1,287,471; Dec. 10; v. 257; p. 351.
Shipman, Lewis H. (See Miller, John, Jr., assignor.)
Shipman, Ralph, Sunbury Pa. Carbureter. No. 1,254,735; Jan. 29; v. 246; p. 1065.
Shipman, Samuel C., York, Nebr. Furnace-casing ring. No. 1,260,722; Mar. 26; v. 248; p. 905.

Shipp, Clarence C., Indianapolis, Ind. Radiator-casing. No. 1,288,236; Dec. 17; v. 257; p. 573.
Shipp, Clarence C., Indianapolis, Ind. Automatic air-release and humidifier for radiators. No. 1,288,237; Dec. 17; v. 257; p. 573.
Shippert, Warren A., Dixon, Ill. Milking-machine. No. 1,264,214; Apr. 30; v. 249; p. 1014.
Shippy, Benton P., Lander, Wyo. Rotary plow. No. 1,263,352; Apr. 16; v. 249; p. 722.
Shipwash, Scott, assignor of one-half to S. J. McGlothin, and one-half to L. McGlothin, Coalfield, Tenn. Track-gage. No. 1,285,431; Nov. 19; v. 256; p. 581.
Shipwright, William G., and F. R. Martin, London, England. Floor for buildings. No. 1,286,128; Nov. 26; v. 256; p. 792.
Shirai, Yoshijiro, Elmonte, Cal. Manure-spreader. No. 1,286,430; Dec. 3; v. 257; p. 60.
Shirey, Frank W., and J. W. Dodd, Tulsa, Okla. Rope-socket. No. 1,260,077; Mar. 19; v. 248; p. 685.
Shirley, Roswell R., Rockford, Ill. Feed-manger. No. 1,259,790; Mar. 19; v. 248; p. 600.
Shirley, Samuel, Winnipeg, Manitoba, Canada. Animal-arrester. No. 1,266,068; May 14; v. 250; p. 360.
Shively, James H. (See Kost, Joseph L., assignor.)
Shivers, George C., Savannah, Ga. Auxiliary air-valve. No. 1,257,134; Feb. 19; v. 247; p. 666.
Shmelstein, Isaac, Mason City, Iowa. Top for bicycles and motor-cycles. No. 1,254,858; Jan. 29; v. 246; p. 1104.
Shnable, Emile R., Wilmette, Ill., assignor to Brown Hoisting Machinery Company, Cleveland, Ohio. Skip attachment for excavator-buckets. No. 1,266,168; May 14; v. 250; p. 389.
Shoaff, Paul S., Long Beach, Cal. Continuous rotary retort. No. 1,284,479; Nov. 12; v. 256; p. 301.
Shobar, Arthur B., Lamoille, Nev. Chisel-protector. No. 1,258,481; Mar. 5; v. 248; p. 154.
Shoblaske, Edward T., Hartford, Wis. Music-leaf turner. No. 1,257,540; Feb. 26; v. 247; p. 822.
Shockey, Arthur C., Shawnee, Okla. Bracket. No. 1,255,652; Feb. 5; v. 247; p. 156.
Shodron, John G., Milwaukee, assignor to James Manufacturing Company, Fort Atkinson, Wis. Barn-ventilator. No. 1,270,879; July 2; v. 252; p. 36.
Shoebidge, Christopher H., New York, N. Y. Fusible service-protector. No. 1,256,066; Feb. 12; v. 247; p. 317.
Shoecraft, Leon W., Raymond, S. D. Fence-post. No. 1,268,167; June 4; v. 251; p. 28.
Shoeld, Mark, Chicago, Ill. Furnace for chemical reactions. No. 1,274,795; Aug. 6; v. 253; p. 129.
Shoeld, Mark, assignor to Armour Fertilizer Works, Chicago, Ill. Electric furnace. No. 1,274,794; Aug. 6; v. 253; p. 128.
Shoeld, Mark, assignor to Armour Fertilizer Works, Chicago, Ill. Electric furnace. No. 1,274,796; Aug. 6; v. 253; p. 129.
Shoeld, Mark, assignor to Armour Fertilizer Works, Chicago, Ill. Producing aluminum nitrid. No. 1,274,797; Aug. 6; v. 253; p. 129.
Shoeld, Mark, assignor to Armour Fertilizer Works, Chicago, Ill. Electric furnace. No. 1,274,798; Aug. 6; v. 253; p. 130.
Shoeld, Mark, assignor to Armour Fertilizing Works, Chicago, Ill. Making permanganates. No. 1,281,085; Oct. 8; v. 255; p. 293.
Shoeld, Mark, assignor to Armour Fertilizer Works, Chicago, Ill. Production of nitrogen. No. 1,287,472; Dec. 10; v. 257; p. 351.
Shoemaker, Charles A. (See Grohn, Henry P., assignor.)
Shoemaker, Charles A., Chicago, Ill. Tank-car. No. 1,252,959; Jan. 8; v. 246; p. 472.
Shoemaker, Clifton B., Glendora, Cal. Eye-shade. No. 1,255,057; Jan. 29; v. 246; p. 1158.
Shoemaker, Frank A., Buffalo, assignor to Brown Rotary Engine Co., Niagara Falls, N. Y. Rotary engine. No. 1,281,677; Oct. 15; v. 255; p. 485.
Shoemaker, James J., Quincy, Ill. Street-car fender. No. 1,283,928; Nov. 5; v. 256; p. 129.
Shoemaker, John A., Ada, Minn. Guiding device for phonograph tone-arms. No. 1,264,691; Apr. 30; v. 249; p. 1147.
Shoemaker, John L., Crandon, Wis. Non-refillable bottle. No. 1,282,303; Oct. 22; v. 255; p. 696.
Shoemaker, Joseph J., San Jose, Cal. Folding automobile-rim protector. No. 1,267,286; May 21; v. 250; p. 727.
Shoemaker, Robert J. (See MacFarland and Shoemaker.)
Shoemaker, Robert J., Topeka, Kans. Coating metal articles. No. 1,276,977; Aug. 27; v. 253; p. 824.
Shoemaker, Robert J., Milwaukee, Wis. Plating metal castings. No. 1,276,978; Aug. 27; v. 253; p. 824.
Shoenberg, Isaac, London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Method for multiplying the frequency of electric currents. No. 1,269,011; June 11; v. 251; p. 284.
Shoenberg, Milton H., San Francisco, Cal., assignor to Majestic Electric Development Company. Fluid attachment clamp. No. 1,279,459; Sept. 17; v. 254; p. 629.
Shoenberg, Milton H., San Francisco, and F. Talcott, Burlingame, Cal., assignors to Majestic Electric Development Company. Insulated testing-plug terminal. No. 1,255,824; Feb. 5; v. 247; p. 205.
Shoesmith, Samuel, London, Ontario, Canada. Air moistening and cooling device. No. 1,279,460; Sept. 17; v. 254; p. 629.
Sholl, William F., Hubbell, Nebr. Phonograph-tablet support and remover. No. 1,282,473; Oct. 22; v. 255; p. 741.
Sholley, George T., Lebanon, Pa. Necktie-holder. No. 1,266,333; May 14; v. 250; p. 432.
Sholund, Alex, Marysville, Wash. Fence-post. No. 1,280,093; Sept. 24; v. 254; p. 832.
Shomer, William, and H. Friedman, Philadelphia, Pa. Composite cushioning non-inflatable tire. No. 1,263,947; Apr. 23; v. 249; p. 909.
Shonnard, Orlando D. (See Peets, Shonnard, and Du Bois.)
Shonts, Homer K., Spokane, Wash. Friction-drive for motor-vehicles. No. 1,288,238; Dec. 17; v. 257; p. 573.
Shook, Anna N., New York, N. Y. Hand-loom. No. 1,274,948; Aug. 6; v. 253; p. 172.
Shook, Jessie A., Bronte, Tex. Knockdown and portable frame and hoist. No. 1,257,033; Feb. 19; v. 247; p. 639.
Shoop, Martin O. (See Alverson, Lewis, assignor.)
Shooter, Roy M., Fairmont, N. C. Fertilizer-distributer. No. 1,287,473; Dec. 10; v. 257; p. 351.
Shope Brick Co. (See Shope, David T., assignor.)
Shope, David F., Portland, Oreg. Waterproofing and ornamenting objects. No. 1,270,450; June 25; v. 251; p. 736.
Shope, David F., assignor to Shope Brick Co., Portland, Oreg. Erecting concrete structures. No. 1,282,304; Oct. 22; v. 255; p. 696.
Shorb, William A., assignor to Decatur Pump & Manufacturing Co., Decatur, Ill. Base. No. 1,272,866; July 16; v. 252; p. 655.
Shore, Madison L., Raleigh, N. C. Shipping-crate fastener. No. 1,253,637; Jan. 15; v. 246; p. 701.
Shore, William E., New York, N. Y. Tracker mechanism for player-pianos. No. 1,280,319; Oct. 1; v. 255; p. 58.
Shore, William E., New York, N. Y., assignor to The Franey-Shore Co. Gear-pump. No. 1,287,118; Dec. 10; v. 257; p. 265.
Shores, William T., *et al.* (See Norman, Frank, assignor.)
Shores, William T., *et al.* (See Thompson, George W., assignor.)
Short, Archie. (See Myers, Melvin A., assignor.)
Short, Bessie L. (See Myers, Melvin A., assignor.)
Short, Byron O., assignor of one-third to J. J. Manlove and one-third to J. A. Wright, Pierce City, Mo. Internal-combustion engine. No. 1,275,616; Aug. 13; v. 253; p. 381.
Short, Charles E., Akron, Ohio. Nut-lock. No. 1,253,638; Jan. 15; v. 246; p. 701.
Short, H. W. (See Myers, Melvin A., assignor.)
Short, Jesse M., Joplin, Mo. Drilling-machine. No. 1,258,952; Mar. 12; v. 248; p. 329.
Short, Otto R. (See Pentler and Short.)
Shorter, Emanuel M., Birmingham, Ala. Coal-car cover. No. 1,260,078; Mar. 19; v. 248; p. 685.
Shorter, George E. (See Phinous, James M., assignor.)
Shorthill, Harry H., Lake City, Colo. Automobile-headlight. No. 1,262,275; Apr. 9; v. 249; p. 392.
Shortwriter Company. (See Edwards and Feiereisel, assignors.)
Shotter, George F. (See Murray and Shotter.)
Shoulders, Heddy S., Springfield, Tenn. Sprayer. No. 1,278,768; Sept. 10; v. 254; p. 413.
Shourt, James M., assignor to Brown & Bigelow, St. Paul, Minn. Cap-printing machine. No. 1,252,043; Jan. 1; v. 246; p. 177.
Shouse, Leon, *et al.* (See Hifner, Ernest J., assignor.)
Shrauger, Darius E., Atlantic, Iowa. Metallic window frame and sash. No. 1,252,851; Jan. 8; v. 246; p. 440.
Shredded Wheat Company, The. (See Ford, William H., assignor.)
Shreeve, Herbert E., Milburn, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Protective circuit. No. 1,252,502; Jan. 8; v. 246; p. 341.
Shreeve, Herbert E., Milburn, N. J., assignor, by mesne assignments, to Western Electric Company. Vibrator. No. 1,284,480; Nov. 12; v. 256; p. 301.
Shriner, Frank E., Detroit, Mich. Column-clamp. No. 1,275,313; Aug. 13; v. 253; p. 298.
Shriver, Harry T., West Orange, N. J. Electrolytic apparatus. No. 1,256,067; Feb. 12; v. 247; p. 317.
Shriver, Howard N., Beachmont, Mass. Cigar tuck-cutter and perforator. No. 1,252,044; Jan. 1; v. 246; p. 177.
Shroder, Fred, assignor to The Stewart Manufacturing Company, Chicago, Ill. Metal-casting apparatus. No. 1,282,963; Oct. 29; v. 255; p. 905.
Shroyer, Jacob L., Pittsfield, Mass. Tire-pumping mechanism. No. 1,276,126; Aug. 20; v. 253; p. 555.
Shubert, Byron L., Vliets, Kans. Individual wind-shield. No. 1,272,130; July 9; v. 252; p. 421.
Shuff, William H., Kansas City, Mo. Artificial bait known as plugs or wood minnows. No. 1,268,635; June 4; v. 251; p. 162.
Shuford, Jacob F., Los Angeles, Cal. Combination truck and movable platform. No. 1,261,633; Apr. 2; v. 249; p. 182.

Shuker, William. (See Stone and Shuker.)
Shuler, Asa V., Joplin, Mo. Power-head for pumps. No. 1,288,239; Dec. 17; v. 257; p. 573.
Shuler, Gustavus H., Munger, Mich. Wiper for automobile-shields. No. 1,264,692; Apr. 30; v. 249; p. 1147.
Shull, Frederick G., Concord, Mass., and E. J. De Right, Kansas City, Mo. Guying-pole. No. 1,257,135; Feb. 19; v. 247; p. 666.
Shull, Ivan R., Millville, assignor to Becton, Dickinson & Co., Rutherford, N. J. Glass syringe. No. 1,265,537; May 7; v. 250; p. 181.
Shulman, Max, New York, N. Y. Means for recording and reproducing sounds. No. 1,278,042; Sept. 3; v. 254; p. 193.
Shults, James C., Meadville, Pa., assignor to Russ Automatic Labeling Co. Sheet separating and feeding mechanism. No. 1,285,432; Nov. 19; v. 256; p. 581.
Shults, Sherman T., McCammon, Idaho. Tire-inflating device. No. 1,251,829; Jan. 1; v. 246; p. 118.
Shultz, James, St. Joseph, Mo. Merry-go-round. No. 1,252,852; Jan. 8; v. 246; p. 440.
Shultz, John D., Atalissa, Iowa. Hay-loader. No. 1,252,503; Jan. 8; v. 246; p. 341.
Shultz, Walter C. (See Johnson, Sinclair J., assignor.)
Shum, Orie C., Bedford, Iowa. Fuel-vaporizer. No. 1,269,753; June 18; v. 251; p. 520.
Shumaker, Grover M., Marion, Ohio. Finger-cot. No. 1,265,124; May 7; v. 250; p. 71.
Shuman, Constantine and V., Philadelphia, Pa. Reinforced sheet-glass and making same. No. 1,274,205; July 30; v. 252; p. 1083.
Shuman, Constantine and V., Philadelphia, Pa. Means for making reinforced sheet-glass. No. 1,274,206; July 30; v. 252; p. 1083.
Shuman, Frank, Philadelphia, Pa., assignor to The Simplex Concrete Piling Company, Washington, D. C. Pile-form and driving same. No. 1,258,482; Mar. 5; v. 248; p. 154.
Shuman, Frank, Philadelphia, Pa., assignor to The Simplex Concrete Piling Company, Washington, D. C. Apparatus for forming piles. No. 1,281,860; Oct. 15; v. 255; p. 536.
Shuman, Frank G., Chicago, Ill. Pricing outfit. No. 1,261,447; Apr. 2; v. 249; p. 129.
Shuman, Frank G., Chicago, Ill. Tag-holder for pricing systems. No. 1,269,867; June 18; v. 251; p. 553.
Shuman, Victor. (See Shuman, Constantine and V.)
Shumate, Charles A., Lima, Ohio. Attachment for rules. No. 1,284,481; Nov. 12; v. 256; p. 302.
Shure, Nathan, Chicago, Ill. Ticket-dispensing machine. No. 1,266,069; May 14; v. 250; p. 360.
Shurloc Elevator Safety Company. (See Williamson, Glenn S., assignor.)
Shurtleff, Wilfred, Moline, Ill. Vacuum-valve. No. 1,267,809; May 28; v. 250; p. 900.
Shurtleff, Wilfred, Moline, assignor to D. Geraldine, Chicago, Ill. Massaging apparatus. No. 1,274,799; Aug. 6; v. 253; p. 130.
Shurtleff, Wilfred, assignor to Moline Heat, Moline, Ill. Differential check-valve for radiators. No. 1,287,119; Dec. 10; v. 257; p. 265.
Shuster, Elmore F., New Haven, Conn. Rotary straightening-arbor. No. 1,283,336; Oct. 29; v. 255; p. 1002.
Shutt, Charles H., Philadelphia, Pa. Electrically-controlled mechanism. No. 1,273,938; July 30; v. 252; p. 1009.
Shutt, John E., Stuttgart, Ark. Plunger for pumps. No. 1,278,769; Sept. 10; v. 254; p. 414.
Shutt, Walter H., Newark, N. J. Load-weight carrying and distributing mechanism for vehicles. No. 1,286,129; Nov. 26; v. 256; p. 792.
Shuyler, Millard F., assignor of one-half to T. F. Maguire, St. Louis, Mo. Nut-lock. No. 1,270,224; June 18; v. 251; p. 647.
Shwayder, Jesse, Denver, Colo. Suitcase. No. 1,259,305; Mar. 12; v. 248; p. 429.
Sibbett, George E., Berkeley, Cal. Gold-dredge tumbler. No. 1,289,561; Dec. 31; v. 257; p. 948.
Sibille, John, Grand Coteau, La. Lug for tractors. No. 1,252,960; Jan. 8; v. 246; p. 473.
Sibley, James T., New York, N. Y. Diaphragmatic sound-producer. No. 1,270,884; July 2; v. 252; p. 37.
Sibley, Leon L., Monroe Bridge, Mass. Means for fastening rolls to shafts. No. 1,281,861; Oct. 15; v. 255; p. 536.
Sibley, Rupert R., assignor to American Canning Corporation, Atlanta, Ga. Can-sealing apparatus. No. 1,279,461; Sept. 17; v. 254; p. 630.
Sibley, Samuel J. (See Buckner, Levi G., assignor.)
Sibleys Limited. (See Scott-Snell, Charles, assignor.)
Sickman, Davy V. (See Reilly and Sickman.)
Sickman, Davy V., Denver, Colo. Hydraulic cartridge. No. 1,278,393; Sept. 10; v. 254; p. 313.
Sickman, Davy V., Denver, Colo. Flexible joint for pipes. No. 1,284,159; Nov. 5; v. 256; p. 190.
Sidebotham, Melvin H. (See Labombarde and Sidebotham.)
Sidebotham, Melvin H., assignor to E. W. Labombarde, Nashua, N. H. Tabbing-machine. No. 1,274,093; July 30; v. 252; p. 1052.
Sidel, Oscar, Colden, N. Y. Yielding furniture-support. No. 1,273,939; July 30; v. 252; p. 1010.
Siderman, Louis, Detroit, Mich. Necktie-holder. No. 1,268,396; June 4; v. 251; p. 93.
Sidman, Edward D., London, Ontario, Canada. Lumber-curing kiln. No. 1,276,979; Aug. 27; v. 253; p. 824.
Sidwell, Benjamin W., assignor to The Beaver Company, Buffalo, N. Y. Wall-board. No. 1,285,433; Nov. 19; v. 256; p. 581.
Siebe, Gorman & Co. (See Perry, George E., assignor.)
Siebel, Frederick P., assignor to Siebel Institute of Technology, Chicago, Ill. Bread-making. No. 1,269,754; June 18; v. 251; p. 521.
Siebel Institute of Technology. (See Siebel, Frederick P., assignor.)
Sieben, Henry, Kansas City, Mo. Lawn-sprinkling device. No. 1,278,236; Sept. 10; v. 254; p. 272.
Sieber, Ferdinand, Charlottenburg, Germany, assignor to General Electric Company. Insulator. No. 1,253,736; Jan. 15; v. 246; p. 730.
Sieber, Gottwalt, assignor to Vogtländische Maschinen-Fabrik, Plauen, Germany. Driving mechanism for piercing implements in embroidering-machines. No. 1,266,870; May 21; v. 250; p. 611.
Sieber Products Mfg. Co. (See Rubin, Adolph, assignor.)
Siebert, Otto W., Gardner, and H. B. Hadley, assignors to Bay State Metal Wheel Company, East Templeton, Mass. Adjustable hood-support for baby-carriages. No. 1,282,474; Oct. 22; v. 255; p. 742.
Siebert, Theodore, Jr. (See Bahls and Siebert.)
Siebring, Claude, George, Iowa. Seed-corn drier. No. 1,280,567; Oct. 1; v. 255; p. 125.
Siedlecki, Mieczyslaw, Brooklyn, N. Y. Beveling-machine. No. 1,285,434; Nov. 19; v. 256; p. 581.
Sieffert, Clarence M., assignor to Sieffert Electric Company, Evansville, Ind. Switch-box. No. 1,262,988; Apr. 16; v. 249; p. 622.
Sieffert Electric Company. (See Sieffert, Clarence M., assignor.)
Sieg, Walter R., assignor to Waterloo Cement Machinery Corporation, Waterloo, Iowa. Back-filling machine. No. 1,264,693; Apr. 30; v. 249; p. 1147.
Siegel, Anna. (See Siegel, Samuel, assignor.)
Siegel, Ernest, New York, N. Y. Shock-absorber for vehicles. No. 1,264,694; Apr. 30; v. 249; p. 1148.
Siegel, Myer, New York, N. Y. Mechanical movement. No. 1,279,462; Sept. 17; v. 254; p. 630.
Siegel, Samuel, assignor to A. Siegel, New York, N. Y. Toy bank. No. 1,265,125; May 7; v. 250; p. 71.
Siegel, Solomon, Chicago, Ill. Ventilated garment. No. 1,261,448; Apr. 2; v. 249; p. 129.
Siegfried, Ira D., Cleveland, Ohio. Heat-insulating covering. No. 1,251,830; Jan. 1; v. 246; p. 118.
Siegfried, Ira D., Cleveland, Ohio. Stay-bolt-inspection port. No. 1,264,695; Apr. 30; v. 249; p. 1148.
Siegfried, Robert, and H. G. Jungk, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Current-collecting device. No. 1,281,862; Oct. 15; v. 255; p. 536.
Siegle, John C., Lost Springs, Kans. Evaporating device. No. 1,285,813; Nov. 26; v. 256; p. 717.
Siegwart, Hans, Lucerne, Switzerland. Machine for making reinforced tubular bodies from concrete. No. 1,263,613; Apr. 23; v. 249; p. 816.
Siemann, Henry M., Fort Lupton, Colo. Drill. No. 1,254,859; Jan. 29; v. 246; p. 1104.
Siemens & Co., Gebruder. (See Egly, Georg, assignor.)
Siemens & Halske, A. G. (See Franke, Adolf, assignor.)
Siemens & Halske Aktiengesellschaft. (See Grabe, Georg, assignor.)
Siemens Schuckertwerke G. m. b. H. (See Hinsch, Johannes, assignor.)
Siemens-Schuckertwerke G. m. b. H. (See Meyer and Waltz, assignors.)
Siemens-Schuckertwerke, G. m. b. H. (See Rüdenberg, Reinhold, assignor.)
Siemieczko, Jozef, Kingston, W. Va. Mouse-trap. No. 1,288,712; Dec. 24; v. 257; p. 716.
Sieniawski, Nick. (See Kopczyk, John, assignor.)
Sierad, Albert E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Restraining device for electric switches. No. 1,253,286; Jan. 15; v. 246; p. 598.
Sieurin, Sven E., Höganäs, Sweden. Manufacture of carbon electrodes. No. 1,282,475; Oct. 22; v. 255; p. 742.
Sieveking, Martinus, Lake Mahopac, N. Y. Internal-combustion engine. No. 1,252,045; Jan. 1; v. 246; p. 177.
Sieverkropp, Henry R., Racine, Wis. Engine-starter. No. 1,253,287; Jan. 15; v. 246; p. 599.
Sievers, Ernst, New York, N. Y. Dental-floss holder and manipulator. No. 1,279,026; Sept. 17; v. 254; p. 513.
Siewert, Lawrence C., Trempealeau, Wis. Oil-can. No. 1,270,337; June 25; v. 251; p. 705.
Sigler, Charles A., Bloomfield, Nebr. Cultivator attachment. No. 1,253,102; Jan. 8; v. 246; p. 517.
Sigler, Charles B., assignor of one-third to H. E. Johnson, Knightstown, Ind. Game-board. No. 1,268,397; June 4; v. 251; p. 93.
Sign, Fred, Westboro, Wis. Weapon. No. 1,252,853; Jan. 8; v. 246; p. 440.
Signode System. (See Andrews, Jerome E., assignor.)
Signode System. (See Rothermel, Curtis J., assignor.) (Reissue.)

Signode System Incorporated. (See Flora, Ellsworth E., assignor.)
Sigurdson, Eirikur H., Winnipeg, Manitoba, Canada. Mechanical movement. No. 1,268,289; June 4; v. 251; p. 62.
Sikes, Russell H., Los Angeles, Cal. Power-stitcher for retreading automobile-tires. No. 1,283,337; Oct. 29; v. 255; p. 1002.
Silbar, Joseph I., St. Paul, Minn. Automobile thief-alarm. No. 1,271,624; July 9; v. 252; p. 277.
Silberg, Carl T., Bellingham, Wash. Clamp. No. 1,267,918; May 28; v. 250; p. 932.
Silberg, Carl T., Bellingham, Wash. Splice for joiners. No. 1,272,131; July 9; v. 252; p. 421.
Silberman, Jacob. (See Eddy, Thomas R., assignor.)
Silberrad, Oswald, Buckhurst Hill, England. Sulfur dye. No. 1,268,803; June 4; v. 251; p. 208.
Silberstein, Samuel. (See Taylor, Thomas H., assignor.)
Silcock, Robert H., Buffalo Gap, S. D. Automatic feeding mechanism for hard-grease cups. No. 1,251,702; Jan. 1; v. 246; p. 78.
Silent Valve Motors Corporation. (See Russell, Edwin I., assignor.)
Silk, Thomas, Martins Ferry, Ohio. Spiral sheet-metal pipe. No. 1,263,340; Apr. 16; v. 249; p. 719.
Silkman, Edwin F., Fort Sherman, Canal Zone. Button-attaching device. No. 1,258,483; Mar. 5; v. 248; p. 155.
Sill, John H., Towanda, Pa. Combined chair and table. No. 1,269,967; June 18; v. 251; p. 578.
Sill, Samuel J., assignor of one-half to H. H. Hewitt, Buffalo, N. Y. Hose-making machine. No. 1,258,820; Mar. 12; v. 248; p. 292.
Sillcocks-Miller Company, The. (See Sillcocks, Warren S., assignor.)
Sillcocks, Warren S., New York, N. Y., assignor to The Sillcocks-Miller Company, South Orange, N. J. Composite celluloid sheet. No. 1,257,541; Feb. 26; v. 247; p. 822.
Silsbee, James A., Elmira, N. Y. Universal-motion-operating device. No. 1,285,814; Nov. 26; v. 256; p. 717.
Silva, Custodio. (See Pereira and Silva.)
Silva, Joaquin F., Central Lutgardita, Cuba. Apparatus for unloading railway-cars. No. 1,268,504; June 4; v. 251; p. 123.
Silva, Juan M., Pueblo, Colo. Nut-lock. No. 1,263,948; Apr. 23; v. 249; p. 909.
Silva, Manuel F., Centerville, Cal. Elevator. No. 1,277,763; Sept. 3; v. 254; p. 121.
Silva, Michael J. (See Ehrhardt, George, assignor.)
Silver, Bennett C., Chicago, Ill. Child's swing-seat. No. 1,265,126; May 7; v. 250; p. 71.
Silver-Chamberlin Company. (See Wilson, Joseph T., assignor.)
Silver, James W., Salt Lake City, Utah. Ore-car. No. 1,262,108; Apr. 9; v. 249; p. 344.
Silver, Joseph A., New York, N. Y. Railway-tie. No. 1,281,086; Oct. 8; v. 255; p. 294.
Silverberg, Harry, and C. W. Burger, Washington, D. C., assignors of one-fourth to said Burger and three-fourths to said Silverberg. Buttonhole-cutting machine. No. 1,268,398; June 4; v. 251; p. 94.
Silveria, Frank J., Nipomo, Cal. Harrow. No. 1,264,447; Apr. 30; v. 249; p. 1080.
Silverman, Alexander, Pittsburgh, Pa. Illuminator for microscopes. No. 1,267,287; May 21; v. 250; p. 727.
Silvernail, George E., Galveston, Tex. Surf-toboggan. No. 1,262,989; Apr. 16; v. 249; p. 622.
Silverthorne, William E. (See Ferguson, George E., assignor.)
Silverton, Claude C., New York, N. Y. Window-refrigerator. No. 1,280,109; Sept. 24; v. 254; p. 837.
Silvester, Joseph, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Superimposable bed. No. 1,275,774; Aug. 13; v. 253; p. 426.
Silvius, Ellis T., Indianapolis, Ind. Filing appliance. No. 1,263,614; Apr. 23; v. 249; p. 817.
Simanik, Charles, Calder Station, Saskatchewan, Canada. Range-finder. No. 1,288,713; Dec. 24; v. 257; p. 716.
Simatić, Ivan, Cokeburg, Pa. Horseshoe. No. 1,263,135; Apr. 16; v. 249; p. 665.
Simcoe, Carroll S., Allentown, Pa. Wear-peg for shoes. No. 1,280,882; Oct. 8; v. 255; p. 239.
Simcox, Edward C., Columbus, Ohio. Game. No. 1,282,964; Oct. 29; v. 255; p. 905.
Simek, Frank, assignor to Columbia Fastener Company, Chicago, Ill. Snap-fastener. No. 1,279,923; Sept. 24; v. 254; p. 787.
Simkins, Alexander G., Grimes, Cal. Automatic railway-crossing-gate-operating mechanism. No. 1,282,005; Oct. 15; v. 255; p. 572.
Simko, Andrew, Passaic, N. J. Motor street-cleaner. No. 1,275,322; Aug. 13; v. 253; p. 301.
Simmance, John F., and J. Abady, London, England. Apparatus for and actuated by gases of varying density. No. 1,264,985; May 7; v. 250; p. 31.
Simmen, Paul J., Indianapolis, Ind. Train-despatching system. No. 1,257,412; Feb. 26; v. 247; p. 782.
Simmen, Paul J., Buffalo, N. Y. Automatic moving-vehicle control. No. 1,266,871; May 21; v. 250; p. 611.
Simmen, Paul J., Buffalo, N. Y. Track-hazard indicator No. 1,287,474; Dec. 10; v. 257; p. 351.
Simmon, Karl A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,255,475; Feb. 5; v. 247; p. 104.
Simmon, Karl A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifier system. No. 1,281,863; Oct. 15; v. 255; p. 537.
Simmon, Karl A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Supply system for railway-vehicles. No. 1,286,130; Nov. 26; v. 256; p. 793.
Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,258,050; Mar. 5; v. 248; p. 29.
Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Liquid rheostat. No. 1,277,495; Sept. 3; v. 254; p. 45.
Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,284,798; Nov. 12; v. 256; p. 380.
Simmon, Karl A., Edgewood Park, and P. L. Mardis, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,270,885; July 2; v. 252; p. 37.
Simmon, Karl A., Edgewood Park, and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,279,027; Sept. 17; v. 254; p. 514.
Simmon, Karl A., Edgewood Park, and H. T. Morris, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,289,284; Dec. 31; v. 257; p. 879.
Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,261,169; Apr. 2; v. 249; p. 50.
Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Controller. No. 1,267,919; May 28; v. 250; p. 933.
Simmonds, John J., Lawrence, Kans. Tile-cutter. No. 1,275,775; Aug. 13; v. 253; p. 426.
Simmons, Albert H., Orland, Cal. Water-level-regulating device. No. 1,259,791; Mar. 19; v. 248; p. 600.
Simmons, Arthur W., Lufkin, Tex. Driving-box. No.
Simmons, Albert H., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,253,737; Jan. 15; v. 246; p. 730. 1,279,562; Dec. 31; v. 257; p. 949.
Simmons, Burt, Palms, Cal. Shock-preventing device for railway-crossings. No. 1,279,028; Sept. 17; v. 254; p. 514.
Simmons, Claude, Gibson City, Ill. Cut-off for grain-spouts. No. 1,283,929; Nov. 5; v. 256; p. 129.
Simmons Company. (See Kusterle, Frank, assignor.)
Simmons Company. (See McMullen, Earle W., assignor.)
Simmons Company. (See Schorn, Anthoney, assignor.)
Simmons Company. (See Travis, Don C., assignor.)
Simmons Forced Draft Company. (See Simmons, Lee H., assignor.)
Simmons, Frank L. Millbury, Mass., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Magnetic chuck. No. 1,254,736; Jan. 29; v. 246; p. 1066.
Simmons, George T., Janesville, Wis. Spark-plug. No. 1,255,805; Feb. 5; v. 247; p. 200.
Simmons, J. E. (See Zeman, Joseph F., assignor.)
Simmons, Jesse C., assignor to The Four Drive Tractor Co., Big Rapids, Mich. Four-wheel-drive tractor. No. 1,262,109; Apr. 9; v. 249; p. 344.
Simmons, Jesse C., assignor to The Four Drive Tractor Company, Big Rapids, Mich. Tractor-gearing. No. 1,269,755; June 18; v. 251; p. 521.
Simmons, Joseph, New York, N. Y. Tooth-brush. No. 1,285,815; Nov. 26; v. 256; p. 717.
Simmons, Lee H., Goldsboro, N. C., assignor to Simmons Forced Draft Company. Forced-draft furnace-grate. No. 1,270,065; June 18; v. 251; p. 604.
Simmons Manufacturing Co., The. (See Simmons, Paul R., assignor.)
Simmons Manufacturing Company. (See Gail, John F., assignor.)
Simmons Manufacturing Company. (See Irelan, Alfred E., assignor.)
Simmons Manufacturing Company, The. (See Kusterlee, Frank, assignor.)
Simmons, Oliver G., Rochester, N. Y. Hobbing-cutter. No. 1,269,123; June 11; v. 251; p. 315.
Simmons, Oliver G., assignor to Simmons Wheel Company, San Antonio, Tex. Pressed-metal wheel. No. 1,282,305; Oct. 22; v. 255; p. 696.
Simmons, Oliver G., assignor to Simmons Wheel Company, San Antonio, Tex. Pressed-metal wheel. No. 1,282,306; Oct. 22; v. 255; p. 697.
Simmons, Oscar C., Hamlin, Tex. Adjustable window-shade support. No. 1,271,954; July 9; v. 252; p. 368.
Simmons, Paul R., assignor to The Simmons Manufacturing Co., Huntington, Ind. Dish-forming machine. No. 1,273,009; July 16; v. 252; p. 694.
Simmons, Ralph C., Beverly, Mass. Pencil-sharpening device. No. 1,256,383; Feb. 12; v. 247; p. 413.

Simmons, Ralph C., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Blank-cutting machine. No. 1,275,617; Aug. 13; v. 253; p. 382.
Simmons, Ralph C., Beverly, Mass., assignor, by mesne assignments to United Shoe Machinery Corporation, Paterson, N. J. Heel-breasting machine. No. 1,277,764; Sept. 3; v. 254; p. 121.
Simmons Wheel Company. (See Simmons, Oliver G., assignor.)
Simmons, William A., St. Louis, Mo. Hose-supporter. No. 1,287,475; Dec. 10; v. 257; p. 352.
Simms, Harold H. (See Beck, Alwin, assignor.)
Simon, Abraham A., New York, N. Y. Potato-peeler. No. 1,289,563; Dec. 31; v. 257; p. 949.
Simon, Arthur. (See Henderson and Simon.)
Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for dynamo-electric machines. No. 1,278,770; Sept. 10; v. 254; p. 414.
Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit-controller. No. 1,284,937; Nov. 12; v. 256; p. 416.
Simon, Emil J., New York, N. Y. Spark-gap for the production of powerful electrical oscillations. No. 1,253,103; Jan. 8; v. 246; p. 517.
Simon, Frank M., *et al.* (See Gillette, Amos H., assignor.)
Simon, Fred W. (See Foster, Baldwin H., assignor.)
Simon, George, and F. Balzer, Chicago, Ill., assignors to Troy Laundry Machinery Company. Reversing mechanism for washing-machines. No. 1,264,340; Apr. 30; v. 249; p. 1048.
Simon, Henry, Laguna Beach, Cal. Miter-box. No. 1,259,920; Mar. 19; v. 248; p. 639.
Simon, Jacob P., Beaumont, Tex. Roof structure. No. 1,283,338; Oct. 29; v. 255; p. 1003.
Simon, Maurice, St. Louis, Mo. Electric fluid-heater. No. 1,282,476; Oct. 22; v. 255; p. 742.
Simon, Solis C., Philadelphia, Pa. Radiator-cover for automobiles. No. 1,260,585; Mar. 26; v. 248; p. 865.
Simon, Victor F., Chicago, Ill. Nut-blanching machine. No. 1,275,314; Aug. 13; v. 253; p. 298.
Simon Zinn Inc. (See Quigan, Frank J., assignor.)
Simonds Manufacturing Company. (See Carlson, Theodore T., assignor.)
Simones, Frank, Blue Jay, W. Va. Bolt or spike extractor. No. 1,284,938; Nov. 12; v. 256; p. 417.
Simons, Edward M., Bradford, Vt. Music-leaf turner. No. 1,259,792; Mar. 19; v. 248; p. 600.
Simons, Ernest D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Gang setting-machine. No. 1,255,825; Feb. 5; v. 247; p. 205.
Simons, Ernest D., New Haven, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button. No. 1,257,642; Feb. 26; v. 247; p. 851.
Simons, Frank M., *et al.* (See Gillette, Amos H., assignor.)
Simons, M. A. (See Berryman, Joseph W., assignor.)
Simons, William J., *et al.* (See Gillette, Amos H., assignor.)
Simonson, Alfred W., Minneapolis, Minn. Window-ventilator. No. 1,256,836; Feb. 19; v. 247; p. 580.
Simonson, Robert, Mariveles, Philippine Islands. Building material and house construction. No. 1,256,384; Feb. 12; v. 247; p. 414.
Simonsson, Wilhelm, New York, N. Y. Weighing-scale. No. 1,254,369; Jan. 22; v. 246; p. 931.
Simonsson, Wilhelm, New York, N. Y. Measuring instrument. No. 1,271,491; July 2; v. 252; p. 205.
Simonton, Edmund H., Gary, S. D. Roller-screen. No. 1,258,366; Mar. 5; v. 248; p. 120.
Simovitz, Isidor, New York, N. Y. Flushing device. No. 1,287,476; Dec. 10; v. 257; p. 352.
Simpkins, Norman. (See Myers, Melvin A., assignor.)
Simpkins, William. (See Myers, Melvin A., assignor.)
Simplex Concrete Piling Company, The. (See Shuman, Frank, assignor.)
Simplex Lithograph Company. (See Stenz, Bernard F., assignor.)
Simplex Metal Products Company, The. (See Phillips, Clarence H., assignor.)
Simplex Photo Products Co. (See Gruss, Otto H., assignor.)
Simplex Protective Stopper Co., The. (See Gruver, Joseph H., assignor.)
Simplex Refining Company. (See Trumble, Milon J., assignor.)
Simplex Time Recorder Co. (See Stowell, Smith, and Cosgrove, assignors.)
Simplex Window Company. (See Soule, Arthur C., assignor.)
Simplex Wire Cable Company. (See Laws and Dawes, assignors.)
Simpson, Alexander B., Jersey City, N. J. Electrical insulator. No. 1,258,051; Mar. 5; v. 248; p. 30.
Simpson, Alexander B., Hollis, N. Y. Vehicle-wheel. No. 1,264,696; Apr. 30; v. 249; p. 1148.
Simpson, Alexander B., Jersey City, N. J. Electrical insulator. No. 1,281,678; Oct. 15; v. 255; p. 486.
Simpson, Clarence H., assignor to Old Virginia Orchard Co. Inc., Front Royal, Va. Apple-jam. No. 1,262,399; Apr. 9; v. 249; p. 427.
Simpson, Earl J., Schenectady, N. Y. Game-board. No. 1,269,560; June 11; v. 251; p. 434.
Simpson, Edwin I., Philadelphia, Pa. Golf-bag. No. 1,271,784; July 9; v. 252; p. 320.
Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Door-flapper. No. 1,276,276; Aug. 20; v. 253; p. 596.
Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Window-lifter. No. 1,276,277; Aug. 20; v. 253; p. 597.
Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Wire-winding machine. No. 1,278,043; Sept. 3; v. 254; p. 194.
Simpson, Emory G., assignor to Ternstedt Manufacturing Co., Detroit, Mich. Window-lifter stop. No. 1,278,771; Sept. 10; v. 254; p. 414.
Simpson, Francis W. and R., Otley, England. Press suitable for pressing cheese or meat. No. 1,267,920; May 28; v. 250; p. 933.
Simpson, Fred D., Lone Grove, assignor of one-half to J. R. Taliaferro, Ardmore, Okla. Rake. No. 1,279,597; Sept. 24; v. 254; p. 692.
Simpson, Frederick G., Seattle, Wash. Wireless-telegraph apparatus. No. 1,258,157; Mar. 5; v. 248; p. 60.
Simpson, George W., Stroud, Okla. Well-drill. No. 1,287,477; Dec. 10; v. 257; p. 352.
Simpson, Henry H. (See Skahen, Patrick D., assignor.)
Simpson, Isabella M. J., London, England. Mosquito and fly protective head-gear. No. 1,287,478; Dec. 10; v. 257; p. 352.
Simpson, James E., Brooklyn, N. Y. Type-writing machine. No. 1,258,484; Mar. 5; v. 248; p. 155.
Simpson, James E., Brooklyn, N. Y. Type-writing machine. No. 1,262,856; Apr. 16; v. 249; p. 585.
Simpson, James J., Lone Grove, Okla. Buck-rake. No. 1,256,176; Feb. 12; v. 247; p. 351.
Simpson, John H., Providence, R. I., assignor to B. F. Bain, Pittsburgh, Pa. Toy. (Reissue.) No. 14,425; Jan. 22; v. 246; p. 1009.
Simpson, John O., assignor to Remington Arms & Ammunition Company, Ilion, N. Y. Sight for firearms. No. 1,265,266; May 7; v. 250; p. 108.
Simpson, John R., Troy, Ohio. Disintegrating-machine. No. 1,258,953; Mar. 12; v. 248; p. 330.
Simpson, Joseph P., Pomona, Cal. Smokeless orchard-heater. No. 1,253,288; Jan. 15; v. 246; p. 599.
Simpson, Leo L., assignor to A. H. Sroufe, Seattle, Wash. Electric furnace. No. 1,288,240; Dec. 17; v. 257; p. 574.
Simpson, Leon G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens-grinding machine. No. 1,272,546; July 16; v. 252; p. 561.
Simpson, Leon G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Astigmatic-lens-grinding mechanism. No. 1,287,479; Dec. 10; v. 257; p. 352.
Simpson, Lowe E., assignor to The Orville Simpson Company, Cincinnati, Ohio. Sifting-machine. No. 1,265,267; May 7; v. 250; p. 109.
Simpson, Percy, London, England. Printer's quoin. No. 1,254,370; Jan. 22; v. 246; p. 931.
Simpson, Robert. (See Simpson, Francis W. and R.)
Simpson, Robert, Otley, England. Boot and shoe cleaning device. No. 1,273,680; July 23; v. 252; p. 899.
Simpson, Robert D., assignor, by mesne assignments, to The Columbus Steel Products Company, Columbus, Ohio. Meter connection. No. 1,284,160; Nov. 5; v. 256; p. 191.
Simpson, Sumner, assignor to The Raybestos Co., Bridgeport, Conn. Clutch-facing. No. 1,270,559; June 25; v. 251; p. 767.
Simpson, Sumner, assignor to The Raybestos Company, Bridgeport, Conn. Clutch-facing. No. 1,281,219; Oct. 8; v. 255; p. 331.
Simpson, William H., Chicago, Ill. Self-binding sheet-music cover. No. 1,253,435; Jan. 15; v. 246; p. 645.
Simpson, Willis H. (See Gamage, Harry C., assignor.)
Simrall, James, Glass, Miss. Cultivator. No. 1,288,241; Dec. 17; v. 257; p. 574.
Sims, Fred D., Oakland, Cal. Beet puller and topping machine. No. 1,258,367; Mar. 5; v. 248; p. 120.
Sims, Frederick L. H., Toronto, Ontario, Canada. Internal-combustion motor. No. 1,286,431; Dec. 3; v. 257; p. 61.
Sims, Frederick L. H., assignor to The Diaphone Signal Company, Limited, Toronto, Ontario, Canada. Key-bolt. No. 1,266,334; May 14; v. 250; p. 433.
Sims, Taylor J., Teague, Tex. Spring-motor. No. 1,258,158; Mar. 5; v. 248; p. 61.
Sincare, Antonio C., Winthrop, Mass. Folding steering-wheel. No. 1,268,505; June 4; v. 251; p. 124.
Sincare, Antonio C., Winthrop, Mass. Pivoted steering-wheel. No. 1,268,506; June 4; v. 251; p. 124.
Sinclair, Agnes S. L., San Antonio, Tex. Wind and bug shield for lamp-chimneys. No. 1,285,435; Nov. 19; v. 256; p. 582.
Sinclair, Earl M., administrator. (See Harrison, John O.)
Sinclair, Edward T., Oklahoma, Okla. Attachment for internal-combustion engines. No. 1,265,268; May 7; v. 250; p. 109.
Sinclair, George. (See McGann, Owen J., assignor.)
Sinclair, George B. (See Severy and Sinclair.)

Alphabetical list of patentees—Continued.

Sinclair, George W., Petersham, England. Granulating calcium cyanamid. No. 1,278,044; Sept. 3; v. 254; p. 194.
Sinclair, Howard W. (See Mumford and Sinclair.)
Sinclair, Montie L. (See Lahlke and Sinclair.)
Sinclair, Neil, Oakland, Cal. Extensible bed. No. 1,287,120; Dec. 10; v. 257; p. 266.
Sinclair Refining Company. (See Isom, Edward W., assignor.)
Sinclair, William D., Baker, Oreg. Refrigerator. No. 1,286,192; Nov. 26; v. 256; p. 809.
Sindelar, Lambert J., Howell, Nebr. Knob and the like. No. 1,284,799; Nov. 12; v. 256; p. 380.
Sindermann, August F., Marathon, Wis. Automobile-shifting-lever lock. No. 1,258,821; Mar. 12; v. 248; p. 292.
Sinderson, Charles H., Rockford, Ill. Furnace. No. 1,261,306; Apr. 2; v. 249; p. 89.
Sinding-Larsen, Alf, Vestre Aker, near Christiania, Norway. Production of iron sponge from iron ore. No. 1,256,939; Feb. 19; v. 247; p. 610.
Sindoni, Giuseppe, Brooklyn, N. Y. Window. No. 1,278,394; Sept. 10; v. 254; p. 313.
Sindt, John C., Peetz, Colo. Packer-rim. No. 1,270,560; June 25; v. 251; p. 767.
Singelyn, Adolph, Detroit, Mich. Ash-sifter. No. 1,260,823; Mar. 26; v. 248; p. 933.
Singer, Alexander, Peekskill, N. Y. Chair attachment. No. 1,269,325; June 11; v. 251; p. 372.
Singer, Charles, New York, N. Y. Shovel. No. 1,263,949; Apr. 23; v. 249; p. 909.
Singer, Frank J., assignor to American Pressweld Radiator Corporation, Detroit, Mich. Testing-machine. No. 1,286,432; Dec. 3; v. 257; p. 61.
Singer, Frank J., assignor to American Pressweld Radiator Corporation, Detroit, Mich. Radiator. No. 1,286,433; Dec. 3; v. 257; p. 61.
Singer, Frederick O., assignor to S. Mandel and M. Mandel, Chicago, Ill. Educational toy device. No. 1,278,395; Sept. 10; v. 254; p. 313.
Singer, George W., South Bend, Ind. Sofa-bed. No. 1,257,542; Feb. 26; v. 247; p. 822.
Singer, Jacob J., St. Louis, Mo. Illuminating device for transparent pictures and photographic negatives. No. 1,272,547; July 16; v. 252; p. 562.
Singer, John W., Calexico, Cal. Cylinder-grinder. No. 1,260,080; Mar. 19; v. 248; p. 685.
Singer, Lazar, New York, N. Y. Cigarette-case. No. 1,265,538; May 7; v. 250; p. 182.
Singer Manufacturing Company, The. (See Abercrombie, Charles M., assignor.)
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.) (Reissue.)
Singer Manufacturing Company, The. (See Allen and Crosby, assignors.)
Singer Manufacturing Company, The. (See Barron, William L., assignor.)
Singer Manufacturing Company, The. (See Barron and Osol, assignors.)
Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
Singer Manufacturing Company, The. (See Corrall, Herbert, assignor.)
Singer Manufacturing Company, The. (See Corrall and Forbes, assignors.)
Singer Manufacturing Company, The. (See Corrall and Leslie, assignors.)
Singer Manufacturing Company, The. (See Corrall and Stevens, assignors.)
Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
Singer Manufacturing Company, The. (See Dosch, Oliver L., assignor.)
Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
Singer Manufacturing Company, The. (See Grieb, Alfred, assignor.)
Singer Manufacturing Company. (See Harmon, Frank L., assignor.)
Singer Manufacturing Company, The. (See Heggie, James, assignor.)
Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
Singer Manufacturing Company, The. (See Herr, Park A., assignor.)
Singer Manufacturing Company, The. (See Horton, Charles M., assignor.)
Singer Manufacturing Company, The. (See Hugg, William H., assignor.)
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Singer Manufacturing Company, The. (See Michener, Wayland D., assignor.)
Singer Manufacturing Company, The. (See Molyneux, George E., assignor.)
Singer Manufacturing Company, The. (See Molyneux and Gatchell, assignors.)
Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
Singer Manufacturing Company, The. (See Peddie, Sidney F., assignor.)
Singer Manufacturing Company, The. (See Ringe, John C., assignor.)
Singer Manufacturing Company, The. (See Ströbeck, Frans T., assignor.)
Singerman, Morris R., New York, N. Y. Shock-absorber. No. 1,279,463; Sept. 17; v. 254; p. 630.
Singers, Earl H., Heltonville, and R. Loffland, assignors to Cement Products Company, Worthington, Ind. Stave-mold. No. 1,285,816; Nov. 26; v. 256; p. 717.
Singiser, John P., Rochester, N. Y. Automatic valve. No. 1,252,046; Jan. 1; v. 246; p. 178.
Singleterry, Carter W., Downers Grove, assignor of one-fourth to E. D. Schuth and one-fourth to W. F. Schuth, Chicago, Ill. Clothes-drier. No. 1,269,012; June 11; v. 251; p. 284.
Singleton, Edward O. (See Engelland, Charles, assignor.)
Singleton, Samel, Atlanta, Ga. Buttering device. No. 1,260,822; Mar. 26; v. 248; p. 933.
Singleton, Stephen G., Burke, Idaho. Tray. No. 1,267,810; May 28; v. 250; p. 901.
Singmaster, James A., and F. G. Breyer, Palmerton, Pa., assignors to New Jersey Zinc Company, New York, N. Y. Zinc-lead pigment. No. 1,257,136; Feb. 19; v. 247; p. 666.
Sinjem, Ingvald, Hayfield, Minn. Adjustable bed. No. 1,269,868; June 18; v. 251; p. 554.
Sinkes, Roscoe C., Chicago, Ill. Apparatus for manufacturing ice. No. 1,268,168; June 4; v. 251; p. 28.
Sinks, Asher O., Portland, Oreg. Combination robe-carrier and table. No. 1,260,467; Mar. 26; v. 248; p. 828.
Sinnott, Gilbert J., Brooklyn, assignor to American High Speed Press Company, New York, N. Y. Chase. No. 1,262,857; Apr. 16; v. 249; p. 585.
Sinpar Company, The. (See Morris, James W., assignor.)
Sinsabaugh, Charles F., South Waverly, Pa., assignor of one-third to C. A. Taylor, Sayre, Ind. Valve-rod clamp. No. 1,268,636; June 4; v. 251; p. 162.
Sinsou, Jean P., Levallois-Perret, assignor to Société Anonyme des Amortisseurs et Suspensions "Oleo Pneumatiques," Billancourt, France. Shock-absorbing arrangement for vehicles. No. 1,278,772; Sept. 10; v. 254; p. 415.
Sipe, Bruce E., Hiawatha, Kans. Hog-oiler. No. 1,252,728; Jan. 8; v. 246; p. 406.
Sipe, James B. (See Hartman, Alfred E., assignor.)
Sipher, Edmund F., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Shielding system for vapor-converters. No. 1,272,548; July 16; v. 252; p. 562.
Sipp, Grant, Paterson, N. J. Warping and beaming machine. No. 1,262,858; Apr. 16; v. 249; p. 585.
Sipp, Grant, Paterson, N. J. Automatic feed mechanism for drill-presses. No. 1,265,269; May 7; v. 250; p. 109.
Sippel, Erwin W., Seattle, Wash. Check-protector. No. 1,266,872; May 21; v. 250; p. 612.
Sippel, William H., Indianapolis, Ind. Spark-plug. No. 1,288,242; Dec. 17; v. 257; p. 574.
Siptrott, Paul, New York, N. Y. Mold. No. 1,270,886; July 2; v. 252; p. 38.
Sirand, Auguste, Constantine, Algeria. Pivot-lathe. No. 1,261,062; Apr. 2; v. 249; p. 20.
Sirett, Percy W. (See Street and Sirett.)
Sis, Sebastian, St. Paul, assignor of one-half to E. Hoehl, St. Cloud, Minn. Milking-machine. No. 1,255,239; Feb. 5; v. 247; p. 35.
Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Convertible couch. No. 1,262,706; Apr. 16; v. 249; p. 541.
Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Extension-couch. No. 1,271,955; July 9; v. 252; p. 369.
Siskin, Harry, Los Angeles, Cal. Phonograph-cabinet library-table. No. 1,266,169; May 14; v. 250; p. 389.
Sisson, Clement F., White Pigeon, Mich. Device or machine for inserting filler bars in beater-rolls. No. 1,278,045; Sept. 3; v. 254; p. 194.
Sisson, Eugene A., Worcester, Mass., assignor to Universal Patents Company, Woonsocket, R. I. Woven carrier. No. 1,286,814; Dec. 3; v. 257; p. 150.
Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Sheet-metal car end. No. 1,254,860; Jan. 29; v. 246; p. 1105.
Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Metal end for railway-cars. (Reissue.) No. 14,434; Feb. 19; v. 247; p. 718.
Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Drop-end gondola car. No. 1,260,468; Mar. 26; v. 248; p. 828.
Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Pressed-steel car end. No. 1,265,714; May 7; v. 250; p. 228.
Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Sheet-metal end structure for railway-cars. No. 1,271,234; July 2; v. 252; p. 137.
Sito, Shinichiro, Prairie City, Oreg. Lamp-shade. No. 1,271,091; July 2; v. 252; p. 95.
Sivard, Einar L. M., Amityville, N. Y. Winch mechanism for raising and lowering life-boats. No. 1,253,541; Jan. 15; v. 246; p. 673.
Sivard, Einar L. M., New York, N. Y. Davit or hoisting and lowering apparatus for ships' boats. No. 1,258,485; Mar. 5; v. 248; p. 155.

Siverly, Clyde L., *et al.* (See Mettlin, Thomas E., assignor.)
Siverson, Simeon, Seattle, assignor to C. G. Arvidson, King county, Wash. Spark-arrester. No. 1,283,576; Nov. 5; v. 256; p. 35.
Siverts, Samuel A., Jr. (See Sperry and Boomer, assignors.)
Sivils, Jefferson D., Sacramento, Cal. Automobile-signal. No. 1,258,954; Mar. 12; v. 248; p. 330.
Sivley, Joseph W., Trinity, Ala. Cultivator. No. 1,260,079; Mar. 19; v. 248; p. 685.
Sjögren, Charl, Wessington Springs, S. D. Vehicle-wheel. No. 1,259,147; Mar. 12; v. 248; p. 387.
Sjogren, George, assignor of one-fourth to K. A. Carlson, Toronto, Ontario, Canada. Flexible oil-can spout. No. 1,279,029; Sept. 17; v. 254; p. 514.
Sjolander, Charles P., and O. D. Bush, Mammoth, Cal. Transmission-gear. No. 1,261,307; Apr. 2; v. 249; p. 90.
Sjostrom, Adi W., Waltham, Mass. Vehicle-runner. No. 1,253,738; Jan. 15; v. 246; p. 731.
Sjostrom, Peter, Malden, assignor to Victor Shoe Machinery Company, Boston, Mass. Lock-stitch sewing-machine. No. 1,286,434; Dec. 3; v. 257; p. 62.
Skaar, Ole, Akron, Ohio. Can-opener. No. 1,284,161; Nov. 5; v. 256; p. 191.
Skadberg, John, Duluth, Minn. Resilient wheel. No. 1,276,980; Aug. 27; v. 253; p. 825.
Skaggs, John N., Lewellen, Nebr. Calf and colt weaner. No. 1,287,480; Dec. 10; v. 257; p. 353.
Skahen, Patrick D., Syracuse, assignor, by mesne assignments, to H. H. Simpson, Brooklyn, N. Y. Antiskidding device for vehicles. No. 1,275,483; Aug. 13; v. 253; p. 344.
Skahen, Patrick D., Syracuse, assignor, by mesne assignments, to H. H. Simpson, Brooklyn, N. Y. Antiskidding attachment. No. 1,275,484; Aug. 13; v. 253; p. 345.
Skahen, Patrick D., Syracuse, assignor, by mesne assignments, to H. H. Simpson, Brooklyn, N. Y. Antiskidding device. No. 1,275,485; Aug. 13; v. 253; p. 345.
Skall, Max A., New York, N. Y. Display-fixture. No. 1,280,883; Oct. 8; v. 255; p. 239.
Skau, Meinich, assignor to Acme Appliance Company, Chicago, Ill. Ink-roller. No. 1,287,121; Dec. 10; v. 257; p. 266.
Skeel, Frederick F., Chicago, Ill., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical connection and box. No. 1,283,339; Oct. 29; v. 255; p. 1003.
Skeel, Frederick F., Chicago, Ill., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical connection and box. No. 1,283,340; Oct. 29; v. 255; p. 1003.
Skeels, Ray M., Buffalo, N. Y. Device for wrapping or forming cigarettes. No. 1,266,725; May 21; v. 250; p. 571.
Skeen, Jesse B., Los Angeles, Cal. Mechanical calculator. No. 1,288,448; Dec. 17; v. 257; p. 622.
Skeith, Isaac L., and W. B. Burrows, Vancouver, British Columbia, Canada, assignors to Sumner Iron Works, Everett, Wash. Power lifting mechanism for saw-trimmers. No. 1,267,130; May 21; v. 250; p. 686.
Skells, Arthur L., Henry, S. D. Automatic speed control for automobiles. No. 1,277,267; Aug. 27; v. 253; p. 901.
Skelly, Bernard H., Bridgeport, Conn. Lubricator. No. 1,269,869; June 18; v. 251; p. 554.
Skelton, Julian M., Peoria, assignor of thirty-five one-hundredths to E. L. Parks, Peoria Heights, Ill. Extension-table. No. 1,282,307; Oct. 22; v. 255; p. 697.
Skelton, L. S. (See Westbury, William, assignor.)
Skelton, Levi S., Okmulgee, Okla. Glass-drawing pot. No. 1,258,159; Mar. 5; v. 248; p. 61.
Skelton, Levi S., Okmulgee, Okla. Take-down device for glass-drawing apparatus. No. 1,260,081; Mar. 19; v. 248; p. 686.
Skelton, Murray L. M. (See Wright, John W., assignor.)
Skerl, Francisco, assignor to The National Cash Register Company, Dayton, Ohio. Money-changer. No. 1,279,598; Sept. 24; v. 254; p. 692.
Skerl, Francesco, assignor to The National Cash Register Company, Dayton, Ohio. Ticket-issuing machine. No. 1,287,122; Dec. 10; v. 257; p. 266.
Skerl, Francesco, assignor to The National Cash Register Company, Dayton, Ohio. Coin-controlled ticket-issuing machine. No. 1,288,243; Dec. 17; v. 257; p. 574.
Skerrett, John F., *et al.* (See Cobb, Bayard G., assignor.)
Sketteno, Joseph, Michigan City, Ind. Collapsible receptacle. No. 1,274,800; Aug. 6; v. 253; p. 130.
Skibinsky, Alexander M. (See Forester, Herbert, assignor.)
Skidmore, Harriet I., St. Louis, Mo. Collar-button. No. 1,264,697; Apr. 30; v. 249; p. 1148.
Skidmore, Oron K., Penns Grove, N. J. Concrete-steel tie. No. 1,283,930; Nov. 5; v. 256; p. 129.
Skidmore, Walter E., East Liverpool, Ohio. Mold. No. 1,262,276; Apr. 9; v. 249; p. 392.
Skiff, Frank S., Portland, Oreg. Amalgamating apparatus. No. 1,268,399; June 4; v. 251; p. 94.
Skillman, Anna L., Pluckemin, N. J. Paper-clip. No. 1,270,451; June 25; v. 251; p. 736.
Skinderviken, Johan, Chicago, Ill., assignor to said Johan Skinderviken, trustee. Telephone-transmitter. No. 1,275,776; Aug. 13; v. 253; p. 426.
Skinderviken, John, assignor of one-half to O. E. Ray, Chicago, Ill. Hat-fastener. No. 1,288,714; Dec. 24; v. 257; p. 716.
Skindfabriken Unicum Kr. Bendixen, P. Bendixen and Company. (See Bendixen, Kristian, assignor.)
Skinner, Allan D., Erie, Pa. Speed-governor. No. 1,287,481; Dec. 10; v. 257; p. 353.
Skinner Company Limited, The. (See Skinner, Frederick V., assignor.)
Skinner Engine Company. (See Glenn, John C., assignor.)
Skinner Engine Company. (See Gorr, Walter B., assignor.)
Skinner, Frederick V., assignor to The Skinner Company Limited, Ganonoque, Ontario, Canada. Hame. No. 1,255,058; Jan. 29; v. 246; p. 1159.
Skinner, Henry A. (See Hinds and Skinner.)
Skinner, James M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Retainer for active material of storage-battery electrodes. No. 1,272,868; July 16; v. 252; p. 656.
Skinner, Le Grand, Erie, Pa. Valve-gear. No. 1,255,476; Feb. 5; v. 247; p. 105.
Skinner, Le Grand, Erie, Pa. Compensating valve-gear. No. 1,270,980; July 2; v. 252; p. 65.
Skinner, Le Grand, Erie, Pa. Valve-gear. No. 1,270,981; July 2; v. 252; p. 65.
Skinner, Le Grand, Erie, Pa. Record-cabinet. No. 1,279,464; Sept. 17; v. 254; p. 630.
Skjenneberg, Anton J., Embretsfos, Modum, Norway. Removing the pulp from continuously-moving screens. No. 1,263,476; Apr. 23; v. 249; p. 780.
Skjonsbye, Axel J., Bourkes, Ontario, Canada. Level. No. 1,265,823; May 14; v. 250; p. 290.
Sklar, Jacob, Philadelphia, Pa. Ladder attachment. No. 1,285,817; Nov. 26; v. 256; p. 717.
Sklar, Jacob, Philadelphia, Pa. Sash-fastener. No. 1,288,244; Dec. 17; v. 257; p. 575.
Sklar, Samuel, Brooklyn, N. Y. Safety-stirrup. No. 1,276,819; Aug. 27; v. 253; p. 783.
Skociokh, John, New Britain, Conn. Bottle-discharging device. No. 1,264,215; Apr. 30; v. 249; p. 1015.
Skoglund, Albert, and J. Bore, Gottenborg, Sweden. Boiler-cleaner. No. 1,267,003; May 21; v. 250; p. 949.
Skok, Lawrence, Cleveland, Ohio. Metal casing for leaf-springs. No. 1,284,482; Nov. 12; v. 256; p. 302.
Skok, Lawrence, Cleveland, Ohio. Metal casing for leaf-springs. No. 1,284,800; Nov. 12; v. 256; p. 380.
Skroback, Frank E. (See Misener, Skroback, and Sanders.)
Skrobacz, John, Olean, N. Y. Balloon-cycle. No. 1,285,818; Nov. 26; v. 256; p. 718.
Skrukrud, Olaf O., Lanesboro, Minn. Countersink. No. 1,267,704; May 28; v. 250; p. 871.
Skublin, Charles P., assignor to W. A. Adams, Detroit, Mich. Tire-pump. No. 1,264,986; May 7; v. 250; p. 31.
Skwarek, John, Lansing, Mich. Scissors-bayonet. No. 1,260,723; Mar. 26; v. 248; p. 905.
Slack, Irvin, assignor of one-fourth to J. Jones, Pagosa Springs, Colo. Railway-tie. No. 1,253,896; Jan. 15; v. 246; p. 776.
Slack, Thomas W., Fort Worth, Tex. Automatic pump and windmill connection. No. 1,272,132; July 9; v. 252; p. 421.
Slack, William V., Franklin, Ind. Combined chair and bed. No. 1,262,110; Apr. 9; v. 249; p. 345.
Sladden, Sidney C., New York, N. Y. Tire-valve. No. 1,267,600; May 28; v. 250; p. 842.
Slade & Miller Co., The. (See Post, Harold L., assignor.)
Slade & Miller Company, The. (See Shaw, George E., assignor.)
Slager, John C., and H. C. Anderton, assignors to The John O. Heinze Company, Springfield, Ohio. Ignition and lighting system for automobiles. No. 1,263,615; Apr. 23; v. 249; p. 817.
Slaght, Daniel C., Easton, Pa., assignor of one-half to P. S. Dyer, Philipsburg, N. J. Traction-wheel. No. 1,274,341; July 30; v. 252; p. 1119.
Slaight, Leland V. (See Spies and Pease, assignors.)
Slate, Robert R., South Boston, and D. D. Staples, Richmond, Va. Dust-gun. No. 1,280,110; Sept. 24; v. 254; p. 837.
Slate, Thomas B., Richmond, Va., assignor to American Mechanical Improvement Company, Washington, D. C. Internal-combustion engine. No. 1,286,435; Dec. 3; v. 257; p. 62.
Slater, August H. (See Slaw, Frank W., assignor.)
Slater, George L. (See Howard and Slater.)
Slater, Guy P., Tulsa, Okla. Derrick. No. 1,269,326; June 11; v. 251; p. 373.
Slater, Henry B., Los Angeles, Cal. Gas-absorption apparatus. No. 1,272,321; July 9; v. 252; p. 474.
Slater, Mabel H., Webster, Mass. Sun-dial and compass. No. 1,258,160; Mar. 5; v. 248; p. 61.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Exhaust-controlling valve for percussive tools. No. 1,278,237; Sept. 10; v. 254; p. 272.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Front-head construction

for percussive tools. No. 1,278,238; Sept. 10; v. 254; p. 272.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for percussive tools. No. 1,289,285; Dec. 31; v. 257; p. 880.
Slater, Mabel H., Webster, Mass. Combined couch and chair. No. 1,261,063; Apr. 2; v. 249; p. 21.
Slater, Mabel H., Webster, Mass. Tape-measure holder and pincushion. No. 1,264,341; Apr. 30; v. 249; p. 1049.
Slater, Mabel H., Webster, Mass. Scout-blanket. No. 1,265,539; May 7; v. 250; p. 182.
Slater, Vern. (See Slater and West, assignors.)
Slater, Vern, and T. C. Stuart, Denver, Colo.; said Stuart assignor to said Slater. Fume-dissipator. No. 1,273,681; July 23; v. 252; p. 899.
Slater, Vern, and L. D. West, assignors, by mesne assignments to Vern Slater, Denver, Colo. Fume-dissemi nator. No. 1,273,682; July 23; v. 252; p. 900.
Slater, Vern, and L. D. West, assignors, by mesne assignments, to Vern Slater, Denver, Colo. Humidifier. No 1,273,683; July 23; v. 252; p. 900.
Slater, William A., Fort Worth, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Concentration and purification of sludge acid. No. 1,263,950; Apr. 23; v. 249; p. 909.
Slatter, Thomas, San Francisco, Cal. Folding umbrella. No. 1,280,568; Oct. 1; v. 255; p. 126.
Slattery, Michael A., and W. F. Dockery, San Francisco, Cal. Ball-cock. No. 1,257,295; Feb. 19; v. 247; p. 715.
Slaughter, George W., Jr., assignor of one-half to L. Wilkinson, Sourlake, Tex. Stand-valve for oil-well pumps. No. 1,279,599; Sept. 24; v. 254; p. 693.
Slaughter, William B., Jr., and R. A. Gaertner, assignors to P. E. Spellacy, Los Angeles, Cal. Fuel-pump for semi-Diesel engines. No. 1,260,724; Mar. 26; v. 248; p. 905.
Slavin, Thomas H., Los Angeles, assignor of one-half to C. E. Wilcox, Bakersfield, and one-half to W. W. Wilson, Los Angeles, Cal. Well-boring apparatus. No 1,273,099; July 16; v. 252; p. 718.
Slaw, Frank W., assignor of one-half to A. H. Slater, Steubenville, Ohio. Controlling-valve. No. 1,256,602; Feb. 19; v. 247; p. 512.
Slawski, Wladyslaw, Glassboro, N. J. Pistol-sword. No. 1,286,436; Dec. 3; v. 257; p. 62.
Slawson, Marion G., Girard, Kans. Grain-shocker. No. 1,282,308; Oct. 22; v. 255; p. 697.
Slayback, Warner W., Ponca City, Okla. Gasket-cutter. No. 1,254,544; Jan. 22; v. 246; p. 981.
Slaymaker Lock Company. (See Miller, George M., assignor.)
Slear, Elias F., Collingswood, N. J. Toy firearm. No. 1,286,437; Dec. 3; v. 257; p. 62.
Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Spring-coiling machine. No. 1,266,070; May 14; v. 250; p. 360.
Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Supply-reel for wire-coils. No. 1,287,776; Dec. 17; v. 257; p. 459.
Sleeper & Hartley. (See Sleeper, Frank H., assignor.)
Sleeper, Joseph J., Moores, Pa. Wrapper-pasting device. No. 1,265,127; May 7; v. 250; p. 72.
Sleeth, Montgomery, Bellevue, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Spring structure. No. 1,253,739; Jan. 15; v. 246; p. 731.
Sleight, George A., Hyde Park, N. Y. Disinfectant-container for trap-guards. No. 1,260,082; Mar. 19; v. 248; p. 686
Slepička, Joseph, Tobias, Nebr. Animal-trap. No. 1,284,483; Nov. 12; v. 256; p. 302.
Slepička, Joseph, Tobias, Nebr. Animal-trap. No. 1,284,801; Nov. 12; v. 256; p. 381.
Slick, Edwin E., Westmont borough, Pa. Side frame. No. 1,261,064; Apr. 2; v. 249; p. 21.
Slick, Edwin E., Westmont borough, Pa. Mine-car construction. No. 1,261,308; Apr. 2; v. 249; p. 90.
Slick, Edwin E., Westmont borough, Pa. Truck side frame. No. 1,263,616; Apr. 23; v. 249; p. 817.
Slick, Edwin E., Westmont borough, Pa. Blast-furnace. No. 1,267,004; May 21; v. 250; p. 650.
Slick, Edwin E., Westmont borough, Pa. Blast-furnace operation. No. 1,267,005; May 21; v. 250; p. 650.
Slick, Edwin E., Westmont borough, Pa. Center sill for cars. Nn. 1,279,600; Sept. 24; v. 254; p. 693.
Slick, Edwin E., and C. W. Parkhurst, Westmont borough, Pa. Making electrical bonds. No. 1,255,059; Jan. 29; v. 246; p. 1159.
Slick, Edwin E., and C. W. Parkhurst, Westmont borough, Pa. Electrical bond. No. 1,255,119; Jan. 29; v. 246; p. 1176.
Slimp, James E., New York, N. Y. Securing rail-bonds to rails. No. 1,276,426; Aug. 20; v. 253; p. 639.
Slingland, Leonard, Paterson, N. J. Apparatus for developing power. No. 1,261,634; Apr. 2; v. 249; p. 182.
Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Glass-tank. No. 1,251,931; Jan. 1; v. 246; p. 144.
Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Glass-drawing apparatus. No. 1,251,932; Jan. 1; v. 246; p. 144.
Slingluff, Harry G., Allegheny, and H. S. Heichert, Pittsburgh, Pa. Apparatus for handling cylinders. No. 1,263,341; Apr. 16; v. 249; p. 719.
Slipher, Jay D., Frankfort, Ind. Headlight control. No. 1,272,133; July 9; v. 252; p. 422.
Sliter, William H., San Francisco, Cal. Advertising display device. No. 1,289,286; Dec. 31; v. 257; p. 880.
Sloan, Harry E., and G. A. Wiedemann, Philadelphia, Pa. Newspaper-file. No. 1,266,635; May 21; v. 250; p. 546.
Sloan, Henry S., Milwaukee, Wis., assignor to Waste Products Pulp Company, Detroit, Mich. Pulper. No. 1,283,931; Nov. 5; v. 256; p. 130.
Sloan, James R., and G. H. Liebegott, Altoona, Pa. Electric switch. No. 1,274,094; July 30; v. 252; p. 1052.
Sloan, James R., H. F. Perry, and I. V. Goodman, Altoona, Pa. Electropneumatic brake mechanism. No. 1,282,130; Oct. 22; v. 255; p. 650.
Sloan, Joseph L. (See Sloan, Michael J. and J. L.)
Sloan, Matthew J., and H. H. Wiggins, Arch Creek, Fla. Saw-oiler. No. 1,287,482; Dec. 10; v. 257; p. 353.
Sloan, Michael J., Binghamton, and J. L. Sloan, Endicott, N. Y. Pneumatic upper-leather-cutting machine. No. 1,283,341; Oct. 29; v. 255; p. 1004.
Slocomb, Frank F., Philadelphia, Pa. Leather-staking machine. No. 1,268,637; June 4; v. 251; p. 162.
Slocomb, John T., assignor to J. T. Slocomb Company, Providence, R. I. Micrometer-gage. No. 1,269,756; June 18; v. 251; p. 521.
Slocum, Avram & Slocum. (See Avram, Moïs H., assignor.)
Slocum, Avram & Slocum. (See Cahusac, Clarence N., assignor.)
Slocum, Daniel R., Spencerport, N. Y. Sponge-raising apparatus. No. 1,277,496; Sept. 3; v. 254; p. 46.
Slocum, Edward M., Medan, Sumatra, Dutch East Indies, assignor to General Rubber Company. Rubber coagulum or similar material and preparation of the same from latex for vulcanization. No. 1,259,793; Mar. 19; v. 248; p. 601.
Slocum, Edward M., Medan, Sumatra, Dutch East Indies, assignor to General Rubber Company. Rubber coagulum or similar material and preparation of same for vulcanization. No. 1,259,794; Mar. 19; v. 248; p. 601.
Slocum, Edward M., Medan, Sumatra, Dutch East Indies, assignor to General Rubber Company. Process and apparatus for treating latex. No. 1,268,638; June 4; v. 251; p. 162.
Slocum, Edward M., Medan, Sumatra, Dutch East Indies, assignor to General Rubber Company. Process for treating latex and products obtained thereby. No. 1,268,639; June 4; v. 251; p. 163.
Slocum, Edward M., Medan, Sumatra, Dutch East Indies, assignor to General Rubber Company. Process of coagulating latex and product thereof. No. 1,270,887; July 2; v. 252; p. 38.
Slocum, James P., Barnwell, Ala. Lamp-chimney. No. 1,257,034; Feb. 19; v. 247; p. 639.
Slocum, Karl R., Drybranch, Ga. Excavating apparatus. No. 1,283,932; Nov. 5; v. 256; p. 130.
Slocum, William W., Muskegon, Mich. Damper. No. 1,275,618; Aug. 13; v. 253; p. 382.
Sloman, Cheri M., Detroit, Mich. Moving-picture machine. No. 1,283,577; Nov. 5; v. 256; p. 36.
Slonaker, Robert L., Wheeling, W. Va. Antiglare attachment for headlights. No. 1,270,225; June 18; v. 251; p. 647.
Sloper, Thomas, Devizes, England. Pneumatic cushioning device for aircraft. No. 1,257,413; Feb. 26; v. 247; p. 783.
Sloper, Thomas, Devizes, England. Manufacturing endless driving-belts. No. 1,271,785; July 9; v. 252; p. 320.
Sloper, Thomas, Devizes, England. Hydroaeroplane. No. 1,273,549; July 23; v. 252; p. 863.
Sloppy, William E., Mount Jewett, assignor of forty-nine one-hundredths to O. L. Parkhurst, Kane, Pa. Glass apparatus. No. 1,274,616; Aug. 6; v. 253; p. 80.
Slosar, John, *et al.* (See Cheselka, Peter, assignor.)
Slosar, John. (See Kupec and Slosar.)
Slotnaes, Jens, Grefsen, Christiania, Norway. Lathe. No. 1,261,963; Apr. 9; v. 249; p. 306.
Slotnaes, Jens, Grefsen, Christiania, Norway. Lathe. (Reissue.) No. 14,509; Aug. 20; v. 253; p. 717.
Slotoroff, Abraham, New York, assignor of one-third to I. Sager, Brooklyn, and one-third to C. Eberstaller, Roselle, N. J. Head-gear. No. 1,262,111; Apr. 9; v. 249; p. 345.
Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,262,112; Apr. 9; v. 249; p. 345.
Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,262,113; Apr. 9; v. 249; p. 346.
Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Ringer. No. 1,267,470; May 28; v. 250; p. 805.

Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,282,965; Oct. 29; v. 255; p. 905.
Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,282,966; Oct. 29; v. 255; p. 906.
Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,286,131; Nov. 26; v. 256; p. 793.
Slough, Frank M., assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,288,449; Dec. 17; v. 257; p. 623.
Slough, Frank M., assignor to The Garford Manufacturing Company, Elyria, Ohio. Signaling system. No. 1,267,469; May 28; v. 250; p. 804.
Slough, George A., Union City, Ind. Steering-gear lock. No. 1,288,715; Dec. 24; v. 257; p. 717.
Slusher, Berry, Roark, Ky. Hand-planter. No. 1,270,665; June 25; v. 251; p. 795.
Slutts, John W., Los Angeles, Cal. Knockown frame for camping purposes. No. 1,259,148; Mar. 12; v. 248, p. 387.
Slye, Edward A., assignor to The Veeder Manufacturing Company, Hartford, Conn. Register. No. 1,261,449; Apr. 2; v. 249; p. 129.
Slye, Edward A., assignor to The Veeder Manufacturing Company, Hartford, Conn. Tachometer. No. 1,265,128; May 7; v. 250; p. 72.
Slye, John Q., Washington, D. C. Non-skidding device for automobiles. No. 1,287,483; Dec. 10; v. 257; p. 354.
Slye, John Q., Washington, D. C. Physical exerciser or athletic vehicle. No. 1,287,484; Dec. 10; v. 257; p. 354.
Slyke, Charles E., Indiana Harbor, Ind. Nut-making machine. No. 1,283,933; Nov. 5; v. 256; p. 130.
Slyke, Charles E., Indiana Harbor, Ind. Making nuts. No. 1,283,934; Nov. 5; v. 256; p. 130.
Small, Dora E., Norwood, Ohio. Toy. No. 1,269,968; June 18; v. 251; p. 579.
Small, Edward C., Los Angeles, Cal. Supplemental drive-wheel for motor-vehicles. No. 1,273,684; July 23; v. 252; p. 900.
Small, Firman D., Attica, Ind. Level. No. 1,256,737; Feb. 19; v. 247; p. 551.
Small, Gilbert, Waltham, Mass. Pocket-calculator. No. 1,255,939; Feb. 12; v. 247; p. 279.
Small, Harry E., Norfolk, Va. Game apparatus. No. 1,279,465; Sept. 17; v. 254; p. 631.
Small, Howard, Wyncote, assignor to Vulcan Motor Devices Company, Philadelphia, Pa. Gear-shift. No. 1,258,955; Mar. 12; v. 248; p. 330.
Small, John W. (See Langton and Small.)
Small, Leroy J., Clayton, Mo. Reclining-chair. No. 1,288,716; Dec. 24; v. 257; p. 717.
Small, Ralph B. (See Whitaker, Samuel T., assignor.)
Small, Ralph B. (See Whitaker and Small.)
Smallbone, Harry E., assignor to Domestic Sewing Machine Co., Inc., Buffalo, N. Y. Sewing-machine. No. 1,262,114; Apr. 9; v. 249; p. 346.
Smalley, David H., South Pasadena, assignor of one-half to E. Double, Los Angeles, Cal. Apparatus for producing power. No. 1,258,713; Mar. 12; v. 248; p. 261.
Smallwood, Alfred, London, England. Grinding or disintegrating cement or other materials. No. 1,262,115; Apr. 9; v. 249; p. 347.
Smallwood, Frank, assignor to Algoma Steel Corporation Limited, Sault Ste. Marie, Ontario, Canada. Machine for breaking steel into shell-blanks. No. 1,276,278; Aug. 20; v. 253; p. 597.
Smart, Aaron L., Vickery, Ohio. Wrench. No. 1,277,268; Aug. 27; v. 253; p. 901.
Smith, Albert H., Birmingham, England. Screwing mechanism. No. 1,289,287; Dec. 31; v. 257; p. 880.
Smart, Allen R. (See Phillips, John W., assignor.)
Smart, Gertrude A., Madison, Nebr. Poultry appliance. No. 1,255,477; Feb. 5; v. 247; p. 105.
Smart, Harry G., St. Cloud, Minn. Tie-plug machine. No. 1,255,060; Jan. 29; v. 246; p. 1159.
Smart, Henry C., Brooklyn, assignor to Standard Oil Company of New York, New York, N. Y. Gas-burner for furnaces. No. 1,288,450; Dec. 17; v. 257; p. 623.
Smedegaard, Mogens C. A., Hörning, Denmark. Oil-burner. No. 1,267,811; May 28; v. 250; p. 901.
Smedes, Melle P., Reeman, Mich. Gas-lighting system. No. 1,261,964; Apr. 9; v. 249; p. 306.
Smedley, James C., Cleveland, Ohio, assignor to General Electric Company. Apparatus for drawing cane-glass and glass tubing. No. 1,278,046; Sept. 3; v. 254; p. 194.
Smedley, Jesse F. (See Hoffer and Smedley.)
Smeeth, Edwin E., assignor to J. H. Smeeth, Oak Park, Ill. Automobile. No. 1,254,861; Jan. 29; v. 246; p. 1105.
Smeeth, Jennie H. (See Smeeth, Edwin E., assignor.)
Smeltzer, James G., Germantown, Pa. Air-brake. No. 1,277,143; Aug. 27; v. 253; p. 870.
Smend, William C., Jersey City, N. J., and P. Jenkins, assignors to Federal Sugar Refining Company, Yonkers, N. Y. Device for packing cube-sugar. No. 1,261,065; Apr. 2; v. 249; p. 21.
Smethport Glass Company. (See Douchamp, Henry J., assignor.)
Smidt, Karl I., Holte, near Copenhagen, Denmark. Device for oiling the inner surfaces of the combustion-chambers of explosion-motors. No. 1,279,466; Sept. 17; v. 254; p. 631.
Smidt, Rieke. (See Tellinghuisen and Smidt.)
Smiedel, Oscar, Chicago, Ill. Spraying-nozzle. No. 1,273,685; July 23; v. 252; p. 900.
Smiglel, Julian, Hartford, Conn. Soldering-tool. No. 1,273,281; July 23; v. 252; p. 792.
Smiley, Charles C., Gary, Ind. Rotary gas-engine. No. 1,275,619; Aug. 13; v. 253; p. 382.
Smiley, Franklin M., Goshen, Ind. Draft-evener. No. 1,264,698; Apr. 30; v. 249; p. 1149.
Smiley, J. B. (See Heniger, Charles T., assignor.)
Smiley, Richard W., Duluth, Minn. Holding means for cutting mechanism. No. 1,274,617; Aug. 6; v. 253; p. 80.
Smiley, Robert R., Goodman, Wis. Conveyer-lag. No. 1,269,013; June 11; v. 251; p. 285.
Smirl, Orin W., Wilsey, Kans. Mail-delivering apparatus. No. 1,268,400; June 4; v. 251; p. 94.
Smith, A. Columbus. (See Salinas y Souza, Benigno, assignor.)
Smith, Agnes S., Stratford, Ontario, Canada. Portable balcony. No. 1,285,436; Nov. 19; v. 256; p. 582.
Smith, Albert C. (See Stowell, Smith, and Cosgrove.)
Smith, Albert D., Rockford, Ill. Sewing-machine. No. 1,261,170; Apr. 2; v. 249; p. 50.
Smith, Albert E., assignor of one-half to B. D. Zimmerman, Milwaukee, Wis. Automobile-bumper. No. 1,271,786; July 9; v. 252; p. 320.
Smith, Albert H., Birmingham, England. Feed mechanism for bar-stock. No. 1,257,035; Feb. 19; v. 247; p. 640.
Smith, Albert H., Birmingham, England. Work-holder for machine-tools and the like. No. 1,273,417; July 23; v. 252; p. 829.
Smith, Albert H., Darby, Pa. Safety-guard for eyeglass-cases, wallets, &c. No. 1,265,824; May 14; v. 250; p. 291.
Smith, Albert J., New York, N. Y. Mattress. No. 1,279,467; Sept. 17; v. 254; p. 631.
Smith, Alfred B., Topeka, Kans. Animal-hopple. No. 1,278,239; Sept. 10; v. 254; p. 272.
Smith, Albert R., Bellows Falls, Vt. Car-record. No. 1,268,889; June 11; v. 251; p. 250.
Smith, Alexander W., Agassiz, British Columbia, Canada. Cattle-guard. No. 1,255,478; Feb. 5; v. 247; p. 105.
Smith, Allen, Jr., of the U. S. Army. Hat-strap. No. 1,269,227; June 11; v. 251; p. 345.
Smith, Allen J., and J. M. Williams, Valdosta, Ga. Device for lifting boxes for the removal of journal-bearings. No. 1,264,566; Apr. 30; v. 249; p. 1113.
Smith, Amos H., New York, N. Y., assignor to American Bank Note Company. Multicolor-printing from intaglio undersurface printing-plates. No. 1,260,824; Mar. 26; v. 248; p. 933.
Smith, Amos H., Brooklyn, N. Y., assignor to American Bank Note Company. Undersurface printing-machine. No. 1,261,171; Apr. 2; v. 249; p. 51.
Smith, Amos H., New York, N. Y., assignor to American Bank Note Company. Printing-machine. No. 1,282,131; Oct. 22; v. 255; p. 650.
Smith, Andrew, San Mateo, Cal. Manufacture of perforated metal for drainage-casings, screens, &c. No. 1,271,787; July 9; v. 252; p. 321.
Smith, Andrew J., Oakland, assignor of one-half to W. B. Cochran, San Francisco, Cal. Oil-burner. No. 1,285,437; Nov. 19; v. 256; p. 582.
Smith, Andrew J., assignor to S. R. Craig, New York, N. Y. Printing-press. No. 1,286,132; Nov. 26; v. 256; p. 793.
Smith, Andy, Wadsworth, Ohio. Safety mail-box and discharge means therefor. No. 1,256,177; Feb. 12; v. 247; p. 351.
Smith, Archibald, Robinsonville, Miss. Latch for gates, barn-doors, &c. No. 1,260,469; Mar. 26; v. 248; p. 829.
Smith, Arissa, Los Angeles, Cal. Hosiery. No. 1,257,643; Feb. 26; v. 247; p. 852.
Smith, Arthur B., Eden, N. Y. Nailing-strip for concrete fence-posts. No. 1,270,452; June 25; v. 251; p. 736.
Smith, Arthur B., Evanston, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,258,956; Mar. 12; v. 248; p. 330.
Smith, Arthur B., Evanston, assignor to Automatic Electric Company, Chicago, Ill. Automatic or semi-automatic telephone system. No. 1,267,131; May 21; v. 250; p. 686.
Smith, Arthur D. (See Lovekin and Smith.)
Smith, Arthur D., and L. D. Lovekin, Philadelphia, Pa. Batten-cleat. No. 1,288,717; Dec. 24; v. 257; p. 717.
Smith, Arthur H., assignor to Domestic Vacuum Cleaner Company, Worcester, Mass. Cleaning device. No. 1,258,822; Mar. 12; v. 248; p. 293.
Smith, Arthur P., Portland, assignor of one-half to R. W. Smith, Alfred, Me. Extension-pedal. No. 1,278,773; Sept. 10; v. 254; p. 415.

Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Power system. No. 1,270,561; June 25; v. 251; p. 766.
Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,273,010; July 16; v. 252; p. 694.
Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,287,123; Dec. 10; v. 257; p. 266.
Smith, Augustus, Roselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Wagon. No. 1,253,897; Jan. 15; v. 246; p. 776.
Smith, Augustus, Roselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Car. No. 1,267,921; May 28; v. 250; p. 933.
Smith, Austin J., Brooklyn, N. Y. Means for draining gas-meters. No. 1,257,414; Feb. 26; v. 247; p. 783.
Smith, Benjamin H. (See Copley and Smith.)
Smith, Benjamin H., assignor to Michigan Wire Goods Co., Niles, Mich. Sifting-shovel. No. 1,257,415; Feb. 26; v. 247; p. 783.
Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor. No. 1,258,368; Mar. 5; v. 248; p. 121.
Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Relay. No. 1,273,940; July 30; v. 252; p. 1010.
Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,286,815; Dec. 3; v. 257; p. 150.
Smith, Benjamin H., Turtle Creek, and A. W. Copley, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,289,288; Dec. 31; v. 257; p. 880.
Smith, Bernard P., St. Louis, Mo. Bath spray-fixture. No. 1,257,751; Feb. 26; v. 247; p. 884.
Smith, Bettie W. (See Smith, Edward M., assignor.)
Smith, Birney K., assignor of one-half to J. E. Davis, Elwood, Ind. Light-diffuser for headlights. No. 1,283,935; Nov. 5; v. 256; p. 131.
Smith, Buel, Glens Falls, N. Y., assignor to General Electric Company. Process of coating by means of emulsions. No. 1,266,335; May 14; v. 250; p. 433.
Smith, Burton W. (See Haines and Smith.)
Smith, Carlton L., Saginaw, Mich., and O. I. Lewellyn, Kokomo, Ind., assignors to Saginaw Plate Glass Company, Saginaw, Mich. Vacuum lifting-machine. No. 1,282,477; Oct. 22; v. 255; p. 742.
Smith, Carolyn S., Brooklyn, N. Y. Filtering apparatus. No. 1,276,129; Aug. 20; v. 253; p. 556.
Smith, Channing L., Des Moines, Iowa. Cutting keys. No. 1,254,442; Jan. 22; v. 246; p. 951.
Smith, Charles A. (See Fageol and Smith.)
Smith, Charles A., Buffalo, N. Y. Valve for gas-fixtures, &c. No. 1,266,170; May 14; v. 250; p. 389.
Smith, Charles A., Hopedale, assignor, by mesne assignments, to Hopedale Manufacturing Company, Milford, Mass. Gear-pump and the like. No. 1,285,819; Nov. 26; v. 256; p. 718.
Smith, Charles C., Exeter, Nebr. Guide for index-cards. No. 1,258,263; Mar. 5; v. 248; p. 91.
Smith, Charles D. (See Davis, Smith, and Bright.)
Smith, Charles D., assignor of one-half to H. T. Welch, San Jose, Cal. Phonograph-reproducer and record therefor. No. 1,260,586; Mar. 26; v. 248; p. 865.
Smith, Charles D., assignor to Morner and Smith, Dayton, Ohio. Carbureter. No. 1,275,620; Aug. 13; v. 253; p. 382.
Smith, Charles F., White Plains, N. Y. Golf-training device. No. 1,279,924; Sept. 24; v. 254; p. 787.
Smith, Charles G., assignor of one-half to C. F. MacGill, Cambridge, Mass. Speedometer. No. 1,271,092; July 2; v. 252; p. 95.
Smith, Charles H., Sanford, Fla. Lathe attachment. No. 1,272,549; July 16; v. 252; p. 562.
Smith, Charles H., Boston, Mass. Catch-basin. No. 1,278,240; Sept. 10; v. 254; p. 273.
Smith, Charles H., assignor to The Mantle Lamp Company of America, Chicago, Ill. Mantle-cap and burner-cone. No. 1,255,653; Feb. 5; v. 247; p. 156.
Smith, Charles H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Non-interfering key. No. 1,271,378; July 2; v. 252; p. 175.
Smith, Charles H., Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va. Treating coal. No. 1,276,427; Aug. 20; v. 253; p. 640.
Smith, Charles H., Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va. Treating coal. No. 1,276,428; Aug. 20; v. 253; p. 640.
Smith, Charles H., Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va. Briquet and making the same. No. 1,276,429; Aug. 20; v. 253; p. 640.
Smith, Charles H., Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va. Fuel-briquet. No. 1,284,939; Nov. 12; v. 256; p. 417.
Smith, Charles J. R. and C. E., Topeka, Kans. Suspensory. No. 1,288,718; Dec. 24; v. 257; p. 717.
Smith, Charles K., Niagara Falls, N. Y. Tire-armor. No. 1,272,134; July 9; v. 252; p. 422.
Smith, Charles M., Los Angeles, Cal. Support. No. 1,278,774; Sept. 10; v. 254; p. 415.
Smith, Charles T., and F. A. Ames, assignors to The F. A. Ames Co., Owensboro, Ky. Extension device for automobiles. No. 1,258,486; Mar. 5; v. 248; p. 156.
Smith, Charlie B., Kokomo, Ind. Aeroplane. No. 1,290,026; Dec. 31; v. 257; p. 1062.
Smith, Charlie L., Jackson, Miss. Tire-riveting tool. No. 1,261,309; Apr. 2; v. 249; p. 90.
Smith, Charlottie E. (See Smith, Charles J. R. and C. E.)
Smith, Clayton A., Decatur, Ill. Combined concrete-form stake. No. 1,274,618; Aug. 6; v. 253; p. 80.
Smith, Cora. (See McMullen, James J., assignor.)
Smith and Coventry Limited. (See Walker, Malcolm, assignor.)
Smith, Daniel R., New York, N. Y. Shaving apparatus. No. 1,255,061; Jan. 29; v. 246; p. 1159.
Smith, Daniel W., Machias, Me. Bucksaw. No. 1,253,898; Jan. 15; v. 246; p. 776.
Smith, David D., Overland Park, Mo., assignor of one-half to J. E. Smith, New Orleans, La. Draft-beam and continuous draw-bar for railway-cars. No. 1,256,940; Feb. 19; v. 247; p. 611.
Smith, David J., Finsbury Park, London, and C. Towl, Forest Gate, England. Automatically operated and controlled gas-generator. No. 1,268,290; June 4; v. 251; p. 63.
Smith & Davis Manufacturing Co. (See Knickmeyer, Henry, assignor.)
Smith & Davis Manufacturing Company. (See Mulken, Wilber L., assignor.)
Smith, De Wane B., Deerfield, N. Y. Pneumatic tire. No. 1,264,567; Apr. 30; v. 249; p. 1113.
Smith, Dillon F., and H. Essex, assignors to Gulf Refining Company, Pittsburgh, Pa. Making aluminum chlorid. No. 1,270,226; June 18; v. 251; p. 647.
Smith, Dyer. (See Snelling, Walter O., assignor.)
Smith, Earl C., Augusta, Ga. Agricultural machine. No. 1,270,453; June 25; v. 251; p. 737.
Smith, Ebbie C. (See Clarkson, Jay C., assignor.)
Smith, Eber, Nelson, assignor to Pickles Brothers, Limited, Brierfield, near Burnley, England. Change-box mechanism for looms. No. 1,266,171; May 14; v. 250; p. 389.
Smith, Edgar A., Windsor, N. C. Universal-joint brace. No. 1,274,619; Aug. 6; v. 253; p. 81.
Smith, Edna C., Clifton Forge, Va. Illuminable darning-last. No. 1,283,936; Nov. 5; v. 256; p. 131.
Smith, Edward D., Chicago, Ill. Building construction. No. 1,280,320; Oct. 1; v. 255; p. 58.
Smith, Edward F., Portland, Oreg. Nap-brushing machine. No. 1,285,438; Nov. 19; vol. 256; p. 582.
Smith, Edward G., Albury, New South Wales, Australia. Shoe-drier. No. 1,270,666; June 25; v. 251; p. 795.
Smith, Edward M., assignor of one-half to B. W. Smith, Kansas City, Mo. Form of printing checks. No. 1,283,937; Nov. 5; v. 256; p. 131.
Smith, Edward W., Philadelphia, Pa. Assembly and packing crate for storage batteries. No. 1,254,940; Jan. 29; v. 246; p. 1128.
Smith, Edwin C., Providence, R. I. Drop-wire-finishing machine. No. 1,288,245; Dec. 17; v. 257; p. 575.
Smith, Edwin W., Beverly, Mass., assignor, by mesne assignments, to United Machinery Corporation, Paterson, N. J. Retaining device. No. 1,276,981; Aug. 27; v. 253; p. 825.
Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Cut-off mechanism for cigarette-machines. No. 1,287,485; Dec. 10; v. 257; p. 354.
Smith, Elda G. (See Bissell and Smith.)
Smith, Elda G., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Housing for electrical appliances. No. 1,275,777; Aug. 13; v. 253; p. 426.
Smith, Ella L., Roanoke, Ala. Boot or shoe. No. 1,289,289; Dec. 31; v. 257; p. 880.
Smith, Elmer H., Minneapolis, Minn. Acetylene welding-torch. No. 1,280,884; Oct. 8; v. 255; p. 240.
Smith, Elmer J., G. Mayer, and C. Vergan, assignors to The Chalsmith Company, Chicago, Ill. Automatic milling-machine. No. 1,285,820; Nov. 26; v. 256; p. 718.
Smith, Elmer L., assignor to Package Machinery Company, Springfield, Mass. Paper-feeding mechanism. No. 1,261,310; Apr. 2; v. 249; p. 91.
Smith, Elmer L., assignor to Package Machinery Company, Springfield, Mass. Paper-feeding mechanism. No. 1,283,342; Oct. 29; v. 255; p. 1004.
Smith, Elmer L., Springfield, Mass., assignor to Package Machinery Company. Wrapping-machine. No. 1,287,124; Dec. 10; v. 257; p. 267.
Smith, Elmer L., and A. E. Phelon, assignors to Package Machinery Company, Springfield, Mass. Wrapping-machine. No. 1,269,969; June 18; v. 251; p. 579.
Smith, Elta C., assignor of one-half to F. B. Cook and M. W. Ryan and one-half to A. C. Lucas and E. V. Horner, Springfield, Mo. Belt for transmission of power. No. 1,275,621; Aug. 13; v. 253; p. 383.
Smith, Emery H., Burton, assignor of forty-five one-hundredths to C. J. Jordan, Owosso, Mich. Combined invalid bed and chair. No. 1,283,578; Nov. 5; v. 256; p. 36.

Smith, Emil, Flint, Mich. Chuck. No. 1,258,714; Mar. 12; v. 248; p. 261.
Smith, Emmor C. (See Freel and Smith.)
Smith, Ernest C., assignor to Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y. Side-delivery rake. No. 1,256,178; Feb. 12; v. 247; p. 352.
Smith, Ernest C., assignor to Walter A. Wood Mowing and Reaping Machine Co., Hoosick Falls, N. Y. Hay-loader. No. 1,265,969; May 14; v. 250; p. 332.
Smith, Ernest J., assignor to The Goss Printing Press Company, Chicago, Ill. Inking mechanism. No. 1,262,707; Apr. 16; v. 249; p. 542.
Smith, Ernest J., assignor to The Goss Printing Press Company, Chicago, Ill. Inking mechanism. No. 1,262,708; Apr. 16; v. 249; p. 542.
Smith, Ernest J., assignor to The Goss Printing Press Company, Chicago, Ill. Ink-transferring mechanism. No. 1,262,709; Apr. 16; v. 249; p. 542.
Smith, Ernest J., assignor to The Goss Printing Press Company. Chicago, Ill. Inking mechanism. No. 1,272,135; July 9; v. 252; p. 422.
Smith, Ernest J., assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,272,136; July 9; v. 252; p. 422.
Smith, Ernest J., assignor to R. Hoe and Co., New York, N. Y. Inking mechanism. No. 1,289,011; Dec. 24; v. 257; p. 787.
Smith, Ervin, Appleton, Wis. Gate. No. 1,257,137; Feb. 19; v. 247; p. 667.
Smith, Eugene D., assignor to E. U. Scoville Company, Manlius, N. Y. Faucet. No. 1,261,066; Apr. 2; v. 249; p. 22.
Smith, Eugene F., Ashtabula, Ohio. Automobile-heater. No. 1,266,873; May 21; v. 250; p. 612.
Smith, Eugene H. H. (See Smith, Henry V., assignor.)
Smith, Eugene P., Shelby, Ohio. Pipe-wrench. No. 1,288,719; Dec. 24; v. 257; p. 717.
Smith, Ezra B., Chicago, Ill. Hood for fireproof curtains. No. 1,259,450; Mar. 12; v. 248; p. 471.
Smith, Ezra B., Chicago, Ill. Pneumatic cue. No. 1,279,925; Sept. 24; v. 254; p. 787.
Smith, Floyd C. (See Hastings and Smith.)
Smith, Floyd V. (See Smith, Jay H. and F. V.)
Smith, Forest V., Lewiston, Me. Ball-cock. No. 1,279,468; Sept. 17; v. 254; p. 632.
Smith, Frank. (See Buckham and Smith.)
Smith, Frank, Clinton, Mo. Wrench. No. 1,284,802; Nov. 12; v. 256; p. 381.
Smith, Frank A., Chicago, Ill. Dime-bank. No. 1,269,870; June 18; v. 251; p. 554.
Smith, Frank D. (See Prange and Smith.)
Smith, Frank E., Topeka, Kans. Window-screen. No. 1,262,116; Apr. 9; v. 249; p. 347.
Smith, Frank G., Elizabeth, N. J. Railway appliance. No. 1,252,620; Jan. 8; v. 246; p. 375.
Smith, Frank H., assignor of one-half to R. R. Freer, Cleveland, Ohio. Transmission mechanism. No. 1,278,241; Sept. 10; v. 254; p. 273.
Smith, Frank S. (See Demuth, William H., assignor.)
Smith, Frank T., Jamaica Plain, Mass. Treating foul solutions. No. 1,276,130; Aug. 20; v. 253; p. 556.
Smith, Frank W., Westfield, N. J. Regulator for electric furnaces. No. 1,282,478; Oct. 22; v. 255; p. 743.
Smith, Franklin P. (See Josler, Angelo, assignor.)
Smith, Franklin P. (See Smurr, Samuel P., assignor.)
Smith, Fred E., and L. Heflin, Fairfax, Okla. Sounder for telegraph-circuits. No. 1,268,890; June 11; v. 251; p. 250.
Smith, Frederic C., assignor to Waterbury Mfg. Co., Waterbury, Conn. Vacuum-bottle. No. 1,261,450; Apr. 2; v. 249; p. 129.
Smith, Frederick E., and F. W. Curnan, Derby, Conn. Mechanism for making stay-tips. No. 1,284,803; Nov. 12; v. 256; p. 381.
Smith, Friend W., Jr., Bridgeport, Conn., assignor to J. W. Hibbard, New York, N. Y. Account deposit-book. No. 1,252,961; Jan. 8; v. 246; p. 473.
Smith, Friend W., Jr., Bridgeport, Conn., assignor, by mesne assignments, to G. E. Carhart, New York, N. Y. Account deposit-book. (Reissue.) No. 14,502; Aug. 13; v. 253; p. 490.
Smith and Furbush Machine Company. (See Booth, Miller, and Bakum, assignors.)
Smith, Gary B., Chicago, Ill. Machine for twisting wire. No. 1,257,036; Feb. 19; v. 247; p. 640.
Smith, George, Louisiana, Mo. Fire-escape ladder. No. 1,258,487; Mar. 5; v. 248; p. 156.
Smith, George A., Baltimore, Md. Clothes-hanger. No. 1,260,083; Mar. 19; v. 248; p. 686.
Smith, George A., South Hill, Va. Box-shook-edge-trimming mechanism. No. 1,267,922; May 28; v. 250; p. 933.
Smith, George A., San Francisco, Cal. Davenport-bed. No. 1,287,486; Dec. 10; v. 257; p. 354.
Smith, George B., New Canaan, Conn. Storm-window. No. 1,270,227; June 18; v. 251; p. 647.
Smith, George E., Meriden, Conn. Finger-ring guard. No. 1,278,047; Sept. 3; v. 254; p. 195.
Smith, George H. (See Boltz, Solomon H., assignor.)
Smith, George H., Bridgeport, Conn. Shade-roller bracket. No. 1,266,336; May 14; v. 250; p. 433.
Smith, George R., Bay City, Mich. Brake-block. No. 1,276,430; Aug. 20; v. 253; p. 641.
Smith, George W. Dayton, Ohio, assignor to American Burner Company, Buffalo, N. Y. Oil-burner. No. 1,254,283; Jan. 22; v. 246; p. 906.
Smith, Gibson C., Frederick, Md. Automatic controller. No. 1,276,279; Aug. 20; v. 253; p. 597.
Smith, Gordon B. (See Young, Roy W., assignor.)
Smith, Guy B., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electromagnetic switch mechanism. No. 1,279,168; Sept. 17; v. 254; p. 550.
Smith, Guy D., Derby, Vt. Water-wheel governor. No. 1,284,484; Nov. 12; v. 256; p. 302.
Smith, Guy E., Oklahoma, Okla. Record-rest. No. 1,263,136; Apr. 16; v. 249; p. 665.
Smith, Guy W., and L. Dinsmoor, Paonia, Colo. Grain-shocking mechanism. No. 1,268,169; June 4; v. 251; p. 28.
Smith, H. J., *et al.* (See Waite, Charles A., assignor.)
Smith, H. R. (See Wackwitz, Henry E. J., assignor.)
Smith, Hadden A., Brooklyn, N. Y. Magazine-pencil. No. 1,262,859; Apr. 16; v. 249; p. 586.
Smith, Hamilton T. (See Heal and Smith.)
Smith, Harrison B., Bayside, N. Y. Seal for receptacles. No. 1,288,246; Dec. 17; v. 257; p. 575.
Smith, Harry B., Brooklyn, N. Y., assignor to Stokes & Smith Company, Philadelphia, Pa. Quick-opening box. No. 1,253,436; Jan. 15; v. 246; p. 646.
Smith, Harry B., Brooklyn, N. Y., and J. D. Reifsnyder, Philadelphia, assignors to Stokes & Smith Company, Summerdale, Pa. Form-block for box-covering machines. No. 1,274,801; Aug. 6; v. 253; p. 131.
Smith, Harry B., Merritt, Wash. Automatic screen-gate. No. 1,256,837; Feb. 19; v. 247; p. 580.
Smith, Harry C., assignor of one-half to D. W. McIntosh, Santa Barbara, Cal. Necktie form and display device. No. 1,253,289; Jan. 15; v. 246; p. 599.
Smith, Harry E., Indianapolis, Ind. Adjustable arch-span and beam form. No. 1,267,471; May 28; v. 250; p. 806.
Smith, Harry E., and G. W. Duvall, assignors to Modern Broom Machinery Company, Davenport, Iowa. Broom-clamping machine. No. 1,257,138; Feb. 19; v. 247; p. 667.
Smith, Harry J., New York, N. Y. Apparatus for making ice. No. 1,270,455; June 25; v. 251; p. 737.
Smith, Harry M., Chicago, Ill. Controlling mechanism for phonographs. No. 1,276,983; Aug. 27; v. 253; p. 825.
Smith, Harry O., Kansas City, Mo. Fastener. No. 1,273,100; July 16; v. 252; p. 718.
Smith, Harry W. (See Bailey, Joseph W., assignor.)
Smith, Harry W., Pawtucket, assignor to Nickerson Art Metal Company, Providence, R. I. Wire-forming machine. No. 1,267,132; May 21; v. 250; p. 687.
Smith, Harvey M., Mooresville, Ind. Milk-cooling can. No. 1,276,982; Aug. 27; v. 253; p. 825.
Smith, Henry, assignor of one-half to P. Smith, Cumberland, Md. Heat-exhausting device. No. 1,280,569; Oct. 1; v. 255; p. 126.
Smith, Henry C., Detroit, Mich. Work-support for rotary shears. No. 1,259,306; Mar. 12; v. 248; p. 429.
Smith, Henry C., Philadelphia, Pa. Shade-bracket. No. 1,270,454; June 25; v. 251; p. 737.
Smith, Henry E. (See Monroe and Smith.)
Smith, Henry J., Philadelphia, Pa. Fly-trap. No. 1,263,951; Apr. 23; v. 249; p. 910.
Smith, Henry J., Minneapolis, assignor to H. J. Smith Tractor Company, Hennepin county, Minn. Reversing-gearing. No. 1,254,075; Jan. 22; v. 246; p. 846.
Smith, Henry L., Philadelphia, Pa. Sorting-case. No. 1,255,940; Feb. 12; v. 247; p. 279.
Smith, Henry L., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Blank-feeding mechanism. No. 1,262,117; Apr. 9; v. 249; p. 347.
Smith, Henry V., assignor of one-half to E. H. H. Smith, Bridgeport, Conn. Pliers. No. 1,267,133; May 21; v. 250; p. 687.
Smith, Herbert C., Gaston, Oreg. Lubricator. No. 1,277,656; Sept. 3; v. 254; p. 91.
Smith, Herbert E., Spokane, Wash., assignor to E. L. Clark, St. Maries, Idaho. Box-shook machine. No. 1,263,477; Apr. 23; v. 249; p. 780.
Smith, Herbert E., Spokane, Wash. Mail-exchanging device. No. 1,276,280; Aug. 20; v. 253; p. 598.
Smith, Herbert W., Coon Rapids, Iowa. Window-shade bracket. No. 1,283,938; Nov. 5; v. 256; p. 131.
Smith, Horace E., assignor to M. M. Smith, Syracuse, N. Y. Device for polishing varnished and hard-finish surfaces. No. 1,287,487; Dec. 10; v. 257; p. 355.
Smith, Horace M., assignor to Liquid Carbonic Company, Chicago, Ill. Carbonator for beverages and the like. No. 1,258,369; Mar. 5; v. 248; p. 121.
Smith, Horace M., assignor to Liquid Carbonic Company, Chicago, Ill. Filling carbonated beverages in receptacles. No. 1,275,622; Aug. 13; v. 253; p. 383.
Smith, Hubert E., Attadale, Bush Hill Park, England. Carbureter. No. 1,264,699; Apr. 30; v. 249; p. 1149.
Smith, Hulbert J., Indianapolis, Ind. Nut-bowl. No. 1,257,644; Feb. 26; v. 247; p. 852.
Smith, Ira, Bellingham, Wash. Logging apparatus. No. 1,254,545; Jan. 22; v. 246; p. 981.
Smith, Ira P. (See Clark, Frederick H., assignor.)

Smith, Irving B. (See Macbeth and Smith.)
Smith, Irving B., Ambler, assignor to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for optical pyrometry. No. 1,282,967; Oct. 29; v. 255; p. 906.
Smith, Ira M., Seattle, Wash. Shoe. No. 1,269,228; June 11; v. 251; p. 345.
Smith Isaac N., Greenville, Ohio. Burial-couch. No. 1,255,941; Feb. 12; v. 247; p. 279.
Smith, J. Hunter. (See Holcomb, William H., assignor.)
Smith, Jack, New York, N. Y. Means for teaching drawing. No. 1,280,094; Sept. 24; v. 254; p. 833.
Smith, James, Jr., Phillipsburg, N. J. Shaving-brush attachment. No. 1,279,926; Sept. 24; v. 254; p. 788.
Smith, James A., assignor of one-third to W. N. Dorsett and one-third to W. T. Davis, Washington, D. C. Combined molded arch-support and shoe-sole. No. 1,253,639; Jan. 15; v. 246; p. 702.
Smith, James C., San Francisco, Cal. Cutting and abrasive implement. No. 1,269,653; June 18; v. 251; p. 493.
Smith, James C., Paterson, N. J. Packless antidrip-valve. No. 1,274,949; Aug. 6; v. 253; p. 173.
Smith, James C., Paterson, N. J. Packless antidrip-valve. No. 1,278,048; Sept. 3; v. 254; p. 195.
Smith, James D., assignor of one-half to J. M. Utz, Orland, Cal. Automobile-wheel rim. No. 1,254,546; Jan. 22; v. 246; p. 981.
Smith, James E. (See Smith, David D., assignor.)
Smith, James E., Madisonville, La. Watch-holder. No. 1,257,752; Feb. 26; v. 247; p. 884.
Smith, James E., Madisonville, La. Can-opener. No. 1,280,321; Oct. 1; v. 255; p. 58.
Smith, James F., Smith Center, Kans. End-gate. No. 1,252,854; Jan. 8; v. 246; p. 441.
Smith, James G. (See Condley and Smith.)
Smith, James H., Farmville, N. C. Planter. No. 1,272,550; July 16; v. 252; p. 562.
Smith, James M., Darien, Ga. Brush. No. 1,278,242; Sept. 10; v. 254; p. 273.
Smith, Jay H. and F .V., San Francisco, Cal. Steam vulcanizing plant. No. 1,256,385; Feb. 12; v. 247; p. 414.
Smith, Jerome T., Scotland, S. D., assignor to L. T. Nafis, Chicago, Ill. Calipers. No. 1,261,451; Apr. 2; v. 249; p. 130.
Smith, Jesse A. B., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,260,084; Mar. 19; v. 248; p. 686.
Smith, Jesse A. B., Glenbrook, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,260,725; Mar. 26; v. 248; p. 906.
Smith, Jesse A. B., Glenbrook, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,280,885; Oct. 8; v. 255; p. 240.
Smith, Jesse A. B., Glenbrook, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,280,886; Oct. 8; v. 255; p. 240.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,281,087; Oct. 8; v. 255; p. 294.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,287,488; Dec. 10; v. 257; p. 355.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,288,720; Dec. 24; v. 257; p. 718.
Smith, Jesse D., New York, N. Y. Automatic switch-operating device. No. 1,273,282; July 23; v. 252; p. 792.
Smith, Jesse D., New York, N. Y. Fuel-controlling device for motor-vehicles. No. 1,273,283; July 23; v. 252; p. 792.
Smith, Jesse M., Pittsburgh, Pa. Blow-out patch. No. 1,269,124; June 11; v. 251; p. 315.
Smith, John, assignor to Draper Corporation, Hopedale, Mass. Shuttle. No. 1,273,794; July 23; v. 252; p. 928.
Smith, John B. R., Hamilton, assignor of one-fourth to J. P. Quinn, one-fourth to C. E. Neser, and one-fourth to T. D. Neser, Baltimore, Md. Flushing apparatus for water-closets. No. 1,267,923; May 28; v. 250; p. 934.
Smith, John E., assignor to Kerosene Motor Appliance Co., New York, N. Y. Manifold for internal-combustion engines. No. 1,256,738; Feb. 19; v. 247; p. 551.
Smith, John F., assignor of fifty-five one-hundredths to H. B. Burkhart, Seattle, Wash. Brake-band. No. 1,273,941; July 30; v. 252; p. 1010.
Smith, John F., assignor of fifty-five one-hundredths to H. B. Burkhart, Seattle, Wash. Oil-burner. No. 1,273,942; July 30; v. 252; p. 1010.
Smith, John H., assignor of one-half to W. Goatman, Los Angeles, Cal. Tractor attachment for vehicles. No. 1,263,137; Apr. 16; v. 249; p. 666.
Smith, John W., *et al.* (See Titus, Claud L., assignor.)
Smith, Joseph B., and P. Drushella. Humboldt, Iowa. Traction device for vehicle-wheels. No. 1,262,118; Apr. 9; v. 249; p. 347.
Smith, Joseph J., Newark, N. J. Wrist-watch container. No. 1,260,278; Mar. 19; v. 248; p. 740.
Smith, Joseph W., Cambridge, assignor of one-half to H. E. White, Columbus, Ohio. Bifocal device. No. 1,263,713; Apr. 23; v. 249; p. 843.
Smith, Kan, Portland, Oreg. Compass-altimeter. No. 1,257,645; Feb. 26; v. 247; p. 852.
Smith, Karl D., Battle Creek, Mich. Vacuum-tank. No. 1,254,165; Jan. 22; v. 246; p. 872.
Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Emulsifying - machine. No. 1,259,149; Mar. 12; v. 248; p. 388.
Smith, Kenneth C., assignor to Malleable Iron Range Company, Beaver Dam, Wis. Imitation stove. No. 1,270,888; July 2; v. 252; p. 38.
Smith, Kingsley L., assignor to Electric Fruit Marking Co., San Francisco, Cal. Fruit-marking apparatus. No. 1,283,579; Nov. 5; v. 256; p. 36.
Smith, Kirk D., Wendell, N. H. Figure toy. No. 1,261,635; Apr. 2; v. 249; p. 183.
Smith, Launcelot E. (See Zulver, Cornelis, assignor.)
Smith, Le Roy M., Chicago, Ill. Seed-germinator. No. 1,285,439; Nov. 19; v. 256; p. 538.
Smith, Leo, assignor to Frank S. Betz Company, Hammond, Ind. Surgical operating-table. No. 1,267,812; May 28; v. 250; p. 901.
Smith, Lester L., Lynn, Mass. Fire-extinguisher. No. 1,261,311; Apr. 2; v. 249; p. 91.
Smith, Letha B., Portland, assignor of one-half to T. P. Randall, Oregon City, Oreg. Skirt-marker. No. 1,270,251; June 18; v. 251; p. 654.
Smith, Louis, Caretta, W. Va. Miner's-lamp-carrying means. No. 1,257,037; Feb. 19; v. 247; p. 640.
Smith, Mae C., assignor of one-half to G. L. Sauer, Polo, Ill. Rail-joint and fish clamping-plate. No. 1,259,150; Mar. 12; v. 248; p. 388.
Smith, Marion W., Tulsa, Okla. Well-casing puller. No. 1,282,479; Oct. 22; v. 255; p. 743.
Smith, Mark, assignor to Taylor Garnett Evans & Co. Limited, Reddish, near Stockport, England. Printing-machine. No. 1,269,327; June 11; v. 251; p. 373.
Smith, Mark H. (See Boyle, Homer L., assignor.)
Smith, Mark H., assignor to Korff Manufacturing Co., Lansing, Mich. Sleeping-balcony. No. 1,259,795; Mar. 19; v. 248; p. 601.
Smith, Mary L., Marlboro, N. H. Shoe-fastener. No. 1,272,137; July 9; v. 252; p. 423.
Smith, Maud M. (See Smith, Horace E., assignor.)
Smith, Maurice A., Jeannette, Pa. Fire-polishing apparatus. No. 1,274,095; July 30; v. 252; p. 1052.
Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Lens. No. 1,273,192; July 23; v. 252; p. 769.
Smith, Michael, Passaic, N. J. Method and apparatus for manufacturing tires, hose, and the like. No. 1,269,229; June 11; v. 251; p. 345.
Smith, Michael, Passaic, N. J. Mold for casting metals. No. 1,281,679; Oct. 15; v. 255; p. 486.
Smith, Michael, Portland, Oreg. Rotary impact-tool. No. 1,284,804; Nov. 12; v. 256; p. 381.
Smith, Miller A. (See Buel, Albert W., assignor.)
Smith, Milton R., assignor of two-fifths to J. J. Knudsen, Dwight, Ill. Vaporizer for engines. No. 1,267,924; May 28; v. 250; p. 934.
Smith, Minnie E., Wagoner, Ariz. Direction-signal. No. 1,263,952; Apr. 23; v. 249; p. 910.
Smith, Miriam A., Mount Vernon, N. Y. Baby-feeder. No. 1,287,125; Dec. 10; v. 257; p. 267.
Smith, Myron W., Le Roy, N. Y. Mail-box. No. 1,264,700; Apr. 30; v. 249; p. 1149.
Smith, Nelson I., Winsted, Conn. Ladder attachment. No. 1,272,551; July 16; v. 252; p. 563.
Smith, Newton H., Hamilton, Ill., assignor of one-half to W. C. Howell, Keokuk, Iowa. Earth-boring tool. No. 1,269,970; June 18; v. 251; p. 580.
Smith, Oberlin. (See Nixon and Smith.)
Smith, Oberlin, Bridgeton, N. J. Guard or safety device for machinery. No. 1,256,179; Feb. 12; v. 247; p. 352.
Smith, Oberlin, Bridgeton, N. J. Press. No. 1,273,686; July 23; v. 252; p. 901.
Smith, Oliver K., Newton, assignor to Dean and Sherk Corporation, Boston, Mass. Support for thread-cops. No. 1,283,939; Nov. 5; v. 256; p. 132.
Smith, Orbin E., Moline, Ill., assignor to Moline Plow Company. Seed-planting mechanism. No. 1,282,648; Oct. 22; v. 255; p. 790.
Smith, Oscar A., assignor, by mesne assignments, to The National - Acme Company, Cleveland, Ohio. Drilling-machine. No. 1,256,180; Feb. 12; v. 247; p. 353.
Smith, Oscar A., assignor, by mesne assignments, to The National-Acme Company, Cleveland, Ohio. Set-screw. No. 1,269,971; June 18; v. 251; p. 580.
Smith, Oscar W., Denver, Colo. Hydrocarbon-burner. No. 1,279,169; Sept. 17; v. 254; p. 551.
Smith, Patrick, Foresthill, Cal. Fastening means for tire-grips. No. 1,269,328; June 11; v. 251; p. 373.
Smith, Paul D., assignor to Minneapolis Steel & Machinery Co., Minneapolis, Minn. Locking-tool for shell-surface plates. No. 1,280,887; Oct. 8; v. 255; p. 240.
Smith, Percy, Detroit, Mich. Screw - driver. No. 1,273,193; July 23; v. 252; p. 769.

Smith, Percy M., Hamilton, Ontario, Canada, and T. W. Prosser, Beaver Dam, Wis., assignors to Paramount Hosiery Form Drying Co., Chicago, Ill. Hosiery-drying apparatus. No. 1,253,994; Jan. 15; v. 246; p. 802.
Smith, Persifor F., Jr., Pittsburgh, Pa. Locomotive cradle and trailer-truck. No. 1,257,941; Feb. 26; v. 247; p. 939.
Smith, Phil. (See Smith, Henry, assignor.)
Smith, Porter. (See Myers, Melvin A., assignor.)
Smith, Ralph B., assignor to W. Smith & Sons, Lawrence, Mass. Baling-press for hank-yarn. No. 1,281,254; Oct. 8; v. 255; p. 341.
Smith, Ralph W. (See Smith, Arthur P., assignor.)
Smith, Ralston F., assignor to The Hy-Watt Battery Company, Cleveland, Ohio. Dry-cell battery. No. 1,267,349; May 21; v. 250; p. 745.
Smith, Ray, Dayton, Ohio. Fuse. No. 1,261,636; Apr. 2; v. 249; p. 183.
Smith, Reginald F., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Energy-translating device. No. 1,279,769; Sept. 24; v. 254; p. 742.
Smith, Reuben S., Milwaukee, Wis., assignor to A. O. Smith Corporation, Eddyville, N. Y. Internal-combustion engine. No. 1,273,943; July 30; v. 252; p. 1011.
Smith, Reuben S., assignor to A. O. Smith Company, Milwaukee, Wis. Roller-bearing. No. 1,286,438; Dec. 3; v. 257; p. 63.
Smith, Reuben W., West Collingswood, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail-joint. No. 1,264,568; Apr. 30; v. 249; p. 1114.
Smith, Reverdy P., New Haven, Conn. Toy. No. 1,266,874; May 21; v. 250; p. 612.
Smith, Rexford M., Washington, D. C., assignor to Connecticut Aircraft Company, New Haven, Conn. Flying-machine. No. 1,288,721; Dec. 24; v. 257; p. 718.
Smith, Richard A. (See Smith, Sarah E., assignor.)
Smith, Richard E., Lima, Ohio. Washing-machine. No. 1,269,513; June 11; v. 251; p. 422.
Smith, Richard H., Savannah, Ga. Fishing-hook-leader-adjusting terminal and outrigger device. No. 1,252,621; Jan. 8; v. 246; p. 376.
Smith, Robert D., Brookline, Mass. Air-brake alarm-signal. No. 1,279,927; Sept. 24; v. 254; p. 788.
Smith, Robert H., Albemarle, N. C. Vending-machine. No. 1,256,181; Feb. 12; v. 247; p. 353.
Smith, Robert H., assignor of one-half to A. C. Tebeau and J. F. Justice, Hendersonville, N. C. Cotton-stalk and vine cutter and hay-turner. No. 1,286,816; Dec. 3; v. 257; p. 150.
Smith, Robert L., Toronto, Ontario, Canada. Bag-holder. No. 1,254,371; Jan. 22; v. 246; p. 931.
Smith, Robert M., San Francisco, Cal. Centrifugal extractor. No. 1,275,486; Aug. 13; v. 253; p. 345.
Smith, Roy G. (See Schleappi, Frederick H., assignor.)
Smith, Rufus B., Akron, Ohio. Double boiler. No. 1,283,580; Nov. 5; v. 256; p. 37.
Smith, Sam R., Los Angeles, Cal. Swimming-garment. No. 1,282,309; Oct. 22; v. 255; p. 697.
Smith, Sampson G., Plainfield, N. J. Pneumatic-tire armor. No. 1,253,740; Jan. 15; v. 246; p. 731.
Smith, Samuel. (See Derr and Smith.)
Smith, Samuel, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,255,942; Feb. 12; v. 247; p. 279.
Smith, Samuel A., Everton, Ark. Mechanical movement. No. 1,253,437; Jan. 15; v. 246; p. 646.
Smith, Samuel B., Cleveland, assignor to The Buckeye Incubator Co., Springfield, Ohio. Incubator. No. 1,262,860; Apr. 16; v. 249; p. 586.
Smith, Samuel B., Cleveland, assignor to The Buckeye Incubator Co., Springfield, Ohio. Incubator. No. 1,263,138; Apr. 16; v. 249; p. 666.
Smith, Samuel H., Atlantic City, N. J. Apparatus for launching boats. No. 1,285,821; Nov. 26; v. 256; p. 718.
Smith, Samuel R. (See Smith, Wesley A., assignor.)
Smith, Samuel W., Cedarville, Cal. Head-gate. No. 1,270,228; June 18; v. 251; p. 648.
Smith, Sarah C. (See Bradley and Smith.)
Smith, Sarah E., assignor of one-half to R. A. Smith, Norfolk, Va. Corset-holder. No. 1,281,680; Oct. 15; v. 255; p. 486.
Smith, Sidney C. (See Wolfsberg and Smith.)
Smith, Sidney L., Pittsburgh, Pa. Gas-heater. No. 1,264,448; Apr. 30; v. 249; p. 1080.
Smith, Sidney L., Pittsburgh, Pa. Gas-heater. No. 1,273,284; July 23; v. 252; p. 792.
Smith, Sidney R., Liverpool, England. Telegraph or like system and apparatus therefor. No. 1,280,570; Oct. 1; v. 255; p. 126.
Smith & Sons, William. (See Smith, Ralph B., assignor.)
Smith, Stanley G. (See Sutherland and Smith.)
Smith, Stanley I., Dudley township, Hardin county, Ohio. Tire. No. 1,255,654; Feb. 5; v. 247; p. 156.
Smith, Stephen M., Boise, Idaho. Portable tower. No. 1,262,119; Apr. 9; v. 249; p. 348.
Smith, Stuart F., San Francisco, Cal. Computing and recording machine. No. 1,278,049; Sept. 3; v. 254; p. 195.
Smith, Theodore. (See Ryan and Smith.)
Smith, Thomas, Birmingham, Ala. Boiler-setting. No. 1,274,342; July 30; v. 252; p. 1120.
Smith, Thomas D., Chicago, Ill., assignor to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Connector. No. 1,277,765; Sept. 3; v. 254; p. 122.
Smith, Thomas E., Los Angeles, Cal. Automobile-signal. No. 1,257,646; Feb. 26; v. 247; p. 852.
Smith, Thomas M., Baltimore, Md. Signal for auto-drivers. No. 1,253,104; Jan. 8; v. 246; p. 517.
Smith, Thomas M., Baltimore, Md. Holder for hats, pencils, eyeglasses, and the like. No. 1,281,088; Oct. 8; v. 255; p. 294.
Smith, Thomas N., San Angelo, Tex. Valve construction. No. 1,255,806; Feb. 5; v. 247; p. 200.
Smith, Thomas O. L., San Francisco, Cal. Bottle. No. 1,275,315; Aug. 13; v. 253; p. 299.
Smith, Thomas V. (See Russell and Smith.)
Smith, Truman A., Mobile, Ala. Steering-wheel lock. No. 1,265,540; May 7; v. 250; p. 182.
Smith, Ulysses S., assignor of one-tenth to A. C. Kaufman, one-tenth to C. A. De Coe, one-tenth to A. A. McCollum, one-tenth to F. J. Johns, one-tenth to F. M. Quimby, one-tenth to A. Marty, one-tenth to H. E. Terry, one-tenth to J. M. Huested, and one-tenth to V. McCollum, Sacramento, Cal. Power-transmission mechanism. No. 1,285,822; Nov. 26; v. 256; p. 719.
Smith, Verna D. (See Smith, William B. and V. D.)
Smith, Voorhees G., assignor to A. E. Gibson and L. V. Bowlus, Iola, Kans. Camera attachment. No. 1,289,943; Dec. 31; v. 257; p. 1042.
Smith, Walter H., Pittsburgh, Pa., assignor to The Harris Automatic Press Company, Niles, Ohio. Bag-feeder. No. 1,260,825; Mar. 26; v. 248; p. 934.
Smith, Walter H., Pittsburgh, Pa., and C. J. Wright, assignors to The Harris Automatic Press Company, Niles, Ohio. Plate-holder for printing-presses. No. 1,260,470; Mar. 26; v. 248; p. 829.
Smith, Walter L., New York, N. Y. Tire-chain. No. 1,258,823; Mar. 12; v. 248; p. 293.
Smith, Walter L., Hartsfield, Ga. Peanut-huller. No. 1,259,678; Mar. 19; v. 248; p. 567.
Smith, Walter L., New York, N. Y. Tire-chain. No. 1,267,925; May 28; v. 250; p. 935.
Smith, Walter P., Phoenix, Ariz. Harvesting-machine. No. 1,275,623; Aug. 13; v. 253; p. 383.
Smith, Walter S., assignor of one-half to L. R. Dwake, Columbus, Ohio. Switch. No. 1,281,089; Oct. 8; v. 255; p. 294.
Smith, Walter S., Foxboro, assignor to The Plumbing Service Company, Boston, Mass. Valve. No. 1,283,581; Nov. 5; v. 256; p. 37.
Smith, Warren M., Moores, assignor to The J. G. Brill Company, Philadelphia, Pa. Door-operating means. No. 1,276,431; Aug. 20; v. 253; p. 641.
Smith, Watson R., and G. A. Franz, Jackson, Mich. Spring structure. No. 1,287,489; Dec. 10; v. 257; p. 355.
Smith, Wesley A., Atlantic City, assignor to himself, and S. R. Smith, Pleasantville, N. J. Life-buoy. No. 1,256,488; Feb. 12; v. 247; p. 443.
Smith & Wesson. (See Wesson, Joseph H., assignor.)
Smith, Wheeler E., Pueblo, Colo. Window-sash. No. 1,265,541; May 7; v. 250; p. 182.
Smith, Wilbert L. (See Lee, Charles A., assignor.)
Smith, Wilbert L., Syracuse, N. Y., and A. S. Dennis, Cleveland, Ohio; said Dennis assignor to said Smith. Shipping-box. No. 1,283,940; Nov. 5; v. 256; p. 132.
Smith, Wilbur C., St. Louis, Mo., assignor of one-half to B. C. Lutz, Jeffersonville, Ind. Type setting and distributing machine. No. 1,279,469; Sept. 17; v. 254; p. 632.
Smith, Wilbur C., St. Louis, Mo., assignor of one-half to B. C. Lutz, Jeffersonville, Ind. Type-distributing machine. No. 1,279,470; Sept. 17; v. 254; p. 632.
Smith, Willard A., Melrose, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Attaching shank-eyed buttons. No. 1,269,125; June 11; v. 251; p. 315.
Smith, Willard A., Melrose, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Button-sewing machine. No. 1,289,290; Dec. 31; v. 257; p. 881.
Smith, Willard A., Melrose, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Button-sewing machine. No. 1,289,291; Dec. 31; v. 257; p. 881.
Smith, Willard A., Melrose, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Button-sewing machine. No. 1,289,292; Dec. 31; v. 257; p. 881.
Smith, Willard A., Melrose, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. No. 1,289,293; Dec. 31; v. 257; p. 882.
Smith, William, Reading, Pa. Door-latch. No. 1,274,096; July 30; v. 252; p. 1052.
Smith, William, Los Angeles, Cal. Universal-joint lamp-support. No. 1,280,095; Sept. 24; v. 254; p. 833.
Smith, William A. (See Bowman, Levi M., assignor.)
Smith, William A. (See Moisan and Smith.)
Smith, William A., Kingston, Ontario, Canada. Hanger-rack. No. 1,264,342; Apr. 30; v. 249; p. 1049.

Smith, William A., Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company. Rock-drill. No. 1,253,290; Jan. 15; v. 246; p. 599.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-sharpener. No. 1,253,291; Jan. 15; v. 246; p. 600.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Co. Dolly mechanism for drill-sharpeners. No. 1,253,292; Jan. 15; v. 246; p. 600.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Fluid-operated motor. No. 1,257,753; Feb. 26; v. 247; p. 884.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Pin-puller. No. 1,264,216; Apr. 30; v. 249; p. 1015.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drill. No. 1,264,217; Apr. 30; v. 249; p. 1015.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drill. No. 1,267,705; May 28; v. 250; p. 871.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drill sharpener. No. 1,270,667; June 25; v. 251; p. 795.
Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Tool-retainer. No. 1,273,944; July 30; v. 252; p. 1011.
Smith, William B. and V. D., Detroit, Mich. Tube connection for hot-water bottles. No. 1,287,490; Dec. 10; v. 257; p. 356.
Smith, William C. (See Irwin, William C., assignor.)
Smith, William F., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Twisting-machine. No. 1,263,478; Apr. 23; v. 249; p. 780.
Smith, William F., Salem, N. H., assignor to I. L. Keith, Haverhill, Mass. Cementing-machine. No. 1,288,247; Dec. 17; v. 257; p. 575.
Smith, William H., Newark, N. J. Bag. No. 1,257,139; Feb. 19; v. 247; p. 668.
Smith, William H., Deming, N. Mex. Automatic liquid-elevator. No. 1,271,956; July 9; v. 252; p. 369.
Smith, William H., Falkirk, assignor to The Filbar Electric Heater, Limited, London, England. Electrical apparatus for heating liquids. No. 1,277,657; Sept. 3; v. 254; p. 91.
Smith, William H., Falkirk, assignor to The Filbar Electric Heater, Limited, London, England. Electrical apparatus for heating liquids. No. 1,278,775; Sept. 10; v. 254; p. 415.
Smith, William H., Fayette, Ala. Tire-heating furnace. No. 1,283,941; Nov. 5; v. 256; p. 132.
Smith, William H., assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Waste-valve. No. 1,287,126; Dec. 10; v. 257; p. 267.
Smith, William H. F., Milwaukee, Wis., assignor to International Harvester Corporation. Friction-clutch. No. 1,254,076; Jan. 22; v. 246; p. 846.
Smith, William J. (See Wiltse and Smith.)
Smith, William J., Waterbury, Conn. Separable fastener. No. 1,251,831; Jan. 1; v. 246; p. 119.
Smith, William J., assignor to Waterbury Clock Co., Waterbury, Conn. Clock-hammer. No. 1,266,875; May 21; v. 250; p. 612.
Smith, William J., assignor to Waterbury Clock Co., Waterbury, Conn. Butt-hinge. No. 1,271,235; July 2; v. 252; p. 137.
Smith, William J., Akron, Ohio. Multiple-tool spindle. No. 1,289,564; Dec. 31; v. 257; p. 949.
Smith, William M., East Pittsburgh, Pa. Nut-lock. No. 1,258,264; Mar. 5; v. 248; p. 92.
Smith, William S., assignor of one-eighth to C. B. Burrows and one-eighth to G. W. Dudley, Tishomingo, Okla. Hull-extractor for cotton. No. 1,257,543; Feb. 26; v. 247; p. 823.
Smith, William T., Columbia, S. C. Cheese-centering device. No. 1,252,189; Jan. 1; v. 246; p. 218.
Smith, William W., South Portland, Me. Bleeder-rod. No. 1,279,770; Sept. 24; v. 254; p. 742.
Smither, Richard E., Philadelphia, Pa. Game apparatus. No. 1,286,439; Dec. 3; v. 257; p. 63.
Smithey, Marvin, Lawrenceville, Va. Meter. No. 1,252,622; Jan. 8; v. 246; p. 376.
Smithey, Marvin, Lawrenceville, Va. Meter. (Reissue.) No. 14,515; Aug. 27; v. 253; p. 923.
Smithey, Walter D., Bay City, Tex. Means for generating and storing power. No. 1,254,737; Jan. 29; v. 246; p. 1066.
Smithey, Walter D., Bay City, Tex. Turbine-motor. No. 1,257,140; Feb. 19; v. 247; p. 668.
Smock, Claude V., Portland, Oreg. Mechanism for opening and closing doors. No. 1,268,401; June 4; v. 251; p. 95.
Smolowich, Morris, and J. Stone, Chicago, Ill. Coating and drying machine. No. 1,273,194; July 23; v. 252; p. 770.
Smoot, Charles H., assignor to Rateau Battu Smoot Company, New York, N. Y. Pressure-regulator for a flow of fluid. No. 1,252,623; Jan. 8; v. 246; p. 376.
Smothers, Harry F., and E. E. Norquist, Kansas City, Mo. Apparatus for supplying gasolene and compressed air. No. 1,266,337; May 14; v. 250; p. 433.
Smrz, Emil F. (See Hardin, Jacques J., assignor.)
Smurr, Samuel P., Chicago, Ill., assignor of one-half to F. P. Smith. Wire coiling and cutting machine. No. 1,262,120; Apr. 9; v. 249; p. 348.
Smyth, Charles F., assignor to Connecticut Aircraft Company, New Haven, Conn. Balloon-valve. No. 1,266,338; May 14; v. 250; p. 434.
Smyth, Charles F., assignor to Connecticut Aircraft Company, New Haven, Conn. Kite, captive, or observation balloon. No. 1,288,451; Dec. 17; v. 257; p. 623.
Smyth, Herbert C. H., London, England. Cut-in and cut-out device for electric generators. No. 1,288,452; Dec. 17; v. 257; p. 624.
Smyth Manufacturing Company, The. (See Taylor, Frederick D., assignor.)
Smyth, William V., Jersey City, N. J. Adjustable expansion-coupling. No. 1,263,953; Apr. 23; v. 249; p. 910.
Smythe, Richard M., Brooklyn, N. Y. Drinking-fountain. No. 1,276,820; Aug. 27; v. 253; p. 783.
Smythe, Thomas E., Grand Rapids, Mich. Tire-repair tool. No. 1,284,485; Nov. 12; v. 256; p. 302.
Snapp, Leonard R., Columbus, Ohio. Vehicle-body. No. 1,278,513; Sept. 10; v. 254; p. 345.
Snartemo, Ingvald B. (See Satrum and Snartemo.)
Snavely, Frank B., and A. J. Ulvestad, Lake City, Iowa. Check-row attachment for corn-planters. No. 1,267,006; May 21; v. 250; p. 650.
Snavely, Guy H. (See Baker and Snavely.)
Snead & Co. Iron Works, The. (See Macdonald, Angus S., assignor.)
Snead & Co. Iron Works, The. (See Macdonald and Huggins, assignors.)
Sneddon, Andrew. (See McGregor and Sneddon.)
Snedigar, Elzo E., assignor of one-half to A. W. Wells, Sioux Pass., Mont. Check-row-planter attachment. No. 1,268,291; June 4; v. 251; p. 63.
Snee, John A., Jr., West Elizabeth, Pa. Variable-power regulation. No. 1,271,788; July 9; v. 252; p. 321.
Sneierson, Samuel L., Boston, Mass., assignor to Independent Button Fastener Machine Company. Button-setting machine. No. 1,271,789; July 9; v. 252; p. 321.
Snell, Charles W., *et al.* (See Hunt, Ozello R., assignor.)
Snell, George C., San Jose, Cal. Internal-combustion engine. No. 1,282,968; Oct. 29; v. 255; p. 907.
Snell, Harry, Seattle, Wash. Fruit-sorting apparatus. No. 1,281,090; Oct. 8; v. 255; p. 295.
Snelling, Walter O., Allentown, Pa. Fertilizing method and material. No. 1,289,565; Dec. 31; v. 257; p. 949.
Snelling, Walter O., Long Island City, N. Y. Preparation of metal nitrates. No. 1,285,824; Nov. 26; v. 256; p. 719.
Snelling, Walter O., Pittsburgh, Pa. Photochemical apparatus. No. 1,271,790; July 9; v. 252; p. 322.
Snelling, Walter O., Pittsburgh, Pa. Fertilizing method and material. No. 1,274,343; July 30; v. 252; p. 1120.
Snelling, Walter O., Pittsburgh, Pa. Preparation of compounds by the aid of light. No. 1,285,823; Nov. 26; v. 256; p. 719.
Snelling, Walter O., Pittsburgh, Pa. Battery-electrode. No. 1,288,722; Dec. 24; v. 257; p. 719.
Snelling, Walter O., Pittsburgh, Pa. Manufacture of rubber derivatives. No. 1,288,723; Dec. 24; v. 257; p. 719.
Snelling, Walter O., Pittsburgh, Pa. Electric safety-fuse. No. 1,288,724; Dec. 24; v. 257; p. 719.
Snelling, Walter O., Pittsburgh, Pa., assignor of one-half to D. Smith, Montclair, N. J. Dust-reducing material. No. 1,258,637; Mar. 5; v. 248; p. 202.
Snelling, Walter O., Pittsburgh, Pa., assignor, by mesne assignments, to Consolidated Liquid Gas Company, Chicago, Ill. Refining apparatus. No. 1,259,679; Mar. 19; v. 248; p. 567.
Snelson, William J., Bemidji, Minn. Cattle-stanchion. No. 1,285,440; Nov. 19; v. 256; p. 583.
Snickers, Edward, Matlock, Wash. Automatic gate. No. 1,267,134; May 21; v. 250; p. 687.
Snider, Charles A., Boise, Idaho. Pattern-drafting machine. No. 1,270,338; June 25; v. 251; p. 706.
Snider, George D. (See Orr and Snider.)
Snider, Percy M., assignor of one-half to F. E. Tallmadge, Detroit, Mich. Gas-mixer. No. 1,279,771; Sept. 24; v. 254; p. 742.
Snider, Warren L., Hot Springs, Ark. Film-mount. No. 1,285,441; Nov. 19; v. 256; p. 583.
Snigo, James J., Pittsburgh, Pa. Armor for pneumatic tires. No. 1,268,402; June 4; v. 251; p. 95.
Snively, Howard V., Kansas City, Mo. Traveling hoist. No. 1,266,636; May 21; v. 250; p. 547.
Snodgrass, William. (See Johnson and Snodgrass.)
Snook, Homer C., Cynwyd, and G. H. White, Haverford, Pa. X-ray apparatus. No. 1,252,504; Jan. 8; v. 246; p. 341.
Snook, Homer C., Oak Park, and E. W. Kelly, Chicago, Ill. Vacuum regulation. No. 1,267,706; May 28; v. 250; p. 871.
Snow, Edwin M., Lowell, assignor to The Lamson Company, Boston, Mass. Corner for conveyers for newspapers and the like. No. 1,254,941; Jan. 29; v. 246; p. 1128.
Snow, Francis T., and P. E. Maurer, San Jose, Cal. Automobile-clutch lock. No. 1,267,926; May 28; v. 250; p. 935.

Snow, Frank P., Los Angeles, Cal. Irrigating-valve. No. 1,287,127; Dec. 10; v. 257; p. 268.
Snow, Frank P., Los Angeles, Cal. Portable hydrant. No. 1,287,128; Dec. 10; v. 257; p. 268.
Snow, George B., Long Beach, Cal. Flask-closing apparatus for vulcanizers. No. 1,254,942; Jan. 29; v. 246; p. 1128.
Snow, Isaac, Lawrence, Mass. Filling stop-motion. No. 1,275,487; Aug. 13; v. 253; p. 345.
Snow, Joseph A. (See Wolfe and Snow.)
Snow, Norman L., assignor to The Terry Steam Turbine Company, Hartford, Conn. Auxiliary power system. No. 1,259,307; Mar. 12; v. 248; p. 430.
Snow, Theodore T., Hot Springs, S. D. Weed-destroyer. No. 1,257,544; Feb. 26; v. 247; p. 823.
Snowdon, William F., Brooklyn, N. Y. Head-lamp controller. No. 1,257,141; Feb. 19; v. 247; p. 668.
Snowden, William F., Brooklyn, N. Y. Combination-wrench. No. 1,288,248; Dec. 17; v. 257; p. 576.
Snyder, Adolph M., Cincinnati, Ohio. Wind-shield shade. No. 1,289,944; Dec. 31; v. 257; p. 1042.
Snyder, Arthur M., Fairfield, Iowa. Internal-combustion engine. No. 1,273,285; July 23; v. 252; p. 795.
Snyder, Charles W., Altoona, Pa. Tank inlet-valve. No. 1,266,637; May 21; v. 250; p. 547.
Snyder, David W., Chicago, Ill. Machine for making paper bags. No. 1,265,270; May 7; v. 250; p. 110.
Snyder, Edgar W. (See Kryder and Snyder.)
Snyder, Edgar W., Los Angeles, Cal., assignor, by mesne assignments, to Ocotillo Products Company. Rubber composition. No. 1,254,632; Jan. 22; v. 246; p. 1006.
Snyder, Edgar W., Los Angeles, Cal., assignor, by mesne assignments, to Ocotillo Products Company. Flexible floor-covering. No. 1,262,990; Apr. 16; v. 249; p. 622.
Snyder, Emmanuell H., Davenport, Iowa. Check-head device. No. 1,272,722; July 16; v. 252; p. 613.
Snyder, Frank C., Scottdale, Pa. Lubricator. No. 1,286,817; Dec. 3; v. 257; p. 150.
Snyder, Frank S., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. No. 1,283,343; Oct. 29; v. 255; p. 1005.
Snyder, Frederick S., New Kensington, Pa. Pipe-ball. No. 1,276.585; Aug. 20; v. 253; p. 683.
Snyder, Frederick T., Oak Park, Ill. Electric furnace. No. 1,254,077; Jan. 22; v. 246; p. 846.
Snyder, Frederick T., Oak Park, Ill. Steel process. No. 1,254,078; Jan. 22; v. 246; p. 847.
Snyder, Frederick T., Oak Park, Ill. Electric smelting-furnace. No. 1,254,079; Jan. 22; v. 246; p. 847.
Snyder, Frederick T., Oak Park, Ill. Electrode-holder. No. 1,254,080; Jan. 22; v. 246; p. 847.
Snyder, Frederick T., Oak Park, Ill. Electric-furnace contact. No. 1,271,093; July 2; v. 252; p. 95.
Snyder, Frederick T., Oak Park, Ill. Apparatus for charging electric furnaces and the like. No. 1,276,586; Aug. 20; v. 253; p. 683.
Snyder, Frederick T., Oak Park, Ill. Three-phase electric furnace and operating same. No. 1,279,928; Sept. 24; v. 254; p. 788.
Snyder, George C., New York, N. Y., assignor to The Threadless Button Company. Carrier-tape. No. 1,258,715; Mar. 12; v. 248; p. 262.
Snyder, George C., assignor to W. H. Davis, trustee, New York, N. Y. Apparatus for manufacturing hollow ware. No. 1,270,889; July 2; v. 252; p. 39.
Snyder, George C., assignor to W. H. Davis, trustee, New York, N. Y. Manufacture of hollow ware. No. 1,270,890; July 2; v. 252; p. 39.
Snyder, George C., assignor to W. H. Davis, trustee, New York, N. Y. Hollow ware. No. 1,270,891; July 2; v. 252; p. 39.
Snyder, Harrison B., Palmyra, Pa. Fluid-control apparatus. No. 1,273,195; July 23; v. 252; p. 770.
Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Draining device. No. 1,271,625; July 9; v. 252; p. 277.
Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Band-cutter for threshing-machine feeders. No. 1,271,626; July 9; v. 252; p. 277.
Snyder, Jacob R., Pittsburgh, Pa. Rebound-check. No. 1,286,818; Dec. 3; v. 257; p. 150.
Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Steam-engine reversing-gear. No. 1,252,190; Jan. 1; v. 246; p. 218.
Snyder, James R., Wilkinsburg, Pa. Flexible pipe-joint. No. 1,286,819; Dec. 3; v. 257; p. 151.
Snyder, Michael T., *et al.* (See Unruh, Albert A., assignor.)
Snyder, Parke T., Chicago, Ill. Electrical connector. No. 1,260,085; Mar. 19; v. 248; p. 687.
Snyder, Parke T., assignor of one-half to R. J. Beatty, Chicago, Ill. Electrical connector. No. 1,255,943; Feb. 12; v. 247; p. 280.
Snyder, Parke T., assignor of one-half to R. J. Beatty, Chicago, Ill. Cooling-fan and controlling means. No. 1,265,271; May 7; v. 250; p. 110.
Snyder, Theodore J., assignor of one-fourth to G. S. Jacobs and one-fourth to M. H. Eichengreen, Chicago, Ill. Bottle-stopper. No. 1,286.133; Nov. 26; v. 256; p. 794.
Snyder, Thomas J., Anatone, Wash. Shock-absorber. No. 1,273,011; July 16; v. 252; p. 695.
Snyder, William A. (See Hieatzman, Arthur H., assignor.)
Snyder, William J., and L. Knott, Altoona, Pa. Toy pistol. No. 1,278,514; Sept. 10; v. 254; p. 345.
Soans, Cyril A., Chicago, Ill., assignor, by mesne assignments, to Bijur Motor Appliance Company. Electrical starting system for internal-combustion engines. No. 1,282,969; Oct. 29; v. 255; p. 907.
Sobel, Philip L., Philadelphia, Pa. Calculating-machine. No. 1,264,701; Apr. 30; v. 249; p. 1150.
Soc. Anm. Waddinxveensche Kurkwarenfabriek Ci-Devant L. Vermeulen & Co. (See Krümmling, Max, assignor.)
Società Anonima Italiana Gio Ansaldo & Co. (See Delacourt, Alberto F., assignor.)
Società Anonima Italiana, Gio. Ansaldo & C. (See Giolitti, Federico, assignor.)
Société Anonyme des Amortisseurs et Suspensions "Oleo Pneumatiques." (See Sinsou, Jean P., assignor.)
Societe anonyme des Ateliers de Construction de J. J. Gilain. (See Cos, Abraham J., assignor.)
Societe Anonyme Des Automobiles & Cycles Peugeot. (See Koechlin, Isaac, assignor.)
Societe Anonyme Des Automobiles Et Cycles Peugeot. (See Truffault, Jules M. M., assignor.)
Société Anonyme des Combustibles Industriels. (See Melchior, Felix M. A. A., assignor.)
Société Anonyme des Combustibles Industriels. (See Rosen, Jean, assignor.)
Societe Anonyme Des Etablissements Delaunay-Belleville. (See Radiguer, Charles, assignor.)
Société Anonyme Des Etablissements Nieuport. (See Bazaine, Léon, assignor.)
Société Anonyme du Carburateur Zenith. (See Pradier, Enogat C., assignor.)
Société Anonyme Metallurgique Procedes De Laval. (See Johansson, Edvin A., assignor.)
Société Anonyme pour l'Eclairage Electrique des Vehicules. (See Dutreux, Auguste, assignor.)
Societe Anonyme Pour L'Exploitation Des Procedes Westinghouse-Leblanc. (See Leblanc, Maurice, assignor.)
Societe Chimique Des Usines Du Rhone. (See Koetschet, Joseph, assignor.)
Societe Chimique Des Usines Du Rhone. (See Koetschet and Theumann, assignors.)
Societe Clerget, Blin & Cie. (See Clerget, Pierre, assignor.)
Société d'Electricité Mors. (See Guichard, Marcel, assignor.)
Société Des Automobiles Alda. (See Waseige, Charles R., assignor.)
Société des Combustibles Industriels. (See Rosen, Jean, assignor.)
Société des Moteurs Gnome. (See Seguin, Louis L. A., assignor.)
Societe Des Moteurs Salmson (Systeme Canton-Unne). (See Salmson, Emile J. J., assignor.)
Société Dite: La Cellophane. (See Brandenberger, Jacques E., assignor.)
Societe du Carburateur Zenith. (See Baverey, François, assignor.)
Societe du Carbureteur Zenith. (See Heftler, Victor R., assignor.)
Société H. Arquembourg Joret & Cie. (See Joret, Léon J., assignor.)
Societe Lorraine Des Anciens Etablissements De Dietrich & Cie. De Luneville. (See Maire, Auguste, assignor.)
Société P. Raffin & Fils. (See Raffin, Maurice R., assignor.)
Societe pour l'exploitation d'Articles de Modes Masculines (S. A. M. M. S. A.). (See Varaud, André, assignor.)
Society Anonyme Des Anciens Etablissements Hotchkiss & Cie. (See Lefevre, Armand L. F., assignor.)
Society of Chemical Industry in Basle. (See Anderwert, Fritzsche, and Schobel, assignors.)
Society of Chemical Industry in Basle. (See Bots, Paul, assignor.)
Society of Chemical Industry in Basle. (See Dutoit, Pierre, assignor.)
Society of Chemical Industry in Basle. (See Engi and Jagerspacher, assignors.)
Society of Chemical Industry in Basle. (See Grob and Würgler, assignors.)
Society of Chemical Industry in Basle. (See Hartmann, Max, assignor.)
Society of Chemical Industry in Basle. (See Hüssy, Paul, assignor.)
Society of Chemical Industry in Basle. (See Hüssy and Föhrenbach, assignors.)
Society of Chemical Industry in Basle. (See Hüssy and Hartmann, assignors.)
Society of Chemical Industry in Basle. (See Reber, Emil, assignor.)
Sockwell, Charlie L., Northwilkesboro, N. C. Grain-shoe. No. 1,289,945; Dec. 31; v. 257; p. 1043.
Soderborg, Edward F., assignor of forty-nine one-hundredths to E. O. Hatten, Long Beach, Cal. Go-cart. No. 1,280.888; Oct. 8; v. 255; p. 241.
Soderin, Nels W. (See Pribnow and Soderin.)

Soderlind, Anton E., *et al.* (See Olson, Oscar L., assignor.) (Reissue.)
Söderlund, Carl G., Gottenborg, Sweden. Ball-bearing with a single row of balls. No. 1,266,071; May 14; v. 250; p. 361.
Söderlund, Olof, and T. Boberg, Clapham Park, assignors to Techno Chemical Laboratories Limited, London, England. Distillation of liquids. No. 1,252,962; Jan. 8; v. 246; p. 473.
Soderquist, John, Beloit, Wis. Tire-armor. No. 1,259,308; Mar. 12; v. 248; p. 430.
Soderstrom, John A., Buffalo, N. Y. Attachment for sink-boards. No. 1,264,702; Apr. 30; v. 249; p. 1150.
Soehnlein, Friedrich W., C. Kusenberg, and M. Franz, Wiesbaden, Germany. Driving-chain. No. 1,253,542; Jan. 15; v. 246; p. 674.
Soemer, Joseph C., Newark, N. J. Compound centrifugal pump. No. 1,266,072; May 14; v. 250; p. 361.
Sohm, Henry G., Connell, Wash. Washing-machine. No. 1,253,899; Jan. 15; v. 246; p. 776.
Sohn, John W., Roxborough, assignor to A. T. Baker & Company, Manayunk, Philadelphia, Pa. Pile fabric. No. 1,270,229; June 18; v. 251; p. 648.
Sohn, John W., Roxborough, assignor to A. T. Baker & Company, Manayunk, Philadelphia, Pa. Pile fabric. No. 1,270,230; June 18; v. 251; p. 648.
Sohn, John W., Roxborough, assignor to A. T. Baker & Company, Manayunk, Pa. Pile fabric. No. 1,285,422; Nov. 19; v. 256; p. 583.
Soileau, Louis C. (See Bailey and Soileau.)
Soisson, Vincent H., Connellsville, Pa. Machine for making silica brick. No. 1,282,970; Oct. 29; v. 255; p. 907.
Sokal, Edward, Chicago, Ill. Battery. No. 1,258,265; Mar. 5; v. 248; p. 92.
Sokal, Edward, Chicago, Ill. Primary battery. No. 1,258,266; Mar. 5; v. 248; p. 92.
Sokolov, Jacob. (See Kurowski and Sokolov.)
Sokolov, Jacob, New York, N. Y. Time-recording lock. No. 1,261,965; Apr. 9; v. 249; p. 306.
Solar Metal Products Company, The. (See Baxter, Oscar L., assignor.)
Solar Metal Products Company, The. (See Gogay, Harry R., assignor.)
Solar Metal Products Company. (See Gogay and Berrill, assignors.)
Sole, William C., Sullivan, Ind. Well-drilling machine. No. 1,274,950; Aug. 6; v. 253; p. 173.
Sole, William C., Sullivan, Ind. Well-drilling machine. No. 1,285,443; Nov. 19; v. 256; p. 583.
Soleau, Charles J., Upper Montclair, N. J. Swing-hanger. No. 1,258,267; Mar. 5; v. 248; p. 92.
Soleau, Edward R., Belleville, N. J. Combined vise-holder and rod or pipe bending attachment. No. 1,286,134; Nov. 26; v. 256; p. 794.
Solhem, Nicholas, Waterbury, Conn. Organ-action. No. 1,283,582; Nov. 5; v. 256; p. 37.
Sollen, Adam, New York, N. Y. Combination-garment. No. 1,285,444; Nov. 19; v. 256; p. 584.
Sollender, Albert P., Portland, Oreg. Vehicle-lift. No. 1,263,954; Apr. 23; v. 249; p. 910.
Solomon, A. W. (See Harbach, John S., assignor.)
Solomon, Edgar A., Pittsburgh, Pa. Bedstead. No. 1,278,050; Sept. 3; v. 254; p. 196.
Solomon, Julius, Oberlin, Ohio. Shoe-sole. No. 1,281,220; Oct. 8; v. 255; p. 331.
Solosky, I. (See Mularz, Joseph, assignor.)
Solt, Ray A., Treichlers, Pa. Combination license-tag holder and tail-light. No. 1,278,776; Sept. 10; v. 254; p. 415.
Solvay Process Company, The. (See Trump, Edward N. assignor.)
Somerford, Walter W., Rosslyn, Va. Horizontal honey-extractor. No. 1,273,286; July 23; v. 252; p. 795.
Somermeier, Edward E., Englewood, Fla. Apparatus for subjecting gases to the action of heat and pressure. No. 1,286,135; Nov. 26; v. 256; p. 794.
Somers, Charles, Jr. (See Crossley, William, assignor.)
Somers, Charles E., Milwaukee, Wis. Milking-machine. No. 1,259,309; Mar. 12; v. 248; p. 430.
Somers, Clark S. (See Rasmussen, Christian, assignor.)
Somers, Roy B., assignor to The Federal Tool & Stamping Company, Zeeland, Mich. Metal clamp. No. 1,260,826; Mar. 26; v. 248; p. 934.
Somers, Thomas F., New York, N. Y. Corset. No. 1,256,603; Feb. 19; v. 247; p. 512.
Somerville, Albert A., Flushing, N. Y., and M. J. Rentschler, Willoughby, Ohio, assignors to Rubber Regenerating Company. Material comprising metal and vulcanized rubber. No. 1,289,566; Dec. 31; v. 257; p. 950.
Somerville, Benjamin G., Bronx, N. Y. Cream-remover. No. 1,288,725; Dec. 24; v. 257; p. 719.
Sommer, John L., Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Garment-hanger. No. 1,282,480; Oct. 22; v. 255; p. 744.
Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The First Trust and Savings Company, Cleveland, Ohio, and W. E. Stone, Peoria, Ill., trustees. Recovering sulfate crystals. No. 1,256,068; Feb. 12; v. 247; p. 317.
Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The First Trust and Savings Company, Cleveland, Ohio, and W. E. Stone, Peoria, Ill., trustees. Wire-filler-securing means for gate-frames. No. 1,259,151; Mar. 12; v. 248; p. 388.
Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The First Trust and Savings Company, Cleveland, Ohio, and W. E. Stone, Peoria, Ill., trustees. Wire-working machine. No. 1,264,987; May 7; v. 250; p. 32.
Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The First Trust & Savings Company, Cleveland, Ohio, and W. E. Stone, Peoria, Ill., trustees. Clamp. No. 1,265,397; May 7; v. 250; p. 144.
Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The First Trust & Savings Company, Cleveland, Ohio, and W. E. Stone, Peoria, Ill., trustees. Wire-heading machine. No. 1,287,777; Dec. 17; v. 257; p. 459.
Sommerhof, William A., Erie, Pa. Sound-controller. No. 1,288,726; Dec. 24; v. 257; p. 719.
Sommers, Sylvester A., Saginaw, Mich. Device for removing fibers from match-sticks. No. 1,269,329; June 11; v. 251; p. 373.
Sonderegger, Johann R., Nesslau, A. Messmer, Rapperswil, and F. Erdrich, Zurich, assignors to C. Reinhardt, Berne, Switzerland. Preserving green fodder in the form of sweet green fodder. No. 1,257,754; Feb. 26; v. 247; p. 885.
Sondermann, Albert F. (See Peters and Sondermann.)
Sone, William E., *et al.*, trustees. (See Sommer, William H., assignor.)
Sonen, William A. (See Ruhe and Sonen.)
Sonn, Sidney H., New York, N. Y. Neckwear-holder. No. 1,271,379; July 2; v. 252; p. 175.
Sonne, William W., Morton Grove, Ill. Spring-wheel. No. 1,281,221; Oct. 8; v. 255; p. 331.
Sonneborn, Charles, West Pittsburgh, Pa. Radiating-casing. No. 1,261,637; Apr. 2; v. 249; p. 183.
Sonneborn, Charles, West Pittsburgh, assignor to Pressed Metal Radiator Company, Pittsburgh, Pa. Radiator or cooler. No. 1,278,243; Sept. 10; v. 254; p. 273.
Sonneborn, Sol S., Brooklyn, N. Y. Multiple-section suspension-insulator. No. 1,282,481; Oct. 22; v. 255; p. 744.
Sonnenthal, Irving, New York, N. Y. Umbrella. No. 1,262,122; Apr. 9; v. 249; p. 349.
Sonners, Ora, Cody, Wyo. Current-motor. No. 1,272,322; July 9; v. 252; p. 474.
Sonnichsen, Andreas M., Milwaukee, Wis., assignor to Protex Manufacturing Company, Chicago, Ill. Tire-gage. No. 1,274,620; Aug. 6; v. 253; p. 81.
Sonora Phonograph Corporation. (See Brown, Thomas D., assignor.)
Sonora Phonograph Corporation. (See Farb, Pincus, assignor.)
Sonora Phonograph Corporation. (See Malocsay, Frank, assignor.)
Sonora Phonograph Corporation. (See Wolff, Joseph, assignor.)
Sons, Ernest L., assignor of one-half to S. A. Boyd, Pittsburgh, Pa. Leak-stopper. No. 1,253,293; Jan. 15; v. 246; p. 601.
Sonsthagen, Asbjorn, West Ealing, assignor of one-half to E. H. Morris, Stone Ness, Kent, England. High-speed reducing and refining apparatus. No. 1,284,940; Nov. 12; v. 256; p. 417.
Sooter, Earl. (See Sooter, Ray E. and E.)
Sooter, Ray E. and E., Coldwater, Kans. Straw-spreader. No. 1,258,370; Mar. 5; v. 248; p. 121.
Sooy, Franklin W., Asbury Park, N. J. Paper doll. No. 1,273,945; July 30; v. 252; p. 1011.
Sooy, Norman H., assignor to The Kansas City Hay Press Company, Kansas City, Mo. Tractor. No. 1,279,030; Sept. 17; v. 254; p. 515.
Sopata, Louis F., East Hammond, Ind. Soldier's protector. No. 1,274,621; Aug. 6; v. 253; p. 81.
Soper, Ellis C., Chattanooga, Tenn., assignor to Armour Fertilizer Works, Chicago, Ill. Treatment of phosphates. No. 1,281,681; Oct. 15; v. 255; p. 486.
Soper, Erwin C., *et al.* (See Hulbert, Clarence, assignor.)
Sopwith, Thomas O. M., Kingston-upon-Thames, England. Adjustable seat for gunners in armed aeroplanes and the like. No. 1,275,624; Aug. 13; v. 253; p. 384.
Söraas, Ingvar, Indre Aalvik, Hardanger, Norway. Process of dissociating waste lye from the sulfite-cellulose manufacture. No. 1,268,774; June 4; v. 251; p. 199.
Sorby, Lawrence A., Arlington, Mass. Adjustable scale-holder. No. 1,289,946; Dec. 31; v. 257; p. 1043.
Sordyka, Jozef, Grand Rapids, Mich. Balloon construction. No. 1,274,207; July 30; v. 252; p. 1084.
Soren, Louis, Toronto, Ontario, Canada. Steel helmet. No. 1,280,322; Oct. 1; v. 255; p. 59.
Sorensen, Charlie G. (See Wigness, Cornelius R., assignor.)
Sorensen, Henry, *et al.* (See Ward, John A., assignor.)
Sorensen, Minnie M., Chicago, Ill. Type-writer attachment. No. 1,286,820; Dec. 3; v. 257; p. 151.
Sorenson, Henry M., and J. A. Wesley, assignors of one-third to G. W. Lee, Chicago, Ill. Sign. No. 1,258,957; Mar. 12; v. 248; p. 331.

Alphabetical list of patentees—Continued.

Sorenson, Rasmus A., Pittsburgh, Pa. Apparatus for measuring garments. No. 1,261,452; Apr. 2; v. 249; p. 130.
Sorensen, Severin, Dazey, N. D. Coffee substitute. No. 1,288,727; Dec. 24; v. 257; p. 719.
Sorg, Herman D. (See Schütz, Conrad, assignor.)
Sorg, William A., Minneapolis, assignor, by mesne assignments, to F. B. Bradbury, trustee, St. Paul, Minn. Combustion-engine. No. 1,257,142; Feb. 19; v. 247; p. 668.
Sorge, Adolph, Jr., St. Joseph, Mich. Liquid-flow meter. No. 1,258,268; Mar. 5; v. 248; p. 93.
Sorley, Hartvig, Macomb, Ill. Aeroplane. No. 1,269,871; June 18; v. 251; p. 555.
Sorley, Hartvig, Macomb, Ill. Propelling mechanism for aeroplanes. No. 1,269,872; June 18; v. 251; p. 555.
Sorley, Hartvig, Macomb, Ill. Carriage structure for aeroplanes. No. 1,269,873; June 18; v. 251; p. 555.
Sorocinksky, Bronislaw, Cosmopolis, Wash. Hat-securing means. No. 1,252,855; Jan. 8; v. 246; p. 441.
Sorocinksky, Bronislaw, Cosmopolis, Wash. Tie. No. 1,283,344; Oct. 29; v. 255; p. 1005.
Sorrell, Henry A., Asheville, N. C. Tire-tool. No. 1,260,587; Mar. 26; v. 248; p. 865.
Sorrenti, Sandy S., San Francisco, Cal. Door-operating mechanism. No. 1,267,137; May 21; v. 250; p. 688.
Sortwell, Daniel R., *et al.*, trustees. (See Callan, John G., assignor.)
Sorum, Alexander E., and R. T. Brockman, assignors to International Money Machine Company, Terre Haute, Ind. Registering and money-paying machine. No. 1,257,143; Feb. 19; v. 247; p. 669.
Sosa, August M., and W. P. Winters, assignors to The American Tool Works Company, Cincinnati, Ohio. Stop mechanism. No. 1,280,571; Oct. 1; v. 255; p. 127.
Sosa, Augustus M. (See Robinson and Sosa.)
Sosskin, Harry, Philadelphia, Pa. Radiator. No. 1,271,236; July 2; v. 252; p. 137.
Sothan, Carl E., Hallam, Nebr. Trap. No. 1,264,703; Apr. 30; v. 249; p. 1150.
Sottile, Thomas, assignor of one-half to S. Paradiso, Hoboken, N. J. Clothes-line. No. 1,262,123; Apr. 9; v. 249; p. 349.
Soucy, Elzeard O., assignor of one-half to M. Lalond, Rush City, Minn. Poultry drinking-fountain. No. 1,269,874; June 18; v. 251; p. 556.
Soule, Arthur C., San Francisco, Cal. Window-mounting. No. 1,256,839; Feb. 19; v. 247; p. 581.
Soule, Arthur C., San Francisco, Cal. Window. No. 1,256,840; Feb. 19; v. 247; p. 581.
Soule, Arthur C., assignor to Sanitary Screen and Shade Company, San Francisco, Cal. Window-screen. No. 1,256,838; Feb. 19; v. 247; p. 580.
Soule, Arthur C., assignor to Sanitary Screen and Shade Company, San Francisco, Cal. Window-screen. No. 1,263,617; Apr. 23; v. 249; p. 818.
Soule, Arthur C., assignor to Simplex Window Company, San Francisco, Cal. Window-sash mounting. No. 1,271,380; July 2; v. 252; p. 176.
Soule, Herbert G., Hinton, Iowa. Permutation-lock. No. 1,274,097; July 30; v. 252; p. 1053.
Soulée, William T., Malden, assignor to Stone & Forsyth Company, Boston, Mass. Box. No. 1,279,772; Sept. 24; v. 254; p. 742.
Sound-O-Photoplay Co. (See Andres and Jones, assignors.)
South Side Trust Company, trustee. (See Herr, Henry C., assignor.)
Southall, Thomas J. (See Guise and Southall.)
Southam, William A., *et al.* (See Lord, Alfred B., assignor.)
Souther, John G., Jamaica Plain, Mass. Dispensing device. No. 1,273,012; July 16; v. 252; p. 695.
Souther, Joseph W. (See Drew, William F., assignor.)
Southerland, George W. (See Brown and Southerland.)
Southern Electro-Chemical Company. (See Hechenbleikner, Ingenuin, assignor.)
Southern, John W., Vancouver, British Columbia, Canada. Oven-temperature regulator. No. 1,273,196; July 23; v. 252; p. 771.
Southon, Harold, Putney, London, England. Vise or clamp. No. 1,257,755; Feb. 26; v. 247; p. 885.
Southwark Foundry & Machine Co. (See Good, Paul E., assignor.)
Southwark Foundry & Machine Co. (See Hellmer, Ralph E., assignor.)
Southwark Foundry & Machine Co. (See Hutchinson, Morton C., assignor.)
Southwell, John A., West Pittston, Pa. Shovel. No. 1,261,638; Apr. 2; v. 249; p. 183.
Southwestern Engineering Company. (See Kollberg and Kraut, assignors.)
Southwood, Richard J., Upper Norwood, England. Garden shears, pruner, and the like. No. 1,254,284; Jan. 22; v. 246; p. 906.
Southworth, Eugene C., Southington, assignor to The Steel Products Company, Plantsville, Conn. Fastening means. No. 1,275,488; Aug. 13; v. 253; p. 345.
Southworth, Oliver M., Boynton, Okla. Book-holder. No. 1,281,682; Oct. 15; v. 255; p. 486.
Sova, Emil, Bridgeport, Conn. Means for preventing vessels from sinking. No. 1,283,345; Oct. 29; v. 255; p. 1005.

Sowell, Ernest E. (See Sowell, John A. and E. E.)
Sowell, Ernest E. and J. A., Sacramento, Cal. Ball-bearing lock-nut. No. 1,267,927; May 28; v. 250; p. 935.
Sowell, John A. (See Sowell, Ernest E. and J. A.)
Sowell, John A. and E. E., Sacramento, Cal. Ball-bearing lock-nut. No. 1,263,910; Apr. 23; v. 249; p. 898.
Sowers, Leroy E., and P. S. Phillips, Livermore, Cal. Separating manganese dioxid from ore containing the same. No. 1,277,144; Aug. 27; v. 253; p. 870.
Sowers, Leroy E., and P. S. Phillips, Livermore, Cal. Separator for separating manganese dioxid from ores containing the same. No. 1,277,145; Aug. 27; v. 253; p. 871.
Spacie, Thomas, De Kalb, Ill. Driving and steering device for motor-vehicles. (Reissue.) No. 14,472; May 14; v. 250; p. 491.
Spacke, David. (See Brownlee, Dalmar T., assignor.)
Spade, Herbert O., Flint, Mich. Variable-speed gearing. No. 1,261,312; Apr. 2; v. 249; p. 91.
Spadone, Walter W., Brooklyn, assignor to The Gutta Percha & Rubber Mfg. Co., New York, N. Y. Belt. No. 1,279,601; Sept. 24; v. 254; p. 693.
Spahn, Fred C., Schleswig, Iowa. Tire-chain container. No. 1,257,647; Feb. 26; v. 247; p. 853.
Spahr, Otto, and C. Stichler, assignors to Strause Gas Iron Co., Philadelphia, Pa. Sad-iron. (Reissue.) No. 14,527; Oct. 1; v. 255; p. 141.
Spain, Leon S., Kansas City, Mo. Gear-changing mechanism. No. 1,287,129; Dec. 10; v. 257; p. 268.
Spain, William. (See Jefferies and Spain.)
Spainhour, James S., assignor of one-half to S. F. Beckwith, Hempstead, N. Y. Aeroplane. No. 1,270,339; June 25; v. 251; p. 706.
Spalding By-Products Company, The. (See Paul, Christian F., Jr., assignor.)
Spalding, Edward H., Duluth, Minn. Metallic tie. No. 1,258,488; Mar. 5; v. 248; p. 156.
Spalding, George W., Worcester, Mass, assignor to Universal Patents Company. Woven carrier. No. 1,275,489; Aug. 13; v. 253; p. 346.
Spang, Chalfant and Co. (See Hampton, William J., assignor.)
Spang, Chailant and Co. (See Hampton and Ritts, assignors.)
Spang, Ferdinand J., Butler, Pa. Heating and soaking furnace. No. 1,280,889; Oct. 8; v. 255; p. 241.
Spangler, Ernest L., Chicago, Ill. Animal-trap. No. 1,275,993; Aug. 13; v. 253; p. 487.
Spangler, Fred, Midway, Wis. Mechanical movement. No. 1,252,729; Jan. 8; v. 246; p. 406.
Spangler, Frederick W., and C. W. Davis, assignors to The Mantle Lamp Company of America, Chicago, Ill. Wick-carrier. No. 1,285,445; Nov. 19; v. 256; p. 584.
Spangler, James M., Canton, assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Suction carpet-sweeper. No. 1,266,638; May 21; v. 250; p. 548.
Spangler, John H., assignor of ten-thirtieths to O. I. Kjorlien and one-fifth to G. Kleopfert, Minneapolis, Minn. Wheel. No. 1,264,988; May 7; v. 250; p. 32.
Spangler, Lloyd, Cerro Gordo, Ill. Rail-joint. No. 1,261,639; Apr. 2; v. 249; p. 184.
Spangler, Lloyd, Cerro Gordo, Ill. Combination level and inclinometer. No. 1,261,862; Apr. 9; v. 249; p. 278.
Spängler, Ludwig, Vienna, Austria. Scarf-holder. No. 1,265,542; May 7; v. 250; p. 182.
Spangler, Samuel W., Blytheville, and C. L. Klapp, Jonesboro, Ark. Film-marking camera. No. 1,259,152; Mar. 12; v. 248; p. 389.
Spanos, Ernest, New York, N. Y. Automatic sanitary toilet-seat protector. No. 1,265,272; May 7; v. 250; p. 110.
Spanovic, Ninko, Pittsburgh, Pa. Steering mechanism for three-wheeled vehicles. No. 1,283,942; Nov. 5; v. 256; p. 132.
Sparkman, William M., Toronto, Ontario, Canada. Draft-deflector for ventilating-screens of sleeping-berths. No. 1,264,704; Apr. 30; v. 249; p. 1151.
Sparks, Jonas A. (See Clark and Sparks.)
Sparks, Jonas A., and C. E. and W. M. Clark, Elk City, Kans. Brake mechanism for drying and aerating machines. No. 1,288,453; Dec. 17; v. 257; p. 624.
Sparks, Nelson. (See Hubback, Malcolm H., assignor.)
Sparks, Shelby C., Kansas City, Mo. Display-card. No. 1,268,170; June 4; v. 251; p. 29.
Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Fan. No. 1,255,346; Feb. 5; v. 247; p. 66.
Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Liquid-feeding device. No. 1,255,347; Feb. 5; v. 247; p. 87.
Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Fan. No. 1,256,941; Feb. 19; v. 247; p. 611.
Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company. Signal. No. 1,274,951; Aug. 6; v. 253; p. 173.
Sparks-Withington Company, The. (See Marsico, Jerard R., assignor.)
Sparks-Withington Company, The. (See Sparks, William, assignor.)
Sparling, Eva. (See Light, Claus H., assignor.)

Sparr, Benjamin F., Brooklyn, N. Y. Washing apparatus for dishes, &c. No. 1,281,864; Oct. 15; v. 255; p. 537.
Sparre, Fin, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Producing artificial leather. No. 1,257,756; Feb. 26; v. 247; p. 885.
Sparre, Fin, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Pyroxylin composition. No. 1,266,073; May 14; v. 250; p. 361.
Sparrow, Henry C., Clapham Junction, London, England. Crutch. No. 1,266,074; May 14; v. 250; p. 361.
Spaulding, Charles W., Clinton, Me. Toy tricycle. No. 1,276,587; Aug. 20; v. 253; p. 684.
Spaulding, Ferdinand O., Fairfield, Me. Dust-pan. No. 1,270,340; June 25; v. 251; p. 706.
Spaulding, John F., Melrose, Mass. Electric switch. No. 1,287,491; Dec. 10; v. 257; p. 356.
Spaulding, Morton M., North Adams, Mass. Brake. No. 1,268,507; June 4; v. 251; p. 124.
Spaulding, Philip H., Hinsdale, Ill. Coal-oil burner. No. 1,260,471; Mar. 26; v. 248; p. 829.
Spaulding, Roy L., Helena, Mont. Attachment for dental engines. No. 1,268,171; June 4; v. 251; p. 29.
Speakman Supply and Pipe Co. (See Fraser, James, assignor.)
Speakman Supply & Pipe Company. (See Speakman, Willard A., assignor.)
Speakman, Willard A., assignor to Speakman Supply & Pipe Company, Wilmington, Del. Waste-valve mechanism. No. 1,258,371; Mar. 5; v. 248; p. 122.
Spear, Arthur, assignor, by mesne assignments, to Archer Manufacturing Company, Chicago, Ill. Castellated nut. No. 1,283,346; Oct. 29; v. 255; p. 1006.
Spear, Furman D., assignor to Armspear Manufacturing Company, New York, N. Y., Signal-lantern. No. 1,274,098; July 30; v. 252; p. 1053.
Spear, George E., Boston, Mass., assignor to Standard Thermomotor Company, Portland, Me. Thermostat. No. 1,258,161; Mar. 5; v. 248; p. 62.
Spear, George H., North Reading, assignor, by mesne assignments, to New England Confectionery Company, Boston, Mass. Transfer mechanism. No. 1,253,640; Jan. 15; v. 246; p. 702.
Spear, Graham B. (See Spear, John G. and G. B.)
Spear, John G. and G. B., Springfield, Mass. Pump. No. 1,266,876; May 21; v. 250; p. 612.
Spear, Lawrence Y., Groton, Conn., assignor to Electric Boat Company, New York, N. Y. Hatch structure for submarines. No. 1,271,381; July 2; v. 252; p. 176.
Spear, Moncreiff H., Benton Harbor, Mich. Mutoscope. No. 1,256,604; Feb. 19; v. 247; p. 512.
Speasl, George A., assignor of three-tenths to G. Kinsel, one-tenth to H. W. Breitzman, one-tenth to W. H. Pippin, one-twentieth to C. J. Musgrove, and one-twentieth to A. J. Kinsel, Newton, Ill. Internal-combustion engine. No. 1,282,482; Oct. 22; v. 255; p. 744.
Specialty Shoe Machinery Company. (See Bragg, James, assignor.)
Speckman, Charles H., Philadelphia, Pa. Radiator-valve connection. No. 1,256,069; Feb. 12; v. 247; p. 317.
Speed, James A., and A. G. B. Ridley, San Francisco, Cal. Carbureter. No. 1,255,062; Jan. 29; v. 246; p. 1160.
Speed, James B., assignor to Western Electric Company, Incoporated, New York, N. Y. Magnet-core. No. 1,274,952; Aug. 6; v. 253; p. 174.
Speed, James H., and F. Devault, Clarkston, Wash. Bag-holder. No. 1,260,086; Mar. 19; v. 248; p. 687.
Speed Press Company, The. (See Tucker, Samuel L., assignor.)
Speegle, Emanuel A., Washington, D. C. Current water-motor. No. 1,267,928; May 28; v. 250; p. 935.
Speehr, Otto, Brooklyn, N. Y. Washing apparatus. No. 1,265,826; May 14; v. 250; p. 291.
Speer Carbon Company. (See Edgcomb, Henry R., assignor.)
Speer, Elmer E., Ballston, Va., assignor to G. Edmonston, Washington, D. C. Binding device for molds, &c. No. 1,268,061; May 28; v. 250; p. 971.
Speer, Hamilton B., Berkeley Springs, W. Va. Barrel-tapping device. No. 1,286,821; Dec. 3; v. 257; p. 152.
Speich, John, Sacramento, Cal. Twin grafting-tool. No. 1,282,132; Oct. 22; v. 255; p. 650.
Speicher, Joseph E. (See Barrick and Speicher.)
Speidel, Charles F., R. Kroedel, and W. A. Riddell, assignors to Eastman Kodak Company, Rochester, N. Y. Focusing finder for photographic cameras. No. 1,257,648; Feb. 26; v. 247; p. 853.
Speiser, Carl E. W., Green Castle, Mo. Automobile-radiator-cooling means. No. 1,278,396; Sept. 10; v. 254; p. 314.
Spellacy, Peter E. (See Slaughter and Gaertner, assignors.)
Speller, August J. (See Prestwich and Speller.)
Speller, Frank N., Pittsburgh, Pa. Apparatus for heating and deoxidizing water. No. 1,274,099; July 30; v. 252; p. 1053.
Spelling, Thomas C., New York, N. Y. Shiftable stopper. No. 1,278,244; Sept. 10; v. 254; p. 274.
Spelling, Thomas C., New York, N. Y. Non-reusable bottle and stopper. No. 1,279,602; Sept. 24; v. 254; p. 693.
Spelling, Thomas C., New York, N. Y. Spreadable stopper. No. 1,283,347; Oct. 29; v. 255; p. 1006.
Spence, Charles L., Sturgis, Mich. Manifolding-book. No. 1,270,066; June 18; v. 251; p. 605.
Spence, Fred. (See Pearce and Spence.)
Spence, Garfield A., Aldine, Tex. Oil-burner. No. 1,267,813; May 28; v. 250; p. 902.
Spence, Howard, and H. Wrigley, assignors to Company of Peter Spence & Sons Limited, Manchester, England. Titanium compounds. No. 1,255,807; Feb. 5; v. 247; p. 200.
Spence, Howard, and W. B. Llewellyn, assignors to Peter Spence & Sons, Limited, Manchester, England. Treatment of aluminous compounds. No. 1,256,605; Feb. 19; v. 247; p. 513.
Spence, Oliver V. (See Harrell and Spence.)
Spence, William H. (See Myers, Melvin A., assignor.)
Spencer, Arthur C., *et al.* (See Eckel, Edwin C., assignor.)
Spencer, Arthur C., Washington, D. C. Brick and the like and making the same. No. 1,269,331; June 11; v. 251; p. 374.
Spencer, Arthur E., Lake City, Fla. Foot-accelerator. No. 1,255,479; Feb. 5; v. 247; p. 105.
Spencer, Byron J., South Bend, Wash. Combined pincushion and detachable holder. No. 1,280,890; Oct. 8; v. 255; p. 241.
Spencer, F. W. (See Myers, Melvin A., assignor.)
Spencer, Frank E., Thornberg, Pa. Spring nut-lock. No. 1,251,832; Jan. 1; v. 246; p. 119.
Spencer, Garnet, Madison, S. C. Switch-throwing device. No. 1,254,943; Jan. 29; v. 246; p. 1128.
Spencer, Harold. (See Myers, Melvin A., assignor.)
Spencer, Ira H., West Hartford, Conn., assignor, by mesne assignments, to The Spencer Turbine Company. Rotary blower. No. 1,288,728; Dec. 24; v. 257; p. 719.
Spencer, James H., New York, N. Y. Nutcracker. No. 1,255,808; Feb. 5; v. 247; p. 200.
Spencer, John A., Long Beach, Cal. Spirit-level for aeroplanes. No. 1,264,705; Apr. 30; v. 249; p. 1151.
Spencer Lens Company. (See Ott, Harvey N., assignor.)
Spencer, Lewis P., and W. H. Wilson, New Bedford, Mass. Shuttle. No. 1,272,138; July 9; v. 252; p. 423.
Spencer, Louis M. (See Ranger and Spencer.)
Spencer, Louis R., Hartford, Conn. Antifriction-bearing. No. 1,262,124; Apr. 9; v. 249; p. 349.
Spencer, Owen H., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Stacker for silent-chain links. No. 1,256,942; Feb. 19; v. 247; p. 611.
Spencer, Owen H., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Positioner for silent-chain links. No. 1,256,943; Feb. 19; v. 247; p. 612.
Spencer, Owen H., and F. J. Oakes, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Silent-chain-assembling machine. No. 1,256,944; Feb. 19; v. 247; p. 613.
Spencer, Owen H., and F. J. Oakes, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Chain-assembling machine. No. 1,256,945; Feb. 19; v. 247; p. 613.
Spencer, Raymond M., Columbus, Ohio. Furnace. No. 1,278,778; Sept. 10; v. 254; p. 416.
Spencer, Raymond M., assignor to The Columbus Heating & Ventilating Company, Columbus, Ohio. Furnace structure. No. 1,278,777; Sept. 10; v. 254; p. 416.
Spencer, Robert P., Seattle Wash. Pipe-bending machine. No. 1,272,552; July 16; v. 252; p. 563.
Spencer, Sally M., Flagstaff, Ariz. Nose-bag. No. 1,260,087; Mar. 19; v. 248; p. 687.
Spencer, Samuel A., Oklahoma, Okla. Skylight-bar. No. 1,283,583; Nov. 5; v. 256; p. 37.
Spencer, Samuel M., Eutaw, Ala. Cross-arm bracket for telegraph-poles. No. 1,251,703; Jan. 1; v. 246; p. 78.
Spencer, Thomas, Philadelphia, Pa., assignor, by mesne assignments, to National Carbon Company, Inc., Cleveland, Ohio. Storage-battery electrode. No. 1,260,472; Mar. 26; v. 248; p. 830.
Spencer, Thomas, Philadelphia, Pa., assignor, by mesne assignments, to National Carbon Company. Process and apparatus for charging storage batteries. No. 1,285,319; Nov. 19; v. 256; p. 552.
Spencer, Thomas, Philadelphia, Pa., assignor, by mesne assignments, to National Carbon Company, Inc., Cleveland, Ohio. Inclosed-arc lamp. No. 1,287,492; Dec. 10; v. 257; p. 356.
Spencer, Thomas, Philadelphia, Pa., assignor, by mesne assignments, to National Carbon Company, Inc., Cleveland, Ohio. Flaming-arc lamp. No. 1,289,567; Dec. 31; v. 257; p. 950.
Spencer Turbine Company, The. (See Spencer, Ira H., assignor.)
Spencer, Walter J., Ivanhoe, Minn. Swingletree-hook. No. 1,256,946; Feb. 19; v. 247; p. 614.
Spencer, William L., Houston, Tex. Garment-protector. No. 1,270,982; July 2; v. 252; p. 66.
Spengler, Charles C., Rockford, assignor to Automatic Pencil Sharpener Company, Chicago, Ill. Pencil-sharpener. No. 1,280,323; Oct. 1; v. 255; p. 59.
Spengler, Charles C., Rockford, assignor to Automatic Pencil Sharpener Company, Chicago, Ill. Pencil-sharpener. No. 1,283,584; Nov. 5; v. 256; p. 38.
Spengler, Henry, New York, N. Y. Closure. No. 1,260,726; Mar. 26; v. 248; p. 906.

Spengler, Henry, New York, N. Y. Closure. No. 1,289,947; Dec. 31; v. 257; p. 1043.
Sperduti, Antonio, Sayre, Pa. Tractor-gearing. No. 1,258,489; Mar. 5; v. 248; p. 157.
Sperlich, Herman A., Highland Park, Mich. Washing-machine. No. 1,276,984; Aug. 27; v. 253; p. 826.
Sperling, Oscar, assignor to Rotary Scraper Company, Inc., New York, N. Y. Flexible-shaft connection. No. 1,279,773; Sept. 24; v. 254; p. 743.
Sperling, Oscar, New York, assignor of one-half to A. E. Andersen, Brooklyn, N. Y. Garment-hanger. No. 1,284,805; Nov. 12; v. 256; p. 382.
Sperr, Frederick W., Jr., Oakmont, assignor to H. Koppers Company, Pittsburgh, Pa. Paint and making same. No. 1,275,778; Aug. 13; v. 253; p. 437.
Sperr, Frederick W., Jr., Oakmont, and M. Darrin, Wilkinsburg, assignors to H. Koppers Company, Pittsburgh, Pa. Manufacture of resins. No. 1,263,813; Apr. 23; v. 249; p. 870.
Sperry, Albert H., and E. J. Boomer, Willmar, assignors of one-third to S. A. Siverts, Jr., Morris, Minn. Water-tank-flushing cap and coil. No. 1,260,947; Mar. 26; v. 248; p. 966.
Sperry, Arthur B. (See Williams and Sperry.)
Sperry, Arthur B., Pittsburgh, Pa. Tractor or truck. No. 1,257,416; Feb. 26; v. 247; p. 783.
Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,278,245; Sept. 10; v. 254; p. 274.
Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. No. 1,280 324; Oct. 1; v. 255; p. 59.
Sperry, Elmer A., New York, N. Y. Gearing. No. 1,257,417; Feb. 26; v. 247; p. 783.
Sperry, Elmer A., Brooklyn, N. Y. Electrode-holder for search-lights. No. 1,282,133; Oct. 22; v. 255; p. 651.
Sperry, Elmer A., Brooklyn, N. Y. Reflecting-surface for optical instruments. No. 1,283,943; Nov. 5; v. 256; p. 133.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic navigation apparatus. No. 1,255,480; Feb. 5; v. 247; p. 106.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Ship stabilizing and rolling apparatus. (Reissue.) No. 14,435; Feb. 19; v. 247; p. 720.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Speed and direction indicator for aircraft. No. 1,274,622; Aug. 6; v. 253; p. 81.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic compass. No. 1,279,471; Sept. 17; v. 254; p. 632.
Sperry Gyroscope Company. (See Schramm, William, assignor.)
Sperry Gyroscope Company, The. (See Ford and Tanner, assignors.)
Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.) (Reissue.)
Sperry Gyroscope Company. (See Tanner, Harry L., assignor.)
Sperry, Theodore A., Indianapolis, Ind., assignor to 20th Century Machinery Company. Milwaukee, Wis. Bottle washing and sterilizing machine. No. 1,285,446; Nov. 19; v. 256; p. 584.
Spery, Charles F., Chicago, Ill. Grease-cup. No. 1,251,587; Jan. 1; v. 246; p. 42.
Spery, Charles F., Chicago, Ill. Grease-cup. No. 1,252,730; Jan. 8; v. 246; p. 407.
Spicer, Russell. (See Enger, Martin A., assignor.)
Spicer, Russell. (See Werner, Phillip, assignor.)
Spicker, Frederick C. (See Stevens and Spicker.)
Spickerman, Christian, Sandwich, Ill. Door-mat. No. 1,271,094; July 2; v. 252; p. 96.
Spiegel, Alexander S., Chicago, Ill. Shingle. No. 1,251,704; Jan. 1; v. 246; p. 78.
Spiegel, Alexander S., Chicago, Ill. Apparatus for producing shingles. No. 1,260,088; Mar. 19; v. 248; p. 688.
Spiegel, Alexander S., Chicago, Ill. Composition roofing. No. 1,264,343; Apr. 30; v. 249; p. 1049.
Spiegel, Alexander S., Chicago, Ill. Autographic camera. No. 1,270,983; July 2; v. 252; p. 66.
Spiegel, Alexander S., Chicago, Ill. Roofing-machine. No. 1,274,623; Aug. 6; v. 253; p. 82.
Spiegel, Alexander S., Chicago, Ill. Expansion-joint for roads. No. 1,280,572; Oct. 1; v. 255; p. 127.
Spiegel, Arthur E., Shelbyville, Ind. Bed-rail-attaching device. No. 1,274,802; Aug. 6; v. 253; p. 131.
Spiegel, Edward, Brooklyn, N. Y. Shirt-collar. No. 1,270,067; June 18; v. 251; p. 605.
Spiegel, Joseph F., Toronto, Ontario, Canada. Fuel-burner. No. 1,271,791; July 9; v. 252; p. 322.
Spiegelberg, Harvey J., Larsen, Wis. Water-warmer for poultry. No. 1,283,585; Nov. 5; v. 256; p. 38.
Spiekerman, Ewald M., Lodi, Cal. Portable irrigating-hydrant. No. 1,263,814; Apr. 23; v. 249; p. 870.
Spielberger, Abe R., Atlanta, Ga. Fountain-comb. No. 1,256,386; Feb. 12; v. 247; p. 414.
Spielman, Adolph, Philadelphia, Pa., assignor, by mesne assignments, to Logan Trust Company of Philadelphia, trustee. Ball-bearing. No. 1,261,172; Apr. 2; v. 249; p. 51.
Spielman, Adolph, and A. P. Post, Philadelphia, Pa. System of distant control of gas ignition by mechanical means. No. 1,273,197; July 23; v. 252; p. 771.
Spielman, Maximillian H., New York, N. Y. Cigar-lighter. No. 1,272,869; July 16; v. 252; p. 656.
Spielman, Milton H., assignor to The Domestic Electrical Company, Cleveland, Ohio. Adjustable supporting member. No. 1,261,453; Apr. 2; v. 249; p. 130.
Spies, Edgar F. M., Baltimore, Md. Necktie-holder. No. 1,261,640; Apr. 2; v. 249; p. 184.
Spies, Julius P., Belleville, Ill. Package-tie. No. 1,252,624; Jan. 8; v. 246; p. 376.
Spies, Philip J., Chicago, Ill. Alarm-signal. No. 1,279,603; Sept. 24; v. 254; p. 694.
Spies, William F., New York, and H. D. Pease, Richmond Hill, assignors to L. V. Slaight, New York, N. Y. Dentifrice and making the same. No. 1,275,779; Aug. 13; v. 253; p. 427.
Spiess, Georg, Leipzig, Reudnitz, Germany. Paper-sorting machine. No. 1,277,658; Sept. 3; v. 254; p. 91.
Spiess, Jules, Buffalo, N. Y. Train-controlling mechanism. No. 1,252,047; Jan. 1; v. 246; p. 178.
Spillane, John J., assignor of one-half to Columbia River Shipbuilding Corporation, Portland, Oreg. Riveting apparatus. No. 1,281,091; Oct. 8; v. 255; p. 295.
Spiller, Mary, Carney, Mich. Loss-preventing device. No. 1,262,125; Apr. 9; v. 249; p. 349.
Spinello, Mathew, Kansas City, Mo. Scale. No. 1,285,447; Nov. 19; v. 256; p. 584.
Spinney, Albert S., Portsmouth, N. H., assignor to H. Knight, York county, Me. Combination thread-tap. No. 1,281,683; Oct. 15; v. 255; p. 487.
Spiradek, Ignac. (See Kalisz and Spiradek.)
Spirella Company, The. (See Wadsworth, Frank L. O., assignor.)
Spiridakis, Anastasios, Galveston, Tex. Spring-wheel. No. 1,281,865; Oct. 15; v. 255; p. 537.
Spitfire Gas Lighter Co. (See Leyrer and Ranscht, assignors.)
Spitz, Fannie S., Albuquerque, N. Mex. Nut shelling and separating machine. No. 1,266,075; May 14; v. 250; p. 362.
Spitz, Fannie S., Albuquerque, N. Mex. Method and apparatus for shelling nuts. No. 1,274,803; Aug. 6; v. 253; p. 131.
Spitz, John B., assignor of one-fourth to W. G. Royer and three-eighths to R. G. Royer, Elgin, Ill. Variable-speed-transmission mechanism. No. 1,270,562; June 25; v. 251; p. 767.
Spitzer, Benjamin L., New York, N. Y. Combined radiograph mount and container. No. 1,274,804; Aug. 6; v. 253; p. 132.
Spitzglass, Jacob M., Chicago, Ill. Gage. No. 1,274,101; July 30; v. 252; p. 1054.
Splitdorf Electrical Company. (See Broegger, Ivar W., assignor.)
Splitdorf Electrical Company. (See Brown, William J., assignor.)
Splitdorf Electrical Company. (See Cotterman, Frederick W., assignor.)
Splitdorf Electrical Company. (See De Lorme, Alfred C., assignor.)
Splitdorf Electrical Company. (See Dean, William W., assignor.)
Splitdorf Electrical Company. (See Erickson, Albert, assignor.)
Splitdorf Electrical Company. (See Geist, Harry F., assignor.)
Splitdorf Electrical Company. (See Hart, William J., assignor.)
Splitdorf Electrical Company. (See Lang, George L., assignor.)
Splitdorf Electrical Company. (See Libby, Albion D. T., assignor.)
Splitdorf Electrical Company. (See Libby and Tomlinson, assignors.)
Splitdorf Electrical Company. (See Mason, Carl T., assignor.)
Splitdorf Electrical Company. (See Mason, Charles T., assignor.)
Splitdorf Electrical Company. (See McKeown, Samuel C., assignor.)
Splitdorf Electrical Company. (See Moore, Edward, assignor.)
Splitdorf Electrical Company. (See Perrin, Frederic S., assignor.)
Splitdorf Electrical Company. (See Richards, Julius H., assignor.)
Splitdorf Electrical Company. (See Sullivan, Maurice P., assignor.)
Splitdorf Electrical Company. (See Tomlinson, Edward J., assignor.)
Splitdorf Electrical Company. (See Van Deventer, Harry R., assignor.)
Splitdorf Electrical Company. (See Warren, Robert M., assignor.)
Splitdorf Electrical Company. (See Werner, Leo J., assignor.)
Splitdorf Electrical Company. (See Wilson, James M., assignor.)
Splittstoser, Ernest W., North Branch, Minn. Potato-digger. No. 1,256,182; Feb. 12; v. 247; p. 353.

Spohrer, Gregory J., East Orange, assignor of one-half to C. E. Van Vleck, Montclair, N. J. Internal-combustion engine. No. 1,289,058; Dec. 24; v. 257; p. 798.
Spokane Concrete Flower Pot Machine Co. (See Bewley, Claude G., assignor.)
Sponsel, Charles W., assignor to The Sponsel Company, Hartford, Conn. Universal joint. No. 1,287,778; Dec. 17; v. 257; p. 459.
Sponsel Company, The. (See Sponsel, Charles W., assignor.)
Spooner, Guss F., Chicago, Ill. Screen. No. 1,285,448; Nov. 19; v. 256; p. 584.
Spooner, William P., Rathwell, Manitoba, Canada. Detachable tire-tread. No. 1,258,490; Mar. 5; v. 248; p. 157.
Spoor, Cora J., and P. A. Trautman, Des Moines, Iowa. Educational device. No. 1,270,668; June 25; v. 251; p. 795.
Spotswood, Frank D., Lexington, Ky. Mouth-mask. No. 1,265,129; May 7; v. 250; p. 72.
Spotswood, Frank D., Lexington, Ky. Game device. No. 1,272,553; July 16; v. 252; p. 563.
Sprado, Carl G., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas-engine. No. 1,279,774; Sept. 24; v. 254; p. 743.
Sprado, Carl G., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Internal-combustion engine. No. 1,279,775; Sept. 24; v. 254; p. 744.
Sprafka, A. N. (See Klamer, John, assignor.)
Sprague Canning Machinery Co. (See Lowe, Harry W., assignor.)
Sprague Canning Machinery Company. (See Hood, Harry H., assignor.)
Sprague, Charles R., Blanchard, Iowa. Center-delivery hay-rake. No. 1,288,249; Dec. 17; v. 257; p. 576.
Sprague, Edward, Jr., Oak Park, assignor of one-third to A. W. Laramie and one-third to C. R. Wood, Chicago, Ill. Toy aeroplane. No. 1,267,135; May 21; v. 250; p. 687.
Sprague, Frank N., Sedgwick, Colo. Adjustable shackle-supporting clip for vehicle-springs. No. 1,265,825; May 14; v. 250; p. 291.
Sprague, Frederick H., Orange, Mass. Garment. No. 1,261,863; Apr. 9; v. 249; p. 278.
Sprague, Theodore A., *et al.* (See Watkins, Thomas C., assignor.)
Spranger, Anthony J., Detroit, Mich. Hub construction. No. 1,287,493; Dec. 10; v. 257; p. 356.
Spranger, Ernest, New York, N. Y. Detachable pocket. No. 1,255,481; Feb. 5; v. 247; p. 106.
Spranger, Frank and N. M., Detroit, Mich. Demountable rim. No. 1,276,985; Aug. 27; v. 253; p. 826.
Spranger, Nicholas M. (See Spranger, Frank and N. M.)
Spray Engineering Company. (See Parker, Lee H., assignor.)
Spray Engineering Company. (See Santos, Anthony S., assignor.)
Spray Primer Company. (See Kilgore, Frederick O., assignor.)
Spreen, Orville J., St. Louis, Mo. Shoe-fastener. No. 1,270,341; June 25; v. 251; p. 706.
Sprenger, Walther, Lynn, Mass. Differential gearing for motor-vehicles. No. 1,276,432; Aug. 20; v. 253; p. 641.
Sprengnether, William F., St. Louis, Mo. Tread-band for pneumatic tires. No. 1,271,957; July 9; v. 252; p. 369.
Sprengstoff A.-G. Carbonit. (See Jahn, Carl R., assignor.)
Spring Valley Wood Products Corporation. (See Ek, Emil, assignor.)
Spring Valley Wood Products Corporation. (See Goldfield, Abraham T., assignor.)
Springborn, Richard, Cleveland, Ohio. Cushioning device. No. 1,278,246; Sept. 10; v. 254; p. 274.
Springer, Ernest C., assignor of one-half to V. A. Kemper, Kansas City, Mo. Lawn-mower sharpener. No. 1,285,825; Nov. 26; v. 256; p. 720.
Springer, Ernest R., Boston, assignor of one-half to H. E. Whiting, Cambridge, Mass. Method and apparatus for erecting concrete structures. No. 1,279,472; Sept. 17; v. 254; p. 633.
Springer, Frederick R., Chicago, Ill. Figure toy. No. 1,287,779; Dec. 17; v. 257; p. 459.
Springer, Heinrich H., Copenhagen, Denmark. Tightening apparatus for molding-boxes. No. 1,269,332; June 11; v. 251; p. 374.
Springer, John, Batavia, N. Y. Pneumatic clutch. No. 1,275,316; Aug. 13; v. 253; p. 299.
Springer, Seymour N., Warren township, Marion county, Ind. Baling-wire tier. No. 1,278,051; Sept. 3; v. 254; p. 196.
Springer, William N., Peoria, Ill., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,266,877; May 21; v. 250; p. 613.
Springer, Wilson R., Oskaloosa, Iowa. Spring-steel band. No. 1,278,779; Sept. 10; v. 254; p. 417.
Springfield Body Corporation of New York. (See Drum, Charles E., assignor.)
Springfield Body Corporation of New York. (See Fry, Walter L., assignor.)
Springfield Body Corporation of New York. (See Maise, Herman C., assignor.)
Springfield Metallic Casket Company, The. (See Burkhardt, Jacob R., assignor.)
Springmeyer, Pattberg & Co. (See Nickel, Fredrick, assignor.)
Springsteen, Charles W. (See Stine, George R., assignor.)
Sprinkle, John W., Philadelphia, Pa. Resonating attachment for soundboards. No. 1,258,491; Mar. 5; v. 248; p. 157.
Sprott, Julius A., Greenwood, S. C. Plow-gage. No. 1,279,031; Sept. 17; v. 254; p. 515.
Sproul, Andrew F., Oakland, Cal. Secondary fuse-block. No. 1,262,861; Apr. 16; v. 249; p. 586.
Sproul, James B., and B. B. Barclay, Piedmont, Ohio. Nut and bolt lock for rail-joints. No. 1,252,963; Jan. 8; v. 246; p. 473.
Sproull, George F., Memphis, Tenn. Machine for exterminating boll-weevil. No. 1,285,826; Nov. 26; v. 256; p. 720.
Sprouse, James L., assignor of one-half to N. L. Hundley, Comanche, Okla. Automobile attachment. No. 1,267,136; May 21; v. 250; p. 687.
Sprouse, Robert L., Fireco, W. Va. Self-clamping rail-hook. No. 1,261,641; Apr. 2; v. 249; p. 184.
Sprout, Waldron & Company. (See Winegardner, Lloyd C., assignor.)
Sprung, Abraham, New York, N. Y., assignor of one-half to R. T. Binder, Orange, N. J. Infant's chair. No. 1,286,822; Dec. 3; v. 257; p. 152.
Spry, Jesse B., Coinjock, N. C. Harvester. No. 1,267,138; May 21; v. 250; p. 688.
Spurr, Basil L., and F. A. Tittemore, Richmond, Cal. Refillable fuse. No. 1,257,418; Feb. 26; v. 247; p. 784.
Spurr, Charles W., Jr., Roxbury, Mass. Hot appliance. No. 1,254,443; Jan. 22; v. 246; p. 951.
Spurr, Edgar A., Euclid, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,275,780; Aug. 13; v. 253; p. 427.
Spurr, Frank. (See Cleathero, Thomas H., assignor.)
Spurrier, John R., Bethlehem, Pa., assignor to Roller-Smith Company. Electric switch. No. 1,275,098; Aug. 6; v. 253; p. 214.
Squeglia, Vincenzo, New Haven, Conn. Night-light. No. 1,259,921; Mar. 19; v. 248; p. 639.
Squibb, Lloyd Y. (See Burton, Moyer, and Squibb.)
Squier, George O. (See Cohen, Louis, assignor.)
Squier, George O., U. S. Army, and L. W. Austin and L. Cohen, Washington, D. C. Electric signaling. No. 1,281,684; Oct. 15; v. 255; p. 487.
Squire, John G., Newcastle-upon-Tyne, England. Furnace for calcining copper and like ores. No. 1,262,126; Apr. 9; v. 249; p. 349.
Squires, Frederick, Marietta, assignor to W. Squires, Zanesville, Ohio. Recovery of oil from oil-sands. No. 1,263,618; Apr. 23; v. 249; p. 818.
Squires, Madison B., Walton, N. Y. Hen-roost. No. 1,255,655; Feb. 5; v. 247; p. 157.
Squires, Walter. (See Squires, Frederick, assignor.)
Srakula, Joseph, Lugerville, Wis. Interchangeable wheel for vehicles. No. 1,274,102; July 30; v. 252; p. 1054.
Sramcik, Vendel, Senecaville, Ohio. Pneumatic attachment for rocking-chairs. No. 1,267,814; May 28; v. 250; p. 902.
Sroke, Mike, Lackawanna, N. Y. Wire-cutting bayonet for firearms. No. 1,269,126; June 11; v. 251; p. 316.
Sroufe, Adrian H. (See Simpson, Leo L., assignor.)
St. Armande, Arthur V., Paisley, Scotland. Multi-cell electric battery. No. 1,277,147; Aug. 27; v. 253; p. 871.
St. Clair, Clyde L., Oregon City, Oreg., and J. H. Hoffman, Dansville, N. Y. Evacuator for cylindrical driers. No. 1,258,055; Mar. 5; v. 248; p. 31.
St. Clair, John C., Johnstown, Pa. Wire-annealing furnace. No. 1,269,973; June 18; v. 251; p. 580.
St. Clair, William R., deceased; L. S. McBride, administratrix, Nashville, Tenn. Piano-action. No. 1,277,660; Sept. 3; v. 254; p. 92.
St. Germain, Don A., assignor to M. Scheuer & Bro., New York, N. Y. Sleeping-eyes mounting for dolls. No. 1,276,590; Aug. 20; v. 253; p. 684.
St. James, Alfred, Brooklyn, N. Y. Spark-plug. No. 1,258,269; Mar. 5; v. 248; p. 93.
St. John, Ancel, Worcester, Mass., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air-brake-controlling apparatus. No. 1,256,607; Feb. 19; v. 247; p. 513.
St. John, James A., Niles, Ohio. Openwork stable-floor. No. 1,259,802; Mar. 19; v. 248; p. 603.
St. John, William, New York, N. Y. Composition of matter. No. 1,268,404; June 4; v. 251; p. 96.
St. Leon, Lillian, New York, N. Y. Negligée gown. No. 1,258,376; Mar. 5; v. 248; p. 123.
St. Louis Car Company. (See Keil, Lewis E., assignor.)
St. Louis Smelting and Refining Company. (See Moses, Asheleigh S., assignor.)
St. Louis Washing Machine Company. (See Pfeiffer, Otto G., assignor.)
St. Louis Washing Machine Company. (See Schuette and Kintzele, assignors.)
St. Louis Welding & Manufacturing Company. (See Wirth, William M., assignor.)
St. Pierre, Octave J., Chauvin, Alberta, Canada. Sink-trap. No. 1,284,944; Nov. 12; v. 256; p. 418.
Staack, Otto E., Port Townsend, Wash. Lock. No. 1,285,827; Nov. 26; v. 256; p. 720.

Staaff, Charles, and J. G. Janson, Convent, N. J. Garden-tool handle. No. 1,262,862; Apr. 16; v. 249; p. 586.
Staats, George, Brooklyn, N. Y. Automatic valve for flush-tanks. No. 1,262,710; Apr. 16; v. 249; p. 533.
Stach, Howard J., assignor to National Machine Company, Hartford, Conn. Guard for platen-presses or the like. No. 1,258,372; Mar. 5; v. 248; p. 122.
Stachura, George, assignor of one-half to J. Stachura, Otthon, Saskatchewan, Canada. Rain-water alarm. No. 1,257,038; Feb. 19; v. 247; p. 640.
Stachura, Johan, St. Paul, Minn. Insect-trap. No. 1,287,494; Dec. 10; v. 257; p. 357.
Stachura, John. (See Stachura, George, assignor.)
Stack, George E., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,282,017; Oct. 15; v. 255; p. 575.
Stack, James R., Duluth, Minn. Emergency repair-link for antiskid-chains. No. 1,265,543; May 7; v. 250; p. 183.
Stacker, Ernest C., assignor of one-half to A. Chambley, Philadelphia, Pa. Air-brush. No. 1,268,403; June 4; v. 251; p. 95.
Stackpole, Charles F., Lynn, Mass. Edge-burnishing machine. No. 1,288,250; Dec. 17; v. 257; p. 576.
Stackpole, Elizabeth, administratrix. (See Stackpole, Ralph D.)
Stackpole, Francis M., Worthington, W. Va. Line-level and square. No. 1,279,776; Sept. 24; v. 254; p. 744.
Stackpole, Ralph D., deceased; E. Stackpole, administratrix, Canton, assignor of one-half to C. G. Mohrle, Youngstown, Ohio. Tabulator for type-writers. No. 1,283,586; Nov. 5; v. 256; p. 38.
Stacy, Charlis H. B., Foxboro, Mass. Figure wheeled toy. No. 1,270,456; June 25; v. 251; p. 737.
Stadel, John M., assignor of one-half to J. Cunningham, one-eighth to P. P. Conway, and one-eighth to P. P. Conway, Philadelphia, Pa. Machine for separating ores. No. 1,286,136; Nov. 26; v. 256; p. 794.
Stadelman, Joseph G., Chicago, Ill. Building. No. 1,261,173; Apr. 2; v. 249; p. 51.
Stadelman, Joseph G., Chicago, Ill. Roof-truss construction. No. 1,277,766; Sept. 3; v. 254; p. 122.
Stadtler, Mathias, San Jose, Cal. Upholstery-spring mounting. No. 1,254,285; Jan. 22; v. 246; p. 907.
Staempfli, Joseph. (See Tinder, Staempfli, and Miles.)
Staffeldt, William A., Reading, Mich. Fountain-pen. No. 1,283,944; Nov. 5; v. 256; p. 133.
Stafford, Alfred E., assignor to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. No. 1,283,587; Nov. 5; v. 256; p. 38.
Stafford, Benjamin E. D. (See Flannery, Stafford, and Dodds.)
Stafford, Benjamin E. D. (See Lacerda and Stafford.)
Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt connection for boilers. No. 1,264,569; Apr. 30; v. 249; p. 1114.
Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt connection for boilers. No. 1,264,570; Apr. 30; v. 249; p. 1114.
Stafford, Benjamin E. D., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,252,307; Jan. 1; v. 246; p. 250.
Stafford, Benjamin E. D., and E. I. Dodds, assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,252,308; Jan. 1; v. 246; p. 250.
Stafford, Benjamin E. D., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,252,309; Jan. 1; v. 246; p. 250.
Stafford, Benjamin E. D., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,252,310; Jan. 1; v. 246; p. 251.
Stafford, Charles M., Minneapolis, Minn. Silo. No. 1,261,454; Apr. 2; v. 249; p. 131.
Stafford, Charles M., Minneapolis, Minn. Silo-door. No. 1,261,864; Apr. 9; v. 249; p. 279.
Stafford, Clarence B., San Francisco, Cal. Cleaner for fuse-contacts. No. 1,252,964; Jan. 8; v. 246; p. 474.
Stafford Company, The. (See Jackson, Simeon S., assignor.)
Stafford, Hal R. (See Prescott and Stafford.)
Stafford, Lac F., assignor to Fairbanks, Schock and Company, Minneapolis, Minn. Shell-plug. No. 1,269,875; June 18; v. 251; p. 556.
Stafford, Tad, Geneva, N. Y. Putty-knife. No. 1,277,767; Sept. 3; v. 254; p. 122.
Stafford, Walter K., Newton, Mass. Nut-lock. No. 1,269,972; June 18; v. 251; p. 580.
Stage, Ola G., Three Rivers, Quebec, Canada. Treating cellulose-containing materials and recovering substances used therein. No. 1,279,604; Sept. 24; v. 254; p. 694.
Stagl, Joseph E., Brooklyn, N. Y. Belt shifter and rest. No. 1,284,941; Nov. 12; v. 256; p. 418.
Stahl, Frederick A., New York, N. Y. Toy. No. 1,281,866; Oct. 15; v. 255; p. 538.
Stahl, Samuel S., Kansas City, Kans. Automobile-locking device. No. 1,262,127; Apr. 9; v. 249; p. 350.
Stahle, Axel A. T., Chicago, Ill. Hair-cutting tool. No. 1,286,823; Dec. 3; v. 257; p. 152.
Stählnäcke, Karl A., Österås, Bergvik, Sweden. Conveyer for logs and the like. No. 1,284,806; Nov. 12; v. 256; p. 382.
Stainbrook, Dallas W., and R. H. Winter, Caldwell, Idaho. Combination implement. No. 1,276,433; Aug. 20; v. 253; p. 641.
Staines, Guy G., Albion, N. Y., assignor to M. O. Staines, Toronto, Canada. Adjustable horse. No. 1,271,095; July 2; v. 252; p. 96.
Staines, Myrtle O. (See Staines, Guy G., assignor.)
Stainkamp, Francis A., assignor of one-half to R. Diehl, New York, N. Y. Designograph. No. 1,254,003; Jan. 15; v. 246; p. 805.
Stair, Oscar H., Flatonia, Tex. Spindle-lubricator. No. 1,252,191; Jan. 1; v. 246; p. 218.
Stake, Herman. (See Cranston, Walter C., assignor.)
Stake, Herman. (See Ekvall and Stake.)
Stake, Herman, Worcester, Mass. Automatic feed mechanism for labeling-machines. No. 1,266,172; May 14; v. 250; p. 390.
Stake, Herman, assignor to Economic Machinery Company, Worcester, Mass. Means for wiping seal-strips upon bottles. No. 1,253,995; Jan. 15; v. 246; p. 803.
Stake, Herman, assignor to Economic Machinery Company, Worcester, Mass. Turnstile mechanism for bottles and similar containers. No. 1,256,070; Feb. 12; v. 247; p. 318
Stake, Herman, and A. P. Ekvall, assignors to Economic Machinery Company, Worcester, Mass. Escapement and feed mechanism for bottles or the like. No. 1,258,623; Mar. 5; v. 248; p. 198.
Stalberg, Dora. (See Evslin, Leo E., assignor.)
Staley, Homer C., Hayward, assignor to Hunt Brothers Company, San Francisco, Cal. Curing olives. No. 1,265,130; May 7; v. 250; p. 72.
Staley, Joseph H., Knightstown, Ind. Workman's stand for gas-engines. No. 1,283,588; Nov. 5; v. 256; p. 39.
Staley, Joseph H., Knightstown, Ind. Foot-rest. No. 1,288,251; Dec. 17; v. 257; p. 576.
Staley, Ora, Indianapolis, Ind. Portable vulcanizer. No. 1,254,166; Jan. 22; v. 246; p. 872.
Staley, William A., Des Moines, Iowa, assignor of one-half to A. T. Schrader, Jr., St. Louis, Mo. Carrier for envelops to be addressed. No. 1,288,252; Dec. 17; v. 257; p. 577.
Staley, William O., Houston, assignor of forty-five one-hundredths to H. R. Decker and ten one-hundredths to F. P. Risdon, Harris county, Tex. Protector for paper-rolls. No. 1,267,815; May 28; v. 250; p. 903.
Stalker, Carlton H., Ann Arbor, assignor of one-half to C. J. Hall, trustee, Grand Rapids, Mich. Furnace-regulator. No. 1,267,601; May 28; v. 250; p. 842.
Stalker, Frederick W. (See Norwood and Stalker.)
Stall & Dean Manufacturing Company. (See Stall, Walter T., assignor.)
Stall, Walter T., assignor to Stall & Dean Manufacturing Company, Brockton, Mass. Knee cap or cover. No. 1,258,052; Mar. 5; v. 248; p. 30.
Stallings, Alfred S., Atlanta, Ga. Display-cabinet. No. 1,261,455; Apr. 2; v. 249; p. 131.
Stallman, Granville H., Chicago, Ill. Hog-scraping machine. No. 1,273,198; July 23; v. 252; p. 771.
Stallworth, William W., Gordo, Ala. Helmet for life-preservers and the like. No. 1,264,706; Apr. 30; v. 249; p. 1151.
Stamatis, Constantinos J., Philadelphia, Pa. Calipers. No. 1,286,824; Dec. 3; v. 257; p. 152.
Stamey, Fornio, Payette, Idaho. Spark-arrester. No. 1,288,729; Dec. 24; v. 257; p. 720.
Stamm, August, New York, N. Y. Fastening device. No. 1,255,240; Feb. 5; v. 247; p. 36.
Stamm, Fredrick A., Grand Rapids, Mich. Carrier for fruit-jars. No. 1,251,588; Jan. 1; v. 246; p. 43.
Stamp, Clarence E. (See Beers and Stamp.)
Stamp, Harley, Philadelphia, Pa. Supporting device. No. 1,273,550; July 23; v. 252; p. 864.
Stamp, Hugo O., Milwaukee, Wis. Loading-machine for concrete-mixers and the like. No. 1,265,131; May 7; v. 250; p. 73.
Stampa, Guiseppe. (See Borghesani and Stampa.)
Stampen, Jacob, Chicago, Ill. Automatic stress-relieving friction-pulley or power-transmission mechanism. No. 1,256,947; Feb. 19; v. 247; p. 614.
Stampka, Paul, assignor of one-tenth to O. Dutcher, one-twentieth to W. P. O'Connor, and one-twentieth to A. L. Anderson, Nampa, Idaho. Priming device for gasolene-engines. No. 1,267,007; May 21; v. 250; p. 651.
Stampley, Henry E., Sibley, La. Rail-joint. No. 1,283,945; Nov. 5; v. 256; p. 133.
Stampley, Henry E., Sibley, La. Drinking-dipper. No. 1,289,568; Dec. 31; v. 257; p. 950.
Stanard, Ora A., assignor to Upton Machine Company, St. Joseph, Mich. Pop-gun. No. 1,287,780; Dec. 17; v. 257; p. 460.
Stanbon, Harry R., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding and punching machine. No. 1,285,449; Nov. 19; v. 256; p. 585.
Stancliffe, Cecil W., Toronto, Ontario, Canada, assignor to M. A. Fesler, Oakland, Cal. Indicator. No. 1,268,292; June 4; v. 251; p. 63.
Standard Automatic Machine Company. (See Ravert, William I., assignor.)
Standard Ball Player Corporation. (See Ashley, William G., assignor.)

Standard Car Truck Company. (See Webb, Edwin W., assignor.)
Standard Car Truck Company. (See Webb and Thalheimer, assignors.)
Standard Cement Construction Company. (See Davis, James B., assignor.)
Standard Comb Company, The. (See Rich, Frank K., assignor.)
Standard Compress and Warehouse Corporation. (See Luce, Charles J., assignor.)
Standard Compress and Warehouse Corporation. (See Nesbitt, William D., assignor.)
Standard Cotton Company of America. (See Patterson, James C., assignor.)
Standard Knitting Mills Company. (See Huels, Robert, assignor.)
Standard Knitting Mills Company. (See Janes, Ralph R., assignor.)
Standard Machine Company. (See Houseman, Harold E., assignor.)
Standard Manufacturing Company. (See Voorhees, Walter K., assignor.)
Standard Metal Manufacturing Company. (See Selah, Howard A., assignor.)
Standard Mirror Co. (See La Hodny and Kibitz, assignors.)
Standard Motor Construction Company. (See Riotte, Eugene A., assignor.)
Standard Oil Company. (See Black, John C., assignor.)
Standard Oil Company. (See Folger, Edward P., assignor.)
Standard Oil Company. (See Humphreys, Robert E., assignor.)
Standard Oil Company. (See Husted, Clifford M., assignor.)
Standard Oil Company. (See Mann and Chappell, assignors.)
Standard Oil Company. (See Morrow, Horace G., assignor.)
Standard Oil Company of New York. (See Ellis, Clifford A., assignor.)
Standard Oil Company of New York. (See Hawkins, Charles H., assignor.)
Standard Oil Company of New York. (See Smart, Henry C., assignor.)
Standard Optical Company, The. (See Long, Eli M., assignor.)
Standard Paper Bag Company. (See Sullivan, James M., assignor.)
Standard Parts Company, The. (See Bryant, Richard S., assignor.)
Standard Parts Company, The. (See Clapper, Joseph B., assignor.)
Standard Parts Company, The. (See Fay, Thomas J., assignor.)
Standard Parts Company, The. (See Girl and Fay, assignors.)
Standard Parts Company, The. (See Gressle, Charles W., assignor.)
Standard Parts Company, The. (See Kritz, Frank, assignor.)
Standard Parts Company, The. (See Manternach, John C., assignor.)
Standard Parts Company, The. (See McIntyre, Michael M., assignor.)
Standard Parts Company, The. (See Newsom, Horace H., assignor.)
Standard Parts Company, The. (See Palmer, Arthur E., assignor.)
Standard Parts Company, The. (See Sessions, Frank L., assignor.)
Standard Parts Company, The. (See Theberath, Joseph C., assignor.)
Standard Parts Company, The. (See Tibbott, Charles, assignor.)
Standard Parts Company, The. (See Utz, John G., assignor.)
Standard Plunger Elevator Company. (See Dunn, Edward L., assignor.)
Standard Pneumatic Action Co. (See Le Cato, John A., assignor.)
Standard Pressed Steel Co. (See Gade, Harald F., assignor.)
Standard Register Company, The. (See Schirmer, Theodore F., assignor.)
Standard Register Company, The. (See Sherman and Euchenhofer, assignors.)
Standard Sanitary Manufacturing Co. (See Bale, Damon, assignor.)
Standard Sanitary Manufacturing Company. (See Frankenberger and Gillette, assignors.)
Standard Sanitary Manufacturing Company. (See McKinney, William C., assignor.)
Standard Scale & Supply Company, The. (See Svenson, John A. F., assignor.)
Standard Sewing Machine Company, The. (See Nelson, George W., assignor.)
Standard Steel Car Company. (See Christianson, Andrew, assignor.)
Standard Stove & Light Company. (See Ferguson, Thomas B., assignor.)
Standard Thermometer Company. (See Spear, George E., assignor.)
Standard Tobacco Stemmer Company. (See Lawrence, Leo W., assignor.)
Standard Tube & Fence Co. (See Hosack, James L., assignor.)
Standard Underground Cable Company. (See Fisher, Henry W., assignor.)
Standard Welding Company, The. (See Bryant, Richard S., assignor.)
Standard Woven Fabric Company. (See Gleason, Frederick J., assignor.)
Standard Woven Fabric Company. (See Waite, Edwin E., assignor.)
Standardized Housing Corporation. (See Atterbury, Grosvenor, assignor.)
Standeford, Archie D., Kansas City, Mo. Continuous feed for arc-lamps. No. 1,289,294; Dec. 31; v. 257; p. 882.
Standeven, Thomas A., Baltimore, Md. Compartment-box for smokers. No. 1,264,344; Apr. 30; v. 249; p. 1049.
Standish, John F., Winthrop, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-holding means for shoe-machines. No. 1,259,796; Mar. 19; v. 248; p. 601.
Standish, John F., Winthrop, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on heels. No. 1,269,654; June 18; v. 251; p. 493.
Standish, John F., Winthrop, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Blank-holder. No. 1,271,792; July 9; v. 252; p. 322.
Standish, John F., Winthrop, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on heels. No. 1,275,490; Aug. 13; v. 253; p. 346.
Standish, John F., Winthrop, Mass., assignor, by mesne assignments, to United Stoe Machinery Corporation of Paterson, N. J. Heel-attaching machine. No. 1,281,685; Oct. 15; v. 255; p. 487.
Standish, John F., Winthrop, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heeling shoes. No. 1,288,253; Dec. 17; v. 257; p. 577.
Standish, Leo V., assignor of one-half to W. C. Atkins, Gardiner, Me. Automobile-heater. No. 1,287,495; Dec. 10; v. 257; p. 357.
Standish, Richard S., assignor to Pilgrim Fireproof Safe Deposit Box Company, St. Louis, Mo. Fireproof box. No. 1,259,153; Mar. 12; v. 248; p. 389.
Standish, William H., Reeds Spring, Mo. Dam and tunnel. No. 1,280,573; Oct. 1; v. 255; p. 127.
Standley, Earnest L., Rush, Ark. Concentrating-table. No. 1,273,946; July 30; v. 252; p. 1011.
Standley, William E., and T. B. Campbell, Pittsburgh, assignors to Window Glass Rotary Pot Company. Glass drawing and blowing apparatus. No. 1,285,450; Nov. 19; v. 256; p. 585.
Stanek, Dominek G., Ekalaka, Mont. Pump. No. 1,287,496; Dec. 10; v. 257; p. 357.
Stanek, Dominek G., Ekalaka, assignor of one-half to B. B. Gross and W. R. Gross, Sykes, Mont. Nut-lock. No. 1,277,146; Aug. 27; v. 253; p. 871.
Stanfield, Jasper H., Muskegon, assignor to V. B. Cutler, Grand Rapids, Mich. Optic or photographic instrument. No. 1,288,730; Dec. 24; v. 257; p. 720.
Stanfield, Wright, assignor of one-fourth to J. J. Davis, Apison, Tenn. Truck. No. 1,259,154; Mar. 12; v. 248; p. 389.
Stanford, Arthur L., Chicago, Ill. Rail-anchor. No. 1,267,602; May 28; v. 250; p. 842.
Stanford, Charles D., Bangor, Me. Automobile-seat attachment. No. 1,252,192; Jan. 1; v. 246; p. 218.
Stanford, David, New York, N. Y. Refrigerator attachment. No. 1,288,731; Dec. 24; v. 257; p. 720.
Stanford, Frank C., assignor of one-half to G. C. Brett, Chicago, Ill. Steam-trap. No. 1,263,479; Apr. 23; v. 249; p. 781.
Stanford, Frank C., assignor of one-half to G. C. Brett, Chicago, Ill. Steam-trap. No. 1,263,480; Apr. 23; v. 249; p. 781.
Stanford, William. (See Hindley and Stanford.)
Stange, Walter J., and L. M. Bannan, assignors of one-third to R. L. Stone, San Francisco, Cal. Motion-picture apparatus. No. 1,261,865; Apr. 9; v. 249; p. 279.
Stanger, Nathan, Malden, Mass. Bail-guard. No. 1,268,775; June 4; v. 251; p. 199.
Stanhope, William P., assignor to The Baldwin Company, Cincinnati, Ohio. Valve-facing. No. 1,260,248; Mar. 19; v. 248; p. 732.
Stanislawski, Frank and P. J., Galesville, Wis. Fan. No. 1,254,444; Jan. 22; v. 246; p. 951.
Stanislawski, Joseph, Hammond, Ind. Wire-cutting attachment for bayonets. No. 1,268,172; June 4; v. 251; p. 29.
Stanislawski, Peter J. (See Stanislawski, Frank and P. J.)
Stankewicz, Taduesz, Carteret, N. J. Wire-cutter. No. 1,273,287; July 23; v. 252; p. 795.

Stankiewicz, Boleslaw, *et al.* (See Kasprzycki, Stanley, assignor.)
Stanley, Claude, *et al.* (See Ahlgren, John M., assignor.)
Stanley, Dennis F., Bozeman, Mont. Tabulating device. No. 1,270,892; July 2; v. 252; p. 39.
Stanley, Edgar A., Youngstown, Ohio. Form for wall construction. No. 1,272,139; July 9; v. 252; p. 423.
Stanley, Elliott M., Chugwater, Wyo. Camera. No. 1,263,619; Apr. 23; v. 249; p. 818.
Stanley, Frank G., Jamaica, N. Y. Burial-crypt. No. 1,288,254; Dec. 17; v. 257; p. 577.
Stanley, George E., Coventry, England. Driving mechanism of motor-cycles and the like. No. 1,251,933; Jan. 1; v. 246; p. 145.
Stanley, George E., Coventry, England. Clutch mechanism. No. 1,254,372; Jan. 22; v. 246; p. 931.
Stanley, George E., Coventry, England. Change-speed gear. No. 1,274,463; Aug. 6; v. 253; p. 35.
Stanley, George E., Whitman, Mass. Automatic train-pipe coupling. No. 1,282,134; Oct. 22; v. 255; p. 651.
Stanley, Herman L., Derby, Conn. Trolley. No. 1,283,946; Nov. 5; v. 256; p. 133.
Stanley, John, Seattle, Wash. Vehicle-wheel. No. 1,261,866; Apr. 9; v. 249; p. 279.
Stanley, John, assignor of one-fourth to P. Barnes, Seattle, Wash. Automobile-lock. No. 1,257,039; Feb. 19; v. 247; p. 641.
Stanley, Robert W., Cleveland, Ohio, assignor to Entz Motor Car Corporation. Brush-holder. No. 1,268,293; June 4; v. 251; p. 63.
Stanley, Robert W., Cleveland, Ohio, assignor to Entz Motor Patents Corporation. Brush-holder. No. 1,271,793; July 9; v. 252; p. 322.
Stanley, Robert W., Cleveland, Ohio, assignor to Entz Motor Car Corporation. Electric controller. No. 1,289,059; Dec. 24; v. 257; p. 799.
Stanley Rule & Level Company, The. (See Parker, Harry E., assignor.)
Stanley, Shirley Q., Chicago, Ill. Mud-guard for motor-vehicle wheels. No. 1,254,944; Jan. 29; v. 246; p. 1129.
Stanley, Virl E. (See Stephenson and Stanley.)
Stanley, Walter C., Willoughby, Vt. Automatic gas control. No. 1,282,135; Oct. 22; v. 255; p. 651.
Stanley Works, The. (See Bagot, William J., assignor.)
Stanley Works, The. (See Doolittle, Howard C., assignor.)
Stanley Works, The. (See Holtzhouser, Jacob P., assignor.)
Stanley Works, The. (See Prindle, Frank P., assignor.)
Stanley Works, The. (See Rowland, William S., assignor.)
Stannard, J. H. (See Currivan, John F., assignor.)
Stannard, S. Grant, Long Beach, Cal. Automobile-tire-saving device. No. 1,252,625; Jan. 8; v. 246; p. 377.
Stanowsky, Alexander, Rotterdam, Netherlands. Method and apparatus for casting metal. No. 1,273,418; July 23; v. 252; p. 829.
Stansbery, Warren H., Grand Haven, Mich. Double-ended crochet-hook and shield. No. 1,269,014; June 11; v. 251; p. 285.
Stansbury, Fred F., Deer Lodge, Mont. Combination mirror and stand. No. 1,263,955; Apr. 23; v. 249; p. 910.
Stansbury, Joseph A., Los Angeles, Cal. Crutch. No. 1,267,008; May 21; v. 250; p. 651.
Stansel, Edna I., Ousley, Ga. Combination piano-stool and music-cabinet. No. 1,280,891; Oct. 8; v. 255; p. 241.
Stansell, Guy E., Seattle, Wash. Automatic film-feed for cameras. No. 1,254,373; Jan. 22; v. 246; p. 932.
Stansell, James V., Eva, Ala. Fender for plows. No. 1,258,492; Mar. 5; v. 248; p. 157.
Stansfield, Walter S., Wyke, and J. Wilkinson, Shipley, assignors to Bradford Dyers' Association Limited, Bradford, England. Treating and finishing fabrics. No. 1,273,551; July 23; v. 252; p. 864.
Stantial, Frank G. (See Howard and Stantial.)
Stanton, Earl F., Providence, R. I. Braiding-machine. No. 1,285,451; Nov. 19; v. 256; p. 585.
Stanton, Elmer A. (See Fitzjohn and Stanton.)
Stanton, Gay A., Battle Creek, Mich. Spring suspension for vehicles. No. 1,259,797; Mar. 19; v. 248; p. 602.
Stanton, James W., Toronto, Ontario, Canada. Wheel-runner for vehicles. No. 1,281,867; Oct. 15; v. 255; p. 538.
Stanton, Warren F., assignor to M. C. Messler, Pawtucket, R. I. Compression-operated ignition device. No. 1,255,241; Feb. 5; v. 247; p. 36.
Stanton, Warren F., assignor to M. C. Messler, Pawtucket, R. I. Compression-operated ignition device. No. 1,255,242; Feb. 5; v. 247; p. 36.
Stanton, Warren F., assignor to M. C. Messler, Pawtucket, R. I. Compression-operated ignition device. No. 1,279,473; Sept. 17; v. 254; p. 633.
Stanwear Manufacturing Company. (See Morris, Joshua M., assignor.)
Stanwood Equipment Company. (See Stanwood, Frank H., assignor.)
Stanwood, Frank H., Arlington, Mass., assignor to Stanwood Equipment Company. Non-slipping tread. No. 1,257,144; Feb. 19; v. 247; p. 670.
Stanwood, Frank H., Chicago, Ill., assignor to Stanwood Equipment Company, Boston, Mass. Hand-pad. No. 1,259,798; Mar. 19; v. 248; p. 602.
Staples, Albert F., Dorchester, Mass. Ash-sifter. No. 1,279,605; Sept. 24; v. 254; p. 694.
Staples, Denison D. (See Slate and Staples.)
Staples, Elial M., Elizabeth, N. J. Glare-dimmer. No. 1,252,193; Jan. 1; v. 246; p. 219.
Staples, Sarah S., London, England. Apparatus for moistening absorbent material. No. 1,254,286; Jan. 22; v. 246; p. 907.
Star Detachable Towel-Holder Co. (See Hubinger, George M., assignor.)
Star Tractor Company. (See Gerdeman, Frank H., assignor.)
Starch, Benjamin. (See Starch, Emil and B.)
Starch, Emil and B., La Crosse, Wis. Milking-machine. No. 1,269,015; June 11; v. 251; p. 285.
Starcher, George C., Auburn, Ala. Fruit-sizing machine. No. 1,258,958; Mar. 12; v. 248; p. 331.
Starcher, Ruby S. (See Hendershott, William H., assignor.)
Starck, Nicholas M., assignor of one-half to J. Zinser, Milwaukee, Wis. Reversible window. No. 1,288,732; Dec. 24; v. 257; p. 721.
Stare, Burton R., Seattle, Wash., F. H. Welling, San Francisco, Cal., and W. Conover, Cleveland, Ohio, assignors to National Hotel Scrip Company, Chicago, Ill. Accounting and account-adjusting device. No. 1,286,137; Nov. 26; v. 256; p. 794.
Starite Manufacturing Company. (See Helle, Warren W., assignor.)
Stark, Alvin E., and M. A. Garrett, Brazoria, Tex.; said M. A. Garrett assignor to C. M. Garrett, Detroit, Mich. Cotton-harvester. No. 1,275,781; Aug. 13; v. 253; p. 427.
Stark, Hugo W., and W. Knuts, San Francisco, Cal., assignors to Continental Can Co., Incorporated, Syracuse, N. Y. Paper-lining machine. No. 1,258,493; Mar. 5; v. 248; p. 157.
Stark, John R., assignor, by mesne assignments, to The Webster Electric Company, Racine, Wis. Interrupter mechanism. No. 1,267,816; May 28; v. 250; p. 903.
Starke, Paul A., Berkeley, Cal. Synthetic production of cyanids. No. 1,256,272; Feb. 12; v. 247; p. 379.
Starke, Paul A., Berkeley, Cal. Synthetic production of ammonia. No. 1,256,273; Feb. 12; v. 247; p. 379.
Starkenberg, Jakob L., Brooklyn, N. Y. Folding bicycle. No. 1,287,130; Dec. 10; v. 257; p. 268.
Starker, Charles W. (See Hellmund and Starker.)
Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear. No. 1,253,294; Jan. 15; v. 246; p. 601.
Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Axle-collar. No. 1,255,482; Feb. 5; v. 247; p. 106.
Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Axle-collar. No. 1,259,310; Mar. 12; v. 248; p. 430.
Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rotor for dynamo-electric machines. No. 1,286,138; Nov. 26; v. 256; p. 795.
Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Brush-holder-supporting device. No. 1,289,295; Dec. 31; v. 257; p. 882.
Starker, Charles W., Pittsburgh, and G. L. S. Kronfeld, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Brush-holder. No. 1,277,497; Sept. 3; v. 254; p. 46.
Starkey, Ernest W. (See Bull and Starkey.)
Starkey, Homer C., Enid, assignor of one-fourth to J. A. Jones, Oklahoma, Okla. Trousers-support. No. 1,285,828; Nov. 26; v. 256; p. 720.
Starkey, William. (See Pearl and Starkey.)
Starkey, William C., Mansfield, Ohio. Trolley-retriever. No. 1,262,128; Apr. 9; v. 249; p. 350.
Starkweather, George A., assignor to Starkweather-Snook Corporation, Fort Madison, Iowa. Shock-absorber. No. 1,281,686; Oct. 15; v. 255; p. 488.
Starkweather-Snook Corporation. (See Starkweather, George A., assignor.)
Starosta, Anton, Erie, Pa. Airship. No. 1,278,247; Sept. 10; v. 254; p. 275.
Starr, Ferdinand W., Oklahoma, Okla. Method of derinding oranges and product thereof. No. 1,277,148; Aug. 27; v. 253; p. 871.
Starr, Fletcher C., Philadelphia, Pa. Fuel-oil atomizing-burner. No. 1,259,052; Mar. 12; v. 248; p. 360.
Starr, George H., assignor of one-third to H. C. Tumblin and one-third to C. J. Jones and R. A. Davis, comprising the firm of Jones & Davis, Athens, Tenn. Railway-switch-lever latch. No. 1,287,497; Dec. 10; v. 257; p. 357.
Starr, Jesse B., Cbanute, Kans. Curtain-support. No. 1,259,922; Mar. 19; v. 248; p. 639.
Starrels, Joel, Montclair, N. J., assignor to Ellis-Foster Company. Liquid shaving-soap. No. 1,257,545; Feb. 26; v. 247; p. 823.
Starrett, Laroy S., Athol, Mass. Hammer. No. 1,258,053; Mar. 5; v. 248; p. 30.
Starrett, Laroy S., Athol, Mass. Wrench. No. 1,258,054; Mar. 5; v. 248; p. 30.

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Starrett, Larcy S., assignor to The L. S. Starrett Company, Athol, Mass. Hacksaw. No. 1,259,799; Mar. 19; v. 248; p. 602.
Startzenbach, Herman J., Atlantic City, N. J. Canning milk. No. 1,255,483; Feb. 5; v. 247; p. 106.
Stasinski, Joseph. (See Kubiak, Henry J., assignor.)
Stastney, Ladislaw, Chicago, Ill. Making soap. No. 1,288,255; Dec. 17; v. 257; p. 577.
Staszko, Bazyli, Hatfield, Mass. Snow-plow. No. 1,269,016; June 11; v. 251; p. 285.
Staszko, Bazyli, Hatfield, Mass. Curtain-hanger. No. 1,270,669; June 25; v. 251; p. 795.
State of Minnesota. (See Downing, John H., assignor.)
State of Minnesota. (See Heitmiller, Herman E., assignor.)
Statham, Noel, Hastings-on-Hudson, assignor to Industrial Chemical Company, New York, N. Y. Making light precipitated chalk. No. 1,266,339; May 14; v. 250; p. 434.
Staton, Wesley B., Gray, Saskatchewan, Canada. Seesaw. No. 1,284,807; Nov. 12; v. 256; p. 382.
Stattler, Rudolph, *et al.* (See Dean, Clyde T., assignor.)
Staub, Clarence E., Mascoutah, Ill. Unbreakable clothes-pin. No. 1,274,344; July 30; v. 252; p. 1120.
Staude, Edwin G., Minneapolis, assignor to E. G. Staude Manufacturing Company, St. Paul, Minn. Light-screen for automobiles. No. 1,259,155; Mar. 12; v. 248; p. 390.
Staude, Joseph O. (See Garrett and Staude.)
Staude, William C., *et al.* (See Manofsky, Herman E., assignor.)
Staudinger, Earl H., Wahoo, Nebr. Chain-lock. No. 1,258,373; Mar. 5; v. 248; p. 122.
Stauft, Daniel B., Uniontown, Pa. Gang-drill for cutting coal. No. 1,270,231; June 18; v 251; p. 648.
Stave, Charles H., Thornton, Ill. Pebble or ball mill. No. 1,283,589; Nov. 5; v. 256; p. 39.
Stavenhagen, Wilhelm H., New York, N. Y. Projecting-machine. No. 1,289,012; Dec. 24; v. 257; p. 787.
Stavenhagen, Wilhelm H., New York, N. Y., assignor to Multiscope Corporation. Folding projection-frame. No. 1,283,590; Nov. 5; v. 256; p. 39.
Stavert, Thomas C., McGill, Nev. Pencil attachment. No. 1,253,900; Jan. 15; v. 246; p. 776.
Stavish, Joseph B., Plainfield, N. J. Universal coupling. No. 1,274,805; Aug. 6; v. 253; p. 132.
Stavnizky, John, South Manchester, Conn. Window attachment. No. 1,284,486; Nov. 12; v. 256; p. 303.
Stazak, Michael B. (See Currier and Stazak.)
Stazak, Michael B. (See Currier, Utter, and Stazak.)
Stead, Frank, Providence, R. I. Loom-reed. No. 1,258,494; Mar. 5; v. 248; p. 158.
Steadman, Frank M., Caracas, Venezuela. Device for determining the actinic power of light. No. 1,274,464; Aug. 6; v. 253; p. 35.
Stealey, Dess I., Middlebourne, W. Va. Vanity-case. No. 1,286,139; Nov. 26; v. 256; p. 795.
Steam Power Devices Company, The. (See Winslow, William H., assignor.)
Stean, Julius H., Worcester, Mass. Photographic-printing device. No. 1,281,092; Oct. 8; v. 255; p. 295.
Stearn, Franklin A. (See Lundell and Stearn.)
Stearn, Franklin A., Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,254,081; Jan. 22; v. 246; p. 847.
Stearn, Franklin A., Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,258,374; Mar. 5; v. 248; p. 123.
Stearn, Louis J., Cleveland, Ohio. Lamp-remover. No. 1,267,009; May 21; v. 250; p. 651.
Stearns, Jason C., Worcester, Mass. Spot-light. No. 1,256,606; Feb. 19; v. 247; p. 513.
Stearns, Justus S. (See Dean, James H., assignor.)
Stearns, Marcus C., Buffalo, N. Y. Cuff-button. No. 1,271,958; July 9; v. 252; p. 369.
Stearns, Marcus C., New York, N. Y. Device for destroying submarines. No. 1,275,317; Aug. 13; v. 253; p. 299.
Stearns, Ray, and W. S. H. Hamilton, Schenectady, N. Y., assignors to General Electric Company. System of control. No. 1,267,817; May 28; v. 250; p. 903.
Stearns, William F., Exeter, N. H. Insect-destroyer. No. 1,268,640; June 4; v. 251; p. 163.
Stearns, William F., Exeter, N. H. Attachment for telephones and the like. No. 1,289,569; Dec. 31; v. 257; p. 950.
Stebbing, Frank, Washington, D. C. Life-preserver. No. 1,273,687; July 23; v. 252; p. 901.
Stebbins, Frank H., and W. A. Hopkins, assignors to A. Huhn, Minneapolis, Minn. Four-wheel-truck steering mechanism. No. 1,289,296; Dec. 31; v. 257; p. 882.
Stebbins, Noah, Detroit, Mich. Alarm-signal. No. 1,253,741; Jan. 15; v. 246; p. 731.
Stechbart, Bruno, assignor, by mesne assignments, to American Projecting Company, Chicago, Ill. Reeling mechanism for motion-picture machines. No. 1,287,498; Dec. 10; v. 257; p. 358.
Stechbart, Bruno, assignor, by mesne assignments, to American Projecting Company, Chicago, Ill. Motion-picture machine. No. 1,287,499; Dec. 10; v. 257; p. 358.
Stechbart, Bruno, assignor, by mesne assignments, to American Projecting Company, Chicago, Ill. Motion-picture machine. No. 1,287,500; Dec. 10; v. 257; p. 358.
Stechbart, Bruno, assignor, by mesne assignments, to American Projecting Company, Chicago, Ill. Film-reeling mechanism. No. 1,287,501; Dec. 10; v. 257; p. 358.
Stechbart, Bruno, assignor, by mesne assignments, to American Projecting Company, Chicago, Ill. Motion-picture machine. No. 1,287,502; Dec. 10; v. 257; p. 359.
Stechbart, Bruno, assignor, by mesne assignments, to American Projecting Company, Chicago, Ill. Motion-picture machine. No. 1,287,503; Dec. 10; v. 257; p. 359.
Stechbart, Bruno, assignor, by mesne assignments, to American Projecting Company, Chicago, Ill. Framing means for motion-picture machines. No. 1,287,504; Dec. 10; v. 257; p. 360.
Stecker, Alfred J., assignor to F. Wardell, Detroit, Mich. Vacuum-cleaner dust-bag and holder therefor. No. 1,264,989; May 7; v. 250; p. 32.
Stecker, Alfred J., assignor to F. Wardell, Detroit, Mich. Electric switch. No. 1,268,173; June 4; v. 251; p. 29.
Stecker, August, Osborn, Wis. Vehicle lifting-jack. No. 1,252,048; Jan. 1; v. 246; p. 179.
Stedman, Ashley U., Warsaw, N. Y. Test-tube reader. No. 1,265,544; May 7; v. 250; p. 183.
Stedman, Burton P., Peoria, Ill. Gate. No. 1,253,742; Jan. 15; v. 246; p. 732.
Stedman, Burton P., Peoria, Ill. Steering device for automobiles. No. 1,275,625; Aug. 13; v. 253; p. 384.
Stedman, George M. (See Schipper, George A., assignor.)
Stedman, John F. (See Hosford and Stedman.)
Stedman, Leonard B., Victoria, British Columbia, Canada. Internal-combustion engine. No. 1,262,602; Apr. 9; v. 249; p. 484.
Stedman, Seymour. (See Gardner, Benjamin F., assignor.)
Stedman, Seymour. (See Gardner, Fulton, assignor.)
Steed, Willie E., Tremonton, Utah. Automatic hose-reel. No. 1,280,574; Oct. 1; v. 255; p. 127.
Steedman, James B., assignor of one-third to J. C. Cox and one-third to L. Summers, Louisville, Ky. Razor-sharpener. No. 1,255,656; Feb. 5; v. 247; p. 157.
Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
Steel Products Company, The. (See Chism, Louis W., assignor.)
Steel Products Company, The. (See Rainftlen, August H., assignor.)
Steel Products Company, The. (See Southworth, Eugene C., assignor.)
Steel Products Company, The. (See White, Leverett E., assignor.)
Steel Furniture Co. (See Irwin, Earle S., assignor.)
Steel Utilities. (See Frelinghuysen, George G., assignor.)
Steel Utilities. (See Hawthorne, Louis A., assignor.)
Steel Utilities. (See Morgan, John D., assignor.)
Steele, Alice L., executrix. (See Steele, James H.)
Steele, Charles B., New York, N. Y. Passenger-car. No. 1,260,473; Mar. 26; v. 248; p. 830.
Steele, Charles W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-stripping machine. No. 1,258,716; Mar. 12; v. 248; p. 262.
Steele, Charles W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-stripping machine. No. 1,258,717; Mar. 12; v. 248; p. 262.
Steele, Chester H., Quaker City, and F. H. Scattergood, Georgetown, Ohio. Molding-machine. No. 1,256,739; Feb. 19; v. 247; p. 551.
Steele, Cornelious M., *et al.* (See Workman, Peyton H., assignor.)
Steele, Edward F., Terre Haute, Ind. Potato-sorter. No. 1,275,099; Aug. 6; v. 253; p. 214.
Steele, Harry W. (See Garrison and Steele.)
Steele, Herbert H., Marcellus, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing and computing machine. No. 1,259,311; Mar. 12; v. 248; p. 431.
Steele, James H., deceased, Eugene, Oreg.; A. L. Steele, executrix. Cable-clamp. No. 1,277,768; Sept. 3; v. 254; p. 122.
Steele, James R., Owego, N. Y. Nut-lock. No. 1,262,991; Apr. 16; v. 249; p. 622.
Steele, James R., assignor to Steele Rail Anchor Company, Owego, N. Y. Rail-fastening. No. 1,269,561; June 11; v. 251; p. 434.
Steele, John G., assignor of one-half to W. H. Mente, St. Louis, Mo. Scraper. No. 1,253,901; Jan. 15; v. 246; p. 777.
Steele, John L., *et al.* (See Robinson, Jonathan J., assignor.)
Steele Rail Anchor Company. (See Steele, James R., assignor.)
Steele, William E., Chicago, Ill. Hinge. No. 1,253,641; Jan. 15; v. 246; p. 702.
Steele, William M., Worcester, Mass. Antislipping device for vehicle-wheels. No. 1,266,076; May 14; v. 250; p. 362.

Steele, William S., Strongfield, Saskatchewan, Canada. Grain-saving attachment for binders. No. 1,272,140; July 9; v. 252; p. 424.
Steelquist, John, Portland, Oreg. Apparatus for treating soil. No. 1,281,427; Oct. 15; v. 255; p. 421.
Steen, Arne. (See Krussand and Steen.)
Steen, Halfdan A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Brake. No. 1,279,777; Sept. 24; v. 254; p. 744.
Steen, Halfdan A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Compound band-brake. No. 1,279,778; Sept. 24; v. 254; p. 745.
Steen, Halfdan A., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Switch. No. 1,279,779; Sept. 24; v. 254; p. 745.
Steen, Halfdan A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit-controller. No. 1,279,780; Sept. 24; v. 254; p. 745.
Steen, Halfdan A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit-interrupting apparatus. No. 1,279,781; Sept. 24; v. 254; p. 746.
Steen, Halfdan A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor-control system. No. 1,284,487; Nov. 12; v. 256; p. 303.
Steen, Halfdan A., Christiania, Norway, assignor to Allis-Chalmers Manufacturing Company. Compound band-brake. No. 1,282,483; Oct. 22; v. 255; p. 744.
Steen, William G., Pittsburgh, Pa. Toy. No. 1,259,923; Mar. 19; vol. 248; p. 640.
Steenbjerg, Peder J., Frederiksberg, near Copenhagen, Denmark. Temperature-indicator. No. 1,272,554; July 16; v. 252; p. 564.
Steendahl, Earl L., Los Angeles, Cal. Toy train and making the same. No. 1,283,591; Nov. 5; v. 256; p. 40.
Steenrod, Julius L., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Tile-laying apparatus. No. 1,287,781; Dec. 17; v. 257; p. 460.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Manufacturing turbine-blades. No. 1,260,588; Mar. 26; v. 248; p. 865.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. No. 1,270,232; June 18; v. 251; p. 649.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Packing and the like. No. 1,279,474; Sept. 17; v. 254; p. 634.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Manufacturing elastic helical gear-wheels. No. 1,280,892; Oct. 8; v. 255; p. 242.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Manufacturing elastic helical gear-wheels. No. 1,280,893; Oct. 8; v. 255; p. 242.
Steere, Albert L., assignor to Appomattox Iron Works and Supply Company, Petersburg, Va. Peanut-planter. No. 1,276,588; Aug. 20; v. 253; p. 684.
Steere, Clarence E., assignor of one-half to H. Scarborough, Milwaukee, Wis. Fluid-fuel-supply apparatus for internal-combustion engines. No. 1,253,642; Jan. 15; v. 246; p. 702.
Steere, Frank W., Detroit, Mich. Furnace. No. 1,257,649; Feb. 26; v. 247; p. 853.
Steere, W. J., *et al.* (See Ferguson, Joseph W., assignor.)
Steers, Walter C., assignor of one-fourth to F. O. Bratton and one-fourth to W. G. Hoffmann, San Francisco, Cal. Eraser. No. 1,284,808; Nov. 12; v. 256; p. 382.
Stefanov, John, Cleveland, Ohio. Disappearing bayonet. No. 1,260,827; Mar. 26; v. 248; p. 934.
Steffans, Francis X. (See Neumann, Louis, assignor.)
Steffens, Fred, St. Joseph, Mo. Car. No. 1,269,017; June 11; v. 251; p. 285.
Steffenson, August. (See Steffenson, John and A.)
Steffenson, John and A., Chicago, Ill. Steam-generator. No. 1,282,136; Oct. 22; v. 255; p. 651.
Stegall, Walter F., assignor of one-half to T. D. Maness, Concord, N. C. Checking-motion for looms. No. 1,256,387; Feb. 12; v. 247; p. 415.
Steger & Sons Piano Manufacturing Company. (See Stein, Carl, assignor.)
Steger, William, Linden Heights, Ohio. Screen. No. 1,260,589; Mar. 26; v. 248; p. 866.
Stehm, Frank R., assignor to The Enamel Concrete Company, Des Moines, Iowa. Brickmaking-machine. No. 1,280,575; Oct. 1; v. 255; p. 128.
Steidle, Charles G. (See Huston, Marcus D., assignor.)
Steiger, Andrew W., Hartford, Conn., assignor to Underwood Computing Machine Company, New York, N. Y. Typewriting machine. No. 1,283,348; Oct. 29; v. 255; p. 1007.
Steiger, Arnold and W., Zurich, Switzerland. Shaft-kiln. No. 1,287,505; Dec. 10; v. 257; p. 360.
Steiger, Charles F., Camden, N. J. Pipe or hose coupling. No. 1,288,256; Dec. 17; v. 257; p. 577.
Steiger, Eugen, Zurich, Switzerland. Fire-alarm. No. 1,256,740; Feb. 19; v. 247; p. 552.
Steiger, Wilhelm. (See Steiger, Arnold and W.)
Steigler, Morris, *et al.* (See Webb, Henry R., Jr., assignor.)
Steil, Peter, Fairbanks, Alaska. Beet topper, digger, and loader. No. 1,251,589; Jan. 1; v. 246; p. 43.
Stein, Carl, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Phonograph. No. 1,261,174; Apr. 2; v. 249; p. 51.
Stein, Charles, Akron, Ohio. Collapsible core. No. 1,275,491; Aug. 13; v. 253; p. 346.
Stein, Charles, Chicago, Ill. Saddle-yoke structure. No. 1,281,868; Oct. 15; v. 255; p. 538.
Stein, David F., Montreal, Canada. Bag-turning machine. No. 1,270,893; July 2; v. 252; p. 40.
Stein, George W., Chicago, Ill. Combined window ventilator and screen. No. 1,273,288; July 23; v. 252; p. 794.
Stein, George W., Chicago, Ill. Combined window-sash fastener and lift. No. 1,278,052; Sept. 3; v. 254; p. 196.
Stein, Hyman. (See Chernov, Stein and Ruben.)
Stein, Samuel F., Williamsport, Pa. Driving mechanism of power-operated sewing-machines. No. 1,270,761; June 25; v. 251; p. 819.
Stein, William C., Buffalo, N. Y. Resilient tire. No. 1,267,707; May 28; v. 250; p. 871.
Steinbeck, Charles A. (See Conner, Clifford R., assignor.)
Steinberg, Barned A. (See Miller, Leo S., assignor.)
Steinberg, Herbert E., Hampstead, London, England, assignor to General Electric Company. Receiver for the storage of steam. No. 1,287,506; Dec. 10; v. 257; p. 360.
Steinberg, Sergius, and I. Gramolin, Motowilichi, Russia. Electrode-holder for electric furnaces. No. 1,280,576; Oct. 1; v. 255; p. 128.
Steinberg, William, Jamaica, assignor of one-third to D. Wegner, New York, N. Y. Compound resilient tire. No. 1,260,727; Mar. 26; v. 248; p. 906.
Steinberger, Louis, Brooklyn, N. Y. Strain-insulator provided with detachable and adjustable arcing means. No. 1,270,457; June 25; v. 251; p. 737.
Steindorf, Michael C., Dallas, Tex. Ash-sieve. No. 1,284,942; Nov. 12; v. 256; p. 418.
Steiner, George A., assignor to American Linen Supply Company, Salt Lake City, Utah. Towel-holder. No. 1,256,274; Feb. 12; v. 247; p. 380.
Steiner, George A., assignor to American Linen Supply Company, Salt Lake City, Utah. Towel-holder. No. 1,287,782; Dec. 17; v. 257; p. 460.
Steiner, George A., assignor to American Linen Supply Company, Salt Lake City, Utah. Towel-cabinet. No. 1,287,783; Dec. 17; v. 257; 461.
Steiner, George A., assignor to American Linen Supply Company, Salt Lake City, Utah. Towel-cabinet. No. 1,287,784; Dec. 17; v. 257; p. 461.
Steiner, George A., assignor to American Linen Supply Company, Salt Lake City, Utah. Towel-case. No. 1,287,785; Dec. 17; v. 257; p. 462.
Steiner, George A., assignor to American Linen Supply Co., Salt Lake City, Utah. Towel-cabinet. No. 1,287,786; Dec. 17; v. 257; p. 462.
Steiner, George A., assignor to American Linen Supply Co., Salt Lake City, Utah. Towel-cabinet. No. 1,287,787; Dec. 17; v. 257; p. 462.
Steiner, Joseph C., St. Louis, Mo. Vending-machine. No. 1,256,071; Feb. 12; v. 247; p. 318.
Steiner Sons & Co., Wm. (See Malocsay, Francis X., assignor.)
Steinert, Albert M., Providence, R. I. Attachment for player-pianos. No. 1,261,175; Apr. 2; v. 249; p. 52.
Steines, Henry. (See Fraley and Steines.)
Steinfeld Bros. (See Gannon, Joseph, assignor.)
Steingruber, George, assignor of two-thirds to M. B. Steingruber, Hazlehurst, Miss.; said M. B. Steingruber assignor of one-third to B. G. Brumby, Marietta, Ga. Vaporizing attachment for explosive-engines. No. 1,266,077; May 14; v. 250; p. 362.
Steingruber, Minnie B., *et al.* (See Steingruber, George, assignor.)
Steinhart, Kurt W., Tacoma, Wash. Stovepipe. No. 1,253,902; Jan. 15; v. 246; p. 777.
Steinheimer, Sigmund, New York, N. Y. Skinning-machine. No. 1,255,657; Feb. 5; v. 247; p. 157.
Steinhilper, John A., Williamsport, Pa. Calipers. No. 1,264,571; Apr. 30; v. 249; p. 1114.
Steinke, Jacob J., Flint, Mich. Electric sign. No. 1,267,708; May 28; v. 250; p. 872.
Steinle, William J., Elmhurst Heights, N. Y., assignor to Rubber Regenerating Company. Tire-building machine. No. 1,252,049; Jan. 1; v. 246; p. 179.
Steinle, William J., Elmhurst Heights, N. Y., assignor to Rubber Regenerating Company. Device for laying tire fabric on cores. No. 1,272,555; July 16; v. 252; p. 564.
Steinle, William J., Elmhurst Heights, N. Y., assignor to Rubber Regenerating Company. Treatment of materials. No. 1,283,947; Nov. 5; v. 256; p. 133.
Steinman, Benjamin, assignor to Pichel Company, New York, N. Y. Hand-bag. No. 1,285,452; Nov. 19; v. 256; p. 586.
Steinman, Edward F., Cincinnati, Ohio. Headlight-lens. No. 1,252,505; Jan. 8; v. 246; p. 341.
Steinman, Jacob H. (See Beck, Owens, and Steinman.)
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,270,894; July 2; v. 252; p. 40.

Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Alternating-current rectifier. No. 1,275,782; Aug. 13; v. 253; p. 428.
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Thermoregulator. No. 1,276,589; Aug. 20; v. 253; p. 684.
Steinmetz, Joseph A., Philadelphia, Pa. Means for protecting vessels against submarines. No. 1,253,295; Jan. 15; v. 246; p. 601.
Steinmetz, Joseph A., Philadelphia, Pa. Defending waterways. No. 1,256,741; Feb. 19; v. 247; p. 552.
Steinmetz, Joseph A., Philadelphia, Pa. Submarine-net. No. 1,274,624; Aug. 6; v. 253; p. 82.
Steinmetz, Joseph A., Philadelphia, Pa. Valve. No. 1,275,783; Aug. 13; v. 253; p. 428.
Steinmetz, Joseph A., Philadelphia, Pa. Grenade. No. 1,276,434; Aug. 20; v. 253; p. 642.
Steinmetz, Joseph A., Philadelphia, Pa. Protected gas-cylinder. No. 1,282,484; Oct. 22; v. 255; p. 745.
Steinmetz, Wallace A., Thurston, Ohio. Wrench. No. 1,251,934; Jan. 1; v. 246; p. 145.
Stelau, William, Kansas City, Mo. Bung-hole closure for sheet-metal containers. No. 1,279,475; Sept. 17; v. 254; p. 634.
Stell, Alfred, Steeton, near Keighley, and J. Stell, Keighley, York, England. Doffing apparatus for spinning and like machines. No. 1,263,714; Apr. 23; v. 249; p. 843.
Stell, Alfred, Steeton, near Keighley, and J. Stell, Keighley, England. Doffing apparatus for spinning and like machines. No. 1,263,715; Apr. 23; v. 249; p. 843.
Stell, John. (See Stell, Alfred and J.)
Stella, Salvatore, Brooklyn, N. Y. Heel-clamping machine. No. 1,282,971; Oct. 29; v. 255; p. 908.
Stellar, Frederick, Birmingham, Ala. Insect gathering and destroying machine. No. 1,279,476; Sept. 17; v. 254; p. 634.
Stellar, Frederick, Birmingham, Ala. Insect gathering and destroying machine. No. 1,279,477; Sept. 17; v. 254; p. 634.
Stelling, Frederick W., Hartford, Conn. Target. No. 1,281,687; Oct. 15; v. 255; p. 488.
Stelzner, Hermann. (See Claren and Stelzner.)
Stenberg, Sven A. A., Los Angeles, Cal. Pin and needle cushion. No. 1,279,032; Sept. 17; v. 254; p. 515.
Stender, John F. (See Ditzler and Stender.)
Stender, William, Milwaukee, Wis., assignor to Knox Patents Company, Inc., Audubon Park, Louisville, Ky. Head-mold for bottle-making machines. No. 1,259,800; Mar. 19; v. 248; p. 605.
Steneck, Nicholas H., Hoboken, N. J. Liquid measuring and registering device. No. 1,264,218; Apr. 30; v. 249; p. 1016.
Stengel, Joseph L., Cincinnati, Ohio, assignor to Union Special Machine Company, Chicago, Ill. Tape-guide for sewing-machines. No. 1,255,243; Feb. 5; v. 247; p. 37.
Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Mechanism for making glass articles. No. 1,265,827; May 14; v. 250; p. 291.
Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Mechanism for delivering glass. No. 1,274,625; Aug. 6; v. 253; p. 82.
Stenman, Axel C., Jamaica Plain, Mass., assignor to Independent Button Fastener Machine Company. Method of and apparatus for forming and clenching staple-like fasteners. No. 1,281,688; Oct. 15; v. 255; p. 488.
Stenotype Company, The. (See Ebelhare and Arvidson, assignors.)
Stenquist, John L., New York, N. Y. Saw-guide. No. 1,280,577; Oct. 1; v. 255; p. 128.
Stenson, Gustaf A., Cokato, Minn. Automobile-top. No. 1,255,809; Feb. 5; v. 247; p. 201.
Stensrud, Charles O., Petersburg, Nebr. Harrow. No. 1,280,894; Oct. 8; v. 255; p. 242.
Stenwick, Albert O., Red Wing, Minn. Block of clay or concrete for sewers, &c. No. 1,268,294; June 4; v. 251; p. 64.
Stenz, Bernard F., assignor to Simplex Lithograph Company, New York, N. Y. Sample-tab. No. 1,283,592; Nov. 5; v. 256; p. 40.
Stepanchak, George, Farrell, Pa. Fitting for bath-tubs. No. 1,281,222; Oct. 8; v. 255; p. 332.
Stepanchak, George, Farrell, Pa. Chalk-holder. No. 1,281,223; Oct. 8; v. 255; p. 332.
Stepanek, Joseph J., Tabor, S. D. Nail-driving machine. No. 1,262,863; Apr. 16; v. 249; p. 586.
Stephani, John, Manitowoc, Wis. Umbrella-holder. No. 1,286,140; Nov. 26; v. 256; p. 795.
Stephano, Constantine, Elkins Park, Pa. Receptacle. No. 1,262,992; Apr. 16; v. 249; p. 623.
Stephany, Ludwig. (See Luebbert and Stephany.)
Stephens-Adamson Manufacturing Company. (See Kendall, Myron A., assignor.)
Stephens-Adamson Mfg. Co. (See Stephens, Wiley W., assignor.)
Stephens-Adamson Mfg. Co. (See Stewart, John, assignor.)
Stephens, Glendon W., Rumford, Me. Jaw-trap. No. 1,279,782; Sept. 24; v. 254; p. 746.
Stephens, Harry H., Paterson, N. J. Centrifugal apparatus. No. 1,262,129; Apr. 9; v. 249; p. 351.
Stephens, Harry H., Philadelphia, Pa., assignor to The Sanitation Corporation, New York, N. Y. Sewage-treating apparatus. No. 1,264,990; May 7; v. 250; p. 33.
Stephens, John S., Paterson, N. J. Truck. No. 1,255,484; Feb. 5; v. 247; p. 106.
Stephens, Lavinia, Englewood, N. J. Winding device. No. 1,268,174; June 4; v. 251; p. 30.
Stephens, Leon E., Redlands, Cal. Locomotive. No. 1,278,515; Sept. 10; v. 254; p. 345.
Stephens, Philip A., St. Louis, Mo. Torpedo-guard. No. 1,257,757; Feb. 26; v. 247; p. 885.
Stephens, Wiley W., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Carrier for belt conveyers. No. 1,255,658; Feb. 5; v. 247; p. 157.
Stephens, Wiley W., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Belt conveyer. No. 1,255,659; Feb. 5; v. 247; p. 158.
Stephens, William C., Carn Brea, England. Valve-gear for rock-drilling. No. 1,279,929; Sept. 24; v. 254; p. 789.
Stevens, William C., Summit county, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Core-cleaning machine. No. 1,283,948; Nov. 5; v. 256; p. 134.
Stephens, William M., Equinunk, Pa. Ax. No. 1,265,276; May 7; v. 250; p. 111.
Stevens, William N. (See Bullard and Stevens.)
Stephenson, Axel G., Denver, Colo. Truck-brake and tongue-support. No. 1,289,297; Dec. 31; v. 257; p. 883.
Stephenson, Howard, Cartersburg, and V. E. Stanley, Plainfield, Ind. Automatic headlight control. No. 1,277,498; Sept. 3; v. 254; p. 46.
Stephenson, John A., and L. Wachsman, Cincinnati, Ohio. Combination lock-valve. No. 1,281,689; Oct. 15; v. 255; p. 488.
Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Rail-anchor. No. 1,251,705; Jan. 1; v. 246; p. 79.
Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Rail-joint. No. 1,252,368; Jan. 1; v. 246; p. 267.
Stephenson, Leonard D., assignor of one-third to E. T. Paull, New York, N. Y. Wheel for motor-cycles. No. 1,268,641; June 4; v. 251; p. 163.
Stephenson, Robert J., assignor to The Stephenson Supply Company, Inc., Auburn, N. Y. Battery-box and lantern. No. 1,257,758; Feb. 26; v. 247; p. 886.
Stephenson Supply Company, The. (See Stephenson, Robert J., assignor.)
Stephenson, Thomas B., Forestville, Conn. Pinion-filling machine. No. 1,267,818; May 28; v. 250; p. 903.
Stephenson, Wallace G., Ogdensburg, N. Y. Sugar-cane planter. No. 1,280,895; v. 255; p. 243.
Stepzinski, Leo G., Peoria, Ill. Key-controlled switch. No. 1,289,298; Dec. 31; v. 257; p. 883.
Sterling, Bernard A., Chicago, Ill. Plural-compartment container. No. 1,282,485; Oct. 22; v. 255; p. 745.
Sterling Blower Company. (See Christoph, George W., assignor.)
Sterling Corporation Company, The. (See Longoria, Antonio, assignor.)
Sterling, Frederick W., San Francisco, assignor to F. C. Koerber Co., Oakland, Cal. Dish-drying rack and pan. No. 1,254,287; Jan. 22; v. 246; p. 907.
Sterling, Guy, Salt Lake City, Utah. Separating potassium salts from mother-liquor salts. No. 1,264,572; Apr. 30; v. 249; p. 1115.
Sterling, Guy, Salt Lake City, Utah. Treating potassium-bearing silicates to obtain potassium sulfate. No. 1,268,508; June 4; v. 251; p. 124.
Sterling Manufacturing Company. (See Rodemeyer and Martin, assignors.)
Sterling, William W., Ruth, Nev. Plug-valve. No. 1,274,345; July 30; v. 252; p. 1120.
Stern, Charles, and G. F. Egan, Jersey City, N. J. Auto tail lamp and signal. No. 1,286,825; Dec. 3; v. 257; p. 152.
Stern, David. (See Jellinek and Stern.)
Stern, Harry, New York, N. Y. Automatic non-skid device. No. 1,257,145; Feb. 19; v. 247; p. 670.
Stern, Harry A., Yonkers, N. Y. Container. No. 1,289,948; Dec. 31; v. 257; p. 1043.
Stern, Louis J., assignor to E. R. Tolfree, Boston, Mass. Stopping leaks in automobile-radiators and other receptacles. No. 1,281,690; Oct. 15; v. 255; p. 489.
Stern, Newton W. (See Westling and Andersen, assignors.)
Sternberg, George, New Brighton, assignor to Samuel G. Supplee & Co., New York, N. Y. Impression cup and matrix. No. 1,257,947; Feb. 26; v. 247; p. 940.
Sternstein, Louis I. (See Fleischmann, Isidor, assignor.)
Sterrett, Frank O., Colorado Springs, Colo. Concentrator. No. 1,263,956; Apr. 23; v. 249; p. 911.
Sterzing, Albert A. E., New York, N. Y. Steam-generator. No. 1,275,492; Aug. 13; v. 253; p. 346.
Sterzing, Albert A. E., New York, N. Y. Steam-turbine. No. 1,281,224; Oct. 8; v. 255; p. 332.
Stettiner Chamotte-Fabrik Actien-Gesellschaft vormals Didier. (See Piernay, Walter, assignor.)

Steuernagel, Hugo V., assignor to The Hugo Manufacturing Company, Hartford, Conn. Clamp. No. 1,257,040; Feb. 19; v. 247; p. 641.
Steup, Arthur, Jersey City, N. J. Wick-coupling. No. 1,274,626; Aug. 6; v. 253; p. 83.
Steurer, John A., New York, N. Y. Sound-reproducing diaphragm and making the same. No. 1,264,219; Apr. 30; v. 249; p. 1016.
Steutermann, Francis J., Webster, Mass. Funnel. No. 1,267,139; May 21; v. 250; p. 689.
Steven, Henri, Montefurado, Spain. Valveless apparatus comprising pistons having an alternating rectilinear motion for drawing and delivering fluids. No. 1,262,130; Apr. 9; v. 249; p. 351.
Stevens, Alfred H., Brooklyn, N. Y. Mixing and stirring device. No. 1,255,944; Feb. 12; v. 247; p. 280.
Stevens, Alfred H., Brooklyn, assignor to Stevens Brothers, New York, N. Y. Anilin-reducer. No. 1,267,819; May 28; v. 250; p. 904.
Stevens, Alton E., Providence, R. I. Automatic telephone central-station apparatus. No. 1,265,398; May 7; v. 250; p. 145.
Stevens, Alton E., Providence, R. I. Automatic-telephone substation mechanism. No. 1,280,097; Sept. 24; v. 254; p. 834.
Stevens, Alton E., assignor to Screw Machine Products Corporation, Providence, R. I. Automatic telephone system. No. 1,280,096; Sept. 24; v. 254; p. 833.
Stevens, Arthur L., Chicago, Ill. Regenerative furnace. No. 1,282,649; Oct. 22; v. 255; p. 790.
Stevens, Bertram A. (See Corrall and Stevens.)
Stevens Brothers. (See Stevens, Alfred H., assignor.)
Stevens, Burt D., Riverside, assignor of three-fourths to W. V. Kelley, Chicago, Ill. Valve for engines. No. 1,261,966; Apr. 9; v. 249; p. 306.
Stevens, Burt D., Evanston, assignor of three-fourths to W. V. Kelley, Chicago, Ill. V-type engine. No. 1,267,929; May 28; v. 250; p. 936.
Stevens Charles E. (See Stevens, Edward W., assignor.)
Stevens, Charles E., Jr., and E. W., Detroit, Mich. Recording-gage. No. 1,253.438; Jan. 15; v. 246; p. 646.
Stevens and Company. (See Stevens, Frederick A., assignor.)
Stevens, Deland M., Muskegon Heights, Mich. Combined bottle carrier and opener. No. 1,253,903; Jan. 15; v. 246; p. 777.
Stevens, Dexter, and G. Clarke, assignors to The Esmond Mills, Esmond, R. I. Spinning-crane. No. 1,254,738; Jan. 29; v. 246; p. 1067.
Stevens, Edmund S. (See Sheridan and Stevens.)
Stevens, Edward L., Loveland, Colo. Road-drag. No. 1,277,661; Sept. 3; v. 254; p. 92.
Stevens, Edward W. (See Stevens, Charles E., Jr., and E. W.)
Stevens, Edward W., Detroit, Mich. assignor of one-half to C. E. Stevens Chicago, Ill. Pneumatic-tire deflator. No. 1,256.388; Feb. 12; v. 247; p. 415.
Stevens, Elbridge W., Baltimore, Md. Motor-fuel. No. 1.259,053; Mar. 12; v. 248; p. 360.
Stevens, Frank, Philadelphia, Pa. Sound-transmitting apparatus. No. 1,273,107; July 16; v. 252; p. 719.
Stevens, Frank, New York, assignor of one-half to J. Stevens, Niagara Falls, N. Y. Parachute case or envelop. No. 1,260,474; Mar. 26; v. 248; p. 830.
Stevens, Frank, and F. C. Spicker, Roundup, Mont. Pump-operating device. No. 1,270,068; June 18; v. 251; p. 605.
Stevens, Frank W., Albion, Iowa. Heat-distributing device. No. 1,265,828; May 14; v. 250; p. 292.
Stevens, Frederick A., Providence, R. I. Lacing-tip. No. 1,263,716; Apr. 23; v. 249; p. 843.
Stevens, Frederick A., Providence, R. I. Lens-post sleeve and forming the same. No. 1,267,472; May 28; v. 250; p. 806.
Stevens, Frederick A., Providence, R. I., assignor to Stevens and Company, Incorporated. Mounting. No. 1,274,806; Aug. 6; v. 253; p. 132.
Stevens, Frederick A., Providence, R. I., assignor to Stevens and Company, Incorporated. Mounting. No. 1,274,807; Aug. 6; v. 253; p. 132.
Stevens, Frederick A., Providence, R. I., assignor to Stevens and Company, Incorporated. Mountaing. No. 1,274,808; Aug. 6; v. 253; p. 133.
Stevens, Frederick A., Providence, R. I., assignor to Stevens and Company. Mounting. No. 1,283,349; Oct. 29; v. 255; p. 1007.
Stevens, George L., Long Beach, Cal. Soft-tire alarm. No. 1,276,435; Aug. 20; v. 253; p. 642.
Stevens, Harry A., Batavia, Ill. Water-fountain and feed-hopper. No. 1,251.935; Jan. 1; v. 246; p. 145.
Stevens, Henry V., Emporia, Kans. Draft-regulator. No. 1,278,516; Sept. 10; v. 254; p. 345.
Stevens, Howard M., Pocatello, Idaho. Lubricator. No. 1,262,864; Apr. 16; v. 249; p. 587.
Stevens, Joseph L., Stockton, Kans. Seat-cover. No. 1,264,573; Apr. 30; v. 249; p. 1115.
Stevens, Julia. (See Stevens, Frank, assignor.)
Stevens, Leslie, Glen Ridge, N. J. Hat-block. No. 1,258,718; Mar. 12; v. 248; p. 262.
Stevens, Leslie, Glen Ridge, N. J. Hat-shaping apparatus. No. 1,258,719; Mar. 12; v. 248; p. 263.
Stevens, Lyman S., Baltimore, Md. Apparatus for proportioning the charge of fuel and air in internal-combustion engines. No. 1,269,757; June 18; v. 251; p. 522.
Stevens, Merton P., East Orange, N. J. Shade-holder. No. 1,252,506; Jan. 8; v. 246; p. 342.
Stevens, Reuben P. (See King and Stevens.)
Stevens, Robert H., Newark, N. J. Sanitary closure for containers. No. 1,252,194; Jan. 1; v. 246; p. 219.
Stevens, Robert L., assignor to National Spring & Wire Company, Albion, Mich. Cushion. No. 1,269,018; June 11; v. 251; p. 286.
Stevens, Robert L., assignor to National Spring & Wire Company, Albion, Mich. Cushion-spring. No. 1,275,318; Aug. 13; v. 253; p. 300.
Stevens, Solomon M., Sulphur, Okla. Shade and curtain hanger. No. 1,266,078; May 14; v. 250; p. 363.
Stevens, Valentine J. (See Butler, Stevens, and Walsh.)
Stevens, Walter A., Cambridge, Mass. Combined putty-knife and nail-extractor. No. 1,255,660; Feb. 5; v. 247; p. 158.
Stevens, William B. (See Ruble and Stevens.)
Stevens, William C. (See Henderson and Stevens.)
Stevens, William C., Summit, N. J. Motor-controller. No. 1,277,499; Sept. 3; v. 254; p. 47.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Machine for making tire-carcasses. No. 1,253,105; Jan. 8; v. 246; p. 517.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making tire-casing carcasses. No. 1,258,056; Mar. 5; v. 248; p. 31.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Motor-tire-applying apparatus. No. 1,260,992; Mar. 26; v. 248; p. 978.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bias-fabric-assembling table. No. 1,263,292; Apr. 16; v. 249; p. 706.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Machine for inserting cross-wires in solid tires. No. 1,274,465; Aug. 6; v. 253; p. 36.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Fabric-spreader for tire-making machines. No. 1,276,436; Aug. 20; v. 253; p. 642.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-opening machine. No. 1,288,733; Dec. 24; v. 257; p. 721.
Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for use in the manufacture of automobile-tires. No. 1,289,949; Dec. 31; v. 257; p. 1043.
Stevens, William C., Summit county, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Fabric-handling trucks. No. 1,263,293; Apr. 16; v. 249; p. 706.
Stevens, William C., Summit county, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Quick-acting chuck. No. 1,256,841; Feb. 19; v. 247; p. 581.
Stevens, William C., Summit, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Motor-tire-hard-base-applying machine. No. 1,270,895; July 2; v. 252; p. 40.
Stevens, William C., Summit, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Making solid tires. No. 1,276,821; Aug. 27; v. 253; p. 783.
Stevens, William C., Summit, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Hoisting system. No. 1,267,820; May 28; v. 250; p. 904.
Stevens, William C., Summit, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,269,655; June 18; v. 251; p. 493.
Stevens, William H., Altoona, Pa. Draft-gage. No. 1,255,063; Jan. 29; v. 246; p. 1160.
Stevens, William N. (See Bullard and Stevens.)
Stevenson, Ashton G., New York, N. Y., assignor to W. H. Cross, Menomonie, Wis. Type furniture and type-furniture mold. No. 1,260,828; Mar. 26; v. 248; p. 934.
Stevenson, Charles M., Rockford, Ill. Cattle-stanchion and support therefor. No. 1,286,440; Dec. 3; v. 257; p. 63.
Stevenson, Charles M., Rockford, Ill. Stanchion and operating mechanism therefor. No. 1,286,441; Dec. 3; v. 257; p. 64.
Stevenson, Charles R., assignor to National Veneer Products Company, Mishawaka, Ind. Golf-bag. No. 1,254,640; Jan. 22; v. 246; p. 1008.
Stevenson, Charles R., assignor to National Veneer Products Company, Mishawaka, Ind. Hanger-support for trunks. No. 1,282.972; Oct. 29; v. 255; p. 908.
Stevenson, Charles W., Puyallup, Wash. Crate-making machine. No. 1,273,947; July 30; v. 252; p. 1012.
Stevenson, Edward R. (See Kelley and Stevenson.)
Stevenson, Frank M. (See Rodman and Stevenson.)
Stevenson, Frank M., assignor, by mesne assignments, to Pennsylvania Tank Car Company, Sharon, Pa. Tank-car. No. 1,253.743; Jan. 15; v. 246; p. 732.
Stevenson, Frederick A., Detroit, Mich., assignor to American Car and Foundry Company, St. Louis, Mo. Top-reaming machine. No. 1,256,072; Feb. 12; v. 247; p. 318.

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Stevenson, Frederick A., Detroit, Mich., assignor to American Car and Foundry Company, St. Louis Mo. Side-reaming machine. No. 1,256,073; Feb. 12; v. 247; p. 319.

Stevenson, Frederick A., Detroit, Mich., assignor to American Car and Foundry Company, St. Louis, Mo. Toggle mechanism. No. 1,276,437; Aug. 20; v. 253; p. 642.

Stevenson, George H., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. No. 1,271,794; July 9; v. 252; p. 323.

Stevenson, James W., Riverside, Cal. Fruit-conveyer. No. 1,283,949; Nov. 5; v. 256; p. 134.

Stevenson, John B., Glasgow, Scotland. Stentering or stretching device for steam can drying machines for textile fabrics. No. 1,278,053; Sept. 3; v. 254; p. 196.

Stevenson, John F. (See Moeller and Stevenson.)

Stevenson, John F., assignor of one-half to W. H. Shepard and one-half to P. Barnes, Seattle, Wash. Car for monorailway. No. 1,257,146; Feb. 19; v. 247; p. 670.

Stevenson, John R., Glasgow, Scotland. Stentering or stretching device for steam can drying-machines for textile fabrics. No. 1,253,643; Jan. 15; v. 246; p. 703.

Stevenson, Lemuel L., Emporia, Kans. Photoprint-adjuster. No. 1,275,784; Aug. 13; v. 253; p. 428.

Stevenson, Thomas A. M., Winston-Salem, N. C. Smelting-furnace. No. 1,269,974; June 18; v. 251; p. 580.

Stevenson, William, Morristown, N. J. Means for protecting vessels against torpedo attacks. No. 1,282,486; Oct. 22; v. 255; p. 745.

Steventon, Thomas, assignor to American Graphophone Company, Bridgeport, Conn. Die for pressing sound-records. No. 1,275,100; Aug. 6; v. 253; p. 215.

Steverding, J. E. (See Adler, Herman J., assignor.)

Steward, Charles M., Plano, Ill. Removable spur for treads of tractor-wheels. No. 1,270,984; July 2; v. 252; p. 66.

Steward Davit & Equipment Corporation. (See Hills, Harry B., assignor.)

Steward, Edgar J., Youngstown, Ohio. Amusement device. No. 1,289,950; Dec. 31; v. 257; p. 1044.

Steward, Louise D., Boise, Idaho. Sole for boots and shoes. No. 1,272,556; July 16; v. 252; p. 564.

Steward, Roy F., Washington, D. C. Effecting chemical reactions. No. 1,284,488; Nov. 12; v. 256; p. 303.

Stewart, Albert J. (See Griffin and Stewart.)

Stewart, Annie L., South Auburn, Nebr. Stove-lock. No. 1,268,175; June 4; v. 251; p. 30.

Stewart, Arthur L., and B. H. Bickle, assignors to Gleason Works, Rochester, N. Y. Gear-cutter. No. 1,274,466; Aug. 6; v. 253; p. 36.

Stewart, B. E. (See Ethridge, Frederick M., assignor.)

Stewart Bros. (See Stewart, Christopher D., assignor.)

Stewart, Charles C., Detroit, Mich. Supporting device. No. 1,280,325; Oct. 1; v. 255; p. 59.

Stewart, Charles V., Santa Cruz, Cal. Adjustable window-screen. No. 1,257,147; Feb. 19; v. 247; p. 670.

Stewart, Christopher D., assignor to Stewart Bros., Ottawa, Ill. Cable-tester. No. 1,254,288; Jan. 22; v. 246; p. 907.

Stewart, Colon C., Berkley, Va. Collapsible bed-tray. No. 1,263,957; Apr. 23; v. 249; p. 911.

Stewart, Edward J., Brookline, Mass. Bottle-capping machine. No. 1,262,993; Apr. 16; v. 249; p. 623.

Stewart, Edward W., Sandusky, Ohio. Safety-crank for spring-motors. No. 1,260,829; Mar. 26; v. 248; p. 934.

Stewart, Edwin F., New York, N. Y. Duplex strainer. No. 1,288,257; Dec. 17; v. 257; p. 578.

Stewart, Edwin F., Woodcliff, N. J., assignor to The Barrett Company. Cock for regulating the flow of liquids and gases. No. 1,259,054; Mar. 12; v. 248; p. 360.

Stewart, Fred A., *et al.* (See Christian, Thomas A., assignor.)

Stewart, Frederick G., Stockton, Cal., assignor to The E. J. Woodison Co., Buffalo, N. Y. Suspension means for pouring devices. No. 1,289,299; Dec. 31; v. 257; p. 863.

Stewart, Frederick W., Beaver, assignor of one-half to Phoenix Glass Company, Pittsburgh, Pa. Making glassware. No. 1,259,156; Mar. 12; v. 248; p. 390.

Stewart, Frederick W., Beaver, assignor of one-half to Phoenix Glass Company, Pittsburgh, Pa. Mold for glassware. No. 1,259,157; Mar. 12; v. 248; p. 390.

Stewart, George T., Larrabee, Iowa. Stock-watering trough. No. 1,251,590; Jan. 1; v. 246; p. 44.

Stewart, Georgiana, Shawnee, Okla. Quilting-frame. No. 1,275,493; Aug. 13; v. 253; p. 347.

Stewart, Gertrude F. (See Stewart, Perez M., assignor.)

Stewart, Gratton W. (See Griffin and Stewart.)

Stewart, Hugh F., *et al.* (See Blumenberg, Henry, Jr., assignor.)

Stewart, James, Morningside, New Zealand. Securing means for watches, keys, and the like upon the person of the owner. No. 1,273,419; July 23; v. 252; p. 830.

Stewart, James A., Holidays Cove, W. Va. Drive mechanism for airships. No. 1,288,258; Dec. 17; v. 257; p. 578.

Stewart, Jeffrey, Philadelphia, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Obtaining oils. No. 1,276,822; Aug. 27; v. 253; p. 784.

Stewart, Jesse J., Yale, Ark. Baling-press. No. 1,276,986; Aug. 27; v. 253; p. 826.

Stewart, John, Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Pulley. No. 1,255,661; Feb. 5; v. 247; p. 158.

Stewart, John H., Jamaica, N. Y., assignor to The Coburn Trolley Track M'f'g Co., Holyoke, Mass. Self-closing pendulum-hanger for doors. No. 1,275,174; Aug. 6; v. 253; p. 235.

Stewart, John H., Jamaica, N. Y., assignor to The Coburn Trolley Track M'f'g Company, Holyoke, Mass. Self-closing pendulum-hanger for doors. No. 1,275,175; Aug. 6; v. 253; p. 235.

Stewart, John K., deceased, Chicago, Ill.; J. B. Stewart, executrix. Spring-starter of automobile-engines. No. 1,252,626; Jan. 8; v. 246; p. 377.

Stewart, John K., deceased, Chicago, Ill.; J. B. Stewart, executrix, Northport, N. Y. Drive-chain. No. 1,269,656; June 18; v. 251; p. 494.

Stewart, John P., and J. R. Childs, Kansas City, Mo. Lock for boxes. No. 1,271,096; July 2; v. 252; p. 96.

Stewart, John R., Huntington, Oreg. Fountain-brush. No. 1,264,707; Apr. 30; v. 249; p. 1151.

Stewart, John W. (See Isherwood and Stewart.)

Stewart, Joseph B., and J. D. Winfrey, Troy, Tex. Spring-wheel. No. 1,284,809; Nov. 12; v. 256; p. 383.

Stewart, Julia B., executrix. (See Kocourek, Henry, assignor.)

Stewart, Julia B., executrix. (See Stewart, John K.)

Stewart Manufacturing Company, The. (See Schroder, Fred F., assignor.)

Stewart, Perez M., trustee. (See Hart, Thomas M., assignor.)

Stewart, Perez M., assignor to G. F. Stewart, New York, N. Y. Building construction. No. 1,264,991; May 7; v. 250; p. 33.

Stewart, Perez M., assignor to G. F. Stewart, New York, N. Y. Protected metal article. No. 1,288,734; Dec. 24; v. 257; p. 721.

Stewart Phonograph Corporation. (See McArthur, Leslie, assignor.)

Stewart, Richard F., Elmsford, N. Y. Incinerator. No. 1,261,313; Apr. 2; v. 249; p. 92.

Stewart, T. E., trustee. (See Pifer, George N., assignor.)

Stewart, Thomas B., Portola, Cal. Fume-condenser. No. 1,252,731; Jan. 8; v. 246; p. 407.

Stewart, Verda V., Weyers Cave, Va. Hair-brush. No. 1,258,375; Mar. 5; v. 248; p. 123.

Stewart-Warner Speedometer Corporation. (See Berg, Joseph, assignor.)

Stewart-Warner Speedometer Corporation. (See Berg, Louis, assignor.)

Stewart Warner Speedometer Corporation. (See Higginson and Arundel, assignors.)

Stewart-Warner Speedometer Corporation. (See Ross, Frank A., assignor.)

Stewart, William A., San Francisco, Cal. Condiment-holder. No. 1,269,127; June 11; v. 251; p. 316.

Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling machine. No. 1,262,131; Apr. 9; v. 249; p. 351.

Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-leveling machine. No. 1,268,295; June 4; v. 251; p. 64.

Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on soles. No. 1,271,795; July 9; v. 252; p. 323.

Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. No. 1,277,769; Sept. 3; v. 254; p. 122.

Stewart, William C., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Upper-pulling device. No. 1,289,635; Dec. 31; v. 257; p. 966.

Stewart, William F., assignor to American Water Heater Company, St. Louis, Mo. Gas-burner. No. 1,269,333; June 11; v. 251; p. 374.

Stewart, William J. (See Linden, Lucien, assignor.)

Stewart, William J., Chicago, Ill. Vehicle-hub. No. 1,270,069; June 18; v. 251; p. 605.

Stewart, William L., Trenton, N. J. Artificial ear-drum. No. 1,258,162; Mar. 5; v. 248; p. 62.

Stewart, William M., Toronto, Ontario, Canada. Oil-heater. No. 1,261,176; Apr. 2; v. 249; p. 52.

Stewart, William Y., Denver, Colo. Expansion-control device for elastic valves. No. 1,266,340; May 14; v. 250; p. 434.

Steynis Ozone Company. (See Bégot, Louis H. E., assignor.)

Stich, Charles A., New York, N. Y. Shearing and punching machine. No. 1,259,801; Mar. 19; v. 248; p. 603.

Stichel, Charles, assignor to Pacific Box Factory Inc., San Francisco, Cal. Feeding-table. No. 1,271,959; July 9; v. 252; p. 370.

Stickdorn, Robert, Zurich, Switzerland, assignor to A. Eckstein, New York, N. Y. Flushing apparatus. No. 1,254,739; Jan. 29; v. 246; p. 1067.

Stickle, Cole, Indianapolis, Ind. Steam-trap. No. 1,256,275; Feb. 12; v. 247; p. 380.

Alphabetical list of patentees—Continued.

Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,257,546; Feb. 26; v. 247; p. 823.
Stickney, Burnham C., Elizabeth, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,259,924; Mar. 19; v. 248; p. 640.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,260,728; Mar. 26; v. 248; p. 907.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,241; June 18; v. 251; p. 651.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,242; June 18; v. 251; p. 651.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,243; June 18; v. 251; p. 652.
Stickney, Burnham C., Elizabeth, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,275,994; Aug. 13; v. 253; p. 488.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,277,500; Sept. 3; v. 254; p. 47.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,285,453; Nov. 19; v. 256; p. 586.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,286,826; Dec. 3; v. 257; p. 153.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,286,827; Dec. 3; v. 257; p. 153.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,288,259; Dec. 17; v. 257; p. 578.
Stickney, Byron G., Chicago, Ill. Cut-out for vehicle-motors. No. 1,285,829; Nov. 26; v. 256; p. 720.
Stickney, Charles A., Chicago, Ill. Telephone-exchange apparatus. No. 1,254,167; Jan. 22; v. 246; p. 873.
Stickney, Charles A., Chicago, Ill. Telephone coin-box. No. 1,254,168; Jan. 22; v. 246; p. 873.
Stickney & Montague. (See Lyle, Alexander B., assignor.)
Stief, Fred A., East St. Louis, Ill. Refining lead alloys and alloys containing lead, tin, copper, or antimony. No. 1,283,427; Oct. 29; v. 255; p. 1027.
Stiefel, Ira B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Armature-winding for dynamo-electric machines. No. 1,287,788; Dec. 17; v. 257; p. 462.
Stiefel, John W., St. Paul, Minn. Radiator for automobiles. No. 1,283,950; Nov. 5; v. 256; p. 134.
Stieg, August H., assignor to Union Special Machine Company, Chicago, Ill. Folder for sewing-machines. No. 1,288,735; Dec. 24; v. 257; p. 721.
Stiens, Frank A. (See Von Wahlde and Stiens.)
Stier, Abraham, Brooklyn, N. Y. Safety attachment for machines. No. 1,257,759; Feb. 26; v. 247; p. 886.
Stiffey, James J., Conemaugh, Pa. Portière, shade, and curtain holder. No. 1,266,079; May 14; v. 250; p. 363.
Stiffey, James J., Conemaugh, assignor of one-third to M. Marohnich and one-third to L. Prostredny, Johnstown, Pa. Soldering-iron. No. 1,285,830; Nov. 26; v. 256; p. 721.
Stile, Joseph, Jeanette, Pa. Apparatus and process for flattening and forming glass. No. 1,259,459; Mar. 12; v. 248; p. 474.
Stiles, Archibald, Stephensport, Ky. Broom. No. 1,277,662; Sept. 3; v. 254; p. 92.
Stiles, Otho W., Kansas City, Mo. Automobile-door lock. No. 1,283,350; Oct. 29; v. 255; p. 1007.
Stiles, Thomas G., Arlington, N. J. Switch mechanism. No. 1,253,439; Jan. 15; v. 246; p. 646.
Stiles, Thomas G., assignor to The T. Geo. Stiles Company, Arlington, N. J. Pipe-carrier. No. 1,253,440; Jan. 15; v. 246; p. 647.
Stiles, Wayne M., Mount Holly, N. J. Pea-picker. No. 1,282,973; Oct. 29; v. 255; p. 908.
Still, William J., London, England. Fuel-injector. No. 1,262,400; Apr. 9; v. 249; p. 427.
Stilley, Wirt W., Newport News, Va. Ironing-board. No. 1,265,970; May 14; v. 250; p. 333.
Stillman, Thomas B. (See Peabody and Stillman.)
Stillwaggon, John H., New York, N. Y. Aquatic display apparatus. No. 1,281,869; Oct. 15; v. 255; p. 539.
Stilwell, Richard O., Tarentum, Pa., assignor, by mesne assignments, to Atlantic Bottle Company, New York, N. Y. Bottle-making machine. No. 1,282,487; Oct. 22; v. 255; p. 745.
Stilwill, Fred W., Chicago, Ill. Shock-absorber. No. 1,262,711; Apr. 16; v. 249; p. 543.
Stilwill, Fred W., assignor of one-half to G. M. Atwell, Chicago, Ill. Calculating-machine. No. 1,269,876; June 18; v. 251; p. 556.
Stimecz, Karl, Hamilton, Ohio. Stripping attachment for forks. No. 1,255,945; Feb. 12; v. 247; p. 280.
Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Temple thread-cutter for looms. (Reissue.) No. 14,420; Jan. 8; v. 246; p. 546.
Stimpson, Edward S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Battery-feed for looms. No. 1,269,975; June 18; v. 251; p. 581.
Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Filling-parting mechanism. No. 1,272,557; July 16; v. 252; p. 564.
Stimpson, Edward S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Battery-feed for looms. (Reissue.) No. 14,504; Aug. 13; v. 253; p. 490.
Stimpson, Edward S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler-motion for looms. No. 1,282,974; Oct. 29; v. 255; p. 908.
Stimpson, Edward S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-parter. No. 1,288,260; Dec. 17; v. 257; p. 578.
Stimpson, Edwin B., Brooklyn, N. Y. Cartridge-belt. No. 1,288,261; Dec. 17; v. 257; p. 579.
Stimpson, Edwin B., Brooklyn, N. Y. Cartridge-belt. No. 1,288,262; Dec. 17; v. 257; p. 579.
Stimpson, Edwin B., Brooklyn, N. Y. Cartridge-belt. No. 1,288,263; Dec. 17; v. 257; p. 579.
Stimpson, Edwin B., Brooklyn, N. Y. Cartridge-belt. No. 1,288,264; Dec. 17; v. 257; p. 579.
Stimpson, Thomas, Jr., Anamosa, Iowa. Internal-combustion motor. No. 1,257,419; Feb. 26; v. 247; p. 784.
Stine, Ardon M., assignor of one-fourth to F. E. Potts, Los Angeles, Cal. Furring-nail. No. 1,254,740; Jan. 29; v. 246; p. 1067.
Stine, George R., Oakland, Cal. Folding camp-stool. No. 1,258,495; Mar. 5; v. 248; p. 158.
Stine, George R., assignor of one-half to C. W. Springsteen, San Francisco, Cal. Folding cot. No. 1,257,041; Feb. 19; v. 247; p. 641.
Stineman, Ralph P., Gulfport, Miss. Motion-picture-printing machine. No. 1,260,590; Mar. 26; v. 248; p. 866.
Stiner, Earl, and J. M. Koss, Detroit, Mich. Resilient wheel. No. 1,272,558; July 16; v. 252; p. 565.
Stines, Edward H., assignor to Perfection Manufacturing Company, New Brunswick, N. J. Thread-guide. No. 1,271,492; July 2; v. 252; p. 206.
Stinner, Otto, Lichtenberg, near Berlin, Germany. Arrangement for transmitting forces. No. 1,277,501; Sept. 3; v. 254; p. 47.
Stinson, Charles H., Watertown, S. D. Clutch mechanism. No. 1,252,050; Jan. 1; v. 246; p. 179.
Stinson, Charles H., Watertown, S. D. Transmission mechanism. No. 1,274,467; Aug. 6; v. 253; p. 36.
Stinson, Edward B., Jr., Louisville, Ky. Wind-shield attachment. No. 1,258,163; Mar. 5; v. 248; p. 62.
Stinson, Guy D., Oxnard, Cal. Check-protector. No. 1,262,401; Apr. 9; v. 249; p. 427.
Stinson, Joseph W., Garden City, N. Y. Tire insulation. No. 1,285,454; Nov. 19; v. 256; p. 586.
Stippel, John H., St. Paul, Minn. Horse-collar. No. 1,259,055; Mar. 12; v. 248; p. 360.
Stippletone Company, The. (See Willberg, Onni, assignor.)
Stiriss, Jacob, Brooklyn, N. Y. Coin-controlled vending-machine. No. 1,273,013; July 16; v. 252; p. 695.
Stirling, Clarence C., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Snap-switch. No. 1,260,591; Mar. 26; v. 248; p. 867.
Stirling, Clarence C., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Switch. No. 1,261,456; Apr. 2; v. 249; p. 131.
Stirling, Clarence C., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric snap-switch. No. 1,267,603; May 28; v. 250; p. 843.
Stirling, Clarence C., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Snap-switch. No. 1,267,604; May 28; v. 250; p. 843.
Stirling, Clarence C., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,278,780; Sept. 10; v. 254; p. 417.
Stirling, Clarence C., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,278,781; Sept. 10; v. 254; p. 417.
Stirling, Robert, Dormans Park, England. Method and apparatus for controlling and pumping oil-wells. No. 1,279,783; Sept. 24; v. 254; p. 746.
Stitt, George W., and O. D. Bloom, Portland, Oreg. Tag-fastener. No. 1,288,265; Dec. 17; v. 257; p. 579.
Stitt, Herbert L. (See Miller and Brown, assignors.)
Stitzel, William D. (See Kohn and Stitzel.)
Stitzer, Charles E., Denver, Colo. Gravity-stabilizer for aeroplanes. No. 1,266,341; May 14; v. 250; p. 434.
Stivers, Jake M., and A. C. Enochs, assignors to The Right Way Cooker Company, Oklahoma, Okla. Frying apparatus. No. 1,271,796; July 9; v. 252; p. 323.

Stobie, William H., assignor to Hollingsworth & Whitney Company, Waterville, Me. Apparatus for disintegrating fibrous material. No. 1,263,139; Apr. 16; v. 249; p. 667.
Stobs, Thomas, Maywood, Ill. Safety attachment. No. 1,257,148; Feb. 19; v. 247; p. 671.
Stocchi, Emilio. (See Basil and Stocchi.)
Stocchi, Emilio. (See Monaco and Stocchi.)
Stock, Henry W. (See Lemp and Stock.)
Stock, Julius A., assignor to W. C. Richtie & Company, Chicago, Ill. Capping-machine. No. 1,272,559; July 16; v. 252; p. 565.
Stock Motorpflug Gesellschaft Mit Beschrankter Haftung. (See Gleiche, Carl, assignor.)
Stockberger, Louie G. (See Longanecker and Stockberger.)
Stockdale, Florence, Chicago, Ill. Skirt-marker. No. 1,254,945; Jan. 29; v. 246; p. 1129.
Stocke, Jacob, Jr., and M. J. Merrell, assignors to Progress Press Brick & Machine Company, St. Louis, Mo. Brick-surfacing machine. No. 1,259,158; Mar. 12; v. 248; p. 390.
Stocker, George, Los Angeles, Cal. Attachment for book-cases. No. 1,260,089; Mar. 19; v. 248; p. 688.
Stockhill, William. (See Coss and Stockhill.)
Stocking, Edgar B., deceased, Washington, D. C.; S. C. Stocking, executrix. Clothes-wringer. No. 1,252,311; Jan. 1; v. 246; p. 251.
Stocking, James M., Simsbury, Conn. Portable fire-extinguishing apparatus. No. 1,262,865; Apr. 16; v. 249; p. 587.
Stocking, Sarah C., executrix. (See Stocking, Edgar B.)
Stockinger, Rude, Manitowoc, Wis. Electric vibrator. No. 1,270,342; June 25; v. 251; p. 707.
Stockland Road Machinery Company. (See Enebo, Elias K., assignor.)
Stöcklin, Charles. (See Kohler and Stöcklin.)
Stockman, James S., South Shields, England. Buoyant garment. No. 1,267,140; May 21; v. 250; p. 689.
Stockman, James S., Brooklyn, N. Y. Means for chocking and starting life-boats, &c. No. 1,275,101; Aug. 6; v. 253; p. 215.
Stockov, Max, New York, N. Y. Apparel-hanger-supporting bracket for wardrobe-trunks. No. 1,285,455; Nov. 19; v. 256; p. 586.
Stocks, Harry B., Northenden, England. Apparatus for recording sounds photographically. No. 1,252,965; Jan. 8; v. 246; p. 474.
Stockstill, Claude B., Hugoton, Kans. Railway-crossing gate. No. 1,260,090; Mar. 19; v. 248; p. 688.
Stockstrom, Louis. (See Parpert, Boekenkamp, and Stockstrom.)
Stockton, Frank W., Chicago, Ill. Apparatus for preserving objects containing fluid under pressure. No. 1,276,987; Aug. 27; v. 253; p. 827.
Stockwell, Lora W., Los Angeles, Cal. Canopy. No. 1,281,691; Oct. 15; v. 255; p. 489.
Stoddard, Charles F., Boston, Mass. Musical instrument. No. 1,253,744; Jan. 15; v. 246; p. 732.
Stoddard, Charles F., Boston, Mass. Automatic musical instrument. No. 1,254,082; Jan. 22; v. 246; p. 848.
Stoddard, Charles F., Boston, Mass. Automatic musical instrument. No. 1,262,278; Apr. 9; v. 249; p. 392.
Stoddard, Charles F., Boston, Mass. Automatic musical instrument. No. 1,262,279; Apr. 9; v. 249; p. 393.
Stoddard, Charles F., Boston, Mass. Note-sheet for player-pianos and the like. No. 1,270,985; July 2; v. 252; p. 66.
Stoddard, Charles F., New York, N. Y. Note-sheet for automatic musical instruments. No. 1,257,042; Feb. 19; v. 247; p. 641.
Stoddard, Charles F., New York, N. Y. Perforated note-sheet for automatic musical instruments. No. 1,257,043; Feb. 19; v. 247; p. 642.
Stoddard, Charles F., New York, N. Y. Machine for perforating note-sheets. No. 1,280,578; Oct. 1; v. 255; p. 129.
Stoddard, Charles F., New York, N. Y. Automatic musical instrument. No. 1,282,137; Oct. 22; v. 255; p. 652.
Stoddard, Herman E., Springfield, Mass. Transmission mechanism. No. 1,257,760; Feb. 26; v. 247; p. 886.
Stoddard, James T., Portland, Oreg., assignor to Air Cooled Burner Company, Chehalis, Wash. Wood-refuse incinerator. (Reissue.) No. 14,524; Sept. 24; v. 254; p. 841.
Stoddard, Margaret H., Boston, Mass. Skirt-hanger. No. 1,262,280; Apr. 9; v. 249; p. 393.
Stoddard, Sarah, Oakland, Cal. Separate removable quilt-covering. No. 1,261,314; Apr. 2; v. 249; p. 92.
Stoddard, William B. (See Ekeley and Stoddard.)
Stoddard, William O., Jr., Madison, assignor to The Duratex Company, Newark, N. J. Imitation leather. No. 1,262,132; Apr. 9; v. 249; p. 351.
Stoddard, William O., Jr., Madison, assignor to The Duratex Company, Newark, N. J. Imitation leather. No. 1,262,133; Apr. 9; v. 249; p. 351.
Stoddart, John H., Jamestown, N. D. Lock mechanism. No. 1,251,591; Jan. 1; v. 246; p. 44.
Stoehr, Robert A., Cincinnati, Ohio. Means for laying flooring. No. 1,274,953; Aug. 6; v. 253; p. 174.
Stofer, Thurlow W., Jackson, Mich. Combination match-box and hanger. No. 1,279,478; Sept. 17; v. 254; p. 635.
Stoffel, Henry, Tulsa, Okla. Valve. No. 1,280,326; Oct. 1; v. 255; p. 60.
Stoffel, Martin, Ingleside, Ill. Insect-trap. No. 1,255,485; Feb. 5; v. 247; p. 107.
Stofflet, Howard A., Reading, Pa. Galvanic cell. No. 1,285,831; Nov. 26; v. 256; p. 721.
Stogbauer, Louis W., Birnamwood, Wis. Educational appliance. No. 1,264,449; Apr. 30; v. 249; p. 1080.
Stogner, William J., Hartsville, S. C. Brace for automobile understructures. No. 1,281,225; Oct. 8; v. 255; p. 333.
Stokes, Charles L., Los Angeles, Cal. Supplying fuel to internal-combustion engines, &c. No. 1,288,266; Dec. 17; v. 257; p. 580.
Stokes, Evert E., Indianapolis, Ind. Detachable broom-handle. No. 1,253,904; Jan. 15; v. 246; p. 777.
Stokes, Festus N. (See Bennett and Stokes.)
Stokes, Francis J., Philadelphia, Pa. Agitator-conveyer for driers and the like. No. 1,253,543; Jan. 15; v. 246; p. 674.
Stokes, Francis J., Philadelphia, Pa. Rotary tablet-machine. No. 1,289,570; Dec. 31; v. 257; p. 950.
Stokes, George A., Brooklyn, N. Y., and J. Menist, Matawan, N. J., assignors of one-third to E. D. Henderson, New York, N. Y. Machine for opening cans. No. 1,262,994; Apr. 16; v. 249; p. 624.
Stokes, Henry W. (See Baker, Webster E. B., assignor.)
Stokes, Henry W., Philadelphia, Pa. Surgical and like bandage. No. 1,262,281; Apr. 9; v. 249; p. 393.
Stokes, Henry W., Philadelphia, Pa. Moldable paper-board for closures, containers, and the like. No. 1,265,132; May 7; v. 250; p. 73.
Stokes, J. S. (See Novotny, Emil, assignor.)
Stokes, John S., Moorestown, N. J., assignor to Stokes & Smith Company, Summerdale, Pa. Stayed or tabbed box-covering blank. No. 1,273,420; July 23; v. 252; p. 830.
Stokes, John S., Moorestown, N. J., and H. G. Schwerdtle, Philadelphia, assignors to Stokes & Smith Company, Summerdale, Pa. Box-blank. No. 1,265,273; May 7; v. 250; p. 111.
Stokes & Smith Company. (See Burlton, Edward T., assignor.)
Stokes & Smith Company. (See Carlson, Walter C., assignor.)
Stokes & Smith Company. (See Novotny and Schwerdtle, assignors.)
Stokes & Smith Company. (See Reifsnyder, James D., assignor.)
Stokes & Smith Company. (See Reifsnyder and Weightman, assignors.)
Stokes & Smith Company. (See Reifsnyder, Weightman, and Rider, assignors.)
Stokes & Smith Company. (See Smith, Harry B., assignor.)
Stokes & Smith Company. (See Smith and Reifsnyder, assignors.)
Stokes & Smith Company. (See Stokes, John S., assignor.)
Stokes & Smith Company. (See Stokes and Schwerdtle, assignors.)
Stokes, William O., New York, N. Y. Carbureter. No. 1,289,300; Dec. 31; v. 257; p. 884.
Stokley, Cecil I. (See Andres, Edward M., assignor.)
Stolhane, Otto, and O. O. Kring, Ludvika, Sweden. Method and apparatus for distillation of liquids. No. 1,277,659; Sept. 3; v. 254; p. 91.
Stoll, Marea H., Beatrice, Nebr. Combined punch and button-set tool. No. 1,272,870; July 16; v. 252; p. 656.
Stollberg, Charles, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Incinerator. No. 1,279,033; Sept. 17; v. 254; p. 516.
Stollberg, Charles, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Fly-trap. No. 1,284,810; Nov. 12; v. 256; p. 383.
Stölle, Georg, Kiel, Germany. Apparatus for making metallic coatings. No. 1,262,134; Apr. 9; v. 249; p. 352.
Stolp, Samuel S., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,254,083; Jan. 22; v. 246; p. 848.
Stoltze, William H., St. Charles, Mo. Wagon-skid. No. 1,261,967; Apr. 9; v. 249; p. 307.
Stommel, Hugo, Red Bank, N. J. Tile-glazing machine. No. 1,259,925; Mar. 19; v. 248; p. 640.
Stommel, Hugo, Red Bank, N. J. Tile-coating apparatus. No. 1,268,891; June 11; v. 251; p. 250.
Stone, A. E., *et al.* (See Arthur, Roy L., assignor.)
Stone, Albert F., Montclair, N. J. Carton-case for collapsible tubes. No. 1,252,051; Jan. 1; v. 246; p. 180.
Stone, Andrew J., New London, and W. Shuker, Derby, Conn.; said Shuker assignor to said Stone. Non-recoil ordnance. No. 1,280,579; Oct. 1; v. 255; p. 129.
Stone, Ben M., Chicago, Ill. Traveling case or bag. No. 1,288,267; Dec. 17; v. 257; p. 580.
Stone, Berkley C., *et al.* (See Diehm, Lucius N., assignor.)
Stone & Company, J. (See Rohman, Harry D., assignor.)

Alphabetical list of patentees—Continued.

Stone & Company Limited, J. (See Parsons, William S., assignor.)
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. No. 1,271,382; July 2; v. 252; p. 176.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Drag-box. No. 1,283,351; Oct. 29; v. 255; p. 1008.
Stone & Forsyth Company. (See Soulée, William T., assignor.)
Stone, George H., deceased; M. J. Stone, administratrix, Colorado Springs, Colo. Internal-combustion engine. No. 1,258,959; Mar. 12; v. 248; p. 331.
Stone, Guy B., Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind. Ignition-controller. No. 1,288,736; Dec. 24; v. 257; p. 722.
Stone, Harry A., Philadelphia, Pa., assignor to Folding Utilities Corporation, New York, N. Y. Foldable or collapsible chair. No. 1,263,717; Apr. 23; v. 249; p. 844.
Stone, Isidore H., *et al.* (See De Tamble, Percy F., assignor.)
Stone, James, La Crosse, Wis. Collapsible table. No. 1,272,560; July 16; v. 252; p. 565.
Stone, James, La Crosse, Wis. Lap-board. No. 1,286,442; Dec. 3; v. 257; p. 64.
Stone, James C., Russellville, Ala. Excavating-tooth. No. 1,270,670; June 25; v. 251; p. 796.
Stone, John, Brooklyn, N. Y. Envelop-sealing machine. No. 1,266,342; May 14; v. 250; p. 435.
Stone, John H. (See Markham, Charles F., assignor.)
Stone, John N., Gowanda, N. Y. Knockdown sheet-metal locker. No. 1,268,509; June 4; v. 251; p. 125.
Stone, Joseph. (See Smolowich and Stone.)
Stone, Joseph H., Los Angeles, Cal. Spring. No. 1,259,159; Mar. 12; v. 248; p. 390.
Stone, Joseph H., Escondido, Cal. Spring construction. No. 1,277,663; Sept. 3; v. 254; p. 92.
Stone, Julius F. (See Jones and Miller, assignors.)
Stone, Lonnie B., Louisville, Ky. Telephone-transmitter. No. 1,263,140; Apr. 16; v. 249; p. 667.
Stone, Mary H., administratrix. (See Stone, George H.)
Stone, Nathan M., Chicago, Ill. Support for mirror-frames and the like. No. 1,262,712; Apr. 16; v. 249; p. 543.
Stone, Rockwell L. (See Stange and Bannan, assignors.)
Stone, Stanley M. (See Roby, Edward B., assignor.)
Stone Straw Company, The. (See Carper, Albert A., assignor.)
Stone Straw Company, The. (See Casey, Frank, assignor.)
Stone Straw Company, The. (See Maltby, Lewis C., assignor.)
Stone, Vincent, Chicago, Ill., assignor to Marshall Field & Company. Fastening device for ribbon-bows or the like. No. 1,255,348; Feb. 5; v. 247; p. 67.
Stone, Walter F. (See Barrett and Stone.)
Stone, William E., *et al.*, trustees. (See Sommer, William H., assignor.)
Stone, William R. (See Grogan, Edward W., assignor.)
Stonebridge, Charles H., New York, N. Y. Blanket-roll. No. 1,281,692; Oct. 15; v. 255; p. 489.
Stonebridge, Charles H., New York, N. Y. Sleeping-bag. No. 1,281,693; Oct. 15; v. 255; p. 489.
Stoner, George H., East Boston, and E. L. Gilson, Roslindale, Mass. Shock-absorber. No. 1,279,034; Sept. 17; v. 254; p. 516.
Stoner, Harvey H. (See Stoner, Willis D., assignor.)
Stoner, Willis D., assignor of one-half to H. H. Stoner, Springfield, Ohio. Antiskid-chain for tires. No. 1,278,782; Sept. 10; v. 254; p. 417.
Stoner, Willis D., assignor of one-half to H. H. Stoner, Springfield, Ohio. Fastening device for tire-protectors, &c. No. 1,278,783; Sept. 10; v. 254; p. 417.
Stones, Reginald V., Altrincham, England. Fountain-pen clip. No. 1,287,131; Dec. 10; v. 257; p. 268.
Stoney, Irving L., and A. B. Bowman, Alma, Mich. Double-drive gear set. No. 1,285,456; Nov. 19; v. 256; p. 587.
Stoney, John T., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Roll-over mechanism for molding-machines. No. 1,283,352; Oct. 29; v. 255; p. 1008.
Stoopes, Pierce C., Wilmington, Del., assignor to W. N. Best Smoke Consuming Co., New York, N. Y. Smoke-consumer. No. 1,281,694; Oct. 15; v. 255; p. 490.
Stoorman, Max, New York, N. Y. Rotary tooth-brush. No. 1,270,233; June 18; v. 251; p. 649.
Stöpler, Hans, and J. Nord, Utrecht, Netherlands. Compression apparatus for stopping blood circulation. No. 1,279,784; Sept. 24; v. 254; p. 746.
Stoppani, Ermenegildo, Bologna, and V. Volpato, Milan, Italy. New soluble and assimilable phosphate manure and making it. No. 1,267,473; May 28; v. 250; p. 806.
Storch, George W., Appleton, Wis. Carbureter. No. 1,272,561; July 16; v. 252; p. 566.
Storck, John C. (See Anderson, Andrew, assignor.)
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive. No. 1,252,052; Jan. 1; v. 246; p. 180.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,255,486; Feb. 5; v. 247; p. 107.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,255,487; Feb. 5; v. 247; p. 107.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,256,842; Feb. 19; v. 247; p. 582.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric locomotive. No. 1,267,930; May 28; v. 250; p. 936.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive. No. 1,280,098; Sept. 24; v. 254; p. 834.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,283,353; Oct. 29; v. 255; p. 1008.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,289,301; Dec. 31; v. 257; p. 884.
Storer, Robert M., St. Louis, Mo. Piano-truck. No. 1,285,457; Nov. 19; v. 256; p. 587.
Storer, Simon B., Syracuse, N. Y. Mail-distributing system. No. 1,261,968; Apr. 9; v. 249; p. 307.
Storey, Isaac H. (See Kitchen, John G. A., assignor.)
Storie, James, Edinburgh, Scotland. Apparatus for raising and lowering ships' boats. No. 1,271,237; July 2; v. 252; p. 137.
Storjohann, Henry, Garwin, Iowa. Hog-oiler. No. 1,270,234; June 18; v. 251; p. 649.
Stork, Lawrence, Walsh, Ill. Internal-combustion engine. No. 1,264,708; Apr. 30; v. 249; p. 1151.
Storle Engine Company, The. (See Storle, Ole O., assignor.)
Storle, Ole O., Tacoma, Wash., assignor to The Storle Engine Company, Kewaunee, Wis. Internal-combustion engine. No. 1,275,494; Aug. 13; v. 253; p. 347.
Storm, Edward G., assignor of one-half to S. M. Storm, Lebanon, Ind. Farm-tractor. No. 1,279,479; Sept. 17; v. 254; p. 635.
Storm, J. C. (See Mayer, Edward R., assignor.)
Storm, James M., Jr., New Haven, Wyo. Tombstone. No. 1,274,809; Aug. 6; v. 253; p. 133.
Storm, Samuel M. (See Storm, Edward G., assignor.)
Storrie, William, Providence, R. I., assignor to The K-W. Ignition Company, Cleveland, Ohio. Shock-absorber. No. 1,279,035; Sept. 17; v. 254; p. 516.
Stortz Gear Shift Company. (See Stortz, John H., assignor.)
Stortz, John H., Philadelphia, Pa., assignor to Stortz Gear Shift Company, Wilmington, Del. Speed-selecting indicator. No. 1,253,745; Jan. 15; v. 246; p. 732.
Storud, Arnold, Farm Park River, N. D. Bob-sled. No. 1,272,562; July 16; v. 252; p. 566.
Storvick, Ingvald M., assignor to F. Van Duyne, St. Paul, Minn. Corner-joint for knockdown show-cases and other structures. No. 1,282,719; Oct. 22; v. 255; p. 809.
Story, Frank, Seattle, Wash. Device for cleaning pipes. No. 1,274,103; July 30; v. 252; p. 1054.
Story, Nelson, Jr., Bozeman, Mont. Road-grader. No. 1,255,488; Feb. 5; v. 247; p. 108.
Story, Ward B., Brooklyn, assignor to Ward B. Story Company, Inc., New York, N. Y. Delivery mechanism for printing-presses. No. 1,252,856; Jan. 8; v. 246; p. 441.
Story, Ward B., Brooklyn, assignor to Ward B. Story Company, Inc., New York, N. Y. Sheet-piler. No. 1,252,857; Jan. 8; v. 246; p. 441.
Story, Ward B., New York, N. Y., assignor to American Assembling Machine Company. Assembling-machine. No. 1,258,720; Mar. 12; v. 248; p. 263.
Story, Ward B., New York, N. Y., assignor to American Assembling Machine Company. Automatic stopping device. No. 1,261,867; Apr. 9; v. 249; p. 279.
Stösser, Emil E., Idaho Falls, Idaho, assignor of one-half to C. Wehnert, Lakewood, Ohio. Life-preserver. No. 1,257,044; Feb. 19; v. 247; p. 642.
Stotler, Frank W., Wilkinsburg, Pa. Game. No. 1,257,045; Feb. 19; v. 247; p. 642.
Stott, Oswald, Birmingham, England. Rotary fan. No. 1,261,457; Apr. 2; v. 249; p. 131.
Stoudenmire, Lawrence C. (See Carper, Albert A., assignor.)
Stouff, Doris, Eau Galle, Wis. Garment-hanger. No. 1,284,811; Nov. 12; v. 256; p. 383.
Stough, Samuel M. (See Larick and Stough.)
Stoughton, Frederick S., Worcester, Mass. Apparatus for cutting metal strips. No. 1,256,608; Feb. 19; v. 247; p. 514.
Stourm, John P., New York, N. Y. Egg-holder. No. 1,278,248; Sept. 10; v. 254; p. 275.
Stout, Charles H., assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,254,741; Jan. 29; v. 246; p. 1068.
Stout, Charles H., assignor to Crown Optical Company, Rochester, N. Y. View-finder for cameras. No. 1,261,643; Apr. 2; v. 249; p. 185.
Stout, Edward, Brighton, Iowa. Hoist. No. 1,276,281; Aug. 20; v. 253; p. 598.
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Stout, Frank F. (See Stout, Wilson D. and F. F.)

Stout, Harry H., assignor to Nicholas Copper Company, New York, N. Y. Totally-submerged electrode. No. 1,267,141; May 21; v. 250; p. 689.
Stout, Henry J., Philadelphia, Pa. Ventilator. No. 1,254,445; Jan. 22; v. 246; p. 952.
Stout, James E. (See Bair and Stout.)
Stout, Wilfred O., St. Paul, Minn. Electric steering device for automobiles. No. 1,281,428; Oct. 15; v. 255; p. 421.
Stout, William H., Baltimore Md. Wind-shield cleaner and signal for automobiles. No. 1,254,289; Jan. 22; v. 246; p. 908.
Stout, Wilson D. and F. F., Los Angeles, Cal. Direction-signal for motor-vehicles. No. 1,270,563; June 25; v. 251; p. 768.
Stoute, Richard A., Branksmere, Barbados, British West Indies. Shaft-tip. No. 1,268,405; June 4; v. 251; p. 96.
Stover, Henry. (See Magerkurth, Charles, assignor.)
Stover, Jordan H., Trenton, N. J. Treating silicious minerals for the production of chemical compounds. No. 1,283,951; Nov. 5; v. 256; p. 135.
Stover, Ulysses G., Waynesboro, Pa. Fruit-drier. No. 1,276,988; Aug. 27; v. 253; p. 827.
Stover, Ulysses G., Waynesboro, Pa. Evaporator. No. 1,285,832; Nov. 26; v. 256; p. 721.
Stowe, Charles B., Lakewood, Ohio. Refractory material and making same. No. 1,265,545; May 7; v. 250; p. 183.
Stowe, Floyd D., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Turret-press. No. 1,261,868; Apr. 9; v. 249; p. 280.
Stowe, Floyd D., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Slide-former machine. No. 1,271,797; July 9; v. 252; p. 324.
Stowe, Floyd D., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Head-forming machine. No. 1,271,798; July 9; v. 252; p. 324.
Stowe, Floyd D., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Bung-press. No. 1,274,268; July 30; v. 252; p. 1084.
Stowe, George, New York, N. Y., and G. E. Molyneux, Bayonne, N. J., assignors of one-third to R. M. Owen. Combination lamp and horn. No. 1,259,312; Mar. 12; v. 248; p. 431.
Stowe, George, New York, N. Y., and G. E. Molyneux, Bayonne, N. J., assignors of one-third to R. M. Owen. Combination lamp and horn. No. 1,271,097; July 2; v. 252; p. 96.
Stowe, John F., Lincoln, Nebr. Automobile starting mechanism. No. 1,267,605; May 28; v. 250; p. 843.
Stowell, Desrie A., Gardner, A. C. Smith, Pittsfield, Mass., and E. H. Cosgrove, New Haven, Conn., assignors to Simplex Time Recorder Co., Gardner, Mass. Type-wheel mechanism. No. 1,264,220; Apr. 30; v. 249; p. 1017.
Stowell, Frank C., Medford, Mass. Ventilator. No. 1,271,238; July 2; v. 252; p. 137.
Stowell, Samuel N., Rexburg, Idaho. Autosled. No. 1,258,496; Mar. 5; v. 248; p. 159.
Stowers, Jessie A. and J. Bazant, New York, N. Y. Arm-support. No. 1,267,142; May 21; v. 250; p. 689.
Strachan, Blanche M., Montreal, Quebec, Canada. Veil. No. 1,263,958; Apr. 23; v. 249; p. 911.
Strachan, Douglas H. (See Fosberg and Strachan.)
Strachan, James F., *et al.* (See Chidlow, David, assignor.)
Strachan, William S., *et al.* (See Chidlow, David, assignor.)
Strack, Henry C., Owego, N. Y. Garden-tool. No. 1,252,627; Jan. 8; v. 246; p. 377.
Strack, Otto. (See Pfoser and Strack.)
Strada, Charles. (See Haas and Strada.)
Strade, August E., New York, N. Y. Game apparatus. No. 1,281,093; Oct. 8; v. 255; p. 296.
Strahan, Hendricks P. (See Strahan, Samuel P., assignor.)
Strahan, Samuel P., assignor to H. P. Strahan, Kansas City, Mo. Anvil attachment. No. 1,289,951; Dec. 31; v. 257; p. 1044.
Strahlem, William L., Middle Point, Ohio. Traveling crane. No. 1,262,866; Apr. 16; v. 249; p. 587.
Straight, Bennett D., assignor, by mesne assignments, to Butter Serving Machine Company, Inc., Rochester, N. Y. Dispensing apparatus. No. 1,263,815; Apr. 23; v. 249; p. 870.
Straight, Bennett D., assignor, by mesne assignments, to Butter Serving Machine Company, Inc., Rochester, N. Y. Butter-server. No. 1,268,510; June 4; v. 251; p. 125.
Straight, Halver R., Adel, Iowa. Kiln. No. 1,263,620; Apr. 23; v. 249; p. 819.
Straight, Willard, assignor to L. D. Froelick, New York, N. Y. Game. No. 1,281,094; Oct. 8; v. 255; p. 296.
Strait, Claude A., St. Paul, Minn. Stump-puller. No. 1,284,812; Nov. 12; v. 256; p. 383.
Strait, William, Appleton, Wis. Traction-machine. No. 1,254,446; Jan. 22; v. 246; p. 952.
Straitz, John F. (See Kinney and Straitz.)
Straka, John, Chicago, Ill. Billiard-cue. No. 1,257,420; Feb. 26; v. 247; p. 784.
Straker-Squire Limited. (See North, Oliver D., assignor.)
Straley, John A., assignor of one-half to E. S. Worral, Toledo, Ohio. Collapsible egg-crate. No. 1,286,828; Dec. 3; v. 257; p. 153.
Strand, Andrew, Minneapolis, Minn. Motor-cycle frame. No. 1,257,761; Feb. 26; v. 247; p. 887.
Strand, Andrew, Minneapolis, Minn. Oil-pump. No. 1,279,480; Sept. 17; v. 254; p. 635.
Strand, John P., St. Paul, Minn. Combination coat and trouser hanger. No. 1,278,054; Sept. 3; v. 254; p. 197.
Strand, John P., St. Paul, Minn. Convertible chair and couch. No. 1,287,789; Dec. 17; v. 257; p. 463.
Strand, Karl S., New York, N. Y. Match-box. No. 1,281,870; Oct. 15; v. 255; p. 539.
Stranders, Julien, Brooklyn, assignor to Atlantic Lithographic and Printing Company, New York, N. Y. Display-container. No. 1,256,609; Feb. 19; v. 247; p. 514.
Strandlund, Carl G., assignor to Deere and Company, Moline, Ill. Wheeled plow. No. 1,262,995; Apr. 16; v. 249; p. 624.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Planting mechanism. No. 1,286,443; Dec. 3; v. 257; p. 64.
Strane, Archibald J., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Fuse-igniting device. No. 1,267,474; May 28; v. 250; p. 806.
Strang, Cassius C., Alexandria, Minn. Fishing-reel. No. 1,256,389; Feb. 12; v. 247; p. 415.
Strang, Walter C., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Electric-motor control. No. 1,261,644; Apr. 2; v. 249; p. 185.
Strang, Walter C., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Motor control. No. 1,264,992; May 7; v. 250; p. 33.
Strange, Calvin C. (See Uhrig and Strange.)
Strange, George H. (See Welch and Strange.)
Stransky, John A., Pukwana, S. D. Air-mixing device. No. 1,264,221; Apr. 30; v. 249; p. 1017.
Strasburger, Frank C. H., Chicago, Ill., assignor to W. Horlick, Jr., Racine, Wis. Dispenser. No. 1,282,310; Oct. 22; v. 255; p. 698.
Strassmann, Paul G., Crefeld-Linn-on-the-Rhine, Germany. Furnace for production of illuminating-gas. No. 1,285,833; Nov. 26; v. 256; p. 721.
Strater, Theodore G. (See Barnes, Charles E., assignor.)
Strattan, Ralph T., Altoona, Pa. Generator mounting and drive for railway-cars. No. 1,289,013; Dec. 24; v. 257; p. 788.
Stratton, Harry F., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Resistance unit. No. 1,275,785; Aug. 13; v. 253; p. 429.
Stratton, Jesse, Lexington, Ky. Mail-bag catching and delivering apparatus. No. 1,252,053; Jan. 1; v. 246; p. 180.
Stratton, John F. O. (See Evans, Ronald K., assignor.)
Stratton, John F. O., Chicago, Ill. Removable condenser unit for magnetos. No. 1,287,790; Dec. 17; v. 257; p. 463.
Stratton, Wilfred R. (See Taylor, Bliss P., assignor.)
Straub, Edward G., Beaver Falls, Pa. Pipe-polishing machine. No. 1,256,276; Feb. 12; v. 247; p. 381.
Straub, Eli S., Los Angeles, Cal. Door opener and closer. No. 1,251,833; Jan. 1; v. 246; p. 119.
Straub, Elmer E. (See Yoder and Hagerty, assignors.)
Straub, Joseph E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,270,986; July 2; v. 252; p. 67.
Straub, Louis, Denver, Colo. Towel-rack. No. 1,281,695; Oct. 15; v. 255; p. 490.
Straub, Walter B., Pottsville, assignor of one-half to F. C. Yingst, Port Carbon, Pa. Union garment. No. 1,278,249; Sept. 10; v. 254; p. 275.
Straub, William F., assignor to Electric Time Recorder Company, Chicago, Ill. Indicator system. No. 1,258,497; Mar. 5; v. 248; p. 159.
Straubel, Louis A., Green Bay, Wis. Machine for interfolding and counting paper toweling and the like. No. 1,253,644; Jan. 15; v. 246; p. 703.
Strauch, Benjamin, Baltimore, Md. Marine propulsion. No. 1,272,141; July 9; v. 252; p. 424.
Straus, Alexander L., Baltimore, Md. Non-alcoholic beverage. No. 1,265,274; May 7; v. 250; p. 111.
Straus, Alexander L., assignor to Baltimore Process Company, Baltimore, Md. Non-alcoholic beverage and producing the same. No. 1,265,275; May 7; v. 250; p. 111.
Straus, Alexander L., assignor to Baltimore Process Company, Baltimore, Md. Distilling apparatus. No. 1,267,709; May 28; v. 250; p. 872.
Straus, Samuel, New York, N. Y. Pull-socket for electric lamps. No. 1,253,296; Jan. 15; v. 246; p. 601.
Strause Gas Iron Co. (See Spahr, and Stichler, assignors.) (Reissue.)
Strauss, Albert A. (See Benjamins, Israel, assignor.)
Strauss, Ferdinand. (See Ahern, Frank T., assignor.)
Strauss, Ferdinand. (See Carter, Charles E., assignor.)
Strauss, Ferdinand. (See Schanschieff, Alexander N., assignor.)
Strauss, Frederick, *et al.* (See Cohen, Meyer D., assignor.)
Strauss, Gustavus E. (See Dolphin, Marcelean, assignor.)
Strauss, Herbert R., Cleveland Heights, assignor to The Aranar Company, Cleveland, Ohio. Making hollow rubber articles. No. 1,263,141; Apr. 16; v. 249; p. 667.

Strauss, Joseph B., Chicago, Ill. Suspension lift-bridge. No. 1,269,976; June 18; v. 251; p. 581.
Strauss, Louis, Brooklyn, N. Y. Garment. No. 1,252,054; Jan. 1; v. 246; p. 181.
Strayer, Harvey F., Los Angeles, Cal. Necktie-fastener. No. 1,252,858; Jan. 8; v. 246; p. 442.
Streeper, Harry C., Bristol, Pa. Inclosure for boilers and heaters. No. 1,262,713; Apr. 16; v. 249; p. 543.
Street, Elmer O., Cave City, Ark. Adjustable swing-rod. No. 1,271,383; July 2; v. 252; p. 176.
Street, Samuel C., and P. W. Sirett, assignors of one-half to W. Allchin, Limited, Northampton, England. Demountable wheel. No. 1,260,249; Mar. 19; v. 248; p. 732.
Street, Wade L., assignor to J. Livingston, Chicago, Ill. Bottle-washing machine. No. 1,288,737; Dec. 24; v. 257; p. 722.
Streever, William H., Portsmouth, Va. Lamp attachment. No. 1,282,488; Oct. 22; v. 255; p. 746.
Streich, Frank, assignor to The Union Wrapping Machine Company, Joliet, Ill. Dough-scaling machine. No. 1,278,517; Sept. 10; v. 254; p. 346.
Streit, Carl F., Cincinnati, Ohio. Bed corner-iron. No. 1,269,977; June 18; v. 251; p. 581.
Streit, Valentine, Alvord, Iowa. Invalid-lifter. No. 1,252,859; Jan. 8; v. 246; p. 442.
Strelow, Henry. (See Pepper and Strelow.)
Streng, Einar. (See Anderson and Streng.)
Strens, Emilio de Gazzada, Italy. Steam-boiler. No. 1,268,549; June 4; v. 251; p. 136.
Streun, John A., Bowie, Tex. Apparatus for cleaning cotton. No. 1,256,742; Feb. 19; v. 247; p. 552.
Streun, John A., Bowie, Tex. Boll breaker and cleaner. No. 1,256,743; Feb. 19; v. 247; p. 553.
Strevy, Fred C., and E. D. Miller, Penawawa, Wash. Button-hook. No. 1,287,132; Dec. 10; v. 257; p. 269.
Strick, John H., and J. P. Rees, Neath, South Wales. Machine for cleaning and branning tin plates and terne plates. No. 1,252,055; Jan. 1; v. 246; p. 181.
Strickland, William H., Bristol, Va. Saw-set. No. 1,265,277; May 7; v. 250; p. 112.
Strickland, William R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Radiator-support. No. 1,251,834; Jan. 1; v. 246; p. 119.
Strickland, William R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Wind-shield construction. No. 1,258,057; Mar. 5; v. 248; p. 32.
Strickland, William R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Piston-ring. No. 1,287,133; Dec. 10; v. 257; p. 269.
Strid, Sven J., Chicago Heights, Ill. Convertible furniture. No. 1,279,606; Sept. 24; v. 254; p. 695.
Strimple, Pierce J., Cleves, assignor of one-half to S. Struble, Cincinnati, Ohio. Dirigible headlight. No. 1,281,226; Oct. 8; v. 255; p. 333.
Strine, John E., Waynesboro, Pa. Clutch mechanism. No. 1,280,327; Oct. 1; v. 255; p. 60.
String, Benjamin T., Norwood, assignor to The Belto Manufacturing Company, Cincinnati, Ohio. Belting and method of making the same. No. 1,279,036; Sept. 17; v. 254; p. 516.
String, Joseph S., East Orange, N. J. Service tap-valve for gas-mains. No. 1,268,511; June 4; v. 251; p. 125.
Stringer, Joe J., Honey Grove, Tex. Meat-scale. No. 1,288,268; Dec. 17; v. 257; p. 580.
Stringer, Willis C. (See Hyatt, William P., assignor.)
Stringes, Ernest J., Chicago, Ill. Railway-rail. No. 1,269,657; June 18; v. 251; p. 494.
Stripe, William C. (See Moore, Harvey L., assignor.)
Stritter, Otto. (See Herrmann and Stritter.)
Strnad, Charlie F., Narka, Kans. Foldable extension-feeder for threshing-machines. No. 1,280,099; Sept. 24; v. 254; p. 834.
Ströbeck, Frans T., Beachmont, Mass., assignor to The Singer Manufacturing Company. Machine for stitching tape to innersoles. No. 1,265,399; May 7; v. 250; p. 145.
Strobhart, Helen E., Chicago, Ill. Dish-mop. No. 1,266,878; May 21; v. 250; p. 613.
Strobl, Alexander, New York, N. Y. Solidified alcohol. No. 1,277,149; Aug. 27; v. 253; p. 872.
Strobl, Alexander, New York, N. Y., assignor to S. Sternau & Company, Inc. Solid alcohol and producing same. No. 1,266,080; May 14; v. 250; p. 363.
Strobl, Alexander, New York, N. Y., assignor to S. Sternau & Company, Inc. Solid-alcohol burner. No. 1,267,475; May 28; v. 250; p. 806.
Strobl, Frank. (See Sebring and Strobl.)
Strobot, John J., assignor to Fidelity Brass Manufacturing Company, Chicago, Ill. Cutting-torch. No. 1,281,871; Oct. 15; v. 255; p. 539.
Strock, Albert B., Oakland, Cal. Telephone attachment. No. 1,263,481; Apr. 23; v. 249; p. 781.
Strodel, Frank A., Syracuse, N. Y. Drawing-board holder. No. 1,282,489; Oct. 22; v. 255; p. 746.
Stroebe, Ernest C., assignor to The Berger Manufacturing Company, Canton, Ohio. Reinforcing-plate. No. 1,287,507; Dec. 10; v. 257; p. 360.
Stroeh, Ernest F., W. F. Potts, Kansas City, Mo., and C. E. Trimby, Kansas City, Kans.; said Potts and said Trimby assignors to said Stroeh. Automobile-locking device. No. 1,280,896; Oct. 8; v. 255; p. 243.

Strohacker, Edward. (See Strohacker, Louis, and E.)
Strohacker, Edward, assignor to Structo Manufacturing Company, Freeport, Ill. Commutator for electric motors. No. 1,289,014; Dec. 24; v. 257; p. 788.
Strohacker, Louis, and E., Freeport, Ill. Wire-driving tool. No. 1,264,993; May 7; v. 250; p. 34.
Strohm, William H. (See Grainger and Strohm.)
Stroll, Rudolph, Washington, D. C. Bath-tub seat. No. 1,271,384; July 2; v. 252; p. 177.
Strom, Eugene N., assignor to Pettibone, Mulliken Company, Chicago, Ill. Switch-stand. No. 1,277,150; Aug. 27; v. 253; p. 872.
Strom, Walter H., Oak Park, Ill. Annular ball-bearing. No. 1,288,269; Dec. 17; v. 257; p. 581.
Stromberg-Carlson Telephone Manufacturing Company. (See Dean, William W., assignor.)
Stromberg-Carlson Telephone Manufacturing Company. (See Reinke, Eugene A., assignor.)
Stromberg-Carlson Telephone Mfg. Co. (See Slough, Frank M., assignor.)
Stromberg Electric Company. See Crook, Charles M., assignor.)
Stromberg Motor Devices Company. (See Frey, Herbert H., assignor.)
Stromberg Motor Devices Company. (See Gustafson and Mock, assignors.)
Stromberg Motor Devices Company. (See Kuebler, Adolph W., assignor.)
Stromberg Motor Devices Company. (See Livingston, D McRa, assignor.) (Reissue.)
Strominger, Earl, Stockton, Cal. Fire-plug. No. 1,287,508; Dec. 10; v. 257; p. 360.
Strommer, Sigfrid. (See Wilhelm and Strommer.)
Strong, Albert W. (See Morris, Fulton R., assignor.)
Strong, Harry U., Philadelphia, Pa. Photographic-printing machine. No. 1,261,177; Apr. 2; v. 249; p. 52.
Strong, Sutton, assignor to O. E. King & Company, Indianapolis, Ind. Copyist's line-guide. No. 1,253,905; Jan. 15; v. 246; p. 778.
Strong, William J. H. (See Freeland, Lloyd D., assignor.)
Strong, William W., Mechanicsburg, Pa. Method and mechanism for reducing resistance of air-gaps. No. 1,261,178; Apr. 2; v. 249; p. 53.
Strong, William W., Pittsburgh, and A. F. Nesbit, Wilkinsburg, assignors to R. B. Mellon, Pittsburgh, Pa. Apparatus for rectifying high-potential alternating and oscillating currents and electromotive forces. No. 1,259,160; Mar. 12; v. 248; p. 391.
Stronghart Company. (See Kusel, Isidor J., assignor.)
Stronghart Company. (See Mahren, Martin V., assignor.)
Strosacker, Charles J., assignor to The Dow Chemical Company, Midland, Mich. Fire-extinguishing compound. No. 1,261,067; Apr. 2; v. 249; p. 22.
Stroud, Harold D., assignor to Automatic Electric Company, Chicago, Ill. Telephone meter-service system. No. 1,254,290; Jan. 22; v. 246; p. 908.
Stroud, Harold D., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone-exchange system. No. 1,288,454; Dec. 17; v. 257; p. 624.
Stroud, John B., Pass Christian, Miss. Fluid-controlled switch-operating mechanism. No. 1,270,987; July 2; v. 252; p. 67.
Stroud, John B., Pass Christian, Miss. Gun-shield. No. 1,279,930; Sept. 24; v. 254; p. 789.
Stroud, William. (See Barr and Stroud.)
Stroup, Charles H., Johnstown, Pa. Mixer. No. 2,161,739; Apr. 2; v. 249; p. 210.
Strout, Harvey C., assignor to Traffic Sign & Signal Company, Gloucester, Mass. Traffic-sign. No. 1,254,862; Jan. 29; v. 246; p. 1106.
Strowger Automatic Telephone Exchange, The. (See Keith and Erickson, assignors.)
Strozier, H. N. (See Williams, French B., assignor.)
Strozier, Webster G., Washington, D. C. Mechanical movement. No. 1,286,829; Dec. 3; v. 257; p. 153.
Struble, Henrietta M., Geneseo, N. Y. Manicuring instrument. No. 1,289,952; Dec. 31; v. 257; p. 1044.
Struble, Stanley. (See Strimple, Pierce J., assignor.)
Struck, Leonard J., and J. O. Dean, Rochester, N. Y. Trimming attachment for apple-paring machines. No. 1,276,131; Aug. 20; v. 253; p. 557.
Structo Manufacturing Company. (See Strohacker, Edward, assignor.)
Structural Pressed Steel Wheel Company. (See Lachman, Maurice, assignor.)
Strunge, Arthur, Omaha, Nebr. Direction-indicator for vehicles. No. 1,282,975; Oct. 29; v. 255; p. 909.
Strunk, Joseph B., Mill Hall, Pa. Self-draining joint for silo-staves. No. 1,285,458; Nov. 19; v. 256; p. 587.
Strutt, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Brush-raising device. No. 1,251,835; Jan. 1; v. 246; p. 120.
Struve, Johann E. C., Hamburg, Germany. Metal-filament lamp. No. 1,260,729; Mar. 26; v. 248; p. 907.
Struve, John H., assignor to Water Arch Furnace Co., Chicago, Ill. Sectional grate for furnaces. No. 1,283,952; Nov. 5; v. 256; p. 135.
Stryker, George B., assignor to Kwick-Bath Manufacturing Corporation, Wilson, N. C. Bath-cabinet. No. 1,277,502; Sept. 3; v. 254; p. 48.
Stuart, Alexander T. (See Clark and Stuart.)

Stuart, Alexander T., assignor to The Toronto Power Company Limited, Toronto, Ontario, Canada. Electrode. No. 1,269,128; June 11; v. 251; p. 315.
Stuart, Charles J., Somerville, Mass., assignor to American Rubber Company. Device for controlling variations in various mediums. No. 1,258,164; Mar. 5; v. 248; p. 63.
Stuart, Charles T., *et al.* (See Wadsworth, Adna A., Jr., assignor.)
Stuart, Edwards B., Chicago, Ill. Vehicle for garbage. No. 1,258,377; Mar. 5; v. 248; p. 124.
Stuart, Francis L., Baltimore, Md. Conveying and loading apparatus. No. 1,261,179; Apr. 2; v. 249; p. 53.
Stuart, Francis L., Baltimore, Md. Apparatus for loading and unloading. No. 1,270,896; July 2; v. 252; p. 40.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Unloading and conveying apparatus. No. 1,271,385; July 2; v. 252; p. 177.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Reclaiming and conveying apparatus. No. 1,271,493; July 2; v. 252; p. 206.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Scraper-plow reclaiming apparatus. No. 1,271,627; July 9; v. 252; p. 277.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Loading apparatus. No. 1,271,628; July 9; v. 252; p. 278.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Reclaiming apparatus. No. 1,272,563; July 16; v. 252; p. 566.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Reclaiming and elevating apparatus. No. 1,272,564; July 16; v. 252; p. 567.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Storing and reclaiming apparatus. No. 1,275,319; Aug. 13; v. 253; p. 300.
Stuart, Francis L., Washington, D. C., assignor to International Conveyor Corporation, New York, N. Y. Conveyer. No. 1,278,055; Sept. 3; v. 254; p. 197.
Stuart, George J., assignor to The Pittsburgh Valve Foundry and Construction Company, Pittsburgh, Pa. Non-return valve. No. 1,278,250; Sept. 10; v. 254; p. 275.
Stuart, Harry G., Paterson, N. J. Ohmmeter. No. 1,275,786; Aug. 13; v. 253; p. 429.
Stuart, Harve R., Springfield, Ohio. Power-transmitting mechanism. No. 1,288,270; Dec. 17; v. 257; p. 581.
Stuart, Henry J., Derby, assignor to Robert N. Bassett Company, Shelton, Conn. Hose-supporter clasp. No. 1,283,953; Nov. 5; v. 256; p. 135.
Stuart, Henry J., Derby, assignor to Robert N. Bassett Company, Shelton, Conn. Button-clasp. No. 1,283,954; Nov. 5; v. 256; p. 135.
Stuart, Henry J., Derby, assignor to Robert N. Bassett Company, Shelton, Conn. Button-clasp. No. 1,283,955; Nov. 5; v. 256; p. 136.
Stuart, John, St. Kilda, Melbourne, Victoria, Australia. Resilient wheel. No. 1,266,343; May 14; v. 250; p. 435.
Stuart, John A., Jacksonville, Fla. Coin-controlled turnstile-lock. No. 1,279,931; Sept. 24; v. 254; p. 789.
Stuart, John L., Oakland, assignor to Stuart Machine Co., San Francisco, Cal. Combined folding sleeping-cot, automobile-cot, and litter. No. 1,264,574; Apr. 30; v. 249; p. 1115.
Stuart, Kenneth E., Philadelphia, Pa. Electric-railway system. No. 1,265,829; May 14; v. 250; p. 292.
Stuart, Lawrence W., Orchard, Iowa. Attachment for corn-planters. No. 1,274,954; Aug. 6; v. 253; p. 174.
Stuart Machine Co. (See Stuart, John L., assignor.)
Stuart, Robert J., Detroit, Mich. Vegetable gatherer and loader. No. 1,256,390; Feb. 12; v. 247; p. 415.
Stuart, Tracy C. (See Slater and Stuart.)
Stubbe, William J. (See Garlock and Stubbe.)
Stubblebine, William H., Allentown, Pa. Recuperator-furnace. No. 1,279,932; Sept. 24; v. 254; p. 789.
Stubblefield, Bernard B., Boston, assignor of one-eighth to M. C. Condit, North Stoughton, Mass. Engine-primer. No. 1,260,091; Mar. 19; v. 248; p. 688.
Stubblefield, J. M., *et al.* (See Monteith, Thurman H., assignor.)
Stubbs, Addison W., Kansas City, Kans., and W. J. Hogue, Kansas City, Mo. Universal reamer for oil-wells. No. 1,282,976; Oct. 29; v. 255; p. 909.
Stubbs, Everard, Springfield, Vt. Micrometer-indicator for tool-feeding mechanisms. No. 1,263,142; Apr. 16; v. 249; p. 667.
Stubbs, John L. (See Zingsheim and Stubbs.)
Stubbs, Orace V., Buda, Tex. Boll-weevil exterminator. No. 1,269,334; June 11; v. 251; p. 374.
Stuber, Adolph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera. No. 1,286,892; Dec. 3; v. 257; p. 167.
Stuchfield, Tom P., Birmingham, England. Variable-speed gearing for motor-cycles. No. 1,253,544; Jan. 15; v. 246; p. 674.
Stuck, Everett, assignor to O. M. Edwards, Syracuse, N. Y. Follower mechanism for filing-cabinets. No. 1,280,328; Oct. 1; v. 255; p. 60.
Stuck, George O. (See Adelsperger and Stuck.)
Stuckenborg, Frederick W. (See Stuckenborg, Louis C., assignor.)
Stuckenborg, Louis C., assignor of one-half to F. W. Stuckenborg, Chicago, Ill. Cotton-picker. No. 1,264,575; Apr. 30; v. 249; p. 1115.
Stuckey, Harriet T. S., Bishopville, S. C. Umbrella-holder. No. 1,262,402; Apr. 9; v. 249; p. 427.
Stuckey, Sadie, Tulsa, Okla. Electric hair-curling kit. No. 1,273,199; July 23; v. 252; p. 772.
Stucki, Arnold, Pittsburgh, Pa. Friction draft-gear. No. 1,264,222; Apr. 30; v. 249; p. 1017.
Stuckwisch, Oliver H., Indianapolis, Ind. Automobile-heater. No. 1,262,282; Apr. 9; v. 249; p. 393.
Studdard, Ralph, Double Springs, Ala. Attachment for carbureters. No. 1,282,650; Oct. 22; v. 255; p. 791.
Studebaker, Abraham E., Tippecanoe City, Ohio. Draft appliance. No. 1,289,571; Dec. 31; v. 257; p. 950.
Studt, Franz E., London, England. Electrolytic deposition of copper from acid solutions. No. 1,260,830; Mar. 26; v. 248; p. 935.
Study, Leonard, Thurman, Iowa. Fan-propeller. No. 1,252,195; Jan. 1; v. 246; p. 219.
Stuebing Truck Company, The. (See Stuebing, William, Jr., assignor.)
Stuebing, William, Jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Stuebing Truck Company. Lifting-truck. No. 1,257,650; Feb. 26; v. 247; p. 854.
Stuebing, William, Jr., assignor to The Stuebing Truck Company, Cincinnati, Ohio. Lifting-truck. No. 1,279,481; Sept. 17; v. 254; p. 636.
Stuebing, William, Jr., and L. J. Van Guelpen, assignors of seven-sixteenths to said Stuebing, two-sixteenths to said Van Guelpen and seven-sixteenths to L. A. Burrell, Cincinnati, Ohio. Record-filing mechanism. No. 1,258,498; Mar. 5; v. 248; p. 159.
Stuefer, Otto F., Cleveland, Ohio, assignor to General Electric Company. Illuminating device for shaving purposes. No. 1,258,058; Mar. 5; v. 248; p. 32.
Stufflebeam, Albert, Paris, Ark. Shaft-coupling. No. 1,251,836; Jan. 1; v. 246; p. 120.
Stukart, Hendrik, assignor to U. S. Slicing Machine Company, Laporte, Ind. Power mechanism for slicing-machines. No. 1,268,176; June 4; v. 251; p. 30.
Stukart, Hendrik, assignor to U. S. Slicing Machine Company, Laporte, Ind. Back plate for slicing-machines. No. 1,278,056; Sept. 3; v. 254; p. 197.
Stukart, Hendrik, assignor to U. S. Slicing Machine Company, Laporte, Ind. Back plate for meat-slicing machines. No. 1,278,057; Sept. 3; v. 254; p. 198.
Stukenborg, Frederick W. (See Stukenborg, Louis C., assignor.)
Stukenborg, Louis C., assignor to F. W. Stukenborg, Chicago, Ill. Cotton-picker. No. 1,279,933; Sept. 24; v. 254; p. 790.
Stukes, John M., Delhi, La. Composition of matter for use as a food. No. 1,258,059; Mar. 5; v. 248; p. 32.
Stull, Emmett W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Contact member. No. 1,260,730; Mar. 26; v. 248; p. 907.
Stull, Jacob H., Fremont, Ohio. Rail-joint. No. 1,268,296; June 4; v. 251; p. 54.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Rotation-counter. No. 1,262,996; Apr. 16; v. 249; p. 624.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiple-spindle drill, tap, and the like. No. 1,263,482; Apr. 23; v. 249; p. 782.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Vise. No. 1,285,834; Nov. 26; v. 256; p. 722.
Stump, Ira E., assignor of one-half to O. C. Billman, Cleveland, Ohio. Mechanical movement. No. 1,259,926; Mar. 19; v. 248; p. 641.
Stumpf, Frank J., assignor of one-half to R. T. Connell, Kansas City, Mo. Well-packing construction. No. 1,286,141; Nov. 26; v. 256; p. 795.
Stumpf Una-Flow Engine Company. (See Turnwald, Wolfgang, assignor.)
Stupecky, Ladimir F., Manitowoc, Wis. Carbureter. No. 1,262,997; Apr. 16; v. 249; p. 625.
Sturcke, Herman E., Brooklyn, N. Y. Spraying or atomizing system. No. 1,277,269; Aug. 27; v. 253; p. 902.
Sturdevant, Charles R., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Applying rail-bonds. No. 1,275,990; Aug. 13; v. 253; p. 487.
Sturgeon, Guy F., assignor to Central Electric Company, Chicago, Ill. Junction terminal block. No. 1,260,592; Mar. 26; v. 248; p. 867.
Sturgess, Herbert E. M., Hamilton, Ontario, Canada. Motor-cycle frame. No. 1,281,696; Oct. 15; v. 255; p. 490.
Sturgill, Charlie H. (See Quarles and Sturgill.)
Sturgis, Gordon R., Hillsboro, Tex. Power transmission. No. 1,276,438; Aug. 20; v. 253; p. 642.
Sturgis, Herbert M., Kansas City, Mo. Toilet-paper reel. No. 1,259,313; Mar. 12; v. 248; p. 432.
Sturiale, Joseph, New York, N. Y. Non-refillable bottle. No. 1,256,948; Feb. 19; v. 247; p. 614.

Sturmer, George W., Baltimore, Md. Lubricator-filler. No. 1,286,830; Dec. 3; v. 257; p. 153.
Sturrock, George A., Port Townsend, Wash., assignor of one-fourth to R. E. and G. G. Herring, San Francisco, Cal. Hand seed-planter. No. 1,269,877; June 18; v. 251; p. 557.
Sturrock, John, Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-drill. No. 1,262,283; Apr. 9; v. 249; p. 393.
Sturt, Alfred T. (See Mason and Sturt.)
Sturtevant Aeroplane Company. (See Loening, Grover C., assignor.)
Sturtevant, Cullen K. (See Hamilton, Cameron G., assignor.)
Sturtevant Mill Company. (See Sturtevant, Thomas L., assignor.)
Sturtevant, Thomas E., assignor to McKiernan-Terry Drill Company, Dover, N. J. Subaqueous pile-hammer. No. 1,257,762; Feb. 26; v. 247; p. 887.
Sturtevant, Thomas E., assignor to McKiernan-Terry Drill Company, Dover, N. J. Rock-drill. No. 1,263,143; Apr. 16; v. 249; p. 667.
Sturtevant, Thomas E., assignor to McKiernan-Terry Drill Company, Dover, N. J. Rock-drill. No. 1,265,133; May 7; v. 250; p. 73.
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Crushing-mill. No. 1,286,831; Dec. 3; v. 257; p. 154.
Sturtevant, Thomas L., Quincy, Mass., assignor to Sturtevant Mill Company. Internal-combustion engine. No. 1,278,784; Sept. 10; v. 254; p. 418.
Sturtevant, Thomas L., Quincy, Mass., assignor to Sturtevant Mill Company. Barbed-wire fencing. No. 1,281,697; Oct. 15; v. 255; p. 491.
Sturtevant, Thomas L., Wellesley, Mass., assignor to Sturtevant Mill Company. Valve mechanism for internal-combustion engines. No. 1,281,246; Oct. 8; v. 255; p. 339.
Stutz, John C., McCleary, Wash. Door-stacking machine. No. 1,268,177; June 4; v. 251; p. 30.
Stutz, John C., McCleary, Wash. Truck. No. 1,268,178; June 4; v. 251; p. 30.
Stutzman, Frank, Williamsport, Pa. Tool for spreading leaf-springs. No. 1,283,956; Nov. 5; v. 256; p. 136.
Stuvland, Ingwall O., Everett, Wash. Saw-set. No. 1,274,468; Aug. 6; v. 253; p. 37.
Stuyverson, William L., St. Louis, Mich. Tire-protector. No. 1,282,651; Oct. 22; v. 255; p. 791.
Stuyvesant Glass Co. (See Wiegand, Wilhelm, assignor.)
Styers, Rufus C. (See Styers, William A., assignor.)
Styers, William A., assignor of one-half to R. C. Styers, Clemmons, N. C. Tobacco-stick. No. 1,263,144; Apr. 16; v. 249; p. 668.
Styles, Joseph H., New York, N. Y. Gas-tube coupling. No. 1,279,785; Sept. 24; v. 254; p. 746.
Styll, Harry H. (See Baker and Styll.)
Styll, Harry H. (See Day and Styll.)
Styll, Harry H., Southbridge, Mass. Goggles. No. 1,265,546; May 7; v. 250; p. 183.
Styll, Harry H., Southbridge, Mass. Lens. No. 1,267,821; May 28; v. 250; p. 904.
Styll, Harry H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,262,714; Apr. 16; v. 249; p. 544.
Subby, Oscar, Albert Lea, Minn. Stock-tank heater. No. 1,279,934; Sept. 24; v. 254; p. 790.
Sublisky, Henry T., Cedar Rapids, Iowa. Film-holder. No. 1,279,607; Sept. 24; v. 254; p. 695.
Submarine Signal Company. (See Fessenden, Reginald A., assignor.)
Submarine Wireless Company. (See Berger, Christian, assignor.)
Submersible Boat Company, The. (See Barringer, Worth R., assignor.)
Submersible & J-L Motors Limited. (See Highfield, John S., assignor.)
Such, Benjamin J., Perth Amboy, N. J. Projector for moving pictures. No. 1,261,315; Apr. 2; v. 249; p. 92.
Suchanek, John, *et al.* (See Muzik, John, assignor.)
Suckert, Harold C., New York, N. Y. Vacuum fuel-feeding system for gasolene-engines. No. 1,256,610; Feb. 19; v. 247; p. 514.
Suckert, Harold C., New York, N. Y. Vacuum fuel-feeding system for gasolene-engines. No. 1,258,060; Mar. 5; v. 248; p. 32.
Suckert, Harold C., New York, N. Y. Vacuum fuel-feeding system for gasolene-engines. No. 1,274,810; Aug. 6; v. 253; p. 133.
Suczek, Robert. (See Kothny and Suczek.)
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Condensing apparatus. No. 1,260,593; Mar. 26; v. 248; p. 867.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Condensate and air removing apparatus. No. 1,266,344; May 14; v. 250; p. 435.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Condensate and air removing apparatus. No. 1,266,726; May 21; v. 250; p. 572.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Condensing apparatus. No. 1,273,948; July 30; v. 252; p. 1012.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Condensate and air removing apparatus. No. 1,277,151; Aug. 27; v. 253; p. 872.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Ejector apparatus. No. 1,282,977; Oct. 29; v. 255; p. 909.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Condensate and air removing apparatus. No. 1,282,978; Oct. 29; v. 255; p. 910.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Method of and apparatus for compressing fluid. No. 1,283,593; Nov. 5; v. 256; p. 40.
Sudderth, Jacob A., Buford, Ga. Washboard. No. 1,272,142; July 9; v. 252; p. 424.
Suderov, Abraham, New York, N. Y. Setting for precious stones. No. 1,252,966; Jan. 8; v. 246; p. 474.
Suderov, Abraham, New York, N. Y. Setting for precious stones. No. 1,276,132; Aug. 20; v. 253; p. 557.
Suer, Benjamin, Lancaster, Wis., Ax-handle protector. No. 1,259,161; Mar. 12; v. 248; p. 391.
Suess, Franz. (See Bloch and Suess.)
Suess, John B. (See Mueller, Fredrick W., assignor.)
Suess, John B., Seattle, Wash. Lens for automobile-headlights. No. 1,269,978; June 18; v. 251; p. 581.
Sugar Cane By-Product Company. (See Marsden, Mark W., assignor.)
Sugar Centrifugal Discharger Co. (See Roberts and Gibson, assignors.)
Sugar Centrifugal Discharger Company. (See Roberts, Eugene, assignor.)
Sugden, Edmonds J. (See McKibbin, John B., assignor.)
Sugg, Harvey, Ladysmith, Wis. Incubator-tray. No. 1,283,594; Nov. 5; v. 256; p. 41.
Sugiura, Kanematsu. (See Falk and Sugiura.)
Sugiyama, Kozo, New York, N. Y. Closure-fastener. No. 1,264,709; Apr. 30; v. 249; p. 1152.
Suhl, Herbert P., Kissimmee, Fla. Drive attachment. No. 1,288,271; Dec. 17; v. 257; p. 581.
Suhrie, Norman. (See Leonard, Suhrie, and Douty.)
Suiter, David L., Philadelphia, Pa. Sound-damping device for talking-machines. No. 1,254,447; Jan. 22; v. 246; p. 952.
Suiter, David L., Philadelphia, Pa. Sound-reproducing machine. No. 1,263,816; Apr. 23; v. 249; p. 871.
Sullens, Roy. (See Chittim, Carl C., assignor.)
Sullins, John W., Paradise, Tex. Grain header and loader. No. 1,286,444; Dec. 3; v. 257; p. 64.
Sullivan, Arthur B. (See Mott, Samuel D., assignor.)
Sullivan, Charles B., Rosedale, Kans. Rerailing-frog. No. 1,266,727; May 21; v. 250; p. 572.
Sullivan, Daniel. (See McDonald and Sullivan.)
Sullivan, Daniel, St. Louis, Mo. Answering-board. No. 1,277,152; Aug. 27; v. 253; p. 872.
Sullivan, David F., Holyoke, Mass. Suction-box and cover. No. 1,279,170; Sept. 17; v. 254; p. 551.
Sullivan, Edward F., Oakland, Cal. Traction belt-chain. No. 1,271,239; July 2; v. 252; p. 138.
Sullivan, Frank J., Clintonville, Wis. Combined driving and steering axle. No. 1,272,565; July 16; v. 252; p. 567.
Sullivan, James M., Chicago, Ill., asignor to Standard Paper Bag Company. Continuous bag. No. 1,279,171; Sept. 17; v. 254; p. 551.
Sullivan, John, Peru, Ind. Securing the ends of boiler-flues in flue-sheets. No. 1,267,143; May 21; v. 250; p. 690.
Sullivan, John D., *et al.* (See Shanisey, Frederick J., Sr., assignor.)
Sullivan, John E., Covington, Ky. Signal apparatus. No. 1,285,459; Nov. 19; v. 256; p. 587.
Sullivan, Joseph. (See Whiteway and Sullivan.)
Sullivan, Joseph L., Cleveland, assignor to The Frantz Premier Company, East Cleveland, Ohio. Suction-cleaner. No. 1,255,662; Feb. 5; v. 247; p. 159.
Sullivan, Joseph M., assignor to A. J. McDonough, Detroit, Mich. Valve. No. 1,277,153; Aug. 27; v. 253; p. 872.
Sullivan, Leonard J., North Sydney, New South Wales, Australia. Belt-lacing fastener. No. 1,267,710; May 28; v. 250; p. 872.
Sullivan Machinery Company. (See Ball, Albert, assignor.)
Sullivan Machinery Company. (See Gilman, George H., assignor.)
Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
Sullivan Machinery Company. (See Officer and Holmes, assignors.)
Sullivan Machinery Company. (See Oliphant, John, assignor.)
Sullivan Manufacturing Company. (See Alsman, William C., assignor.)
Sullivan, Maurice P., New York, N. Y. Spark-plug. No. 1,275,102; Aug. 6; v. 253; p. 215.
Sullivan, Maurice P., New York, N. Y., assignor to Splitdorf Electrical Company, Newark, N. J. Spark-plug. No. 1,281,429; Oct. 15; v. 255; p. 421.

Sullivan, Michael J. (See Krohn and Sullivan.)
Sullivan, Patrick J., Boston, Mass. Automatic fire-extinguisher. No. 1,275,787; Aug. 13; v. 253; p. 429.
Sullivan, Patrick J. M., Woodcliffe-on-Hudson, N. J., assignor to Monahan Rotary Engine Corporation, New York, N. Y. Internal-combustion engine. No. 1,274,811; Aug. 6; v. 253; p. 133.
Sullivan, Patrick J. M., Woodcliffe-on-Hudson, N. J., assignor to Monahan Rotary Engine Corporation, New York, N. Y. Internal-combustion engine. No. 1,274,812; Aug. 6; v. 253; p. 134.
Sullivan, Patrick J. M., Woodcliffe-on-Hudson, N. J., assignor to Monahan Rotary Engine Corporation, New York, N. Y. Internal-combustion engine. No. 1,274,813; Aug. 6; v. 253; p. 134.
Sullivan, Patrick J. M., Woodcliffe-on-Hudson, N. J., assignor to Monahan Rotary Engine Corporation, New York, N. Y. Two-cycle engine. No. 1,287,509; Dec. 10; v. 257; p. 361.
Sullivan, Patrick J. M., Woodcliffe-on-Hudson, N. J., assignor to Monahan Rotary Engine Corporation, New York, N. Y. Internal-combustion engine. No. 1,287,510; Dec. 10; v. 257; p. 361.
Sullivan, Thomas B., Kansas City, Mo. Apparatus for utilizing the waste heat and increasing the circulation of the air during the drying and burning processes in kilns. No. 1,284,943; Nov. 12; v. 256; p. 418.
Sullivan, Thomas H., Sidney, Ohio. Heel-protector. No. 1,272,143; July 9; v. 252; p. 424.
Sullivan, William M., Arcadia, Cal. Automobile-wheel. No. 1,272,723; July 16; v. 252; p. 613.
Sullivan, William T., New York, N. Y. Double-roller shade-bracket. No. 1,276,823; Aug. 27; v. 253; p. 784.
Sullwold, Herbert A., St. Paul, Minn. Window. No. 1,282,490; Oct. 22; v. 255; p. 746.
Sully, Adda M., Carthage, Mo. Mop-wringer. No. 1,280,897; Oct. 8 v; 255; p. 243.
Sulman, Henry L., and H. F. K. Picard, assignors to The Metals Extraction Corporation Limited, London, England. Extraction of lead from its ores or lead-containing materials. No. 1,265,547; May 7; v. 250; p. 183.
Sulo, Silvester P., Rahway, N. J. Seat-supporting means for willow chairs. No. 1,288,272; Dec. 17; v. 257; p. 581.
Sumbling, William H., Toronto, Ontario, Canada. Reversing-gear for power-driven machines. No. 1,259,056; Mar. 12; v. 248; 361.
Sumersille, Alano E., San Juan, Porto Rico. Check. No. 1,282,311; Oct. 22; v. 255; p. 698.
Sumitani, Yuki, Seattle, Wash. Hair pin and comb. No. 1,281,227; Oct. 8; v. 255; p. 333.
Summerfield, Emanual P. (See Taylor, Aiken C., assignor.)
Summerfield, Harry, St. Paul, Minn. Antiskidding device. No. 1,278,058; Sept. 3; v. 254; p. 198.
Summerfield, Sigfried E., St. Paul, Minn. Display fixture. No. 1,278,059; Sept. 3; v. 254; p. 198.
Summerrow, Edward D., Cedar Bayou, Tex. Device for controlling the flow of fluid from wells. No. 1,273,949; July 30; v. 252; p. 1012.
Summers, Bertrand S., Port Huron, Mich., assignor to The National Fiber Textile Company, Neenah, Wis. Paper yarn and making same. No. 1,271,098; July 2; v. 252; p. 97.
Summers, Edgar W., Pittsburgh, Pa. Door arrangement for dump-cars. No. 1,272,871; July 16; v. 252; p. 656.
Summers, Frank E., near Memphis, Mo. Electric switch. No. 1,265,697; May 7; v. 250; p. 223.
Summers, Frank E., Memphis, Mo. Electrical signaling apparatus. No. 1,265,698; May 7; v. 250; p. 223.
Summers, Louis, *et al.* (See Steedman, James B., assignor.)
Summers, McKinnon, Weldon, and W. R. Viles, Clinton, Ill.; said Viles assignor to said Summers. Refrigerating and cooling device. No. 1,279,608; Sept. 24; v. 254; p. 695.
Summers, Robert B., Okmulgee, Okla. Ditching-machine. No. 1,272,144; July 9; v. 252; p. 425.
Summerson, William L., New York, N. Y. Means for facilitating the transaction of mail-order business. No. 1,256,183; Feb. 12; v. 247; p. 354.
Summit Thread Company. (See Weaver, Lucius E., assignor.)
Sumner, Chester A., Chula Vista, Cal. Figure toy. No. 1,262,998; Apr. 16; v. 249; p. 625.
Sumner, Coleman W., Texola, Okla. Petcock. No. 1,283,957; Nov. 5; v. 256; p. 136.
Sumner, Ernest E., London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Record-strip composing or preparing machine. No. 1,283,958; Nov. 5; v. 256; p. 136.
Sumner, Fred D., Danville, Ill. Heating and ventilating casing for radiators. No. 1,264,345; Apr. 30; v. 249; p. 1050.
Sumner, Henry W., Winslow, Wash. Air starting mechanism for internal-combustion engines. No. 1,264,994; May 7; v. 250; p. 34.
Sumner Iron Works. (See Skeith and Burrows, assignors.)
Sumners, Gustavus D., Houston, Tex. Record-book. No. 1,288,273; Dec. 17; v. 257; p. 581.
Sumter, Jacob, New York, N. Y. Lettering-pen. No. 1,263,621; Apr. 23; v. 249; p. 819.
Sun Company. (See Maitland, Harold T., assignor.)
Sunbeam Chemical Company. (See Huffman, Charles C., assignor.)
Sunbeam Motor Car Company Limited. (See Coatalen, Louis, assignor.)
Sundberg, Emanuel W., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Controller-regulator. No. 1,252,732; Jan. 8; v. 246; p. 407.
Sundby, John C., Enderlin, N. D. Tray. No. 1,282,138; Oct. 22; v. 255; p. 652.
Sundby, Jon. (See Berge and Sundby.)
Sundee, John R., assignor to Warner Jewelry Case Company, Buffalo, N. Y. Device for displaying finger-rings. No. 1,275,320; Aug. 13; v. 253; p. 300.
Sunden, Alexius, Centralia, Wash. Dispensing device. No. 1,255,064; Jan. 29; v. 246; p. 1160.
Sunden, Alexius, Coquille, Oreg. Lamp-support. No. 1,277,270; Aug. 27; v. 253; p. 902.
Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Swing-hook. No. 1,274,469; Aug. 6; v. 253; p. 37.
Sunderland, Frederick, Birmingham, England. Means for the removal of bottle and like caps or stoppers. No. 1,262,277; Apr. 9; v. 249; p. 392.
Sunderland, John P. (See McGary and Sunderland.)
Sunderland, Sam, High Utley, Keighley, and A. M. Midgley, Sutton-in-Craven, near Keighley, England. Cutting bevel-wheel teeth. No. 1,286,832; Dec. 3; v. 257; p. 154.
Sunderman Corporation. (See Sunderman, Frederick R., assignor.)
Sunderman, Frederick R., Detroit, Mich., assignor to Sunderman Corporation, Newburgh, N. Y. Internal-combustion engine. No. 1,271,799; July 9; v. 252; p. 324.
Sunderman, Frederick R., assignor to Sunderman Corporation, Newburgh, N. Y. Rotary internal-combustion engine. No. 1,285,835; Nov. 26; v. 256; p. 722.
Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,259,162; Mar. 12; v. 248; p. 391.
Sundh, August, Hastings-upon-Hudson, N. Y. Block for strip-blocking machines. No. 1,259,163; Mar. 12; v. 248; p. 392.
Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,259,164; Mar. 12; v. 248; p. 392.
Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,259,165; Mar. 12; v. 248; p. 392.
Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,261,180; Apr. 2; v. 249; p. 53.
Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,262,135; Apr. 9; v. 249; p. 352.
Sundh, August, Hastings-upon-Hudson, N. Y. Block for automatic blocking mechanism for strip-mills. No. 1,265,400; May 7; v. 250; p. 145.
Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Power-transmission device. No. 1,256,949; Feb. 19; v. 247; p. 615.
Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Fluid motor or pump. No. 1,274,955; Aug. 6; v. 253; p. 174.
Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Hydraulic transmission mechanism. No. 1,288,274; Dec. 17; v. 257; p. 582.
Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Electrical control system for hydraulic transmission. No. 1,288,275; Dec. 17; v. 257; p. 582.
Sundheim, Peter J., East Orange, N. J., and J. J. Ferrall, Valhalla, assignors to National Biscuit Company, New York, N. Y. Display-rack. No. 1,284,813; Nov. 12; v. 256; p. 384.
Sundius, Herman. (See Andersson, Bengt S., assignor.)
Sundness, Odin A., and R. M. Baker, Chisholm, Minn. Dewaterer and classifier. No. 1,274,814; Aug. 6; v. 253; p. 134.
Sundstrand, Gustaf D., assignor to Rockford Tool Company, Rockford, Ill. Bevel-gear generator. No. 1,268,512; June 4; v. 251; p. 126.
Sundt, Carlos A., Santiago, Chile. Governor and regulator for engines, motors, &c. No. 1,265,134; May 7; v. 250; p. 73.
Sunila, Emil. (See Fagerlund and Sunila.)
Sunnen, August, Mexico, Mo. Automobile-radiator protector. No. 1,268,892; June 11; v. 251; p. 251.
Superior Oil and Process Company. (See Schuck, Walter P., assignor.)
Superior Type Company, The. (See Willard, Maurice L., assignor.)
Suplee, Henry H., New York, N. Y. Internal-combustion engine. No. 1,289,953; Dec. 31; v. 257; p. 1044.
Suppler, William C. (See Burks and Suppler.)
Surber, Charles G., Carloover, Va. Register. No. 1,283,959; Nov. 5; v. 256; p. 137.
Surbrug, John W. (See Berns, Charles H., assignor.)

Suren, Nathan H., Needham, assignor to The Gamewell Fire-Alarm Telegraph Company, Newton Upper Falls, Mass. Electromagnetically-controlled switch. No. 1,288,738; Dec. 24; v. 257; p. 722.
Surface Combustion. (See Ellis, Carleton, assignor.)
Surface Combustion, Inc. (See McCourt and Ellis, assignors.)
Surface, Morris E., assignor to Faries Manufacturing Co., Decatur, Ill. Joint for lighting-fixtures. No. 1,281,698; Oct. 15; v. 255; p. 491.
Surles, John W. (See Meister, Surles, and Boyle.)
Surozewski, Antoni, Webster, Mass. Weapon. No. 1,280,898; Oct. 8; v. 255; p. 244.
Sushko, Stefan, Allentown, Pa. Bolt fastener or lock. No. 1,266,081; May 14; v. 250; p. 363.
Suspension Bed Spring Manufacturing Company. (See Meadoff, Abraham S., assignor.)
Susquehanna Silk Mills. (See Scott, William H., Jr., assignor.)
Susseles, Abraham, Brooklyn, N. Y. Manufacture of pull-rings, buckles, and the like. No. 1,260,092; Mar. 19; v. 248; p. 689.
Sussman, Charles J., and T. A. Hill, Brooklyn, N. Y. Fabric-laying machine. No. 1,257,421; Feb. 26; v. 247; p. 785.
Sussman, Samuel, New York, N. Y. Musical instrument known as bones. No. 1,254,547; Jan. 22; v. 246; p. 982.
Sutch, Elwood R., Philadelphia, Pa. Bomb. No. 1,277,271; Aug. 27; v. 253; p. 902.
Sutcliffe, Edgar R., Leigh, England, assignor to Pure Coal Briquettes Limited, Cardiff, Wales. Fuel. No. 1,261,645; Apr. 2; v. 249; p. 185.
Sutcliffe, Edgar R., Leigh, England, assignor to Pure Coal Briquettes Limited, Cardiff, Wales. Manufacture of fuel blocks or briquets. No. 1,267,711; May 28; v. 250; p. 873.
Sutcliffe, Edgar R., Leigh, England, assignor to Pure Coal Briquettes Limited, Cardiff, Wales. Distillation of carbonaceous substances. No. 1,279,172; Sept. 17; v. 254; p. 551.
Sutcliffe, Edgar R., Leigh, England, assignor to Pure Coal Briquettes Limited, Cardiff, Wales. Briqueting and the product. No. 1,283,354; Oct. 29; v. 255; p. 1009.
Sutcliffe, Willis J., Waterloo, Iowa. Actuating means for radiator-protectors. No. 1,268,297; June 4; v. 251; p. 65.
Sutcliffe, Willis J., Waterloo, Iowa. Curtain-fixture. No. 1,289,954; Dec. 31; v. 257; p. 1044.
Suter, Eugéne F., London, England. Electrical heating apparatus for permanently waving hair. No. 1,266,879; May 21; v. 250; p. 613.
Suter, Eugéne F., London, England. Hair curler or roller. No. 1,266,880; May 21; v. 250; p. 614.
Suter, Friederick, Pawtucket, R. I. Reed for warping-machines. No. 1,289,015; Dec. 24; v. 257; p. 788.
Suter, Oscar M., Chicago, Ill. Foot or road crossing. No. 1,275,321; Aug. 13; v. 253; p. 300.
Suther, Alfred M., Allentown, assignor to Schaum & Uhlinger, Philadelphia, Pa. Clutch. No. 1,254,863; Jan. 29; v. 246; p. 1106.
Suther, Alfred M., Allentown, assignor to Schaum & Uhlinger Incorporated, Philadelphia, Pa. Shuttle-motion. No. 1,256,611; Feb. 19; v. 247; p. 515.
Sutherland, Alexander K., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Push-button switch. No. 1,268,804; June 4; v. 251; p. 209.
Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Quick-break switch. No. 1,271,520; July 2; v. 252; p. 214.
Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Mfg. Co., Plainville, Conn. Quick-break switch. No. 1,288,742; Dec. 24; v. 257; p. 723.
Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Mfg. Co., Plainville, Conn. Inclosed switch. No. 1,281,872; Oct. 15; v. 255; p. 539.
Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. No. 1,288,739; Dec. 24; v. 257; p. 722.
Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Mfg. Co., Plainville, Conn. Inclosed switch. No. 1,288,740; Dec. 24; v. 257; p. 723.
Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. No. 1,288,741; Dec. 24; v. 257; p. 723.
Sutherland, Charles J., Duluth, Minn. Crutch. No. 1,285,836; Nov. 26; v. 256; p. 722.
Sutherland, Daniel M., Jr., Trenton, assignor to The Agasote Millboard Co., Ewing township, N. J. Manufacture of pulp boards. No. 1,272,566; July 16; v. 252; p. 567.
Sutherland, George W., Newport, Wash. Wire-stretcher block. No. 1,262,403; Apr. 9; v. 249; p. 427.
Sutherland, John, Springer, N. Mex. Culinary implement. No. 1,262,404; Apr. 9; v. 249; p. 428.
Sutherland, John, Springer, N. Mex. Vise. No. 1,262,405; Apr. 9; v. 249; p. 428.
Sutherland, Louis W., assignor to Kalamazoo Carton Company, Kalamazoo, Mich. Coating-machine. No. 1,276,439; Aug. 20; v. 253; p. 643.
Sutherland, Robert V., and S. G. Smith; said Sutherland assignor of his one-half to W. F. Freeman, Grand Rapids, Mich. Davenport. No. 1,260,988; Mar. 26; v. 248; p. 976.
Sutter, Jacob, New York, N. Y. Soldering apparatus. No. 1,253,906; Jan. 15; v. 246; p. 778.
Sutter, John P., Buffalo, N. Y. Reading-light. No. 1,284,814; Nov. 12; v. 256; p. 384.
Sutter, Roser B., assignor to Zenitherm Company, Newark, N. J. Fireless cooker. No. 1,283,960; Nov. 5; v. 256; p. 137.
Sutton, Edward O., Springfield, Mass. Tractor-trailer attachment. No. 1,263,622; Apr. 23; v. 249; p. 819.
Sutton, Edward O., Springfield, Mass. Tractor. No. 1,264,576; Apr. 30; v. 249; p. 1116.
Sutton, Martin V., Deanwood, Ky. Wrench. No. 1,281,228; Oct. 8; v. 255; p. 333.
Sutton, Ottis L., Hickman, Ky. Cotton-chopper. No. 1,254,548; Jan. 22; v. 246; p. 982.
Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Combined liquid-separator and muffler. No. 1,283,961; Nov. 5; v. 256; p. 138.
Sutton, Woodruff. (See Wilson, Sutton, and Jones.)
Sutton, Woodruff, New York, N. Y., assignor to J. G. Wilson Corporation, Norfolk, Va. Illuminant. No. 1,271,800; July 9; v. 252; p. 325.
Suverkrop, Edward A., Sea Cliff, N. Y. Lapping-machine. No. 1,257,046; Feb. 19; v. 247; p. 642.
Suverkrop, Edward A., Sea Cliff, N. Y. Apparatus for lapping metal. No. 1,257,047; Feb. 19; v. 247; p. 643.
Suydam, Frank W., Brooklyn, N. Y. Tag. No. 1,256,277; Feb. 12; v. 247; p. 381.
Suzzi, Taddeo C., Chicago, Ill. Peanut-blanching machine. No. 1,282,312; Oct. 22; v. 255; p. 698.
Svanda, James, Milwaukee, Wis. Casket. No. 1,254,742; Jan. 29; v. 246; p. 1068.
Svendsen, Hans A., *et al.* (See Groh and Hansen, assignors.)
Svenska Aktiebolaget Mono. (See Wener, Nils H., assignor.)
Svenska Turbinfabriks Aktiebolaget Ljungström. (See Uggla, Wilhelm R., assignor.)
Svenson, John A. F., assignor to The Standard Scale & Supply Company, Pittsburgh, Pa. Distributing mechanism for concrete-mixers. No. 1,276,440; Aug. 20; v. 253; p. 643.
Svenson, Sven, La Crosse, Wis. Air-gun. No. 1,276,989; Aug. 27; v. 253; p. 827.
Swaidmark, Albin P., assignor to Universal Industrial Corporation, Hackensack, N. J. Hose-clamp. (Reissue.) No. 14,503; Aug. 13; v. 253; p. 490.
Swaim, Cecil J., Montreal, Quebec, Canada. Ribbon mechanism. No. 1,278,252; Sept. 10; v. 254; p. 276.
Swaim, Charles S., and C. Corum, Long Beach, Cal. Beet-topper. No. 1,282,313; Oct. 22; v. 255; p. 698.
Swain, Charles E., Telstad, Mont. Weeding-machine. No. 1,269,129; June 11; v. 251; p. 316.
Swain, Charles H., Whelen Springs, Ark. Trap. No. 1,258,960; Mar. 12; v. 248; p. 332.
Swain, Orlando. (See Timmins, James R., assignor.)
Swalm, William E., and A. E. Sexton, Los Angeles, Cal. Apparatus for treating photographic prints and the like. No. 1,268,406; June 4; v. 251; p. 96.
Swan, Harry W., Everett, Wash. Device to attach to a penholder to assist in the practice of penmanship. No. 1,266,639; May 21; v. 250; p. 540.
Swan, John B., and Z. P. Cornell, Gladstone, Mich. Adjustable wedge. No. 1,268,073; May 28; v. 250; p. 974.
Swan, John B., Denver, Colo. Hand-cultivator. No. 1,272,567; July 16; v. 252; p. 568.
Swan, John B., Gladstone, Mich. Sanding device for locomotives. No. 1,276,824; Aug. 27; v. 253; p. 784.
Swan, John H., assignor to Klipfel Manufacturing Co., Chicago, Ill. Indicator for thermostats. No. 1,269,758; June 18; v. 251; p. 252.
Swan, John H., assignor to Klipfel Manufacturing Co., Chicago, Ill. Automatic controlling device for fluid-pressure motors. No. 1,277,771; Sept. 3; v. 254; p. 123.
Swan, John P., assignor to General Fire Extinguisher Company, Providence, R. I. Insert for concrete structures. No. 1,281,699; Oct. 15; v. 255; p. 491.
Swan, John W., San Francisco, Cal. Carbureter. No. 1,260,594; Mar. 26; v. 248; p. 867.
Swan Manufacturing Company, The. (See Swan and Higgs, assignors.)
Swan, Oliver C., Denver, Colo., assignor to The Swan Process Oil Company. Oil-still. No. 1,284,945; Nov. 12; v. 256; p. 418.
Swan, P. J., *et al.* (See Hartkopf, Carl F., assignor.)
Swan, Perry W., North Yakima, Wash. Wind-shield wiper. No. 1,287,511; Dec. 10; v. 257; p. 361.
Swan Process Oil Company, The. (See Swan, Oliver C., assignor.)
Swan, Willis A., and W. A. Higgs, Detroit, Mich., assignors to The Swan Manufacturing Company. Air-pump. No. 1,272,568; July 16; v. 252; p. 568.
Swanberg, Aaron E., Cass Lake, Minn. Planter. No. 1,280,329; Oct. 1; v. 255; p. 61.

Swank, Lafe, assignor to Dwiggins Wire Fence Company, Anderson, Ind. Gate-latch. No. 1,258,624; Mar. 5; v. 248; p. 198.
Swanson, Alfred C., Chicago, Ill. Curtain and fixture for the same. No. 1,254,291; Jan. 22; v. 246; p. 908.
Swanson, Andrew W., Bellingham, assignor to Swanson Exhaust Box Company, Seattle, Wash. Exhaust-box. No. 1,267,010; May 21; v. 250; p. 651.
Swanson, Arthur C. (See Johnson, Swanson, and Utterberg.)
Swanson, Carl R., Marshall, Minn. Floating equipment. No. 1,268,179; June 4; v. 251; p. 31.
Swanson, Carl R., Marshall, Minn. Parachute. No. 1,287,134; Dec. 10; v. 257; p. 269.
Swanson, Charles A., Chicago, Ill. Conveyer-form. No. 1,255,946; Feb. 12; v. 247; p. 281.
Swanson, Charles G., Chicago, Ill. Anticlimbing construction for cars. No. 1,258,061; Mar. 5; v. 248; p. 33.
Swanson, Clas, Ritzville, Wash. Inserting rings in rope. No. 1,275,103; Aug. 6; v. 253; p. 215.
Swanson Exhaust Box Company. (See Swanson, Andrew W., assignor.)
Swanson, Frank A., Chicago, Ill. Window-screen. No. 1,287,135; Dec. 10; v. 257; p. 269.
Swanson, Fred, Chicago, Ill. Motor. No. 1,255,663; Feb. 5; v. 247; p. 159.
Swanson, Herman S., St. Joseph, Mo. Automobile transmission-gearing. No. 1,259,563; Mar. 19; v. 248; p. 535.
Swanson, Hjalmar, assignor to The B. F. Cummins Company, Chicago, Ill. Perforating-machine. No. 1,285,837; Nov. 26; v. 256; p. 723.
Swanson, John A. (See Anderson, Axel G., assignor.)
Swanson, John A. (See Cubiac, Michael F., assignor.)
Swanson, Olof, Kindersley, Saskatchewan, Canada. Plow. No. 1,268,893; June 11; v. 251; p. 251.
Swanson, Olof, Denver, Colo. Lubricator. No. 1,279,173; Sept. 17; v. 254; p. 552.
Swanson, Olaf, Atchee, Colo. Antiskid. No. 1,287,512; Dec. 10; v. 257; p. 361.
Swanson, Selviyor A., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Pumping mechanism for automatic musical instruments. No. 1,264,577; Apr. 30; v. 249; p. 1116.
Swanson, Starley S., Bellevue, Ohio. Fertilizer-distributer. No. 1,270,070; June 18; v. 251; p. 606.
Swanson, Starley S., Bellevue, Ohio. Feeding mechanism for fertilizer-distributers. No. 1,270,071; June 18; v. 251; p. 606.
Swanson, Swan, Hobart, Wash. Railway-gate. No. 1,285,460; Nov. 19; v. 256; p. 588.
Swanson, Theodore, Lynn Center, Ill. Carpenter's workbench. No. 1,266,173; May 14; v. 250; p. 390.
Swanton, Harold H., assignor to E. A. Potter Co., Providence, R. I. Buckle for straps or belts. No. 1,285,461; Nov. 19; v. 256; p. 588.
Swart, Charles H., Watervliet, N. Y. Gage-cock. No. 1,252,733; Jan. 8; v. 246; p. 407.
Swartley, Henry R., Jr., Manhasset, N. Y., assignor to Davis-Bournonville Company, Jersey City, N. J. Anode. No. 1,263,959; Apr. 23; v. 249; p. 912.
Swartout, Charles L. (See Brown, Swartout, and Fitzgerald.)
Swartwout, Denton K. (See Lind and Swartwout.)
Swartwout, Denton K., Cleveland Heights, Ohio. Ventilating system. No. 1,271,494; July 2; v. 252; p. 206.
Swartwout, Denton K., assignor to The Ohio Blower Company, Cleveland, Ohio. Ventilator. No. 1,272,872; July 16; v. 252; p. 657.
Swartz, Ira, Coalinga, Cal. Well-bailing device. No. 1,253,106; Jan. 8; v. 246; p. 518.
Swartz, John L., Akron, Ohio. Cushion-tire and producing the same. No. 1,268,298; June 4; v. 251; p. 65.
Swartz, William L., *et al.* (See Humphrey, Alexander F., assignor.)
Swartz, William L. (See Humphrey and Michaels, assignors.)
Swartz, William L. (See Michaels and Humphrey, assignors.)
Swaton, Joseph A., Los Angeles, Cal. Distilling and cracking oil. No. 1,260,731; Mar. 26; v. 248; p. 908.
Swaykus, John C., and A. Tkacz, Lackawanna, N. Y. Train-pipe coupling. No. 1,251,837; Jan. 1; v. 246; p. 120.
Swaykus, John C., and A. Tkacz, Lackawanna, N. Y. Blower. No. 1,264,995; May 7; v. 250; p. 34.
Swaykus, John C., and A. Tkacz, Lackawanna, N. Y. Lubricating device. No. 1,272,569; July 16; v. 252; p. 568.
Sweasy, Jesse R. (See Ettle and Sweasy.)
Sweat, John D., assignor of one-half to W. T. Sweat, Galesburg, Ill. Safety pipe-joint. No. 1,279,935; Sept. 24; v. 254; p. 790.
Sweat, W. T. (See Sweat, John D., assignor.)
Sweeney, Edward, Norristown, Pa. Artificial limb. No. 1,268,642; June 4; v. 251; p. 163.
Sweeney, Ulysses G., Cutler Cal. Door-support. No. 1,264,578; Apr. 30; v. 249; p. 1116.
Sweeney, Zachary T., Columbus, Ind. Multiple dam and conduit. No. 1,284,946; Nov. 12; v. 256; p. 419.
Sweeney, Zachary T., Columbus, Ind. Switch for concrete railways. No. 1,255,349; Feb. 5; v. 247; p. 67.
Sweet, George, Oakland, Cal. Water-heater. No. 1,277,664; Sept. 3; v. 254; p. 93.
Sweet, Harold G. (See Marx, Lutes, Sweet, and Hand.)
Sweet, Oliver T., St. Louis, Mo. Outlet-box with knock-out sections. No. 1,264,450; Apr. 30; v. 249; p. 1081.
Sweet, William E., Dowagiac, Mich. Carbureting apparatus for internal-combustion engines. No. 1,257,422; Feb. 26; v. 247; p. 785.
Sweet, William E., Dowagiac, Mich. Internal-combustion engine. No. 1,272,570; July 16; v. 252; p. 569.
Sweetland, Arthur H. (See Kellum and Sweetland.)
Sweetland, Ernest J., Montclair, N. J. Apparatus for developing photographic negatives. No. 1,285,462; Nov. 19; v. 256; p. 588.
Sweetman, Littleton W. (See Zelber and Sweetman.)
Sweezey, Robert J., Cliftondale, Mass. Angle-finder. No. 1,270,564; June 25; v. 251; p. 768.
Swegle, Jesse, Walla Walla, Wash. Siphon-pump. No. 1,277,772; Sept. 3; v. 254; p. 123.
Swenarton, Waitstill H., Montclair, N. J. Decomposition of refractory alkali-metal-bearing and aluminiferous minerals. No. 1,277,773; Sept. 3; v. 254; p. 124.
Swender, Albert W., St. Louis, Mo. Calf and colt weaner. No. 1,285,838; Nov. 26; v. 256; p. 723.
Swenson, Carl G., assignor to The Oakes Company, Indianapolis, Ind. Fan-mounting. No. 1,278,060; Sept. 3; v. 254; p. 198.
Swenson, George E., Wayne Junction, Pa., assignor to The Barrett Company, New York, N. Y. Roof-flashing. No. 1,254,292; Jan. 22; v. 246; p. 909.
Swenson, Gustaf E. (See Gabrielson and Swenson.)
Swenson, John R., Portland, Oreg. Awl. No. 1,281,700; Oct. 15; v. 255; p. 491.
Swenson, Martin. (See Baldwin and Swenson.)
Swenson, Otto J., assignor of one-half to U. C. Swenson, Los Angeles, Cal. Cotton-planter. No. 1,275,626; Aug. 13; v. 253; p. 384.
Swenson, Urbane C. (See Swenson, Otto J., assignor.)
Swetland, R. H. (See Swetland, Warren, assignor.)
Swetland, Warren, Los Angeles, Cal., assignor to R. H. Swetland, Cleveland, Ohio. Hot-air heater. No. 1,259,314; Mar. 12; v. 248; p. 432.
Swett, Charles E., assignor to Arthur D. Little, Incorporated, Boston, Mass. Medicated pencil. No. 1,280,580; Oct. 1; v. 255; p. 129.
Swiderski, Wladislaw, Peshtigo, Wis. Underwater gun. No. 1,270,988; July 2; v. 252; p. 68.
Swift, Charles R., Fairhaven, Mass. Stop-motion for clocks. No. 1,289,955; Dec. 31; v. 257; p. 1045.
Swift & Company. (See Richardson, William D., assignor.)
Swift, George W., Jr., Bordentown, N. J. Corrugating-machine. No. 1,263,000; Apr. 16; v. 249; p. 625.
Swift, George W., Jr., Bordentown, N. J. Machine for making window-envelops. No. 1,271,801; July 9; v. 252; p. 325.
Swift, George W., Jr., Bordentown, N. J. Making open-face envelops. No. 1,275,323; Aug. 13; v. 253; p. 301.
Swift, George W., Jr., Bordentown, N. J. Window-envelop machine. No. 1,275,788; Aug. 13; v. 253; p. 430.
Swift, George W., Jr., Bordentown, N. J. Making window-envelops. No. 1,276,282; Aug. 20; v. 253; p. 598.
Swift, George W., Jr., Bordentown, N. J. Manufacturing window-envelops. No. 1,276,990; Aug. 27; v. 253; p. 827.
Swift, George W., Jr., and C. B. Rodgers, Bordentown, N. J. Detecting and correcting a lack of dynamic balance within and while a body is rotating. No. 1,262,999; Apr. 16; v. 249; p. 625.
Swift, James F., Kansas City, Mo. Door-spring. No. 1,263,623; Apr. 23; v. 249; p. 819.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Vending-cabinet for collapsible drinking-cups or the like. No. 1,259,927; Mar. 19; v. 248; p. 641.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Making window-envelops. No. 1,264,346; Apr. 30; v. 249; p. 1050.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Window-envelop. No. 1,264,451; Apr. 30; v. 249; p. 1081.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Machine for attaching flap-securing means to envelops. No. 1,265,135; May 7; v. 250; p. 74.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Machine for attaching flap securing means to envelops. No. 1,274,346; July 30; v. 252; p. 1120.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelop-machine. No. 1,282,314; Oct. 22; v. 255; p. 699.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelop-machine. No. 1,285,839; Nov. 26; v. 256; p. 723.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Coin-controlled vending-machine. No. 1,287,136; Dec. 10; v. 257; p. 269.
Swift, William E., Waverly, Ill. Device to prevent hens from setting. No. 1,274,104; July 30; v. 252; p. 1055.

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Swift, William S., Independence, Mo. Hog-oiler. No. 1,276,591; Aug. 20; v. 253; p. 685.
Swiggart, Will D., Fulton, Ky. Planter. No. 1,281,873; Oct. 15; v. 255; p. 540.
Swihart, Eraphia A., Randall, Kans. Heating attachment for incubators, brooders, and the like. No. 1,283,962; Nov. 5; v. 256; p. 138.
Swimmer, Robert, New York, N. Y. Gas-cock. No. 1,262,715; Apr. 16; v. 249; p. 544.
Swingle, Charles E., Luzerne, Pa. Lifting device. No. 1,264,579; Apr. 30; v. 249; p. 1116.
Swingle, Charles M., Cleveland, Ohio. Electrotherapeutic rejuvenator. No. 1,253,107; Jan. 8; v. 246; p. 518.
Swingle, Charles M., Cleveland, Ohio. Cut-off valve. No. 1,259,564; Mar. 19; v. 248; p. 536.
Swingle, Charles M., Cleveland, Ohio. Vehicle suspension. No. 1,289,956; Dec. 31; v. 257; p. 1045.
Swingle, George S., assignor of one-half to B. Davis, Byesville, Ohio. Convertible chair. No. 1,279,064; Sept. 17; v. 254; p. 524.
Swinehart, James A., Akron, Ohio. Means for making rubber tires. No. 1,276,592; Aug. 20; v. 253; p. 685.
Swisher, Frank E., Hoopeston, Ill. Corn-husker. No. 1,252,734; Jan. 8; v. 246; p. 408.
Swiss Manufacturing Company. (See Lutolf, Joseph, assignor.)
Swoboda, Adolph R., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Polarized repeating sounder. No. 1,265,830; May 14; v. 250; p. 293.
Swoboda, Boleslaw. (See Swoboda, Wilhelm and B.)
Swoboda, Wilhelm, Alton, and B. Swoboda, East St. Louis, Ill. Railway safety-signal. No. 1,271,831; July 9; v. 252; p. 333.
Swofford, Marvin L., Justin, Tex. Motor-driven header and binder. No. 1,263,001; Apr. 16; v. 249; p. 626.
Swope, David, Merchantville, N. J. Automatic take-up attachment for portable-telephone conductors. No. 1,276,825; Aug. 27; v. 253; p. 784.
Swope, Luther R., Hanover, Pa. Antiskid device for motor-vehicles. No. 1,266,345; May 14; v. 250; p. 436.
Sydeman, Abram. (See Rollins, George E., assignor.)
Syger, Alexander P., Detroit, Mich. Internal-combustion engine. No. 1,255,664; Feb. 5; v. 247; p. 159.
Syjud, Frank, Detroit, Mich. Bevel-protractor. No. 1,278,251; Sept. 10; v. 254; p. 276.
Sykes, Adelbert. (See Myers, Melvin A., assignor.)
Sykes, Brook, Toronto, Ontario, Canada. Calendar. No. 1,251,838; Jan. 1; v. 246; p. 121.
Sylvan, Joseph, assignor of one-half to L. A. Ruda, Chicago, Ill. Window. No. 1,282,979; Oct. 29; v. 255; p. 910.
Sylvander, Charles R., assignor to Mason Machine Works, Taunton, Mass. Feed-roll for spinning-machines. No. 1,264,452; Apr. 30; v. 249; p. 1081.
Sylvester, Walter I., Marcus, Iowa. Foot-throttle for Ford autos. No. 1,276,991; Aug. 27; v. 253; p. 828.
Symanzik, Franz, Schweinfurt, Germany. Lubricating device of ball-bearings. No. 1,288,276; Dec. 17; v. 257; p. 582.
Symanzik, Franz, Schweinfurt, Germany. Packing device for bearing-boxes. No. 1,288,277; Dec. 17; v. 257; p. 582.
Symonds, George P., assignor to Alberger Pump and Condenser Company, New York, N. Y. Multisplitter spray-nozzle. No. 1,273,200; July 23; v. 252; p. 772.
Symonds, John K. (See Casper and Symonds.)
Symmes, Ernest M., Bacchus, Utah, assignor to Hercules Powder Company, Wilmington, Del. Producing sodium sulfid. No. 1,289,016; Dec. 24; v. 257; p. 788.
Symons Brothers Company. (See Symons, Edgar B., assignor.)
Symons, Edgar B., assignor to Symons Brothers Company, Winnetka, Ill. Crushing-machine. No. 1,256,843; Feb. 19; v. 247; p. 582.
Symons, Edgar B., Chicago, Ill. Rotating-ring crushing-machine. No. 1,264,347; Apr. 30; v. 249; p. 1050.
Syndicate Scales Company. (See Eggleston, Robert M., asignor.)
Synon, Thomas H. (See Fowler, Thomas G., assignor.)
Synthetic Patents Co. (See Bauer and Herre, assignors.)
Synthetic Patents Co. (See Callsen, Jurgen, assignor.)
Synthetic Patents Co. (See Hagemann, Carl, assignor.)
Synthetic Patents Co. (See Kropp, Walter, assignor.)
Synthetic Patents Co. (See Walther, Hans, assignor.)
Sypho-Chemical Sprinkler Corporation. (See Hamilton, John R., assignor.)
Sypho-Chemical Sprinkler Corporation. (See Thompson, Everett L., assignor.)
Sypho-Chemical Sprinkler Corporation. (See Thompson and Tribken, assignors.)
Syracuse Chilled Plow Company. (See Lee, William H., assignor.)
Syred, Frank W., High Wycombe, England. Expanding table. No. 1,270,458; June 25; v. 251; p. 738.
Szabat, Walenty, Depue, Ill. Horological device. No. 1,252,735; Jan. 8; v. 246; p. 408.
Szabo, Stephen, Philadelphia, Pa. Puzzle. No. 1,263,960; Apr. 23; v. 249; p. 912.
Szafranski, Casey, South Chicago, Ill. Wire-cutting bayonet. No. 1,266,640; May 21; v. 250; p. 548.
Szafranski, Ignac, Schenectady, N. Y. Trolley-pole construction. No. 1,289,572; Dec. 31; v. 257; p. 951.
Szakacs, Bertalan, Hardieville, Alberta, Canada. Resilient wheel. No. 1,252,736; Jan. 8; v. 246; p. 408.
Szalewicz, Tomasz. (See Elwertoski, Antoni, assignor.)
Szarka, August. (See Rudai and Szarka.)
Szczesny, Frank, Ashuelot, N. H. Soldier's protector. No. 1,282,315; Oct. 22; v. 255; p. 699.
Szekely, Otto E., Rock Island, assignor to Velie Motors Corporation, Moline, Ill. Clarifier. No. 1,267,606; May 28; v. 250; p. 844.
Szeredi, Kalman, Cleveland, Ohio. Automatic gas-valve. No. 1,280,899; Oct. 8; v. 255; p. 244.
Szewczuk, Fedor, Flint, Mich. Hay-drying device. No. 1,281,874; Oct. 15; v. 255; p. 540.
Szewczuk, Fedor, Flint, Mich. Floor-cleaning machine. No. 1,283,355; Oct. 29; v. 255; p. 1009.
Szinnyei, Stephan, *et al.* (See Szücs, Stephen, assignor.)
Szoke, Joseph. (See Schenk and Szoke.)
Szmyt, Franciszek, Bayonne, N. J. War protecting-suit. No. 1,269,019; June 11; v. 251; p. 286.
Szmyt, Franciszek, Collinsville, Okla. Bullet-shield. No. 1,270,343; June 25; v. 251; p. 707.
Szücs, Stephen, assignor of one-fifth to E. Miko, one-fifth to G. Zombory, and one-fifth to S. Szinnyei, Homestead, Pa. Parachute. No. 1,278,253; Sept. 10; v. 254; p. 276.
Szydlowski, Paul, Hamtramck, Mich. Steering-wheel lock for motor-driven vehicles. No. 1,267,476; May 28; v. 250; p. 806.
T. Geo. Stiles Company, The. (See Stiles, Thomas G., assignor.)
T. A. Willson & Co. (See Shindel, Harry F., assignor.)
T. A. Willson & Co. (See Willson, Frederick, assignor.)
T. B. Toy Company. (See Baker, Alfred Z., assignor.)
T. L. Smith Company, The. (See Brackenbury, Edward W., assignor.)
T. M. Chapman's Sons' Company. (See Chapman, Ralph W., assignor.)
T. R. Almond Manufacturing Company. (See Hubbell, Henry S., assignor.)
T. R. Arden Co. (See Arden, Thomas R., assignor.)
T. W. Snow Construction Company. (See Kelleher, Thomas E., assignor.)
T. W. & C. B. Sheridan Co. *et al.* (See Pachter, Peter, assignor.) (Reissue.)
T. W. & C. B. Sheridan Company *et al.* (See Blake, Jesse E., assignor.)
T. W. & C. B. Sheridan Company *et al.* (See Bredenberg, Alfred, assignor.)
Taber, Arthur P., Red Wing, Minn. Loop-forming mechanism for moving-picture machines. No. 1,258,499; Mar. 5; v. 248; p. 160.
Taber Carbureter Company, The. (See Taber, George H., assignor.)
Taber, Everett S., assignor to Samson Electric Company, Canton, Mass. Electric alarm. No. 1,254,864; Jan. 29; v. 246; p. 1107.
Taber, George H., Binghamton, N. Y. Cut-out valve. No. 1,265,971; May 14; v. 250; p. 333.
Taber, George H., assignor to The Taber Carbureter Company, Inc., Binghamton, N. Y. Air-valve for carbureters. No. 1,254,084; Jan. 22; v. 246; p. 849.
Taber, William V., Not, Mo. Nut-lock. No. 1,261,646; Apr. 2; v. 249; p. 186.
Tabler, John H., Lanham, Md. Buckle. No. 1,264,996; May 7; v. 250; p. 35.
Tabor, Edward P., assignor of one-fourth to H. S. Hurlbut, Worcester, Mass. Rail-grinder. No. 1,260,475; Mar. 26; v. 248; p. 830.
Tabor Manufacturing Company, The. (See Lewis, Wilfred, assignor.)
Tabrah, Joseph, Buffalo, N. Y., assignor to Inventors Products Company, Inc. Towel-holder. No. 1,289,017; Dec. 24; v. 257; p. 788.
Tabulating Machine Company, The. (See Braitmayer, Otto E., assignor.)
Tabulating Machine Company, The. (See Buck, George B., assignor.)
Tacchi, Percy G., New Wanstead, assignor to The Centrum Syndicate Limited, London, England. Internal-combustion engine. No. 1,264,580; Apr. 30; v. 249; p. 1117.
Tacchi, Percy G., New Wanstead, assignor to Centrum Syndicate Limited, Leeds Place, London, England. Rotating-cylinder internal-combustion engine. No. 1,286,142; Nov. 26; v. 256; p. 796.
Tacchi, Percy G., New Wanstead, England, assignor to Centrum Syndicate Limited, Tollington Park, London, England. Rotating-cylinder internal-combustion engine. No. 1,288,278; Dec. 17; v. 257; p. 583.
Tacoma, Johannes, and C. de Vleeschouwer, Amsterdam, Netherlands. Mechanism for moving doors. No. 1,286,143; Nov. 26; v. 256; p. 796.
Tacon, Eva, Mobile, Ala. Combination garment-protector. No. 1,252,136; Apr. 9; v. 249; p. 352.
Tactkian, Stephen, New York, N. Y. Measuring device for fluid-tanks. No. 1,269,020; June 11; v. 251; p. 286.
Tactkian, Stephen, New York, N. Y. Camera. No. 1,269,021; June 11; v. 251; p. 286.

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Tacy, Charles, Batavia, N. Y. Potato-digger. No. 1,276,441; Aug. 20; v. 253; p. 643.
Tada, Tametaro, Tokushima, Ken, Japan. Preparing gelatin. No. 1,271,960; July 9; v. 252; p. 370.
Tadejevich, Simeon, San Francisco, Cal. Strainer. No. 1,276,992; Aug. 27; v. 253; p. 828.
Tadini, Gerome F., New York, N. Y. Coupling. No. 1,269,335; June 11; v. 251; p. 375.
Tadkowski, Frank, Baltimore, Md. Plow. No. 1,262,867; Apr. 16; v. 249; p. 588.
Taft, Harrison F., Seattle, Wash. Stopper for tremie-tubes. No. 1,256,074; Feb. 12; v. 247; p. 319.
Taft, John A., assignor to Reagan Bale Company, San Antonio, Tex. Bearing for baling-presses. No. 1,251,936; Jan. 1; v. 246; p. 146.
Taft, John A., assignor to Reagan Bale Company, San Antonio, Tex. Method and apparatus for baling cotton and the like. No. 1,265,972; May 14; v. 250; p. 334.
Taft, John A., assignor to Reagan Bale Company, San Antonio, Tex. Bale-core-operating device. No. 1,272,724; July 16; v. 252; p. 614.
Taft-Peirce Manufacturing Company, The. (See Bryant, Elmer J., assignor.)
Taft-Peirce Manufacturing Company, The. (See James, William A., assignor.)
Taft-Peirce Manufacturing Company, The. (See Martell, Albert A., assignor.)
Taft-Peirce Manufacturing Company, The. (See Simmons, Frank L., assignor.)
Taft, Ryland L., Hartford, Conn., assignor to The Hartford Rubber Works Co. Bead-trimming machine. No. 1,270,459; June 25; v. 251; p. 738.
Taggart, Dawson M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,276,442; Aug. 20; v. 253; p. 644.
Taggart, George H., New York, N. Y. Automatic stop for phonographs. No. 1,286,833; Dec. 3; v. 257; p. 154.
Tagliabue, Charles J. (See Schneider, Ralph F., assignor.)
Tagliabue, Charles J., Brooklyn, N. Y., assignor to C. J. Tagliabue Manufacturing Company. Oil-tester. No. 1,263,145; Apr. 16; v. 249; p. 668.
Tailors' Accessories Company, The. (See Long, Adam A., assignor.)
Tainter, Edwin M., Viroqua, Wis. Cable-clamp. No. 1,278,785; Sept. 10; v. 254; p. 418.
Tainter, Simon S., Weld, assignor of one-half to G. O. Gardner, Dixfield, Me. Collapsible paste-tube. No. 1,256,075; Feb. 12; v. 247; p. 320.
Tainter, Simon S., Weld, assignor of one-half to G. O. Gardner, Dixfield, Me. Collapsible paste-tube. No. 1,275,495; Aug. 13; v. 253; p. 347.
Taira, Kamezo, and K. Masuda, Denver, Colo. Passenger life-buoy. No. 1,276,826; Aug. 27; v. 253; p. 784.
Tait, Godfrey M. S. (See Lucas and Tait.)
Tait, Godfrey M. S., Washington, D. C., assignor to H. M. Marble, Newark, N. J. Tar-extractor. No. 1,262,571; Apr. 9; v. 249; p. 475.
Takach, Nicholas M., Bridgeville, N. Y. Pneumatic mattress. No. 1,282,980; Oct. 29; v. 255; p. 910.
Takahashi, Benjamin M., Harlowton, Mont. Lens-shielding attachment for cameras. No. 1,262,137; Apr. 9; v. 249; p. 352.
Takahashi, Benjamin M., Harlowton, Mont. Lens-shielding attachment for cameras. No. 1,283,963; Nov. 5; v. 256; p. 138.
Takahashi, Tsutomu, San Francisco, Cal. Tailor's measuring instrument. No. 1,288,279; Dec. 17; v. 257; p. 583.
Takamine, Jokichi, New York, N. Y. Producing diastatic product. No. 1,263,817; Apr. 23; v. 249; p. 871.
Takamine, Jokichi, Jr., New York, N. Y. Ice or water bag. No. 1,264,710; Apr. 30; v. 249; p. 1152.
Takamine, Jokichi, New York, N. Y., and S. Satow, Sendai, Japan. Obtaining proteid matter from corn. No. 1,275,324; Aug. 13; v. 253; p. 301.
Takeshima Yasuparo, Tokyo, Japan. Manufacturing aluminium oxid from aluminium silicate or a substance containing aluminium silicate and obtaining sodium carbonate as a by-product. No. 1,277,503; Sept. 3; v. 254; p. 48.
Taketoshi, Chobey, San Francisco, Cal. Convertible automobile. No. 1,279,609; Sept. 24; v. 254; p. 695.
Takeuchi, Masayoshi, Seattle, Wash. Fish-line reel and case. No. 1,256,278; Feb. 12; v. 247; p. 381.
Talbert, Daniel H., Indianapolis, Ind., and C. W. Carter, Minneapolis, Minn., assignors to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Corn-popping machine. No. 1,272,725; July 16; v. 252; p. 614.
Talbert, William W., Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,263,624; Apr. 23; v. 249; p. 819.
Talbot, Adjutor L. P., Montreal, Quebec, Canada. Propelling means for boats. No. 1,289,038; Dec. 24; v. 257; p. 793.
Talbot, Benjamin, Middlesborough, England. Ingot-mold for the manufacture of steel. No. 1,279,037; Sept. 17; v. 254; p. 517.
Talbot, William P., New York, N. Y. Mailing-box. No. 1,281,701; Oct. 15; v. 255; p. 491.
Talbot, William W., assignor of one-half to Akron Tire and Rubber Company, Inc., Baltimore, Md. Pressure-gage. No. 1,271,802; July 9; v. 252; p. 325.
Talbot, William W., New York, N. Y., assignor of one-half to A. T. Poehlmann, Baltimore, Md. Non-skid armor for wheel-tires. No. 1,273,688; July 23; v. 252; p. 901.
Talcott, Frank. (See Shoenberg and Talcott.)
Talge, John H., Indianapolis, Ind. Structural member for airplanes. No. 1,276,993; Aug. 27; v. 253; p. 828.
Taliaferro, Edward E., Colorado Springs, Colo. Shoe-blacking machine. No. 1,261,316; Apr. 2; v. 249; p. 92.
Taliaferro, Edward E., Colorado Springs, Colo. Talking-machine motor. No. 1,261,969; Apr. 9; v. 249; p. 307.
Taliaferro, Edward E., Colorado Springs, Colo. Shoe-blacking machine. No. 1,266,082; May 14; v. 250; p. 363.
Taliaferro, John C. (See Warme and Taliaferro.)
Taliaferro, John C., Baltimore, Md., assignor to Continental Can Company, Incorporated, Syracuse, N. Y. Device for feeding filled cans to closing-machines. No. 1,263,146; Apr. 16; v. 249; p. 668.
Taliaferro, John C., Baltimore, Md., assignor to Continental Can Company, Incorporated, Syracuse, N. Y. Exhaust-box for canning machinery. No. 1,274,956; Aug. 6; v. 253; p. 175.
Taliaferro, James R. (See Simpson, Fred D., assignor.)
Taliani, Michele, Isola Liri, Italy. Apparatus for the catalytic oxidation of ammonia. No. 1,270,989; July 2; v. 252; p. 68.
Talkington, Brant, Harrington, Wash. Clevis. No. 1,267,477; May 28; v. 250; p. 807.
Talley, Edward F., assignor of one-half to R. S. Kelly, Webb City, Mo. Grade-crossing gate. No. 1,261,647; Apr. 2; v. 249; p. 186.
Talley, Edwin R., Grinnell, Iowa. Artificial rubber. No. 1,285,463; Nov. 19; v. 256; p. 588.
Tallmadge, Fred E. (See Snider, Percy M., assignor.)
Tallman, Joseph G., Philadelphia, Pa. Pipe-coupling. No. 1,282,491; Oct. 22; v. 255; p. 747.
Tallman, Oscar F., and F. E. Hubert, assignors to W. N. Matthews and Brother, Inc., St. Louis, Mo. Line-testing instrument. No. 1,257,651; Feb. 26; v. 247; p. 854.
Talmage Manufacturing Company, The. (See Lickley, Ralph M., assignor.)
Talnoper, David H., New York, N. Y. Adjustable die-holder for punch-presses and the like. No. 1,256,615; Feb. 19; v. 247; p. 516.
Talpo, Adolfo. (See Bettinardi and Talpo.)
Tamaki, Yosi, Los Angeles, Cal. Metal tread attachment for tires. No. 1,257,763; Feb. 26; v. 247; p. 887.
Tamari, Shosuke, Tokyo, Japan. Luting composition and producing the same. No. 1,281,702; Oct. 15; v. 255; p. 492.
Tamas, John, Cleveland, Ohio. Security-pocket. No. 1,257,048; Feb. 19; v. 247; p. 643.
Tambacopolo, Constantine E. M., New York, N. Y. Automatic cable-attacher for salvage-work. No. 1,289,957; Dec. 31; v. 257; p. 1045.
Tamburello, Benedetto, New York, N. Y. Wheel-rim for pneumatic tires. No. 1,289,958; Dec. 31; v. 257; p. 1046.
Tamburini, Matteo, Paterson, N. J. Lock. No. 1,261,181; Apr. 2; v. 249; p. 53.
Tamm, Arthur P., Milwaukee, Wis., assignor to Universal Concrete Products Company, Chicago, Ill. Concrete-pole-forming process. No. 1,262,868; Apr. 16; v. 249; p. 588.
Tammen, Tamme R., Parkersburg, Iowa. Calendar. No. 1,268,407; June 4; v. 251; p. 96.
Tamol, Adam, Sloan, N. Y. Runner for baby-carriages. No. 1,260,476; Mar. 26; v. 248; p. 831.
Tanabe, Hakulyo C., Marysville, Cal. Amusement device. No. 1,267,931; May 28; v. 250; p. 936.
Tanabe, Hakulyo C., Marysville, Cal. Amusement apparatus. No. 1,277,272; Aug. 27; v. 253; p. 903.
Tanabe, Hakulyo C., assignor of one-third to K. Sasaki, Marysville, Cal. Window-seat. No. 1,280,581; Oct. 1; v. 255; p. 129.
Tanaka, Kichizo, Nakashima Gun, Aichi Ken, Japan. Degumming silk, silk waste, and the like. No. 1,268,513; June 4; v. 251; p. 126.
Tanaka, Tomoichiro, Hongo-ku Tokyo, Japan. Sulfur soap. No. 1,278,518; Sept. 10; v. 254; p. 346.
Tandy, John C., Chloride, N. Mex. Collapsible bed. No. 1,261,869; Apr. 9; v. 249; p. 280.
Tandy, John L., Kansas City, Mo. Wire mattress fabric. No. 1,259,315; Mar. 12; v. 248; p. 433.
Tangerman, William J., Hammond, Ind. Tank-car anchorage. No. 1,261,182; Apr. 2; v. 249; p. 54.
Tangerman, William J., Hammond, Ind. Tank-car-heating means. No. 1,261,183; Apr. 2; v. 249; p. 54.
Tanimura, Tagiro, Rock Springs, Wyo. Fountain-pen No. 1,267,288; May 21; v. 250; p. 727.
Tankersley, Winston. (See Cargal and Tankersley.)
Tannaka, Naho, Boston, Mass. Telephone-receiver. No. 1,252,056; Jan. 1; v. 246; p. 181.
Tannaka, Naho, Boston, Mass. Telephone-transmitter. No. 1,252,057; Jan. 1; v. 246; p. 182.

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Tannaka, Naho, New York, N. Y. Telephone-transmitter. No. 1,288,743; Dec. 24; v. 257; p. 723.
Tannar, Alpheus H., Mapleton, Kans. Road-drag. No. 1,271,099; July 2; v. 252; p. 97.
Tannenbaum, Elkan A., Denver, Colo. Envelop. No. 1,258,062; Mar. 5; v. 248; p. 33.
Tanner, Arnold J. (See Paul and Tanner.)
Tanner, Emil E., Milwaukee, Wis. Safety device for elevators. No. 1,252,737; Jan. 8; v. 246; p. 409.
Tanner, Guy F., *et al.* (See Watson, Hugh W., assignor.)
Tanner, Harry L. (See Ford and Tanner.)
Tanner, Harry L., assignor to Sperry Gyroscope Company, Brooklyn, N. Y. System of electrical distribution. No. 1,276,827; Aug. 27; v. 253; p. 785.
Tanner, Thomas E., Sheridan township, Mecosta county, Mich. Extension-ladder. No. 1,277,504; Sept. 3; v. 254; p. 48.
Tannler, Marie, Portland, Oreg. Hat-securing means. No. 1,276,828; Aug. 27; v. 253; p. 785.
Tanron, Charles, San Francisco, Cal. Writing-board for the blind. No. 1,263,147; Apr. 16; v. 249; p. 668.
Tanquary, Charles G., and W. J. Caldwell, Henryetta, Okla. Automobile pulling device. No. 1,282,316; Oct. 22; v. 255; p. 699.
Tansley, George H. (See Chadwick and Tansley.)
Tanzer, Gottwerth L., Seattle, Wash. Motor-driven cable-supported carrier. No. 1,276,443; Aug. 20; v. 253; p. 644.
Tanzi, Guido, assignor to Ginevra Macaroni Mold Company, St. Louis, Mo. Die construction. No. 1,269,878; June 18; v. 251; p. 557.
Tappe, Edward A., Los Angeles, assignor to G. Q. Chase, San Francisco, Cal. Player-piano. No. 1,278,807; Sept. 10; v. 254; p. 424.
Tappen, Alexander B., Ossining, N. Y. Reinforcement for concrete coverings. No. 1,255,244; Feb. 5; v. 247; p. 37.
Tarasch, Louis C., Brooklyn, assignor to Penny Package Corporation, New York, N. Y. Vending-machine. No. 1,254,085; Jan. 22; v. 246; p. 849.
Tarasch, Louis C., assignor to Penny Package Corporation, New York, N. Y. Vending-machine. No. 1,265,831; May 14; v. 250; p. 293.
Tarassoff, Konstantin, Moscow, and P. Shestakoff, Petrograd, Russia. Obtaining hard products of condensation of phenols and formaldehyde. No. 1,252,507; Jan. 8; v. 246; p. 342.
Tarbell, James W. (See Tarbell, Leonard F. and J. W.)
Tarbell, Leonard F., Dayton, N. Y., and J. W. Tarbell, Lansing, Mich. Forge. No. 1,285,464; Nov. 19; v. 256; p. 588.
Tarbet, Clarence W., Chicago, Ill. Metal-mold. No. 1,264,453; Apr. 30; v. 249; p. 1081.
Tarbox, John P., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Assembly-form for aeroplane-wings. No. 1,271,386; July 2; v. 252; p. 177.
Targosky, Peter, Cleveland, Ohio. Combined seeding-machine and manure-spreader. No. 1,282,139; Oct. 22; v. 255; p. 652.
Tarnawski, Frank. (See Ostrowiecki, Marcin, assignor.)
Tarpy, Austin, Brussels, Ill. Convertible wagon-body. No. 1,258,500; Mar. 5; v. 248; p. 160.
Tarr, William A., Bethany, assignor of one-half to A. C. Jobes, Wheeling, W. Va. Antiskid attachment for wheels. No. 1,254,448; Jan. 22; v. 246; p. 952.
Tarrant, Reuben W., Clapham, London, England. Railway and like signaling. No. 1,277,505; Sept. 3; v. 254; p. 48.
Tarrant, Reuben W., London, England. Railway and like signaling. No. 1,280,582; Oct. 1; v. 255; p. 130.
Tartaglione, Joseph, Paterson, N. J. Shuttle. No. 1,254,169; Jan. 22; v. 246; p. 873.
Tartt, John J., Los Angeles, Cal. Panoramagraph. No. 1,282,006; Oct. 15; v. 255; p. 573.
Tascarella, Salvador, Brooklyn, N. Y. Orthopedic table. No. 1,257,764; Feb. 26; v. 247; p. 888.
Tascarella, Salvador, Brooklyn, N. Y. Orthopedic table. No. 1,287,513; Dec. 10; v. 257; p. 361.
Tata, Ratan. (See Bhisey, Shanker A., assignor.)
Tataryn, Petro, Chester, Pa. Winged parachute. No. 1,257,049; Feb. 19; v. 247; p. 644.
Tataryn, Petro, Chester, Pa. Lawn-mower. No. 1,279,038; Sept. 17; v. 254; p. 517.
Tate, Aaron W., Gerty, Okla. Milk-jar stand. No. 1,280,584; Oct. 1; v. 255; p. 130.
Tate, Clyde L., Palmer, Mass. Mop. No. 1,278,787; Sept. 10; v. 254; p. 418.
Tate, Ervin W., Dexter, assignor to National Metal Seal Corporation, Deering Junction, Portland, Me. Closure-applying tool. No. 1,261,458; Apr. 2; v. 249; p. 132.
Tate, John B., Altoona, Pa. Fuel-tank-sealing valve. No. 1,271,521; July 2; v. 252; p. 214.
Tate, Jones & Company. (See Buell, William C., Jr., assignor.)
Tate, Samuel G., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,261,970; Apr. 9; v. 249; p. 307.
Tate, Samuel G., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,265,278; May 7; v. 250; p. 112.
Tate, Samuel G., assignor to Union Special Machine Company, Chicago, Ill. Thread-laying mechanism for sewing-machines. No. 1,268,894; June 11; v. 251; p. 251.
Tate, Samuel G., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,271,240; July 2; v. 252; p. 138.
Tate, Samuel G., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,271,241; July 2; v. 252; p. 139.
Tatro, Rene E., Kankakee, Ill. Vending-machine. No. 1,275,323; Aug. 13; v. 253; p. 301.
Tattersall, James G., Niagara Falls, N. Y. Saw-guard and splitter. No. 1,258,961; Mar. 12; v. 248; p. 332.
Tatulis, Steven B., Chicago, Ill. Floor-washing machine. No. 1,271,629; July 9; v. 252; p. 278.
Tatum, James W., Durham, N. C. Coal-grate. No. 1,261,068; Apr. 2; v. 249; p. 22.
Tatum, John J., Baltimore, Md. Stake-holder for flat-cars. No. 1,277,774; Sept. 3; v. 254; p. 124.
Tatum, John J., Baltimore, Md. Stake holder for flat-cars. No. 1,277,775; Sept. 3; v. 254; p. 124.
Tatum, John J., Baltimore, Md. Draft-rigging. No. 1,279,175; Sept. 17; v. 254; p. 552.
Tatum, John J., Baltimore, Md. Draft-rigging. No. 1,279,176; Sept. 17; v. 254; p. 552.
Tatum, John J., Baltimore, Md. Journal-box. No. 1,288,280; Dec. 17; v. 257; p. 583.
Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,258,721; Mar. 12; v. 248; p. 263.
Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Automatic weighing device. No. 1,274,209; July 30; v. 252; p. 1085.
Taty, Jeanne, Paris, France. Helmet for combatants. No. 1,260,093; Mar. 19; v. 248; p. 689.
Taube, Clarence W., Niagara Falls, N. Y. Battery-cover. No. 1,276,593; Aug. 20; v. 253; p. 685.
Tauber, Joseph F., Lidgerwood, N. D. Mail-box. No. 1,286,144; Nov. 26; v. 256; p. 796.
Taurman, Alphonso, Richmond, Va. Switch-tongue-control device. No. 1,288,744; Dec. 24; v. 257; p. 723.
Tausch, Joseph H., Waukegan, Ill., assignor to P. F. Brown, Lubbock, Tex. Automobile-headlight. No. 1,278,519; Sept. 10; v. 254; p. 346.
Taussig, Joseph, Chicago, Ill. Bracket. No. 1,254,170; Jan. 22; v. 246; p. 873.
Taussig, Joseph, Chicago, Ill. Bracket. No. 1,283,964; Nov. 5; v. 256; p. 138.
Tavani, Luigi, and B. Santirocco, West Chester, Pa. Mechanism for drying macaroni. No. 1,255,350; Feb. 5; v. 247; p. 68.
Taveau, René D., assignor to The Atlantic Refining Company, Philadelphia, Pa. Petroleum product and process of making the same. No. 1,271,387; July 2; v. 252; p. 177.
Tavra, George, Eureka, Cal. Combination-padlock. No. 1,265,136; May 7; v. 250; p. 74.
Taximeter Register Company, The. (See Maxwell, George S., assignor.)
Taye, William A., Cincinnati, Ohio. Direction-signal for automobiles. No. 1,274,347; July 30; v. 252; p. 1121.
Tayloe, James L., Owensville, Mo. Windmill. No. 1,265,137; May 7; v. 250; p. 74.
Taylor, Aiken C., Washington, D. C. Convertible bed. No. 1,289,959; Dec. 31; v. 257; p. 1046.
Taylor, Aiken C., Richmond, assignor to E. P. Summerfield, Norfolk, Va. Weatherproof window-bead. No. 1,286,445; Dec. 3; v. 257; p. 65.
Taylor, Albert H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Spike-holder for spike-driving machines. No. 1,284,815; Nov. 12; v. 256; p. 384.
Taylor, Albertis C., assignor to The Winfield Manufacturing Company, Warren, Ohio. Electric riveting-machine. No. 1,261,971; Apr. 9; v. 249; p. 308.
Taylor, Albertis C., assignor to The Winfield Manufacturing Company, Warren, Ohio. Electric riveting-machine. No. 1,261,972; Apr. 9; v. 249; p. 308.
Taylor, Albertis C., assignor to The Winfield Manufacturing Company, Warren, Ohio. Electric riveting-machine. No. 1,261,973; Apr. 9; v. 249; p. 308.
Taylor, Alfred, and P. W. Gray, York, England. Marine range-finder. No. 1,257,765; Feb. 26; v. 247; p. 888.
Taylor, Alfred, and P. W. Gray, York, England. Telemeter or range-finder. No. 1,281,703; Oct. 15; v. 255; p. 492.
Taylor, Alpha O., Bluecreek, W. Va. Calipers. No. 1,269,336; June 11; v. 251; p. 375.
Taylor, Alvin M., Hegewisch, Ill., assignor to General Chemical Company, New York, N. Y. Gas-producer. No. 1,275,789; Aug. 13; v. 253; p. 430.
Taylor, Arthur A., and H. J. Schatz, Omaha, Nebr. Combined fire and burglar alarm. No. 1,252,196; Jan. 1; v. 246; p. 219.
Taylor, Arthur B., Detroit, Mich. Chain. No. 1,270,460; June 25; v. 251; p. 739.
Taylor, Bayard E., Oak Park, Ill. Collapsible shipping-crate. No. 1,263,294; Apr. 16; v. 249; p. 706.
Taylor, Bayard E., Oak Park, Ill. Door-latch. No. 1,278,254; Sept. 10; v. 254; p. 276.

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Taylor, Bliss P., Muncie, assignor of one-half to W. R. Stratton, Redkey, Ind. Cushion-tire. No. 1,289,018; Dec. 24; v. 257; p. 789.
Taylor, Carroll M., Coatesville, Pa. Armored war-automobile. No. 1,276,444; Aug. 20; v. 253; p. 644.
Taylor, Cecil A. (See Sinsabaugh, Charles F., assignor.)
Taylor, Cecil H., Alma, Mich. Universal joint. No. 1,253,108; Jan. 8; v. 246; p. 518.
Taylor, Cecil H., Detroit, Mich. Transmission-gearing for automobiles. No. 1,255,665; Feb. 5; v. 247; p. 159.
Taylor, Cecil H., Detroit, Mich. Running-gear for automobiles. No. 1,288,281; Dec. 17; v. 257; p. 583.
Taylor, Cecil H., and B. B. Neuteboom, Detroit, Mich. Magneto driving apparatus. No. 1,262,406; Apr. 9; v. 249; p. 428.
Taylor, Cecil H., and B. B. Neuteboom, Detroit, Mich. Casting for internal-combustion engines. No. 1,274,105; July 30; v. 252; p. 1055.
Taylor, Charles E., Hillsboro, Ill. Briquet-molding machine. No. 1,265,138; May 7; v. 250; p. 75.
Taylor, Charles E., Jr., Angleton, Tex. Barrel-support. No. 1,261,184; Apr. 2; v. 249; p. 54.
Taylor, Charles H., Toronto, Ontario, Canada. Thread or worm cutter. No. 1,273,421; July 23; v. 252; p. 830.
Taylor, Charles H., Toronto, Ontario, Canada. Thread-cutter. No. 1,276,445; Aug. 20; v. 253; p. 645.
Taylor, Charles W. A., Dunston-upon-Tyne, England. Apparatus for lowering and heaving ships' boats. No. 1,283,965; Nov. 5; v. 256; p. 138.
Taylor, Clarence W., assignor to Natural Differential Co., Chicago, Ill. Differential mechanism. No. 1,270,897; July 2; v. 252; p. 41.
Taylor, Daniel, Dunedin, New Zealand. Binder-file. No. 1,275,104; Aug. 6; v. 253; p. 216.
Taylor, David O., West Point, Miss. Scoop. No. 1,266,881; May 21; v. 250; p. 614.
Taylor, Edward, Chicago, Ill., assignor to General Electric Company. Automatic substation. No. 1,281,875; Oct. 15; v. 255; p. 540.
Taylor Electric Truck Co. (See Taylor, John, assignor.)
Taylor, Elmer Z., Newark, assignor to American Mona Service Company, Atlantic City, N. J. Machinery for the manufacture of conical tubes of paper or the like. No. 1,283,966; Nov. 5; v. 256; p. 139.
Taylor, Elmore R., Ducor, Cal. Rack for automobile-steps. No. 1,273,787; July 23; v. 252; p. 926.
Taylor, Ernest J., Needham Heights, Mass. Spark-plug. No. 1,279,610; Sept. 24; v. 254; p. 696.
Taylor, Eugene H., deceased, Hyde Park, Mass.; G. A. Taylor, administrator. Insole-trimming machine. No. 1,254,549; Jan. 22; v. 246; p. 982.
Taylor, Eugene H., deceased, Hyde Park, Mass.; G. A. Taylor administrator. Cutting and scoring machine. No. 1,255,810; Feb. 5; v. 247; p. 201.
Taylor, Francisco L., Monclova, Mex. Combination-lock. No. 1,275,991; Aug. 13; v. 253; p. 487.
Taylor, Frank B. (See Millard and Taylor.)
Taylor, Frank G., Sturgis, Mich. Hub-cap. No. 1,283,967; Nov. 5; v. 256; p. 139.
Taylor, Frank P., and L. H. Hepp, Brooklyn, N. Y. Making box-liners. No. 1,278,255; Sept. 10; v. 254; p. 277.
Taylor Fred, Cleveland, Ohio. Wheel structure. No. 1,262,138; Apr. 9; v. 249; p. 353.
Taylor, Fred, Cleveland, Ohio. Demountable rim and felly structure. No. 1,262,139; Apr. 9; v. 249; p. 353.
Taylor, Fred, Cleveland, Ohio. Vehicle-wheel. No. 1,262,140; Apr. 9; v. 249; p. 353.
Taylor, Frederick C., Philadelphia, Pa., assignor to F. McCann, San Francisco, Cal. Portable moving-picture machine. No. 1,281,095; Oct. 8; v. 255; p. 296.
Taylor, Frederick C., Philadelphia, Pa., assignor to F. McCann, San Francisco, Cal. Framing device. No. 1,283,595; Nov. 5; v. 256; p. 41.
Taylor, Frederick C., New York, N. Y., assignor to F. McCann, San Francisco, Cal. Portable projector-case. No. 1,288,282; Dec. 17; v. 257; p. 584.
Taylor, Frederick D., assignor to The Smyth Manufacturing Company, Hartford, Conn. Gumming-machine. No. 1,255,245; Feb. 5; v. 247; p. 37.
Taylor Garnett Evans & Co. (See Smith, Mark, assignor.)
Taylor, George A., administrator. (See Taylor, Eugene H.)
Taylor, George B., Birmingham, England. Bench for supporting and measuring bar or tube lengths and for feeding same to cutting-off machines. No. 1,263,148; Apr. 16; v. 249; p. 669.
Taylor, George B., Birmingham, England. Machine for cutting off pieces from bars. No. 1,288,283; Dec. 17; v. 257; p. 584.
Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding-machine. No. 1,258,824; Mar. 12; v. 248; p. 293.
Taylor, Halsey W., Warren, Ohio. Drinking-fountain. No. 1,286,835; Dec. 3; v. 257; p. 155.
Taylor, Harold B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,253,297; Jan. 15; v. 246; p. 601.
Taylor, Harry A., New York, N. Y. Glove. No. 1,256,391; Feb. 12; v. 247; p. 416.
Taylor, Harry P., Los Angeles, Cal. Automobile-transmission lock. No. 1,281,704; Oct. 15; v. 255; p. 492.
Taylor, Harry P., Los Angeles, Cal. Automobile-transmission lock. No. 1,281,705; Oct. 15; v. 255; p. 493.
Taylor, Harvey B. (See Larner and Taylor.)
Taylor, Henry H., Keokuk, Iowa. Reversible glove. No. 1,272,571; July 16; v. 252; p. 569.
Taylor, Henry W., New York, N. Y. Tannery-waste-disposal process. No. 1,277,776; Sept. 3; v. 254; p. 124.
Taylor, Herbert B., Westfield, N. J., assignor to Hall Switch & Signal Co. Semaphore-blade grip. No. 1,266,346; May 14; v. 250; p. 436.
Taylor, Horace H., Oakland, assignor of one-third to F. J. Mayhew, San Francisco, Cal. Resilient wheel. No. 1,271,100; July 2; v. 252; p. 97.
Taylor, Horace H., Oakland, assignor of one-third to F. J. Mayhew, San Francisco, Cal. Hydraulic vehicle-wheel. No. 1,275,790; Aug. 13; v. 253; p. 430.
Taylor, Horace H., and L. A. Moberry, Oakland, Cal. Pump for vacuum-cleaners. No. 1,261,185; Apr. 2; v. 249; p. 54.
Taylor, Huston, Redford, Mich. Automatic oil-lubricator. No. 1,276,446; Aug. 20; v. 253; p. 645.
Taylor Instrument Companies. (See Howe, James A., assignor.)
Taylor Instrument Companies. (See Norwood and Stalker, assignors.)
Taylor, Israel B., Buffalo, N. Y. Holder for gas-lamp globes. No. 1,283,968; Nov. 5; v. 256; p. 139.
Taylor, Jack E., Cleveland, Ohio. Tire shoe or casing. No. 1,271,388; July 2; v. 252; p. 178.
Tedlock, Jacob E., McFall, Mo. Sugar-bowl. No. 1,256,392; Feb. 12; v. 247; p. 416.
Taylor, James, Hornwich Junction, near Bolton, assignor to Mather & Platt Limited, Manchester, England. Appliance for humidifying warps. No. 1,267,822; May 28; v. 250; p. 905.
Taylor, James A., Waco, assignor of one-third to N. B. Turpin, Richmond, Ky. Spectacle-support. No. 1,288,284; Dec. 17; v. 257; p. 584.
Taylor, James F., Omaha, Nebr. Wheel. No. 1,288,285; Dec. 17; v. 257; p. 584.
Taylor, Jesse E., Croswell, Mich. Fly-trap. No. 1,258,962; Mar. 12; v. 248; p. 332.
Taylor, John, Salt Lake City, Utah. Gas-turbine. No. 1,289,960; Dec. 31; v. 257; p. 1046.
Taylor, John, Albany, assignor to Taylor Electric Truck Co., Troy, N. Y. Car-truck. No. 1,274,348; July 30; v. 252; p. 1121.
Taylor, John B. (See Bixby and Taylor.)
Taylor, John B., Schenectady, N. Y., assignor to General Electric Company. Power indicating and limiting system. No. 1,260,094; Mar. 19; v. 248; p. 689.
Taylor, John H., and F. J. C. Seward, Peoria, Ill.; said Taylor assignor to said Seward. Car-coupling. No. 1,280,330; Oct. 1; v. 255; p. 61.
Taylor, John K., Mahaska, Alberta, Canada. Animal-trap. No. 1,281,876; Oct. 15; v. 255; p. 541.
Taylor, John L., Oakmont, Pa. Metal barge construction. No. 1,253,645; Jan. 15; v. 246; p. 703.
Taylor, John R. (See Fauber, William H., assignor.)
Taylor, Joseph W., New Waterford, Ohio. Hot-work article. No. 1,282,981; Oct. 29; v. 255; p. 910.
Taylor, L. D. (See Bates, Russell A., assignor.)
Taylor, Lawrence S., Nacogdoches, Tex. Wood-splitting machine. No. 1,278,397; Sept. 10; v. 254; p. 314.
Taylor, Leroy B. (See Coleman and Taylor.)
Taylor, Maris S. (See Taylor, Oliver W. and M. S.)
Taylor, Martin, *et al.*, administrators. (See Kocourek, Henry, assignor.)
Taylor, Mattin, *et al.*, administrators. (See Kocourek, Henry, assignor.)
Taylor, Oliver W., Ephrata, and M. S. Taylor, Philadelphia, Pa. Locking device for automobiles. No. 1,284,947; Nov. 12; v. 256; p. 419.
Taylor, Oscar M., assignor of one-half to D. S. Gardner, Memphis, Tenn. Machine for filling capsules. No. 1,280,585; Oct. 1; v. 255; p. 131.
Taylor, Rex H., Rochester, N. Y. Inflated ball. No. 1,279,936; Sept. 24; v. 254; p. 791.
Taylor, Ridley F., and W. W. Wheatley, assignors, by mesne assignments, to W. Horsley, Los Angeles, Cal. Apparatus for producing motion-picture puppet-plays. No. 1,275,496; Aug. 13; v. 253; p. 348.
Taylor, Robert E., The Pas, Manitoba, Canada. Shoe-fastening. No. 1,289,573; Dec. 31; v. 257; p. 951.
Taylor, Roy J. (See Prior and Taylor.)
Taylor, Samuel M., and A. D. Osborn, Blairsden, Cal. Circular-saw machine. No. 1,273,422; July 23; v. 252; p. 830.
Taylor, Thomas H., assignor to S. Silberstein, Pittsburgh, Pa. Removing device for the closure-caps of milk-bottles and other receptacles. No. 1,258,063; Mar. 5; v. 248; p. 33.
Taylor, Walter E., Avalon, Pa. Pump. No. 1,277,273; Aug. 27; v. 253; p. 903.
Taylor-Wharton Iron & Steel Co (See Apgar and Andrews, assignors.)

Taylor, Whilmore R., Germantown, assignor to Eastern Manufacturing Company, Philadelphia, Pa. Fruit and vegetable evaporator. No. 1,267,144; May 21; v. 250; p. 690.
Taylor, William, Leicester, England. Golf-ball. No. 1,286,834; Dec. 3; v. 257; p. 154.
Taylor, William, Ford City, Ontario, Canada, assignor to W. A. Case & Son Manufacturing Company, Buffalo, N. Y. Valve-operating mechanism. No. 1,253,109; Jan. 8; v. 246; p. 519.
Taylor, William, Ford City, Ontario, Canada, assignor to W. A. Case & Son M'f'g Company, Buffalo, N. Y. Lever-operating mechanism. No. 1,276,133; Aug. 20; v. 253; p. 557.
Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Key-opening can. No. 1,254,171; Jan. 22; v. 246; p. 874.
Taylor, William E., assignor to American Can Company, New York, N. Y. Canning apparatus. No. 1,261,186; Apr. 2; v. 249; p. 55.
Taylor, William F., El Reno, Okla. Differential gearing. No. 1,271,101; July 2; v. 252; p. 97.
Taylor, William J. B., Findlater, Saskatchewan, Canada. Screen. No. 1,271,389; July 2; v. 252; p. 178.
Taylor, William O., Limerick, assignor to Wildman Mfg. Co., Norristown, Pa. Stop-motion. No. 1,254,086; Jan. 22; v. 246; p. 850.
Taylor, William O., Limerick, assignor to Wildman Mfg. Co., Norristown, Pa. Stop-motion for knitting-machines. No. 1,254,087; Jan. 22; v. 246; p. 850.
Taylor, William O., Limerick, assignor to Wildman Mfg. Co., Norristown, Pa. Stop-motion for knitting-machines. No. 1,254,088; Jan. 22; v. 246; p. 850.
Teagle Company, The. (See Le Pontois, Leon J., assignor.)
Teagle Company, The. (See Milton, John L., assignor.)
Teague, George J., assignor to H. S. Beckman, Los Angeles, Cal. Camera-actuating means. No. 1,262,284; Apr. 9; v. 249; p. 394.
Teague, Joseph W., Occidental, Cal. Coin-controlled apparel hanger and checker. No. 1,288,286; Dec. 17; v. 257; p. 585.
Teahen, James M., Detroit, Mich. Machine for forming hollow articles of calcium resinate. No. 1,270,748; June 25; v. 251; p. 815.
Teahen, James M., Detroit, Mich. Package. No. 1,272,145; July 9; v. 252; p. 425.
Teason, Adam G., St. Louis, Mo. Vehicle-curtain. No. 1,269,337; June 11; v. 251; p. 375.
Tebbutt, John T., Three Rivers, Quebec, Canada. Shoe. No. 1,262,285; Apr. 9; v. 249; p. 394.
Tebeau, A. C., *et al.* (See Smith, Robert H., assignor.)
Teberg, Frank. (See Lundgren and Teberg.)
Techmer, Fred W. A., La Crosse, Wis. Plow. No. 1,274,815; Aug. 6; v. 253; p. 135.
Technicolor Motion Picture Corporation. (See Comstock, Daniel F., assignor.)
Techno Chemical Laboratories Limited. (See Söderlund and Boberg, assignors.)
Tecktonius, Emil C., assignor to E. C. Tecktonius Manufacturing Company, Racine, Wis. Lug. No. 1,270,461; June 25; v. 251; p. 739.
Tedeschi, Vittorio, and A. G. Rossi, Turin, Italy. Electrical relay. No. 1,289,574; Dec. 31; v. 257; p. 951.
Teed, Charles E. (See Timmerhoff, Ernest, assignor.)
Teed, Edgar G., Butte, Mont. Oil-burner. No. 1,251,839; Jan. 1; v. 246; p. 121.
Teel, John F., Los Angeles, Cal. Ratchet mechanism for engine-starters. No. 1,275,627; Aug. 13; v. 253; p. 384.
Teel, Lloyd C., Mentone, Ind. Chicken-brooder. No. 1,265,548; May 7; v. 250; p. 184.
Teel, Walter, and E. S. Parr, Vermont, Ill. Attachment for baling-presses. No. 1,279,937; Sept. 24; v. 254; p. 791.
Teeling, John F., Wayville, N. Y. Fishing-line holder. No. 1,253,746; Jan. 15; v. 246; p. 733.
Teepell, Edward A., *et al.* (See Roach, William W., assignor.) (Reissue.)
Teeple, John E., Montclair, N. J. Extracting rosin, turpentine, and oils. No. 1,252,058; Jan. 1; v. 246; p. 182.
Teeple, Oliver P., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Tray and shuck assembling mechanism for box-machines. No. 1,277,154; Aug. 27; v. 253; p. 873.
Teeple, William S., Wellsburg, W. Va. Glass-forming machine. No. 1,271,961; July 9; v. 252; p. 370.
Teesdale, Clyde H., Madison, Wis., and R. E. Prince, Elgin, Ill.; dedicated, by mesne assignments, to the Government of the United States. Fireproofing wood. No. 1,265,549; May 7; v. 250; p. 184.
Teeter, Manuel H., assignor of one-half to R. M. Ralston, McWillie, Okla. Animal-poke. No. 1,255,246; Feb. 5; v. 247; p. 38.
Teetor Company. (See Teetor, Martin, assignor.)
Teetor, Martin, assignor to Teetor Company, Des Moines, Iowa. Calculating-machine. No. 1,252,738; Jan. 8; v. 246; p. 409.
Tefft, Benjamin F., Jr. (See Fuller, Eugene, assignor.)
Tefft, Frederick A., Toledo, Ohio. Electric connector. No. 1,254,172; Jan. 22; v. 246; p. 874.
Tefft, William W., Jackson, Mich. Hydraulic power plant. No. 1,281,706; Oct. 15; v. 255; p. 493.
Tegoli, August, San Francisco, Cal. Apparatus for drying and the like. No. 1,268,797; June 4; v. 251; p. 207.
Teitz, Emanuel, Newark, N. J. Cube display-sign. No. 1,288,745; Dec. 24; v. 257; p. 724.
Telelectric Company, The. (See Reed, Walter C., assignor.)
Teleszky, Mike, Jenners, Pa. Guard for calender-machines. No. 1,251,840; Jan. 1; v. 246; p. 121.
Teleszky, Mike, Jenners, Pa. Cartridge. No. 1,278,786; Sept. 10; v. 254; p. 418.
Telfer, John S. G., and J. H. C. Boyd, London, England. Ventilating-fan. No. 1,252,508; Jan. 8; v. 246; p. 342.
Tell, Edward E. von, Gottenborg, Sweden. Means for securing ships'-hatch tarpaulins or similar flexible coverings. No. 1,268,189; June 4; v. 251; p. 33.
Teller, William F., Columbus, Ohio. Hot-plate. No. 1,267,932; May 28; v. 250; p. 936.
Tellin, Frank D., Kalona, Iowa. Metal-basket corrugator. No. 1,275,497; Aug. 13; v. 253; p. 348.
Tellinghuisen, Weert, and R. Smidt, White, S. D. Tractor steering attachment. No. 1,282,982; Oct. 29; v. 255; p. 910.
Teltzrow, Robert J. F., Beaver Dam, Wis. Manure-loader. No. 1,266,174; May 14; v. 250; p. 390.
Teltzrow, Robert F. J., Beaver Dam, Wis. Flying-machine. No. 1,273,950; July 30; v. 252; p. 1012.
Temco Electric Motor Company, The. (See Parker, William H., assignor.)
Temple, Jacob A., and L. H. Bullard, Kalamazoo, Mich. Device for cooling calender-rolls. No. 1,253,298; Jan. 15; v. 246; p. 602.
Temple, Nathan B., assignor of one-half to J. L. Hawley, Rockingham, N. C. Train slack-adjuster. No. 1,257,766; Feb. 26; v. 247; p. 888.
Temple, Sterling N. (See Frary and Temple.)
Templeman, Arthur E. (See Bullock and Templeman.)
Templeton, Oliver M., Indianapolis, Ind. Vehicle-curtain light. No. 1,253,907; Jan. 15; v. 246; p. 778.
Templeton, Samuel M. (See Fow and Templeton.)
Templeton, William G., Colorado Springs, Colo., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,255,351; Feb. 5; v. 247; p. 68.
Templeton, William G., Colorado Springs, Colo., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,257,547; Feb. 26; v. 247; p. 824.
Templeton, William G., Colorado Springs, Colo., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,269,759; June 18; v. 251; p. 522.
Ten Broek, Gerrit H. (See McAneny, Michael, assignor.)
Ten Busschen, Albert, *et al.* (See Burtt, Frank, assignor.)
Tench, James D. L., Gainesville, Fla. Dental-investment compound. No. 1,264,997; May 7; v. 250; p. 35.
Tenholder, Herman G., assignor of one-half to George W. Smyth Lumber Company, Beaumont, Tex. Form-holder and wall-tie. No. 1,255,811; Feb. 5; v. 247; p. 201.
Tennefass, Jens T., Moorhead, Minn. Potato-cutter. No. 1,263,483; Apr. 23; v. 249; p. 782.
Tennent, Melvin G., Sedro-Woolley, Wash. Wheel-rim. No. 1,269,879; June 18; v. 251; p. 557.
Tenner, Sol, New York, N. Y. Vending-machine. No. 1,287,514; Dec. 10; v. 257; p. 361.
Tenow, Olof A. A., and E. G. Ahnstrom, Stockholm, Sweden. Electric transmitting system. No. 1,261,870; Apr. 9; v. 249; p. 280.
Tentobed Company. (See Purcell, Isaac S., assignor.)
Tepper, Charles E., Rochester, N. Y. Core-making machine. No. 1,269,230; June 11; v. 251; p. 345.
Teresa, Antonio, Philadelphia, Pa. Heckling-machine. No. 1,255,065; Jan. 29; v. 246; p. 1161.
Terlecky, John, Easton, Pa. Figure wheeled toy. No. 1,270,344; June 25; v. 251; p. 707.
Terlesky, Max B., assignor of one-half to J. Rebner, Portland, Oreg. Ship-calking machine. No. 1,279,039; Sept. 17; v. 254; p. 517.
Ternstedt Manufacturing Co. (See Allmand, John T., assignor.)
Ternstedt Manufacturing Co. (See Simpson, Emory G., assignor.)
Terrell, Frank R. (See Terrell, Stanley B. and F. R.)
Terrell, George A. (See Boynton and Terrell.)
Terrell, Irijah A., assignor to W. R. Ostrander & Company, New York, N. Y. Outlet-box. No. 1,282,317; Oct. 22; v. 255; p. 700.
Terrell Machine Company. (See Linder, Walter W., assignor.)
Terrell, Stanley B., Martinsville, and F. R. Terrell, Lynchburg, Ohio. Planter. No. 1,264,454; Apr. 30; v. 249; p. 1082.
Terry, Charles A., *et al.*, executors. (See Westinghouse, George.)
Terry, Clyde C., Seattle, Wash. Framing for internal-combustion engines. No. 1,284,489; Nov. 12; v. 256; p. 304.
Terry, Clyde C., Seattle, Wash. Starting and scavenging valve for internal-combustion engines. No. 1,284,490; Nov. 12; v. 256; p. 304.
Terry, Edward, Brixton, England. Coat-rug. No. 1,252,628; Jan. 8; v. 246; p. 378.
Terry, Edward, Brixton, London, England. Electric incandescent lamp. No. 1,262,141; Apr. 9; v. 249; p. 354.
Terry, Frank, Detroit, Mich. Automatic governor. No. 1,256,612; Feb. 19; v. 247; p. 515.

Alphabetical list of patentees—Continued.

Terry, Frank G., Salinas, Cal. Beet-shredder. No. 1,260,732; Mar. 26; v. 248; p. 908.
Terry, Fred D. (See Grom and Terry.)
Terry, Graydon M., Dallas, Tex. Sight-feed measuring device. No. 1,276,448; Aug. 20; v. 253; p. 645.
Terry, Harry S., Courtland, Kans. Hand bundle-tie. No. 1,274,210; July 30; v. 252; p. 1085.
Terry, Henrietta E., *et al.* (See Smith, Ulysses S., assignor.)
Terry, Henry W., and J. W. Fowler, Toronto, Ontario, Canada. Teat-cup. No. 1,252,860; Jan. 8; v. 246; p. 442.
Terry, Henry W., and J. W. Fowler, Toronto, Ontario, Canada. Pneumatic valve-actuating device. No. 1,279,786; Sept. 24; v. 254; p. 747.
Terry, James A., Pocahontas, Iowa. Amusement apparatus. No. 1,260,832; Mar. 26; v. 248; p. 935.
Terry, James A., and N. H. Nelson, Pocahontas, Iowa. Curtain window-screen. No. 1,260,831; Mar. 26; v. 248; p. 935.
Terry, Joseph H., Guabito, Panama. Auto tram-car. No. 1,259,166; Mar. 12; v. 248; p. 393.
Terry, Joseph T., Jr., Mascot, Tenn. Concentration of ore. No. 1,254,173; Jan. 22; v. 246; p. 874.
Terry, Leonora, St. Joseph, Mo. Thimble. No. 1,263,002; Apr. 16; v. 249; p. 626.
Terry, Paul H., New York, N. Y. Making moving-picture films. No. 1,261,648; Apr. 2; v. 249; p. 186.
Terry, Seymour. (See Ewart and Terry.)
Terry Steam Turbine Company, The. (See Snow, Norman L., assignor.)
Terstegge, Albert L., assignor to Kentucky Stamping Company, Louisville, Ky. Feed or water trough. No. 1,252,861; Jan. 8; v. 246; p. 442.
Tertrou, Albert B., Fullerton, Cal. Internal pipe-cutter. No. 1,283,969; Nov. 5; v. 256; p. 140.
Terwilliger, Frank L., assignor of one-half to T. G. McHattan, Klamath Falls, Oreg. Motion-picture-projecting machine. No. 1,256,613; Feb. 19; v. 247; p. 515.
Terwilliger, Fred G., Almond, N. Y. Cattle-stanchion. No. 1,276,449; Aug. 20; v. 253; p. 646.
Terwilliger, William H., Amsterdam, N. Y., assignor to F. Klein, trustee. Shuttle for sewing-machines. No 1,253,646; Jan. 15; v. 246; p. 703.
Terwilliger, William H., Amsterdam, N. Y., assignor to F. Klein, trustee. Take-up for sewing-machines. No. 1,267,011; May 21; v. 250; p. 652.
Teschan, Walter F., Milwaukee, Wis. Concrete-distributing machine. No. 1,267,643; June 4; v. 251; p. 164.
Teschan, Walter F., Milwaukee, Wis. Measuring apparatus. No. 1,282,499; Oct. 22; v. 255; p. 749.
Teskey, Alva P., Luverne, Minn. Periscope attachment for submarines. No. 1,272,873; July 16; v. 252; p. 657.
Tesla, Nikola, New York, N. Y. Lightning-protector. No. 1,266,175; May 14; v. 250; p. 391.
Tesla, Nikola, New York, N. Y., assignor to Waltham Watch Company, Waltham, Mass. Speed-indicator. No. 1,274,816; Aug. 6; v. 253; p. 135.
Tesluk, Pamphil, New York, N. Y. Propelling mechanism for vehicles and the like. No. 1,281,707; Oct. 15; v. 255; p. 493.
Tesluk, Pamphil, New York, N. Y. Traction appliance. No. 1,286,836; Dec. 3; v. 257; p. 155.
Tessier, Charles O., White Plains, N. Y. Fly-screen-fabric holder. No. 1,254,865; Jan. 29; v. 246; p. 1107.
Test, Ellis W., Michigan City, Ind., assignor to Haskell & Barker Car Co. Inc. Car-bolster. No. 1,265,401; May 7; v. 250; p. 146.
Testa, Giuseppe, assignor to I. O. De Pass, New York, N. Y. Firearm. No. 1,258,378; Mar. 5; v. 248; p. 124.
Testa, Luigi, Grafton, W. Va. Grease-cellar for locomotives. No. 1,269,330; June 11; v. 251; p. 374.
Teste, Etienne, and E. Malivert, Paris, France. Automobile-horn. No. 1,281,877; Oct. 15; v. 255; p. 541.
Testrup, Nils, London, England, and T. Rigby, Dumfries, Scotland, assignors to Wetcarbonizing Limited, Westminster, London, England. Fertilizer from peat, and making the same. No. 1,277,155; Aug. 27; v. 253; p. 873.
Testu, Théodule. (See Lejeune-Seconney and Testu.)
Teter, Charles K., assignor to The Teter Manufacturing Company, Cleveland, Ohio. Pharyngeal inhaler. No. 1,270,565; June 25; v. 251; p. 768.
Teter, Jacob P., Indianapolis, Ind. Siphon-dredge. No. 1,264,223; Apr. 30; v. 249; p. 1017.
Teter, Lee A., Cantril, Iowa. Silage-packer. No. 1,279,938; Sept. 24; v. 254; p. 791.
Teter Manufacturing Company, The. (See Richardson, Frank L., assignor.)
Teter Manufacturing Company, The. (See Teter, Charles K., assignor.)
Tetlow, Lewis J., Springfield, Mass. Trolley-wheel. No. 1,257,652; Feb. 26; v. 247; p. 854.
Teuber, Max, New York, N. Y. Luggage-carrier. No. 1,273,201; July 23; v. 252; p. 772.
Tew, James D., Akron, Ohio., assignor to The B. F. Goodrich Company, New York, N. Y. Machine for making hollow cord. No. 1,261,317; Apr. 2; v. 249; p. 93.
Tew, James D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Soft-base vulcanizing-tube. No. 1,270,345; June 25; v. 251; p. 707.
Tew, James D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Laminating method and article. No. 1,287,515; Dec. 10; v. 257; p. 362.
Tewksbury, Charles B., West Roxbury, assignor to Safeguard Tag Company, Boston, Mass. Reinforced sheet fabric. No. 1,285,465; Nov. 19; v. 256; p. 589.
Texas Company, The. (See Lorenz, Charles O., assignor.)
Textile Machine Works. (See Rahm, Robert C., assignor.)
Textile Machine Works. (See Wilson, Thomas V., assignor.)
Textile Specialty Company. (See Roberts, Gus F., assignor.)
Tfenninger, Rudolf, Basco, Wis. Cuspidor. No. 1,258,064; Mar. 5; v. 248; p. 33.
Thacher, Sheldon P., Weehawken, N. J., assignor to Revere Rubber Company. Testing-machine. No. 1,288,746; Dec. 24; v. 257; p. 724.
Thacker, Harvey A., Leavenworth, Kans. Explosive bomb. No. 1,270,072; June 18; v. 251; p. 606.
Thackray, Charles E., Lena, Wis. Coin and stamp attachment for mail-boxes. No. 1,261,187; Apr. 2; v. 249; p. 55.
Thaler, Jacob. (See Schafran, Isaac, assignor.)
Thalheimer, Edward M., Philadelphia, Pa. Ball-conducting device for pool-tables. No. 1,257,050; Feb. 19; v. 247; p. 644.
Thalheimer, Nicholas C. (See Webb and Thalheimer.)
Thalimer, David A., Washington, Pa. Shoe-fitting device. No. 1,261,459; Apr. 2; v. 249; p. 132.
Thame, James, London, England. Manufacture of paper yarn. No. 1,264,998; May 7; v. 250; p. 35.
Tharaldsen, Filip, Christiania, Norway. Process and apparatus for producing zinc and the like. No. 1,255,066; Jan. 29; v. 246; p. 1161.
Tharp, Frank E., and P. C. Ambler, Shenandoah, Iowa. Hog-oiler. No. 1,273,014; July 16; v. 252; p. 696.
Tharp, Reason C., Osceola, Mo. Combined air inlet and exhaust valve. No. 1,259,805; Mar. 19; v. 248; p. 604.
Thatcher, Albert G. H., West Bridgford, England. Means for closing or sealing up vessels. No. 1,271,242; July 2; v. 252; p. 139.
Thatcher, Frank, El Paso, Tex. Making cattle food. No. 1,257,423; Feb. 26; v. 247; p. 785.
Thatcher, Harry S., assignor to Celite Products Company, Los Angeles, Cal. Plaster or cement composition and making the same. No. 1,251,841; Jan. 1; v. 246; p. 121.
Thatcher, Harry S., assignor to Celite Products Company, Los Angeles, Cal. Plaster composition. No. 1,251,842; Jan. 1; v. 246; p. 121.
Thatcher, Harvey, Maroa, Ill. Wind-operated toy. No. 1,260,833; Mar. 26; v. 248; p. 935.
Thatcher, Hervey D., Potsdam, N. Y. Baking-powder. No. 1,286,145; Nov. 26; v. 256; p. 797.
Thatcher, Willis E., Cameron, Wis. Fish-hook. No. 1,255,067; Jan. 29; v. 246; p. 1161.
Thau, Max F., Peoria, Ill. Fastening device. No. 1,262,407; Apr. 9; v. 249; p. 429.
Thau, Max F., Peoria, Ill. Fastening device. No. 1,262,408; Apr. 9; v. 249; p. 429.
Thayer, Alvin J., New London, Conn. Cant-hook. No. 1,281,708; Oct. 15; v. 255; p. 493.
Thayer, Frank S., assignor of one-fourth to G. C. Rice, Spokane, Wash. Electrically-controlled train-operated mechanism. No. 1,259,928; Mar. 19; v. 248; p. 641.
Thayer, Granville F. (See Marcy and Thayer.)
Thayer, Granville F., Providence, R. I., assignor to M and T Button Company, Boston, Mass. Shoe-button. No. 1,256,614; Feb. 19; v. 247; p. 516.
Thayer, Granville F., Providence, R. I., assignor to M and T Button Company, Boston, Mass. Button-carding machine. No. 1,273,552; July 23; v. 252; p. 864.
Thayer, Harry W. (See Whitaker and Thayer.)
Thayer, Russell, Philadelphia, Pa. Extraction of platinum and similar metals from their sands and ores. No. 1,273,202; July 23; v. 252; p. 772.
Thayer, Russell, Philadelphia, Pa. Extraction of platinum and similar metals from their sands and ores. No. 1,281,878; Oct. 15; v. 255; p. 541.
Thayer, Russell, Philadelphia, Pa. Extraction of platinum and like metals of the platinum group from sands and ores. No. 1,281,879; Oct. 15; v. 255; p. 541.
Theadore, Paul, Lansing, Mich. Safety stop apparatus. No. 1,273,951; July 30; v. 252; p. 1013.
Theatre Vending Machine Corporation. (See Perrin, Roger W., assignor.)
Theberath, Joseph C., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Welding-torch. No. 1,264,581; Apr. 30; v. 249; p. 1117.
Thebert, Frederick T., Bessemer, Mich. Rotatable seesaw. No. 1,254,174; Jan. 22; v. 246; p. 874.
Theis, Leroy W., *et al.* (See Waibel, Henry, assignor.)
Theiss, George W., Buffalo, N. Y. Camber-removing machine. No. 1,255,666; Feb. 5; v. 247; p. 160.
Thelen, James S. (See Grobe, Julius J., assignor.)
Themelis Bros. Company. (See Themelis, Nicholas S., assignor.)
Themelis, Nicholas S., Brooklyn, N. Y., assignor to Themelis Bros. Company, Inc. Mouthpiece for cigarettes. No. 1,288,287; Dec. 17; v. 257; p. 585.

Theo. A. Kochs Company. (See Pfanschmidt, Charles, assignor.)
Theo. Tiedemann & Sons. (See Hoffman, John H., assignor.)
Theobald, John, assignor to J. B. Theobald, Jr., Archbold, Ohio. Hand-planter. No. 1,287,516; Dec. 10; v. 257; p. 362.
Theobald, John B., Jr. (See Theobald, John, assignor.)
Theobald, John L., New York, N. Y., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,278,788; Sept. 10; v. 254; p. 419.
Theobald, Thomas O., Detroit, Mich. Tank-gage. No. 1,259,680; Mar. 19; v. 248; p. 567.
Theodore, Anostopulo D., Eunice, La. Article-dispensing device. No. 1,289,019; Dec. 24; v. 257; p. 789.
Theodore W. Foster & Bro. Company. (See Foster, Theodore W., assignor.)
Thereault, Adrien J., assignor, by mesne assignments, to F. R. Kalck, Amityville, N. Y. Clock mechanism. No. 1,275,791; Aug. 13; v. 253; p. 431.
Therien, Joseph H., San Francisco, Cal. Drying-room. No. 1,251,937; Jan. 1; v. 246; p. 146.
Thermalene Company, The. (See Wolf, Linus, assignor.)
Thermo-Electro Starter Company. (See Hewitt, Richard B., assignor.)
Thermoid Rubber Company. (See Pardoe, William D., assignor.)
Theroux, Ernest G., Emmitsburg, Md. Table attachment for invalid-beds. No. 1,253,441; Jan. 15; v. 246; p. 647.
Therrien, Isidore, Quebec, Quebec, Canada. Smoke-consuming apparatus. No. 1,279,939; Sept. 24; v. 254; p. 791.
Thesier, Joseph H., Syracuse, N. Y. Tire-cleat. No. 1,274,211; July 30; v. 252; p. 1085.
Thestrup, Lewis P., Seattle, Wash. Safety hoisting-hook. No. 1,285,466; Nov. 19; v. 256; p. 589.
Theumann, Max. (See Koetschet and Theumann.)
Theurer, Peter S. (See Dietz, Charles, assignor.)
Thew Automatic Shovel Company, The. (See Harris, Hollis H., assignor.)
Thexton, Henry A., Minneapolis, Minn. Radiator foot-rest. No. 1,282,492; Oct. 22; v. 255; p. 747.
Thibault, Origene A., Victoriaville, Quebec, Canada. Papier-mâché toy animal and the like and making same. No. 1,270,346; June 25; v. 251; p. 707.
Thibodeaux, Arthur J., assignor of one-half to J. W. Kramer, Chicago, Ill. Tissue-holder for manufacturing matrix-mats. No. 1,272,572; July 16; v. 252; p. 570.
Thie, Charles H., and W. M. Buttler, Toledo, Ohio. Internal-combustion motor. No. 1,282,983; Oct. 29; v. 255; p. 911.
Thiede, William, New Britain, Conn. Switch-operating mechanism. No. 1,284,491; Nov. 12; v. 256; p. 304.
Thiel, Henry C., Chicago, Ill. Signal device. No. 1,252,059; Jan. 1; v. 246; p. 182.
Thiel, Louis F., Chicago, Ill. Envelop-fastener. No. 1,277,156; Aug. 27; v. 253; p. 874.
Thiele, Adolph. (See Dixon and Thiele.)
Thiele, Felix C., assignor to Cudahy Refining Company, Coffeyville, Kans. Manufacture of drying-oils. No. 1,254,866; Jan. 29; v. 246; p. 1107.
Thiele, Ludwig A., Columbus, Ohio. Method of and apparatus for making sulfuric acid. No. 1,267,012; May 21; v. 250; p. 652.
Thiele, William A., Jr., North Tonawanda, N. Y. Making reamers. No. 1,277,770; Sept. 3; v. 254; p. 123.
Thiem, Louis, Toledo, Ohio. Leak-locating detector for pneumatic tires. No. 1,270,073; June 18; v. 251; p. 606.
Thiem, William O., and G. E. Kremer, Minneapolis, Minn. Traffic signal-lamp. No. 1,288,747; Dec. 24; v. 257; p. 724.
Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Mount for key-bars. No. 1,253,299; Jan. 15; v. 246; p. 602.
Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Carriage mechanism for writing-machines. No. 1,256,076; Feb. 12; v. 247; p. 320.
Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Ribbon-vibrating mechanism. No. 1,256,077; Feb. 12; v. 247; p. 320.
Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Tabulating mechanism for calculating-machines. No. 1,259,929; Mar. 19; v. 248; p. 642.
Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Platen-operating mechanism. No. 1,283,596; Nov. 5; v. 256; p. 41.
Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Error-key for calculating-machines. No. 1,283,597; Nov. 5; v. 256; p. 41.
Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Tally-roll attachment for calculating-machines. No. 1,288,288; Dec. 17; v. 257; p. 585.
Thieme, Otto, and F. O. Mueller, assignors to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Tabulating mechanism for combined adding and type-writing machines. No. 1,259,930; Mar. 19; v. 248; p. 642.
Thiessen, Henry, and R. Lage, Davenport, Iowa. Portable camp. No. 1,285,467; Nov. 19; v. 256; p. 589.
Thiman, Knut G., New York, N. Y. Plug-cock. No. 1,283,356; Oct. 29; v. 255; p. 1009.
Thimble, Frederick N., Long Island City, N. Y. Film-box. No. 1,277,665; Sept. 3; v. 254; p. 93.
Thimgan, Herman, Denver, Colo., assignor to The Colorado Phonograph Company. Sound-amplifier for phonographs. No. 1,263,625; Apr. 23; v. 249; p. 820.
Thinggaard, Herman, Chicago, Ill. Clasp. No. 1,281,880; Oct. 15; v. 255; p. 542.
Thiogen Company, The. (See Young, Stewart W., assignor.)
Thoen, Christian C., Cyrus, Minn. Churn-filling apparatus. No. 1,289,302; Dec. 31; v. 257; p. 884.
Thoens, Burchard, New York, N. Y. Flushing-valve. No. 1,265,832; May 14; v. 250; p. 293.
Tholl, Nikolaus, Hoosick Falls, N. Y. Throat for brush-making machines. No. 1,276,994; Aug. 27; v. 253; p. 828.
Thom, Harold W. (See Archibald and Thom.)
Thoma, John, Jr., Medina, N. Y. Washable slipper. No. 1,286,446; Dec. 3; v. 257; p. 65.
Thomas, Albert G., Lynchburg, Va. Cabinet for disk records. No. 1,289,961; Dec. 31; v. 257; p. 1046.
Thomas, August, Jersey City, N. J. Hemmer. No. 1,279,177; Sept. 17; v. 254; p. 553.
Thomas, Bertram and E., Manchester, England. Rack for holding or storing goods. No. 1,259,316; Mar. 12; v. 248; p. 433.
Thomas, Bruno, Seattle, Wash. Concentrating nitric acid. No. 1,283,598; Nov. 5; v. 256; p. 42.
Thomas, C. H., *et al.* (See Thomas, George W., assignor.)
Thomas, Carl C., Baltimore, Md. Meter. No. 1,254,374; Jan. 22; v. 246; p. 932.
Thomas, Carl C., Baltimore, Md. Method and apparatus for concentrating ores by flotation. No. 1,278,040; Sept. 17; v. 254; p. 517.
Thomas, Carl C., Baltimore, Md. Fluid-distributing device. No. 1,289,303; Dec. 31; v. 257; p. 884.
Thomas, Charles A., Wilkinsburg, Pa. Dough-cutting device. No. 1,267,478; May 28; v. 250; p. 807.
Thomas, Charles O., Jr., United States Army. Field-kitchen. No. 1,276,995; Aug. 27; v. 253; p. 828.
Thomas, Charles P., assignor of one-half to I. Fechheimer, San Francisco, Cal. Safety train-control system. No. 1,260,250; Mar. 19; v. 248; p. 732.
Thomas Crawford, Inc. (See Crawford, Thomas, assignor.)
Thomas Cusack Company, The. (See Cusack, Harold, assignor.)
Thomas, Daniel R., Oklahoma, Okla. Tire-shoe. No. 1,254,089; Jan. 22; v. 246; p. 851.
Thomas, David D. (See Keenan and Thomas.)
Thomas, David P., *et al.* (See Anderson, George A., assignor.)
Thomas Day Company. (See Roller, Milton B., assignor.)
Thomas E. Wilson & Company. (See Bendelow, Tom, assignor.)
Thomas, Edward, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,274,106; July 30; v. 252; p. 1055.
Thomas, Edward, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,287,517; Dec. 10; v. 257; p. 362.
Thomas, Edward F., Felts Mills, N. Y. Clamp-collar for paper-machines. No. 1,261,871; Apr. 9; v. 249; p. 281.
Thomas, Edwin E. (See Royal and Thomas.)
Thomas, Edwin F., Meriden, Conn. Buttonhole electric light. No. 1,271,390; July 2; v. 252; p. 178.
Thomas, Egbert S., Nevada City, Cal. Cover-holder and stove-lid lifter. No. 1,252,197; Jan. 1; v. 246; p. 219.
Thomas, Eustace. (See Thomas, Bertram and E.)
Thomas, Felix. (See Hopkinson and Thomas.)
Thomas Foreign Patents Limited. (See Thomas, John G. P., assignor.)
Thomas, Frank C., New York, N. Y., assignor to United Exhibitors Advertising Corporation, Wilmington, Del. Display apparatus. No. 1,252,629; Jan. 8; v. 246; p. 378.
Thomas, Frank M., Piggott, Ark. Air-line-hose-coupling device. No. 1,261,318; Apr. 2; v. 249; p. 93.
Thomas, Fred A., Pawtucket, R. I. Torpedo-protector for vessels. No. 1,263,003; Apr. 16; v. 249; p. 626.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug receptacle. No. 1,261,649; Apr. 2; v. 249; p. 186.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug fitting. No. 1,263,961; Apr. 23; v. 249; p. 912.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Snap-switch cover. (Reissue of design.) No. 14,483; June 11; v. 251; p. 440.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,270,671; June 25; v. 251; p. 796.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp socket. No. 1,272,146; July 9; v. 252; p. 425.
Thomas, George B., assignor to The Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Electric switch. No. 1,272,147; July 9; v. 252; p. 425.

Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Weatherproof socket. No. 1,279,940; Sept. 24; v. 254; p. 791.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Outlet-box fitting. No. 1,282,493; Oct. 22; v. 255; p. 747.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug. No. 1,285,840; Nov. 26; v. 256; p. 723.
Thomas, George P., Glenshaw, Pa. Metal-punching machine. No. 1,287,137; Dec. 10; v. 257; p. 270.
Thomas, George W., assignor to C. H. and L. A. Thomas, Cathlamet, Wash. Pitcher or dispensing vessel. No. 1,279,787; Sept. 24; v. 254; p. 747.
Thomas, Gustav, Lind, Wash. Weeder-shoe. No. 1,262,286; Apr. 9; v. 249; p. 394.
Thomas, H. H., *et al.* (See Goodwin, Adolphus D., assignor.)
Thomas, Herbert H. (See Moore and Thomas.)
Thomas, Herbert M., London, England. Advertising device. No. 1,268,895; June 11; v. 251; p. 252.
Thomas, Horace T., Lansing, Mich. Grinding process. No. 1,252,509; Jan. 8; v. 246; p. 342.
Thomas, Horace T., Lansing, Mich. Six-cylinder V-type engine. No. 1,283,970; Nov. 5; v. 256; p. 140.
Thomas, Howard D., Seattle, Wash. Wind-shield cleaner. No. 1,276,283; Aug. 20; v. 253; p. 599.
Thomas, Hubert S. (See Thomas and Davies.)
Thomas, Hugh K., Buffalo, N. Y. Device for rolling strips of material. No. 1,288,748; Dec. 24; v. 257; p. 724.
Thomas, Imogen N., Troy, N. Y. Charging-fitting for beverage-carbonators. No. 1,269,130; June 11; v. 251; p. 317.
Thomas, James F., Faribault, Minn. Extension-table. No. 1,257,149; Feb. 19; v. 247; p. 671.
Thomas, James F., Clarinda, Iowa. Trousers-pressing device. No. 1,258,825; Mar. 12; v. 248; p. 294.
Thomas, James J., and L. L. Vaughan, Raleigh, N. C. Screen or window lock. No. 1,257,051; Feb. 19; v. 247; p. 644.
Thomas, James W., Corydon, Ind. Tractor. No. 1,286,146; Nov. 26; v. 256; p. 797.
Thomas, Jeremiah F. (See Bear and Thomas.)
Thomas, John C., assignor to Detroit Printing and Serving Machine Company, Detroit, Mich. Printing and serving machine. No. 1,256,078; Feb. 12; v. 247; p. 321.
Thomas, John G. P., Chiswick, assignor to Thomas Foreign Patents Limited, Kensington, London, England. Power transmission. No. 1,261,069; Apr. 2; v. 249; p. 22.
Thomas, John G. P., Chiswick, assignor to Thomas Foreign Patents Limited, Kensington, London, England. Charging of accumulators from a variable-speed dynamo-electric machine. No. 1,272,148; July 9; v. 252; p. 426.
Thomas, John L., Morriston, Swansea, England. Coupling or shackle for colliery and like wagons. No. 1,273,689; July 23; v. 252; p. 901.
Thomas, John M., Columbus, Ohio. Motor mechanism. No. 1,283,599; Nov. 5; v. 256; p. 42.
Thomas, John N., St. Paul, Minn. Mirror-illuminating device. No. 1,284,492; Nov. 12; v. 256; p. 304.
Thomas, Joseph O., *et al.* (See Madsen, Frederick G., assignor.)
Thomas Lasting Wave Co., The. (See Campana, George G., assignor.)
Thomas, Laura A., *et al.* (See Thomas, George W., assignor.)
Thomas, Louis, Cleveland, Ohio. Signaling device for automobiles. No. 1,262,716; Apr. 16; v. 249; p. 544.
Thomas, Lucian A., New York, N. Y. Combination disconnecting-switch, fuse, choke-coil, and lightning-arrester. No. 1,287,138; Dec. 10; v. 257; p. 270.
Thomas, Luther B., Shreveport, La. Apparatus for measuring and dispensing liquid. No. 1,289,304; Dec. 31; v. 257; p. 885.
Thomas, Marvin G., Graybull, Wyo. Tug-attaching device. No. 1,281,229; Oct. 8; v. 255; p. 334.
Thomas, Nehemiah M., Pymble, near Sydney, New South Wales, and C. G. Petree, Bundaberg, Queensland, Australia. Manufacturing cane-sugar. No. 1,266,882; May 21; v. 250; p. 614.
Thomas, Newton F., Jasper, Tenn. Identification-tag. No. 1,272,573; July 16; v. 252; p. 570.
Thomas, Nora C. B., *et al.*, administrators. (See Thomas and Davies.)
Thomas Oberkirch Company. (See Thomas, William M., assignor.)
Thomas, Oliver, Los Angeles, Cal. Shoe-buckle-display device. No. 1,282,652; Oct. 22; v. 255; p. 791.
Thomas, Oliver W., Tana, Ill. Wrench. No. 1,287,798; Dec. 17; v. 257; p. 465.
Thomas, Omer, and G. Blackwell, Bedford, Ind., assignors to Ingersoll-Rand Company, Jersey City, N. J. Roller-guide for channeling-machines. No. 1,261,650; Apr. 2; v. 249; p. 187.
Thomas P. Taylor Co. (See Hammond, Myron B., assignor.)
Thomas, Percy H., Upper Montclair, N. J. Electric insulator. No. 1,273,015; July 16; v. 252; p. 696.
Thomas, Phillip R., *et al.* (See Rothenberger, Simon W., assignor.)
Thomas, Phillips, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Condenser and making same. No. 1,279,941; Sept. 24; v. 254; p. 792.
Thomas, R. E. (See Moran, Thomas M., assignor.)
Thomas, Reinhold, Brooklyn, N. Y. Phonograph. No. 1,251,592; Jan. 1; v. 246; p. 44.
Thomas, Reinhold, Chicago, Ill. Phonograph. No. 1,259,681; Mar. 19; v. 248; p. 567.
Thomas, Richard B., deceased, London, England, H. S. Thomas, Llandaff, and W. R. Davies, Whitchurch, Wales; N. C. B. Thomas, H. R. W. Anderson, and C. Bathurst, administrators. Apparatus for manipulating metallic articles. No. 1,252,198; Jan. 1; v. 246; p. 220.
Thomas, Robert E., Hugo, Okla. Peanut-harvester. No. 1,263,149; Apr. 16; v. 249; p. 669.
Thomas, Samuel S., Pampa, Tex. Tractor attachment. No. 1,287,792; Dec. 17; v. 257; p. 464.
Thomas, Vern E., Hazen, N. C. Tractor-wheel rim. No. 1,258,501; Mar. 5; v. 248; p. 160.
Thomas, Walter, Nanaimo, British Columbia, Canada. Process of and apparatus for distilling oil and other liquid. No. 1,253,747; Jan. 15; v. 246; p. 733.
Thomas, Walter H., Spencer, Iowa. Foot-accelerator. No. 1,276,829; Aug. 27; v. 253; p. 785.
Thomas, William E., Brooklyn, N. Y. Variable-speed-transmission mechanism. No. 1,254,743; Jan. 29; v. 246; p. 1068.
Thomas, William J. (See Lewis, Shimer, and Thomas.)
Thomas, William J. (See Lewis and Thomas.)
Thomas, William M., assignor to Thomas Oberkirch Company, Limited, New York, N. Y. Camera. No. 1,265,699; May 7; v. 250; p. 223.
Thomas, William M., assignor to Thomas-Oberkirch Company, Limited, New York, N. Y. Support for cameras, machine-guns, and the like. No. 1,272,574; July 16; v. 252; p. 570.
Thomas, William M., assignor of one-half to W. S. Post, Los Angeles, Cal. Combination ceiling and floor construction. No. 1,280,586; Oct. 1; v. 255; p. 131.
Thomas, William R., Des Moines, Iowa. Car-ticket case. No. 1,266,176; May 14; v. 250; p. 391.
Thomas, William S., Lock Haven, Pa. Spark-plug. No. 1,254,449; Jan. 22; v. 246; p. 953.
Thomas, William S., Lock Haven, Pa. Spark-plug. No. 1,255,826; Feb. 5; v. 247; p. 206.
Thomas, William S., Seattle, assignor of one-half to W. E. Borland, King county, Wash. Portable house. No. 1,256,393; Feb. 12; v. 247; p. 416.
Thomas, William S., Lock Haven, assignor to C. H. Mix, Renova, Pa. Magnetic retaining device. No. 1,289,305; Dec. 31; v. 257; p. 885.
Thomason, Elmer O., Los Angeles, Cal., assignor to Kellar-Thomason Company. Valve. No. 1,278,520; Sept. 10; v. 254; p. 347.
Thomassen, Hermanus, Heelsum, near Arnheim, Netherlands. Nut-locking device. No. 1,281,709; Oct. 15; v. 255; p. 494.
Thomassen, Soren, New York, N. Y. Eyeglasses. No. 1,283,600; Nov. 5; v. 256; p. 42.
Thomasson, Henry A. W., South Bellingham, Wash. Automatic air-inspirator. No. 1,259,317; Mar. 12; v. 248; p. 433.
Thomasson, Henry A. W., Bellingham, Wash. Boat-propeller. No. 1,267,712; May 28; v. 250; p. 873.
Thomasson, Hugh W., St. Louis, Mo. Seeding-machine. No. 1,286,837; Dec. 3; v. 257; p. 155.
Thomée, William J. (See Barry and Thomée.)
Thompson, Alan C. (See Conlan, George A., assignor.)
Thompson, Albert J., Dunn Center, N. D. Vehicle-wheel hub. No. 1,269,131; June 11; v. 251; p. 317.
Thompson, Albert R. (See Low and Thompson.)
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Traction-engine. No. 1,278,256; Sept. 10; v. 254; p. 247.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Exhaust-box. No. 1,286,147; Nov. 26; v. 256; p. 797.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Filling-valve for syrupers. No. 1,288,749; Dec. 24; v. 257; p. 725.
Thompson, Albert W., assignor to The G. M. Parks Company, Fitchburg, Mass. Regulating apparatus. No. 1,263,484; Apr. 23; v. 249; p. 782.
Thompson, Albert W., Fitchburg, and E. W. Comfort, Winchester, assignors to The G. M. Parks Company, Fitchburg, Mass. Humidifier. No. 1,265,550; May 7; v. 250; p. 184.
Thompson, Alfred, Detroit, Mich., assignor of fifty-one one-hundredths to L. E. Beaman, Chicago, Ill. Carbureter. No. 1,268,299; June 4; v. 251; p. 65.
Thompson, Andrew F., Englewood, Kans. Nut-lock. No. 1,275,105; Aug. 6; v. 253; p. 216.
Thompson, Andrew J., Fairburn, Ga. Plow. No. 1,283,444; Oct. 29; v. 255; p. 1032.
Thompson, Archibald R., Lakewood, Ohio. Burner. No. 1,273,423; July 23; v. 252; p. 830.
Thompson, Aroma V., Moscow, Idaho. Hook and eye. No. 1,281,710; Oct. 15; v. 255; p. 494.
Thompson, Arthur, Toledo, Ohio. Cleaning-fluid-introducing means for engine-cylinders. No. 1,258,270; Mar. 5; v. 248; p. 93.
Thompson, Arthur G., assignor to A. Kimball Company, New York, N. Y. Pin-ticket. No. 1,252,862; Jan. 8; v. 246; p. 443.
Thompson, Arthur J., Mason, Mich. Silage-packer. No 1,261,651; Apr. 2; v. 249; p. 187.

Thompson, Carl P., Trion, Ga. Beam-truck. No. 1,261,974; Apr. 9; v. 249; p. 309.
Thompson, Clarence L., Port Washington, N. Y. Car-seat. No. 1,253,196; Jan. 8; v. 246; p. 543.
Thompson, David, Byron Center, Mich. Harness-snap. No. 1,282,141; Oct. 22; v. 255; p. 653.
Thompson, Duffield B., assignor to J. E. Palsgrove, Richmond, Ind. Metal crate. No. 1,255,352; Feb. 5; v. 247; p. 68.
Thompson, Edward G., Battle Creek, Mich. Hose-coupling. No. 1,254,375; Jan. 22; v. 246; p. 932.
Thompson, Enoch, Stafford, Kans. Combined auto puller and jack. No. 1,268,896; June 11; v. 251; p. 252.
Thompson, Eugene W., New London, Conn. Horseshoe. No. 1,252,863; Jan. 8; v. 246; p. 443.
Thompson, Everett L., Dover, N. J., assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic chemical fire-extinguishing apparatus. No. 1,287,794; Dec. 17; v. 257; p. 464.
Thompson, Everett L., Dover, N. J., assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic sprinkler apparatus. No. 1,287,795; Dec. 17; v. 257; p. 464.
Thompson, Everett L., Dover, N. J., assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic fire-extinguishing apparatus. No. 1,287,800; Dec. 17; v. 257; p. 466.
Thompson, Everett L., Dover, N. J., assignor to Automatic Sprinkler Company of America, New York, N. Y. Automatic fire-door-closing apparatus. No. 1,289,306; Dec. 31; v. 257; p. 885.
Thompson, Everett L., Dover, N. J., and C. W. Tribken, Brooklyn, N. Y., assignors to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Chemical fire-extinguishing apparatus. No. 1,285,468; Nov. 19; v. 256; p. 589.
Thompson, Frank, assignor to J. W. Walker, Shawnee, Okla. Feller attachment. No. 1,266,883; May 21; v. 250; p. 615.
Thompson, Frederic W., Atlantic City, N. J. Shooting-gallery. No. 1,256,079; Feb. 12; v. 247; p. 321.
Thompson, Fredrick B., Chicago, Ill. Film-treating apparatus. No. 1,260,595; Mar. 26; v. 248; p. 868.
Thompson, Fredrick B., Chicago, Ill. Photographic-film-treating apparatus. No. 1,281,711; Oct. 15; v. 255; p. 494.
Thompson, George D., assignor of one-half to G. Gane, Bryn Mawr, Pa. Collar-fastener. No. 1,264,711; Apr. 30; v. 249; p. 1152.
Thompson, George E., Manhattan, Kans. Dirigible headlight for automobiles. No. 1,257,767; Feb. 26; v. 247; p. 888.
Thompson, George E., Stockton, Cal. Gas-stove. No. 1,288,289; Dec. 17; v. 257; p. 585.
Thompson, George E., Stockton, Cal. Pressure-indicator for pneumatic tires. No. 1,289,307; Dec. 31; v. 257; p. 886.
Thompson, George S., Hockessin, Del. Fluid-pressure valve. No. 1,281,712; Oct. 15; v. 255; p. 495.
Thompson, George W., assignor of thirty-two one-hundred-and-twenty-eighths to W. B. Sanford, twenty-four one-hundred-and-twenty-eighths to D. J. Landers, twenty-one one-hundred-and-twenty-eighths to W. A. McAtee, twelve one-hundred-and-twenty-eighths to A. B. Lovan, twelve one-hundred-and-twenty-eighths to G. W. Young, three one-hundred-and-twenty-eighths to W. T. Shores, Springfield, Mo., and six one-hundred-and-twenty-eighths to C. H. Nichols, New York, N. Y. Acetylene-gas generator. No. 1,272,726; July 16; v. 252; p. 614.
Thompson, George W., assignor of thirty-two one-hundred-and-twenty-eighths to W. B. Sanford, twenty-four one-hundred-and-twenty-eighths to D. J. Landers, twenty-one one-hundred-and-twenty-eighths to W. A. McAtee, twelve one-hundred-and-twenty-eighths to A. B. Lovan, twelve one-hundred-and-twenty-eighths to G. W. Young, three one-hundred-and-twenty-eighths to W. T. Shores, Springfield, Mo., and six one-hundred-and-twenty-eighths to C. H. Nichols, New York, N. Y. Acetylene-gas generating and supply system. No. 1,272,727; July 16; v. 252; p. 615.
Thompson, George W., assignor of thirty-two one-hundred-and-twenty-eighths to W. B. Sanford, twenty-four one-hundred-and-twenty-eighths to D. J. Landers, twenty-one one-hundred-and-twenty-eighths to W. A. McAtee, twelve one-hundred-and-twenty-eighths to A. B. Lovan, twelve one-hundred-and-twenty-eighths to G. W. Young, three one-hundred-and-twenty-eighths to W. T. Shores, Springfield, Mo., and six one-hundred-and-twenty-eighths to C. H. Nichols, New York, N. Y. Acetylene-gas generator. No. 1,274,212; July 30; v. 252; p. 1086.
Thompson, George W., assignor of thirty-two one-hundred-and-twenty-eighths to W. B. Sanford, twenty-four one-hundred-and-twenty-eighths to D. J. Landers, twenty-one one-hundred-and-twenty-eighths to W. A. McAtee, twelve one-hundred-and-twenty-eighths to A. B. Lovan, twelve one-hundred-and-twenty-eighths to G. W. Young, three one-hundred-and-twenty-eighths to W. T. Shores, Springfield, Mo., and six one-hundred-and-twenty-eighths to C. H. Nichols, New York, N. Y. Gas-mixer. No. 1,287,139; Dec. 10; v. 257; p. 270.
Thompson, Gilbert, Burns, Mont. Feeder for pneumatic stackers. No. 1,254,175; Jan. 22; v. 246; p. 875.
Thompson, Harold E. (See Haynes and Thompson.)
Thompson, Harrison F., Vineland, N. J. Water-pail support. No. 1,276,285; Aug. 20; v. 253; p. 599.
Thompson, Harry E., assignor to Sheffield Car Company, Three Rivers, Mich. Stand-pipe. No. 1,283,971; Nov. 5; v. 256; p. 140.
Thompson, Harry E., assignor to Sheffield Car Company, Three Rivers, Mich. Water-column. No. 1,286,448; Dec. 3; v. 257; p. 66.
Thompson, Harry F. J. (See Bowden and Thompson.)
Thompson, Harry M., Washington, Pa. Muffle-leer. No. 1,257,150; Feb. 19; v. 247; p. 671.
Thompson, Harry M., Washington, Pa. Muffle-leer. No. 1,281,713; Oct. 15; v. 255; p. 495.
Thompson Heater Corporation. (See Cherry, Lester A., assignor.)
Thompson, Herbert, Toronto, Ontario, Canada. Automatic foot-rest shock-absorber. No. 1,272,575; July 16; v. 252; p. 571.
Thompson, Herschel G., assignor of one-half to J. Farenbaugh, Star City, Ind. Headlight. No. 1,284,955; Nov. 12; v. 256; p. 421.
Thompson, Hugh A. (See Fischer, Herman G., assignor.)
Thompson, James C., Golconda, Ill. Rotary engine. No. 1,259,318; Mar. 12; v. 248; p. 433.
Thompson, James D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-machine. No. 1,275,794; Aug. 13; v. 253; p. 432.
Thompson, James E., Mayville, Wis. Purifying crude hydrocarbons. No. 1,276,284; Aug. 20; v. 253; p. 599.
Thompson, James W., Spokane, Wash. Harvester. No. 1,271,803; July 9; v. 252; p. 325.
Thompson & Jameson. (See Thompson and Jameson, assignors.)
Thompson, Jasper L., Hurlock, Md. Check-row transplanter. No. 1,267,713; May 28; v. 250; p. 873.
Thompson, Joel M., Blooming Prairie, Minn. Self-cleaning rake. No. 1,259,803; Mar. 19; v. 248; p. 604.
Thompson, John E., and C. W. Jameson, assignors to Thompson & Jameson, Chicago, Ill. Reversing-switch for elevator-motors. No. 1,252,739; Jan. 8; v. 246; p. 409.
Thompson, John E., and C. W. Jameson, assignors to Thompson & Jameson, Chicago, Ill. Accelerator. No. 1,256,950; Feb. 19; v. 247; p. 615.
Thompson, John H., Elyria, Ohio. Bracket. No. 1,261,975; Apr. 9; v. 249; p. 309.
Thompson, John H., New Haven, assignor to R. G. Cleveland, Bridgeport, Conn. Card and indicator for card-index systems. No. 1,272,149; July 9; v. 252; p. 426.
Thompson, John M., Buffalo, N. Y. Street-flushing apparatus. No. 1,282,142; Oct. 22; v. 255; p. 653.
Thompson, John S. (See Barbieri and Thompson.)
Thompson, Joseph E., Kagawong, Ontario, Canada. Disk-sharpener. No. 1,262,869; Apr. 16; v. 249; p. 588.
Thompson, Lewis P., Minneapolis, Minn. Resilient tire. No. 1,272,576; July 16; v. 252; p. 571.
Thompson, Louis. (See Cummings and Thompson.)
Thompson, Luther C., Washington, D. C. Pounder washing-machine. No. 1,275,792; Aug. 13; v. 253; p. 431.
Thompson, May, Los Angeles, Cal. Hair-drier. No. 1,283,357; Oct. 29; v. 255; p. 1009.
Thompson, May, Los Angeles, Cal. Hair-drier and sunshade. No. 1,283,358; Oct. 29; v. 255; p. 1010.
Thompson, Morris E., Arlington, Iowa. Disk-harrow boxing. No. 1,287,518; Dec. 10; v. 257; p. 363.
Thompson, Myrtus E., Huntsburg, Ohio. Grease-gun. No. 1,276,286; Aug. 20; v. 253; p. 599.
Thompson, Nathan D., Jr., St. Louis, Mo., assignor to The Almetal Manufacturing Company, Maplewood, Mo. Washing-machine. No. 1,275,628; Aug. 13; v. 253; p. 385.
Thompson, Nelson W., Oakland, and F. J. McGraw, Martinez, assignors, by mesne assignments, to Shell Company of California, San Francisco, Cal. Pump. No. 1,275,793; Aug. 13; v. 253; p. 431.
Thompson, Norman R., Toledo, Ohio. Container-contents-handling mechanism. No. 1,284,816; Nov. 12; v. 256; p. 384.
Thompson, Oliver S., Compton, Cal. Method of and means for correcting test-papers. No. 1,252,199; Jan. 1; v. 246; p. 220.
Thompson, Osceola C., New York, N. Y., assignor to Wire-bounds Patents Company. Box-blank machine. No. 1,258,625; Mar. 5; v. 248; p. 198.
Thompson, Parke H., assignor to Millville Machine Company, Millville, N. J. Shears for glass blanks. No. 1,275,629; Aug. 13; v. 253; p. 385.
Thompson, Ralph E., Brookline, Mass. Indicating mechanism. No. 1,253,300; Jan. 15; v. 246; p. 602.
Thompson, Raymond A., Chicago, Ill. Belt-watch holder. No. 1,278,866; Sept. 17; v. 254; p. 469.
Thompson, Reinert, Wautoma, Wis. Machine for stringing seed-corn. No. 1,252,200; Jan. 1; v. 246; p. 220.
Thompson, Reuben B., Cohoes, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing and edging machine. No. 1,266,884; May 21; v. 250; p. 615.

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Thompson, Reuben B., Cohoes, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,273,108; July 16; v. 252; p. 720.
Thompson, Robert, Jersey City, N. J. Gas-stove. No. 1,271,243; July 2; v. 252; p. 139.
Thompson, Robert A. (See Payne, Thompson, and Morris.)
Thompson, Robert F. (See Martin and Thompson.)
Thompson, Robert M., Tacoma, Wash. Preserving fish and products thereof. No. 1,252,865; Jan. 8; v. 246; p. 443.
Thompson, Robert M., Tacoma, Wash. Flying-machine. No. 1,282,494; Oct. 22; v. 255; p. 747.
Thompson, Ross E., Deming, N. Mex. Draft-gage. No. 1,286,447; Dec. 3; v. 257; p. 65.
Thompson, Roy D., Holbert, Tex. Stalk-cutter. No. 1,255,068; Jan. 29; v. 246; p. 1162.
Thompson, Samuel H., Los Angeles, Cal. Toothbrush sterilizer and retainer. No. 1,278,789; Sept. 10; v. 254; p. 419.
Thompson, Thomas, Paullina, Iowa. Hay-loader. No. 1,277,666; Sept. 3; v. 254; p. 93.
Thompson, Thomas B., assignor to Gulbransen-Dickinson Company, Chicago, Ill. Advertising device. No. 1,288,759; Dec. 24; v. 257; p. 727.
Thompson, Thomas E. (See Friedemann and Thompson.)
Thompson, Thomas E., Monrovia, Cal. Educational device. No. 1,253,908; Jan. 15; v. 246; p. 778.
Thompson, Thomas J., Climax, Minn. Storm-window fastener. No. 1,258,826; Mar. 12; v. 248; p. 294.
Thompson, Uldric, Jr., New York, N. Y., assignor, by mesne assignments, to Bertrom, Griscom & Co., Inc. Forming cavities in explosives. No. 1,255,836; Feb. 5; v. 247; p. 209.
Thompson, Victor, Vancouver, British Columbia, Canada. Vending-machine. No. 1,256,844; Feb. 19; v. 247; p. 582.
Thompson, Walter V., Los Angeles, Cal. Sprinkler. No. 1,289,962; Dec. 31; v. 257; p. 1046.
Thompson, William G., Newark, Ohio, assignor to The United States Graphite Company, Saginaw, Mich. Graphite-feeding lubricator. No. 1,264,999; May 7; v. 250; p. 35.
Thompson, William G. J., Clinton, Mass. Tool-holder. No. 1,282,984; Oct. 29; v. 255; p. 911.
Thompson, William I., Stoneham, Mass. Target apparatus. No. 1,266,348; May 14; v. 250; p. 437.
Thompson, William M. (See Bradley, John C., assignor.)
Thompson, William S., Leipsic, Ohio. Power-transmission mechanism. No. 1,274,627; Aug. 6; v. 253; p. 83.
Thompson, William W., Chicago, Ill. Connecting-pole. No. 1,282,653; Oct. 22; v. 255; p. 792.
Thomsen Chemical Co. (See Clark, Cyril B., assignor.)
Thomson, Albert R., Plantsville, Conn. Pickax. No. 1,262,870; Apr. 16; v. 249; p. 588.
Thomson, Alfred J., Canton, Mass. Clamp. No. 1,263,822; Apr. 23; v. 249; p. 872.
Thomson, Alfred J., assignor of one-half to G. H. Capen, Canton, Mass. Fastening or securing means. No. 1,275,176; Aug. 6; v. 253; p. 235.
Thomson, Alfred M., Newark, N. J. Turning and thread-milling machine. No. 1,279,041; Sept. 17; v. 254; p. 518.
Thomson, Charles H., Maryville, Tenn. Electrolytic apparatus. No. 1,265,551; May 7; v. 250; p. 184.
Thomson Electric Welding Company. (See Pierce, Robert C., assignor.)
Thomson Electric Welding Company. (See Von Henke, Edmund J., assignor.)
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric meter. No. 1,252,201; Jan. 1; v. 246; p. 220.
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. High-potential insulator. No. 1,255,667; Feb. 5; v. 247; p. 160.
Thomson, Elihu, Swampscott, assignor to Thomson Spot Welder Company, Boston, Mass. Cooling spot-welding electrode. No. 1,256,951; Feb. 19; v. 247; p. 616.
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric meter. No. 1,266,347; May 14; v. 250; p. 436.
Thomson, Elihu, Swampscott, assignor to Thomson Spot Welder Company, Boston, Mass. Electric welding. No. 1,273,203; July 23; v. 252; p. 773.
Thomson, Guy L. (See Wolmer, Hanlon, and Thomson.)
Thomson, Herbert G., New York, N. Y. Gate. No. 1,283,359; Oct. 29; v. 255; p. 1010.
Thomson, Hugh A., Glasgow, Scotland. Index-clip. No. 1,261,319; Apr. 2; v. 249; p. 93.
Thomson, Jennie L., Tunkhannock, Pa. Means for teaching reading. No. 1,263,626; Apr. 23; v. 249; p. 820.
Thomson, Jennie L., Tunkhannock, Pa. Means for teaching the alphabet and spelling. No. 1,270,566; June 25; v. 251; p. 769.
Thomson, John, New York, N. Y., assignor to John Thomson Press Company, Jersey City, N. J. Electric zinc-distilling furnace and condenser. No. 1,265,973; May 14; v. 250; p. 334.
Thomson, John, Chicago, Ill. Brick-laying machine. No. 1,277,777; Sept. 3; v. 254; p. 124.
Thomson, John M., Sourlake, Tex. Sectional link. No. 1,283,972; Nov. 5; v. 256; p. 140.
Thomson Meter Company. (See Lambert, Frank, assignor.)
Thomson Spot Welder Company. (See Gravell, James H., assignor.)
Thomson Spot Welder Company. (See Schkommodau, Gustave H., assignor.)
Thomson Spot Welder Company. (See Thomson, Elihu, assignor.)
Thomson Spot Welder Company. (See Von Henke, Edmund J., assignor.)
Thomson, Thomas N., Scranton, Pa. Automatic temperature-regulator. No. 1,289,963; Dec. 31; v. 257; p. 1046.
Thomson, William I., Newark, N. J., assignor to The Safety Car Heating & Lighting Company. Driving apparatus for car-lighting generators. No. 1,287,519; Dec. 10; v. 257; p. 363.
Thomson, William P., New York, N. Y., assignor to The Rail Joint Company. Canted rail-joint. No. 1,263,818; Apr. 23; v. 249; p. 871.
Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Grinding and polishing machine. No. 1,257,548; Feb. 26; v. 247; p. 824.
Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Bearing-guide for grinding-machines. No. 1,257,549; Feb. 26; v. 247; p. 824.
Thordarson, Chester H., Chicago, Ill. Transformer and like coil. No. 1,255,947; Feb. 12; v. 247; p. 281.
Thordarson, Chester H., Chicago, Ill. Coil structure for transformers and the like. No. 1,255,948; Feb. 12; v. 247; p. 281.
Thordarson, Chester H., Chicago, Ill. Suspension means for high-potential wires. No. 1,258,722; Mar. 12; v. 248; p. 264.
Thordarson, Chester H., Chicago, Ill. Transformer. No. 1,259,565; Mar. 19; v. 248; p. 536.
Thordarson, Chester H., Chicago, Ill. Transformer. No. 1,267,013; May 21; v. 250; p. 652.
Thordarson, Chester H., Chicago, Ill. Electrical transformer. No. 1,288,750; Dec. 24; v. 257; p. 725.
Thordarson, Chester H., Chicago, Ill. Long-distance high-potential electric-power system. No. 1,288,751; Dec. 24; v. 257; p. 725.
Thordarson, Chester H., Chicago, Ill. Case for transformers and the like. No. 1,288,752; Dec. 24; v. 257; p. 725.
Thoresen, Carl B., Brooklyn, N. Y. Folding hand-sled. No. 1,289,964; Dec. 31; v. 257; p. 1047.
Thormodson, Theodore G., Hanska, Minn. Pneumatic conveyer. No. 1,255,949; Feb. 12; v. 247; p. 282.
Thorn, Lawrence T., Lynnville, Tenn. Store-cabinet. No. 1,261,652; Apr. 2; v. 249; p. 187.
Thornber, John, assignor to Bradford Dyers' Association Limited, Bradford, England. Fabric-guiding device. No. 1,282,985; Oct. 29; v. 255; p. 912.
Thornberry, Charles L., Lincoln, Nebr. Means for securing wood flooring and trimming in place in fireproof buildings. No. 1,274,470; Aug. 6; v. 253; p. 47.
Thornberry, H. B. (See Beaudet, Telesphore J., assignor.)
Thornblade, Carl H., assignor to Pacific Electric Welder & Manufacturing Co., Seattle, Wash. Metal fish-basket. No. 1,252,740; Jan. 8; v. 246; p. 410.
Thornburg, Lee A., assignor of one-fourth to T. A. Lambert, Odenville, Ala. Safety mechanism for automatically applying air-brakes. No. 1,265,974; May 14; v. 250; p. 334.
Thornburg, Samuel M., Muncie, Ind. Jar-transferring machine. No. 1,263,485; Apr. 23; v. 249; p. 783.
Thornburgh, Ivan D., Oakland, assignor to American Can Company, San Francisco, Cal. Apparatus for preparing can ends for the reception of ring-liners. No. 1,261,976; Apr. 9; v. 249; p. 309.
Thornburgh, Ivan D., Oakland, assignor to American Can Company, San Francisco, Cal. Syruping apparatus. No. 1,284,948; Nov. 12; v. 256; p. 419.
Thornburrow, S. (See Pool, Austin R., assignor.)
Thorndike, Rothchild F., Boston, Mass. Display-box. No. 1,263,819; Apr. 23; v. 249; p. 871.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Reclaiming system in a sulfite pulp process. No. 1,263,486; Apr. 23, v. 249; p. 783.
Thorne, Harold, New York, N. Y. Aerial cableway carrier system. No. 1,276,830; Aug. 27; v. 253; p. 786.
Thorne, Percy H., Portland, Me. Shaft-revolving device. No. 1,263,487; Apr. 23; v. 249; p. 783.
Thorne, Victor C. (See Norring and Thorne.)
Thornton, Francis A., Richmond Heights, Mo. Aerial machine. No. 1,259,804; Mar. 19; v. 248; p. 604.
Thornton, Frederick, Huntington, W. Va. Trolley-wheel. No. 1,278,398; Sept. 10; v. 254; p. 314.
Thornton, Geary Y., Oakland, Oreg. Milking device. No. 1,262,871; Apr. 16; v. 249; p. 588.
Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Paper for producing photographic prints in colors. No. 1,263,962; Apr. 23; v. 249; p. 912.
Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Multicolor film. No. 1,281,714; Oct. 15; v. 255; p. 495.
Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Photographic-printing process. No. 1,288,753; Dec. 24; v. 257; p. 726.

Thornton, John N., Jersey City, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,283,360; Oct. 29; v. 255; p. 1010.

Thornton, John N., Jersey City, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,287,520; Dec. 10; v. 257; p. 363.

Thornton, Samuel, Oakland, Cal. Production of water-tight joints. No. 1,289,308; Dec. 31; v. 257; p. 886.

Thornton, William F., Birmingham, Ala. Unloading apparatus. No. 1,272,150; July 9; v. 252; p. 426.

Thoroughgood, John E., Sr., Edgecomb, Wash. Aerial life-saving device. No. 1,275,498; Aug. 13; v. 253; p. 348.

Thorp, Lambert, Detroit, Mich. Forming methyl ester of acetyl salicylic acid. No. 1,255,950; Feb. 12; v. 247; p. 282.

Thorp, Lambert, Detroit, Mich. Ethyl-isopropyl-barbituric acid. No. 1,255,951; Feb. 12; v. 247; p. 282.

Thorp, Lambert, Cincinnati, Ohio. Analgesic body and making. No. 1,279,942; Sept. 24; v. 254; p. 792.

Thorp & Martin Typewriter Co. (See Müller, Oscar F., assignor.)

Thorp, William T., Hillsboro, Ill. Tatting-shuttle. No. 1,266,728; May 21; v. 250; p. 572.

Thorp, William T., Hillsboro, Ill. Ticket-holder. No. 1,274,628; Aug. 6; v. 253; p. 83.

Thorpe, Frank M., Lamar, Mo. Rotary display device. No. 1,260,477; Mar. 26; v. 248; p. 831.

Thorpe, George M., Millville, N. J. Cam. No. 1,255,952; Feb. 12; v. 247; p. 282.

Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Cal. Radial head-gate. No. 1,275,499; Aug. 13; v. 253; p. 348.

Thorsell, Lars W., Waterbury, Conn. Automatic thread-rolling machine. No. 1,254,176; Jan. 22; v. 246; p. 875.

Thorsen, Hyrum, Annabella, Utah. Sleigh. No. 1,271,102; July 2; v. 252; p. 98.

Thorson, Arthur R., Graceville, Minn. Watering-trough. No. 1,282,986; Oct. 29; v. 255; p. 912.

Thorson, Theodore, Decorah, Iowa. Hay-fork. No. 1,263,963; Apr. 23; v. 249; p. 912.

Thorssell, Carl T., and H. L. R. Lundén, Gottenborg, Sweden. Production of oxalic acid. No. 1,251,938; Jan. 1; v. 246; p. 146.

Thorssell, Carl T., and H. L. R. Lundén, Gottenborg, Sweden. Production of nitrates from ammonia, ammonium combinations, or organic nitrogen combinations. No. 1,286,838; Dec. 3; v. 257; p. 155.

Thorssell, Carl T., and H. L. R. Lundén, Gottenborg, Sweden. Production of calcium nitrate. No. 1,286,839; Dec. 3; v. 257; p. 155.

Thorssell, Carl T., and H. L. R. Lundén, Gottenborg, Sweden. Production of nitrates by means of bacteria. No. 1,288,754; Dec. 24; v. 257; p. 726.

Thorssell, Carl T., and H. L. R. Lundén, Gottenborg, Sweden. Production of nitrates by means of bacteria. No. 1,288,755; Dec. 24; v. 257; p. 726.

Thorssell, Carl T., and H. L. R. Lundén, Gottenborg, Sweden. Oxidizing ammonia, ammonium combinations, or organic nitrogen combinations. No. 1,288,756; Dec. 24; v. 257; p. 726.

Thorwald Manufacturing Company. (See Peterson, Thorwald B., assignor.)

Thos. E. Wilson & Co. (See Paupa, Joseph, assignor.)

Thrane, Victor, Christiania, Norway. Production of nitrogen compounds from metal carbids. No. 1,273,690; July 23; v. 252; p. 902.

Thrasher, Charles M., Douglas, Ariz. Bag-closure. No. 1,288,290; Dec. 17; v. 257; p. 586.

Thrasher, Elmer E., Cumberland, Md. Magazine plate-holder. No. 1,260,596; Mar. 26; v. 248; p. 868.

Threadless Button Company, The. (See Snyder, George C., assignor.)

Three Leaf Cot Manufacturing Co. (See Clough, Alfred N., assignor.)

Throckmorton, John I., Clarksburg, Ohio. Truss. No. 1,272,577; July 16; v. 252; p. 571.

Throop, William D., Norwich, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Switch mechanism. No. 1,286,148; Nov. 26; v. 256; p. 797.

Thropp, Joseph W., Trenton, N. J. Antifriction-bearing. No. 1,263,964; Apr. 23; v. 249; p. 913.

Thrun, Ada I., Craig, Colo. Cooking apparatus. No. 1,254,376; Jan. 22; v. 246; p. 933.

Thueringer, Stephen, Makoti, N. D. Drinking-cup. No. 1,270,462; June 25; v. 251; p. 739.

Thull, Frank J., Minneapolis, Minn. Flour-packer. No. 1,282,318; Oct. 22; v. 255; p. 700.

Thullen, Christopher F., assignor of one-third to F. Ohde and one-third to A. A. F. Dreyer, Chicago, Ill. Level device. No. 1,281,096; Oct. 8; v. 255; p. 296.

Thum, Martin, assignor to S. C. Langslow, Rochester, N. Y. Reclining-chair. No. 1,279,943; Sept. 24; v. 254; p. 792.

Thum, William, Hammond, and J. J. Mulligan, East Chicago, Ind., assignors to United States Metals Refining Company, New York, N. Y. Electroplating. No. 1,283,973; Nov. 5; v. 256; p. 141.

Thunell, Fred, Salt Lake City, Utah. Sign-rack for letters and numerals. No. 1,271,804; July 9; v. 252; p. 326.

Thunell, Isaac P., Salt Lake City, Utah. Clothes and hat hanger cabinet. No. 1,278,790; Sept. 10; v. 254; p. 419.

Thuneman, Harry A., St. Louis, Mo. Vacuum-separator. No. 1,281,881; Oct. 15; v. 255; p. 542.

Thurber, Edward J., New Orleans, La., and J. W. Racklyeft, assignor, by mesne assignments, to Northern Engineering Works, Detroit, Mich. Valve mechanism. No. 1,271,805; July 9; v. 252; p. 326.

Thurber, Guy P., Pittsburgh, Pa. Insulation-breakdown detector. No. 1,255,668; Feb. 5; v. 247; p. 160.

Thurber, Guy P., assignor, by mesne assignments, to Automatic Train Control & Signal Company, Pittsburgh, Pa. Automatic signal. No. 1,274,629; Aug. 6; v. 253; p. 83.

Thurber, Matt B., Tecumseh, Nebr. Misfiring-testing device for multiple-cylinder engines. No. 1,279,380; Sept. 17; v. 254; p. 610.

Thurmes, George, Hampton, Minn. Device for removing wheels from shafts. No. 1,254,377; Jan. 22; v. 246; p. 933.

Thurston, Edwin L., trustee. (See Entz, Justus B., assignor.)

Thurston, Fred W., San Francisco, Cal., assignor, by mesne assignments, to Thurston Motor Fuel Gasifier Company of California. Homogenizer. No. 1,255,827; Feb. 5; v. 247; p. 206.

Thurston, Fred W., San Francisco, Cal., assignor, by mesne assignments, to Thurston Motor Fuel Gasifier Company of California. Homogenizer. No. 1,282,319; Oct. 22; v. 255; p. 700.

Thurston, Fred W., San Francisco, assignor to Thurston Motor Fuel Gasifier Company of California, San Diego, Cal. Method of and apparatus for starting and sustaining operation of an explosive-engine. No. 1,282,655; Oct. 22; v. 255; p. 792.

Thurston, Fred W., Spokane, Wash., assignor, by mesne assignments, to Thurston Motor Fuel Gasifier Company of California. Vaporizer. No. 1,282,654; Oct. 22; v. 255; p. 792.

Thurston, Howard, Beechurst, N. Y. Theatrical apparatus. No. 1,279,042; Sept. 17; v. 254; p. 518.

Thurston Motor Fuel Gasifier Company of California. (See Thurston, Fred W., assignor.)

Thurston, Nelson E., Niagara Falls, N. Y. Collar-button. No. 1,257,653; Feb. 26; v. 247; p. 854.

Thury, René, Geneva, Switzerland, assignor to Dick Kerr & Company, London, England. Electrical supply system at constant current strength and varying voltage. No. 1,280,587; Oct. 1; v. 255; p. 131.

Tibbals, Walter H., Onondaga, assignor to Endfire Extinguisher Company, Syracuse, N. Y. Fire-extinguisher. No. 1,274,957; Aug. 6; v. 253; p. 175.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,257,052; Feb. 19; v. 247; p. 644.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,263,627; Apr. 23; v. 249; p. 821.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Engine. No. 1,272,323; July 9; v. 252; p. 474.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Vibration-damping device. No. 1,273,952; July 30; v. 252; p. 1013.

Tibbetts, Milton, Detroit, Mich., assignor, by mesne assignments, to The Isko Company, Chicago, Ill. Refrigerating apparatus. No. 1,276,450; Aug. 20; v. 253; p. 646.

Tibbott, Charles, assignor to The Standard Parts Company, Cleveland, Ohio. Swaging and straightening tubing and mechanism for use therein. No. 1,287,791; Dec. 17; v. 257; p. 463.

Tibbs, Clarence E., assignor of one-third to B. B. Nervo, Seattle, Wash. Mirror-holder. No. 1,267,933; May 28; v. 250; p. 937.

Tibbs, Edith L., Greenville, S. C. Fire-alarm. No. 1,271,806; July 9; v. 252; p. 326.

Tice, Percival S., Detroit, Mich. Priming apparatus. No. 1,287,796; Dec. 17; v. 257; p. 465.

Tice, William G., *et al.* (See Shaw, Joseph B., assignor.)

Tichacek, James, Gleason, Wis. Package-reacher. No. 1,277,778; Sept. 3; v. 254; p. 125.

Ticheli, Michele, Columbia, La. Store-counter. No. 1,259,167; Mar. 12; v. 248; p. 393.

Tichenor, Charles E., Bloomfield, Ky. Letter-carrier. No. 1,256,845; Feb. 19; v. 247; p. 583.

Tichenor, Ella, Brooklyn, N. Y. Canopy. No. 1,289,965; Dec. 31; v. 257; p. 1047.

Tickner, Frank W., Sharpsville, Pa., assignor of one-half to F. J. Leuthner, Buffalo, N. Y. Molding apparatus. No. 1,274,107; July 30; v. 252; p. 1056.

Tidd Recording Clock Company. (See Tidd, Walter J., assignor.)

Alphabetical list of patentees—Continued.

Tidd, Walter J., assignor to Tidd Recording Clock Company, Springfield, Mass. Watchman's recording device. No. 1,283,361; Oct. 29; v. 255; p. 1011.
Tide Water Oil Company. (See Edwards, Joseph B., assignor.)
Tideman, Carl G., deceased, Worcester; R. M. Tideman, executrix, assignor to C. T. Burlin, Northbridge Center, Mass. Automatic nut-tapping machine. No. 1,274,355; July 30; v. 252; p. 1123.
Tideman, Rose M., executrix. (See Tideman, Carl G.)
Tidewater Equipment Corporation. (See Oberreich, Louis H., assignor.)
Tidman, Herbert C. L., Weston-super-Mare, England. Internal-combustion engine. No. 1,263,820; Apr. 23; v. 249; p. 872.
Tiede, Edward J., Cleveland, Ohio. Packing device for fragile articles. No. 1,282,656; Oct. 22; v. 255; p. 792.
Tiemann, Fritz, Berlin, Germany. Recovery of sugar from molasses. No. 1,256,952; Feb. 19; v. 247; p. 616.
Tiemann, Harry D., Madison, Wis. Dry-kiln. No. 1,268,180; June 4; v. 251; p. 31.
Tiemann, Harry D., Madison, Wis., and N. D. Betts, Linwood, Utah, assignors, by mesne assignments, to the Government of the United States. Dry-kiln. No. 1,276,451; Aug. 20; v. 253; p. 646.
Tiernan, Martin F. (See Wallace, Charles F., assignor.)
Tiernan, Martin F. (See Wallace and Tiernan.)
Tierney, James F., Indianapolis, Ind. Toy-propelling means. No. 1,257,151; Feb. 19; v. 247; p. 672.
Tierney, James S., Brooklyn, N. Y., assignor to American Shop Equipment Co., Chicago, Ill. Furnace. No. 1,269,132; June 11; v. 251; p. 317.
Tierney, John W. (See Harvey and Tierney.)
Tierney, Philip W., assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. No. 1,279,788; Sept. 24; v. 254; p. 747.
Tietzmann, Charles, Milwaukee, Wis., assignor of one-third to J. C. Griswold and one-third to A. Plage, New York, N. Y. Internal-combustion engine. No. 1,287,797; Dec. 17; v. 257; p. 465.
Tiffany, C. A., *et al.* (See McElroy, John F., assignor.)
Tiffany, George F., New York, N. Y. Cigarette-case. No. 1,256,953; Feb. 19; v. 247; p. 616.
Tiffany, George S., Summit, N. J., assignor to Gray National Telautograph Company, New York, N. Y. Telautographic apparatus. No. 1,272,874; July 16; v. 252; p. 657.
Tiffany, George S., Summit, N. J. Telautographic system. No. 1,279,178; Sept. 17; v. 254; p. 553.
Tiffany, George S., Summit, N. J. Telautographic system. No. 1,279,484; Sept. 17; v. 254; p. 636.
Tiffany, Herbert W., assignor of one-half to A. I. Negus, East Bridgewater, Mass. Hopper. No. 1,282,987; Oct. 29; v. 255; p. 912.
Tifft, Carrie, *et al.* (See Winne, Charles H., assignor.)
Tifft, Fred A., Cornish, N. H. Signal means. No. 1,282,143; Oct. 22; v. 255; p. 653.
Tigerstedt, Carl G. (See Johansson and Tigerstedt.)
Tigerstedt, Eric M. C., Copenhagen, Denmark. Sound-directing appliance. No. 1,276,287; Aug. 20; v. 253; p. 599.
Tilden, Ellsworth, Columbia Falls, Mont. Device for marking laying hens. No. 1,280,588; Oct. 1; v. 255; p. 132.
Tilford, George H., Providence, R. I., assignor of one-half to R. L. Moorhead, Brooklyn, N. Y. Safety-catch. No. 1,274,630; Aug. 6; v. 253; p. 84.
Tiller, Martin J., Wanamingo, Minn. Power-transmission universal joint. No. 1,274,213; July 30; v. 252; 1086.
Tillery, Noah F., Humansville, Mo. Self-cleaning oil-gage. No. 1,276,831; Aug. 27; v. 253; p. 786.
Tilley, Edwin F., Jr., Plainfield, N. J. Furnace-arch. No. 1,285,469; Nov. 19; v. 256; p. 590.
Tilley, Frederick G., St. Louis, assignor of one-fourth to C. F. Rott, Sappington, Mo. Incandescent lamp. No. 1,279,789; Sept. 24; v. 254; p. 748.
Tillinghast, Alexander R., assignor to Semet-Solvay Company, Solvay, N. Y. Making sodium ferrocyanid. No. 1,252,741; Jan. 8; v. 246; p. 410.
Tillinghast, Alexander R., assignor to Semet-Solvay Company, Solvay, N. Y. Making sodium ferrocyanid. No. 1,252,742; Jan. 8; v. 246; p. 410.
Tillman, Joseph T., Minneapolis, Minn. Fence-stay-wire-forming machine. No. 1,258,271; Mar. 5; v. 248; p. 94.
Tillman, Orion K., Horner, W. Va. Door-lock. No. 1,264,224; Apr. 30; v. 249; p. 1018.
Tillman, Orion K., Horner, W. Va. Lock. No. 1,264,225; Apr. 30; v. 249; p. 1018.
Tillman, Orion K., Horner, W. Va. Dead-latch. No. 1,264,226; Apr. 30; v. 249; p. 1018.
Tillmann, Charles M., Chicago, Ill. Bottle-carrier. No. 1,274,631; Aug. 6; v. 253; p. 84.
Tillmann, Richard M. O., Hamburg, Germany. Machine for treating casks, barrels, and the like. No. 1,261,188; Apr. 2; v. 249; p. 55.
Tillson, William H., Quincy, Ill. Overshoe attachment. No. 1,280,900; Oct. 8; v. 255; p. 244.
Tillyer, Edgar D. (See Bugbee and Tillyer.)
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Lens. No. 1,267,014; May 21; v. 250; p. 652.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Mirror. No. 1,278,521; Sept. 10; v. 254; p. 347.
Tillyer, Edgar D., and F. M. Bishop, assignors to American Optical Company, Southbridge, Mass. Gold-film. No. 1,287,793; Dec. 17; v. 257; p. 464.
Tilton, Fred N., Hartford, Conn. Screw threader and pointer. No. 1,252,630; Jan. 8; v. 246; p. 378.
Tilton, Reba R., Washington, D. C. Fruit-strainer. No. 1,285,470; Nov. 19; v. 256; p. 590.
Tily, Stephen B., Bala, M. O., and J. G. Rehfuss, assignors to John Wanamaker, Philadelphia, Philadelphia, Pa. Dating and mutilating machine. No. 1,269,979; June 18; v. 251; p. 582.
Tily, Stephen B., Bala, M. O. and J. G. Rehfuss, assignors to John Wanamaker Philadelphia, Philadelphia, Pa. Vending-machine. No. 1,283,429; Oct. 29; v. 255; p. 1028.
Tim, Jacob, New York, N. Y. Adjustable cap. No. 1,262,409; Apr. 9; v. 249; p. 429.
Timberlake, George B., St. Louis, Mo. Agricultural tractor. No. 1,258,502; Mar. 5; v. 248; p. 160.
Timberlake, Wilbur B., Jackson, Mich. Rack for display-cards. No. 1,260,095; Mar. 19; v. 248; p. 690.
Times-Systems Company. (See Schmidt, Frederick W., assignor.)
Timken-Detroit Axle Company, The. (See Weaver, Robert B., assignor.)
Timken, Henry H., Canton, Ohio. Roller-bearing. No. 1,288,291; Dec. 17; v. 257; p. 586.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Timlin, Irvin R., and H. W. Quernheim, St. Louis, Mo. Latch mechanism for doors. No. 1,282,320; Oct. 22; v. 255; p. 700.
Timm, John C., Girard, Ohio. Apparatus for making metal lath and similar materials. No. 1,261,320; Apr. 2; v. 249; p. 94.
Timm, John W., Memphis, Tenn. Front spring suspension for vehicles. No. 1,288,757; Dec. 24; v. 257; p. 726.
Timm, John W., Memphis, Tenn. Wheel-tire. No. 1,288,758; Dec. 24; v. 257; p. 727.
Timmerhoff, Ernest, assignor of one-half to C. E. Teed, Elkhart, Ind. Buffer. No. 1,275,500; Aug. 13; v. 253; p. 349.
Timmerman, Horace C., Grand Rapids, Mich. Bushing-removing tool. No. 1,286,449; Dec. 3; v. 257; p. 66.
Timmins, James R., assignor of one-fourth to O. Swain, Okmulgee, Okla. Oil-separator. No. 1,279,611; Sept. 24; v. 254; p. 696.
Timmis, Edgar W., London, England. Spring and manufacturing the same. No. 1,266,349; May 14; v. 250; p. 437.
Timmons, Jacob T., Avalon, Miss. Boll-weevil catcher. No. 1,256,394; Feb. 12; v. 247; p. 416.
Timmons, Robert F., Coshocton, Ohio. License-tag. No. 1,267,015; May 21; v. 250; p. 652.
Timpano, Giuseppe L., Northfield, Vt. Stone-sawing machine. No. 1,266,350; May 14; v. 250; p. 437.
Tin Decorating Company. (See Hermani, Henry, assignor.)
Tin Decorating Company of Baltimore. (See Gerhardt, Leonard, assignor.)
Tindall, William H., Barker Creek, and J. E. Van Dam, Traverse City, Mich. Silage-cover. No. 1,254,744; Jan. 29; v. 246; p. 1068.
Tinder, William, J. Staempfli, and J. N. Miles, Slidell, La. Piston-supporter. No. 1,281,882; Oct. 15; v. 255; p. 542.
Tingley, Allen J., Owasso, Mich. Fence. No. 1,275,795; Aug. 13; v. 253; p. 432.
Tinius Olsen Testing Machine Company, The. (See Hayes and Lewis, assignors.)
Tinker, John H. (See Harris and Tinker.)
Tinker, John H., and D. T. Harris, Chicago, Ill. Carry-iron. No. 1,257,424; Feb. 26; v. 247; p. 785.
Tinker, Ralph, Little York, Ill. Vehicle-coupling. No. 1,285,841; Nov. 26; v. 256; p. 723.
Tinnerman, George A., Cleveland, Ohio. Combined gas and solid-fuel range. No. 1,255,353; Feb. 5; v. 247; p. 69.
Tinsley, Edward O., Brooklyn, assignor to Robert Gair Company, New York, N. Y. Carton. No. 1,284,817; Nov. 12; v. 256; p. 385.
Tinsley, William J., Woodhaven, N. Y. Printer's quoin. No. 1,271,807; July 9; v. 252; p. 326.
Tinsman, Samuel H., Morris, Ill. Cultivator. No. 1,283,974; Nov. 5; v. 256; p. 141.
Tioli, Licurgo, Rome, Italy. Syllabic type-writer. No. 1,287,521; Dec. 10; v. 257; p. 363.
Tippel, Anthony T., St. Paul, Minn. Bow-facing oar. No. 1,252,743; Jan. 8; v. 246; p. 410.
Tipler, William. (See Blake and Tipler.)
Tips Aero Motor Company. (See Tips, Maurice A., assignor.)
Tips, Maurice A., assignor to Tips Aero Motor Company, Inc., Woonsocket, R. I. Rotary valve. No. 1,286,149; Nov. 26; v. 256; p. 797.
Tips, Maurice A., assignor to Tips Aero Motor Company, Inc., Woonsocket, R. I. Pump. No. 1,286,150; Nov. 26; v. 256; p. 798.

Tirpak, John, Somerfield, Pa. Hospital reading-stand. No. 1,286,840; Dec. 3; v. 257; p. 155.
Tirrell, Henry S., Brockton, assignor to L. Q. White Shoe Company, Bridgewater, Mass. Shoe-filler composition. No. 1,258,272; Mar. 5; v. 248; p. 94.
Tirrell, Warren, Brockton, Mass. Composite outer sole. No. 1,268,408; June 4; v. 251; p. 96.
Tirrill, Allen A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,252,060; Jan. 1; v. 246; p. 182.
Tirrill, Allen A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,275,796; Aug. 13; v. 253; p. 432.
Tirrill, Allen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator. No. 1,289,309; Dec. 31; v. 257; p. 883.
Tischer, Josef J., Westbury, N. Y. Life-preserving garment. No. 1,255,354; Feb. 5; v. 247; p. 69.
Tisman, Abraham, New York, N. Y. Automobile-bumper. No. 1,288,292; Dec. 17; v. 257; p. 586.
Tismer, Paul G., New York, N. Y. Cylinder and piston device. No. 1,272,578; July 16; v. 252; p. 572.
Tisne, Marcel H., New York, assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Valve. No. 1,289,575; Dec. 31; v. 257; p. 951.
Titan Co. A/S. (See Fladmark, Morten, assignor.)
Titan Co. A/S. of Norway. (See Goldschmidt, Victor M., assignor.)
Titanium Alloy Manufacturing Company, The. (See Rossi, Auguste J., assignor.)
Titanium Alloy Manufacturing Company, The. (See Barton, Louis E., assignor.)
Titanium Alloy Manufacturing Company, The. (See Barton and Gardner, assignors.)
Titanium Alloy Manufacturing Company, The. (See Vickers, Charles, assignor.)
Titcomb, George E., New York, N. Y., assignor to The McMyler Interstate Company, Cleveland, Ohio. System for handling coal and the like. No. 1,282,144; Oct. 22; v. 255; p. 653.
Titsworth, Ellen A. (See Hall, Cassius G., assignor.)
Titsworth, John T. (See Howard and Titsworth.)
Tittemore, Frank A. (See Spurr and Tittemore.)
Tittes, Paul, and W. Schönherr, assignors to Vogtländische Maschinen-Fabrik, Plauen, Germany. Embroidering-machine. No. 1,266,083; May 14; v. 250; p. 364.
Tittle, Horatio S., San Francisco, Cal. Reciprocating safety-switch. No. 1,263,150; Apr. 16; v. 249; p. 669.
Tittle, Horatio S., San Francisco, Cal. Oscillating safety-switch. No. 1,278,522; Sept. 10; v. 254; p. 347.
Tittle, Leonidas L., Jr., Dayton, Ohio. Clothes-pin. No. 1,265,139; May 7; v. 250; p. 75.
Tittle, Leonidas L., Jr., Dayton, Ohio. Funnel. No. 1,289,310; Dec. 31; v. 257; p. 886.
Titus, Claud L., Nymore, assignor of one-fourth to J. W. Smith and one-fourth to H. E. Titus, Bemidji, Minn. Attachment for feed-water injectors. No. 1,265,402; May 7; v. 250; p. 146.
Titus, Frank M., assignor to Blaisdell Machinery Company, Bradford, Pa. Combination gas-engine-driven air-compressor. No. 1,277,779; Sept. 3; v. 254; p. 125.
Titus, Harry E., *et al.* (See Titus, Claud L., assignor.)
Titus, Peter C., Brea, and W. C. Borough, Fullerton, Cal. Bell-nipple. No. 1,258,273; Mar. 5; v. 248; p. 94.
Tizley, Arthur J., Brooklyn, assignor to Edward F. Caldwell & Company, New York, N. Y. Fixture-support. No. 1,267,934; May 28; v. 250; p. 937.
Tizley, Arthur J., assignor to Edward F. Caldwell and Company, New York, N. Y. Shade-holder. No. 1,274,214; July 30; v. 252; p. 1086.
Tizley, Arthur J., Brooklyn, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Candle-socket. No. 1,279,179; Sept. 17; v. 254; p. 553.
Tjaden, Fred. (See Berck and Tjaden.)
Tjosvold, Carl M., Kramer, N. D. Check-writer. No. 1,252,202; Jan. 1; v. 246; p. 221.
Tkacz, Alex. (See Swaykus and Tkacz.)
Toal, John H., Chicago, Ill. Safety-razor. No. 1,259,931; Mar. 19; v. 248; p. 643.
Tobacco Stemming Machine Company, The. (See Schofield, Frederick C., assignor.)
Tobeler, Emil, Detroit, Mich. Rotary valve. No. 1,256,395; Feb. 12; v. 247; p. 416.
Tobelmann, Henry A. (See Montgomery and Tobelmann.)
Tobias, Alexander, New York, N. Y. Combined step-ladder and ironing-board support. No. 1,271,808; July 9; v. 252; p. 327.
Tobias, Frank, Tifton, Ga. Necktie-stretcher. No. 1,277,667; Sept. 3; v. 254; p. 93.
Tobias, Frank C., Fort Wayne, Ind. Portable tram. No. 1,253,301; Jan. 15; v. 246; p. 603.
Tobias, William L. (See Daly and Tobias.)
Tobiason, Carl, Sycamore, Ill. Harrow. No. 1,278,791; Sept. 10; v. 254; p. 420.
Tobiczyk, Thomas, Erie, Pa. Pressing-iron. No. 1,288,760; Dec. 24; v. 257; p. 727.
Tobiessen, Emanuel, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor-controller. No. 1,279,790; Sept. 24; v. 254; p. 748.
Tobin, Edward T., *et al.* (See Haynes and Garvin, assignors.)
Tobler, Henri, Hackensack, N. J. Cream of tartar from wine-lees. No. 1,278,257; Sept. 10; v. 254; p. 277.
Tobler, Henri, Hackensack, N. J. Pump for acids. No. 1,282,145; Oct. 22; v. 255; p. 653.
Tobler, Henri, Hackensack, assignor to Citro Chemical Company, Maywood, N. J. Manufacture of organic acids. No. 1,288,293; Dec. 17; v. 257; p. 586.
Tobler, Jakob, Jr., Vonwil, near St. Gallen, Switzerland. Embroidering-machine. No. 1,258,274; Mar. 5; v. 248; p. 94.
Todd, Frederick J., Egg Harbor, N. J. Electric-lighting apparatus. No. 1,258,827; Mar. 12; v. 248; p. 294.
Todd, Frederick J., Egg Harbor, N. J. Gear actuating and locking mechanism. No. 1,274,471; Aug. 6; v. 253; p. 37.
Todd, George W., Omaha, Nebr. Dispensing-receptacle for liquid anesthetics. No. 1,272,579; July 16; v. 252; p. 572.
Todd, Herman A., *et al.* (See Champlin, Raymond, assignor.)
Todd, James T., Detroit, Mich. Tire. No. 1,285,471; Nov. 19; v. 256; p. 590.
Todd, James T. A., Fort Worth, Tex. Safety starting device for internal-combustion motors. No. 1,261,977; Apr. 9; v. 249; p. 310.
Todd, Libanus M., assignor, by mesne assignments, to Todd Protectograph Company, Rochester, N. Y. Check-writer. No. 1,255,247; Feb. 5; v. 247; p. 38.
Todd, Milton, Kiesling, Wash. Oven-shelf. No. 1,279,612; Sept. 24; v. 254; p. 696.
Todd Protectograph Co. (See Angell, Edwin E., assignor.)
Todd Protectograph Company. (See Cumpston, Edward H., Jr., assignor.)
Todd Protectograph Company. (See Johanson, Magnus H., assignor.)
Todd Protectograph Company. (See Todd, Libanus M., assignor.)
Todd, Samuel J., assignor of one-half to J. Palmer, Jr., Detroit, Mich. Work-holder for milling-machines. No. 1,260,096; Mar. 19; v. 248; p. 690.
Todd, Thomas W., Bend, Oreg. Lock-pin grip. No. 1,265,140; May 7; v. 250; p. 75.
Todt, Fred, Springfield, Mass. Measuring instrument. No. 1,281,715; Oct. 15; v. 255; p. 496.
Toennes, William, Hazleton, Pa. Installment-pay envelop. No. 1,283,975; Nov. 5; v. 256; p. 141.
Toepfer, Fred F., Salina, Kans. Dirigible headlight. No. 1,284,818; Nov. 12; v. 256; p. 385.
Tokaryk, John, Mond Mine, Ontario, Canada. Horse-detacher. No. 1,259,566; Mar. 19; v. 248; p. 536.
Toledo Commutator Co., The. (See Alexander, Louis A., assignor.)
Toledo Glass Company, The. (See Colburn, Irving W., assignor.)
Toledo Glass Company, The. (See Owens, Michael J., assignor.)
Toledo Machine & Tool Company, The. (See Lindgren, Bror J., assignor.)
Toledo Metal Wheel Company, The. (See Weber, John, Jr., assignor.)
Toledo Parlor Furniture Company, The. (See De Does, Peter J., assignor.)
Toledo Scale Company. (See Crane, Samuel G., assignor.)
Toledo Scale Company. (See De Vilbiss, Allen, Jr., assignor.)
Toledo Scale Company, The. (See Eklund, Stone E., assignor.)
Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Hert, Samuel N., assignor.)
Toledo Scale Company. (See Myers, Hubert A., assignor.)
Toledo Scale Company. (See Pool, Elmer C., assignor.)
Toledo Scale Company. (See Reeves, Orwell C., assignor.)
Toledo Scale Company. (See Templeton, William G., assignor.)
Toledo Scale Company. (See Theobald, John L., assignor.)
Toledo Scale Company. (See Wetzel, Lewis C., assignor.)
Toledo Scale Company. (See Zinke, Carl J., assignor.)
Toledo Web Press Manufacturing Company, The. (See Chapman, Charles C., assignor.)
Toles, Justin K., San Francisco, Cal., assignor to Union Fibre Company, Winona, Minn. Producing fibrous material from rice-straw. No. 1,262,872; Apr. 16; v. 249; p. 589.
Toles, Justin K., San Francisco, Cal., assignor to Union Fibre Company, Winona, Minn. Thermotic insulating material and making same. No. 1,281,097; Oct. 8; v. 255; p. 297.
Toles, Justin K., San Francisco, Cal. Water-heater. No. 1,289,576; Dec. 31; v. 257; p. 951.
Tolfree, Edward R. (See Stern and Tolfree.)
Tolhurst Machine Works. (See Bryson, Tandy A., assignor.)
Toll, Alfred, Kansas City, Mo. Swivel for telephone-boxes. No. 1,255,248; Feb. 5; v. 247; p. 38.
Toll, Rensselaer H., Berkeley, Cal. Combined book pull and marker. No. 1,266,885; May 21; v. 250; p. 615.
Tollagsen, Olaf, Chicago, Ill. Cooking vessel. No. 1,263,004; Apr. 16; v. 249; p. 626.
Tollbom, John A. (See Larson and Tollbom.)

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Tollefson, Gilbert, Bagley, Minn. Runner attachment for motor-driven vehicles. No. 1,275,797; Aug. 13; v. 253; p. 433.
Tollefson, Gilbert, Bagley, Minn. Potato loader and sorter. No. 1,289,577; Dec. 31; v. 257; p. 952.
Tollerton, William J. (See Mennie and Wanamaker, assignors.)
Tollerton, William J., Chicago, Ill. Lubricating mechanism. No. 1,282,321; Oct. 22; v. 255; p. 701.
Tollerton, William J., Chicago, Ill. Sill construction for cars. No. 1,284,819; Nov. 12; v. 256; p. 385.
Tolley, Samuel, Abingdon, Ill. Pole or tongue cap for neck-yoke connections. No. 1,253,909; Jan. 15; v. 246; p. 778.
Tollinger, Edward C. (See Shields, Ferdinand W., assignor.)
Tolman, Charles P., assignor to National Lead Company, New York, N. Y. Metal keg. No. 1,256,184; Feb. 12; v. 247; p. 354.
Tolman, Charles P., New York, N. Y. Infant's dressing-tray. No. 1,279,944; Sept. 24; v. 254; p. 793.
Tolsma, Reinder B., Everett, Wash. Traction-belt for autocars. No. 1,256,744; Feb. 19; v. 247; p. 553.
Tomasek Rudolf, Omaha, Nebr. Die-adjuster. No. 1,279,945; Sept. 24; v. 254; p. 793.
Tomaszewski, John, Warren, R. I. Convertible bed, chair, and table. No. 1,259,932; Mar. 19; v. 248; p. 643.
Tombyll, Thomas H., Montreal, Canada, and L. Bottger, New York, assignors to United States Flax Harvesting Co. (Inc.), City Island, N. Y. Flax attachment for harvesters. No. 1,272,875; July 16; v. 252; p. 658.
Tomkins, Edwin F., Coaticook, Quebec, Canada. Means for winding and carrying tape, braid, and the like. No. 1,261,872; Apr. 9; v. 249; p. 281.
Tomkins, Edwin F., Coaticook, Quebec, Canada. Lacing-tip. No. 1,276,833; Aug. 27; v. 253; p. 786.
Tomkins, Edwin F., Coaticook, Quebec, Canada. Lace-tipping machine. No. 1,276,834; Aug. 27; v. 253; p. 786.
Tomkinson, Charles C. (See Ogden and Tomkinson.)
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Door-counterbalancing system. No. 1,253,302; Jan. 15; v. 246; p. 603.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Actuating mechanism. No. 1,258,379; Mar. 5; v. 248; p. 124.
Tomkinson, Charles C., Plainfield, N. J., assignor to George H. Frothingham Company, New York, N. Y. Door-control mechanism. No. 1,276,996; Aug. 27; v. 253; p. 829.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Reversible lock for hangar-doors. No. 1,278,258; Sept. 10; v. 254; p. 278.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Door. No. 1,282,146; Oct. 22; v. 255; p. 654.
Tomkinson, Charles C., Plainfield, and A. T. Prescott, East Orange, N. J., assignors to George H. Frothingham Company, New York, N. Y. Movable door-column. No. 1,258,638; Mar. 5; v. 248; p. 202.
Tomkovich, Timofey P., Springfield, Vt. Brick-press. No. 1,280,331; Oct. 1; v. 255; p. 61.
Tomlin, Wesley R., Fort Collins, Colo. Garment-scale. No. 1,253,303; Jan. 15; v. 246; p. 603.
Tomlinson, Charles H., Mansfield, Ohio. Automatic car air and electric coupling mechanism. No. 1,287,799; Dec. 17; v. 257; p. 465.
Tomlinson, Charles H., Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Denver, Colo. Emergency-brake attachment. No. 1,288,294; Dec. 17; v. 257; p. 587.
Tomlinson, Clarence L., New York, N. Y., assignor to G. Reynolds, Los Angeles, Cal. Moving-picture machine. No. 1,265,715; May 7; v. 250; p. 229.
Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
Tomlinson, Edward J. (See Libby and Tomlinson.)
Tomlinson, Edward J., assignor to Splitdorf Electrical Company, Newark, N. J. Engine-starter. No. 1,262,873; Apr. 16; v. 249; p. 589.
Tomlinson, Joseph, assignor to Cox Multi-Mailer Co., Chicago, Ill. Card-printing and envelop-addressing machine. No. 1,281,098; Oct. 8; v. 255; p. 297.
Tomlinson, Joseph, assignor to Cox Multi-Mailer Co., Chicago, Ill. Paper-feeding mechanism. No. 1,281,099; Oct. 8; v. 255; p. 297.
Tommasini, Vitaliano. (See Lorioli, Filippo, assignor.)
Tompkins, Clyde S., Rosedale, Kans. Tobacco-box attachment. No. 1,279,946; Sept. 24; v. 254; p. 793.
Tompkins, Fred C. (See Clifford and Tompkins.)
Tompkins, Henry M., Detroit, and H. K. Koppin, Jackson, Mich. Door-latch. No. 1,253,545; Jan. 15; v. 246; p. 675.
Tompkins, Ralph S. (See Robinson, Charles A., assignor.)
Tomsany, Joseph, Wheeling, W. Va. Valve for can-spouts. No. 1,261,321; Apr. 2; v. 249; p. 94.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Plastic composition. No. 1,259,806; Mar. 19; v. 248; p. 604.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Purified crystalline alumina and making the same. No. 1,276,134; Aug. 20; v. 253; p. 557.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Apparatus for testing hardness. No. 1,283,362; Oct. 29; v. 255; p. 1011.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory article. No. 1,289,578; Dec. 31; v. 257; p. 952.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory article. No. 1,289,966; Dec. 31; v. 257; p. 1047.
Tonkonogy, Nathaniel A. (See Hecht, Solomon S., assignor.)
Tonolli, John P., Duluth, Minn. Adjustable crutch. No. 1,270,463; June 25; v. 251; p. 739.
Tontrup, George H. (See Schechter, Bernard, assignor.)
Toof, Franklin P., Paducah, Ky. Mop. No. 1,281,883; Oct. 15; v. 255; p. 542.
Toohey, John E., Grand Rapids, Mich. Framing-machine. No. 1,254,177; Jan. 22; v. 246; p. 875.
Tooke, William A., Montreal, Quebec, Canada. Machine for ironing the yokes of shirts. No. 1,267,823; May 28; v. 250; p. 905.
Tooker, John N. (See Schroeder and Tooker.)
Tookey, William E., assignor of one-half to A. Groves, Fergus, Ontario, Canada. Wheel-guard. No. 1,283,428; Oct. 29; v. 255; p. 1028.
Toomey, Alfred E., Edmore, N. D. Grease-cup. No. 1,266,351; May 14; v. 250; p. 437.
Toomey, James P. (See Robinson and Toomey.)
Toomey, John, and J. Oldham, North Adams, Mass. Square and miter device. No. 1,270,464; June 25; v. 251; p. 740.
Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Automatic switching means. No. 1,270,465; June 25; v. 251; p. 740.
Toomey, John F., New York, N. Y., and W. V. H. Read, Newark, N. J., assignors to American Telephone and Telegraph Company. Artificial-line-selecting system. No. 1,277,274; Aug. 27; v. 253; p. 903.
Tootal, Sydney M., Blackpool, England. Dye. No. 1,289,968; Dec. 31; v. 257; p. 1048.
Topalian, John, New York, N. Y. Vegetable-cutting apparatus. No. 1,263,151; Apr. 16; v. 249; p. 670.
Topalian, John, New York, N. Y. Vegetable-cutting apparatus. No. 1,263,152; Apr. 16; v. 249; p. 670.
Topalian, John, New York, N. Y. Vegetable-cutting apparatus. No. 1,263,153; Apr. 16; v. 249; p. 670.
Topczewski, John, Chicago, Ill. Ship-protector. No. 1,263,154; Apr. 16; v. 249; p. 670.
Topham, Laurence E., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Wax-thread sewing-machine. No. 1,289,311; Dec. 31; v. 257; p. 887.
Topham, Laurence E., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,289,312; Dec. 31; v. 257; p. 887.
Topham, Laurence E., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sewing-machine. No. 1,289,313; Dec. 31; v. 257; p. 887.
Topham, Laurence E., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Inseam sewing-machine. No. 1,289,314; Dec. 31; v. 257; p. 887.
Topliff, George W., C. Bornmann, and E. C. Clark, assignors to Ansco Company, Binghamton, N. Y. Automatic film-winding camera. No. 1,268,805; June 4; v. 251; p. 209.
Topper, Richard, *et al.* (See Hironimus, Fred W., assignor.)
Torano, Jose A., Key West, Fla. Chair. No. 1,273,953; July 30; v. 252; p. 1013.
Torchia, Julius C., Hazleton, Pa. Fastener-inserting machine. No. 1,274,817; Aug. 6; v. 253; p. 135.
Torgersen, Orne H., assignor of one-half to F. A. B. Holmes, Chicago, Ill. Electric controller. No. 1,267,714; May 28; v. 250; p. 874.
Torgersen, Orne H., assignor of one-half to F. A. B. Holmes, Chicago, Ill. Circuit-breaker. No. 1,287,522; Dec. 10; v. 257; p. 364.
Torjesen, John, West New York, N. J. Pile-driver. No. 1,266,352; May 14; v. 250; p. 438.
Tormey, E. N. (See Hartwell, Albert E., assignor.)
Tormey, James S. (See Adamson and Tormey.)
Tormoen, Joseph. (See Tormoen, Nickolai and J.)
Tormoen, Nickolai and J., Taylor, Wis. Gear-shifting mechanism. No. 1,274,632; Aug. 6; v. 253; p. 84.
Tornberg, Isidor. (See Roesen and Tornberg.)
Tornberg, Isidor, New York, N. Y. Variable-speed power-transmitter. No. 1,280,901; Oct. 8; v. 255; p. 244.
Tornberg, Isidor, Brooklyn, N. Y. Transmission mechanism. No. 1,282,495; Oct. 22; v. 255; p. 748.
Tornberg, Isidor, assignor to R. Hoe and Co., New York, N. Y. Offset-web mechanism. No. 1,285,842; Nov. 26; v. 256; p. 724.
Tornberg, Isidor, assignor to R. Hoe and Co., New York, N. Y. Intaglio-printing machine. No. 1,286,450; Dec. 3; v. 257; p. 66.

Toronto Power Company, The. (See Clark, Ackerman, and Cansfield, assignors.)
Toronto Power Company, The. (See MacDougall and Middleton, assignors.)
Toronto Power Company Limited, The. (See Clark and Stuart, assignors.)
Toronto Power Company Limited, The. (See Clark, Ackerman, and Cansfield, assignors.)
Toronto Power Company Limited, The. (See Stuart, Alexander T., assignor.)
Toronto Type Foundry Company. (See Trudelle, Philip D., assignor.)
Torp, John A., Aberdeen, Wash. Working-bench. No. 1,272,151; July 9; v. 252; p. 426.
Torpey, William A., Chicago, Ill. Cleaning device for tubular boilers. No. 1,286,451; Dec. 3; v. 257; p. 66.
Torpy, Leon. (See Myers, Melvin A., assignor.)
Torrance, Hugh S., Kearney, N. J. Strip-serving device. No. 1,287,140; Dec. 10; v. 257; p. 271.
Torrazza, Odoardo A., Panama, Panama. Bottle and jar closure. No. 1,259,168; Mar. 12; v. 248; p. 393.
Torres, Frank, El Paso, Tex. Flying-machine. No. 1,289,967; Dec. 31; v. 257; p. 1047.
Torrey, Bates, Jr. (See Sanford, Miller, and Torrey.)
Torrey, Levi F., Cleveland, Ohio. Spring-fitting machine. No. 1,253,304; Jan. 15; v. 246; p. 604.
Torrey, Lewis H., Worcester, Mass. Suspension device. No. 1,253,647; Jan. 15; v. 246; p. 704.
Torrington Company, The. (See Dayton, James M., assignor.)
Torris Wold & Company. (See Cameron, William, assignor.)
Torsion Balance Company, The. (See Becker, Christopher A., assignor.)
Tosch, William F., Kansas City, Mo. Lawn-mower. No. 1,275,798; Aug. 13; v. 253; p. 433.
Tosney, William F., Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Combined trimming mechanism and presser-foot. No. 1,286,452; Dec. 3; v. 257; p. 66.
Tost, Charles R., Cranston, assignor to The Hadley Company, Providence, R. I. Bracelet. No. 1,285,843; Nov. 26; v. 256; p. 724.
Toth, Joe F., Detroit, Mich. Map-indicator. No. 1,276,835; Aug. 27; v. 253; p. 787.
Tóth, József, Ralphton, Pa. Milk-boiler. No. 1,264,348; Apr. 30; v. 249; p. 1051.
Toth, Steven, Los Angeles, Cal. Well-boring tool. No. 1,259,319; Mar. 12; v. 248; p. 434.
Toth, Stephen, and P. Sanko, Sr., Furnace Run, Pa. Weapon. No. 1,259,682; Mar. 19; v. 248; p. 568.
Tothill, William S., Chicago, Ill. Horizontal bar. No. 1,286,151; Nov. 26; v. 256; p. 798.
Totten, Harvey S., Port Angeles, Wash. Washing-machine. No. 1,271,809; July 9; v. 252; p. 327.
Totzke, Albert C., St. Joseph, Mich. Fastener-applying machine. No. 1,258,275; Mar. 5; v. 248; p. 95.
Totzke, Emil M., St. Joseph, Mich. Action-controlling attachment for vehicle-springs. No. 1,287,523; Dec. 10; v. 257; p. 364.
Tourreil, Maurice, Nantes, France. Variable-speed apparatus. No. 1,269,338; June 11; v. 251; p. 375.
Tousey, Sinclair, New York, N. Y. Fire-control device. No. 1,288,761; Dec. 24; v. 257; p. 727.
Tovsen, Peder, Minneapolis, Minn. Shocker. No. 1,261,653; Apr. 2; v. 249; p. 187.
Tow, James O., Columbia, Mo. Internal-combustion-engine cylinder. No. 1,273,109; July 16; v. 252; p. 720.
Tow, James O., assignor of one-fourth to D. Rhorig, Columbia, Mo. Speed-governor for engines. No. 1,286,295; Dec. 17; v. 257; p. 587.
Tower, Edwin B. H., Jr., Milwaukee, Wis., and R. H. Van Nest, Niagara Falls, N. Y., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Welding-controller. No. 1,289,020; Dec. 24; v. 257; p. 789.
Tower, Herschel E., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument air-governor check. No. 1,253,110; Jan. 8; v. 246; p. 519.
Tower, Willie J., Seattle, Wash. Rotary engine. No. 1,272,728; July 16; v. 252; p. 615.
Towers, Jesse, Cornwall, Ontario, Canada, assignor to Draper Corporation, Hopedale, Mass. Protector for automatic filling-replenishing looms. No. 1,285,844; Nov. 26; v. 256; p. 724.
Towers, Walter J., (See Otis, Gerald E., assignor.)
Towl, Charles. (See Smith and Towl.)
Towle, Adelbert M., Augusta, Me. Shoe polisher and guard. No. 1,258,828; Mar. 12; v. 248; p. 295.
Towle, Elisha J. (See Read and Towle.)
Towner, Thomas G. (See Carpenter and Towner.)
Townsend, Charley C., Riverside, assignor of one-fourth to A. Finnila, Los Angeles, one-fourth to W. R. Lever, and one-fourth to L. H. Rich, Riverside, Cal. Rotary-cutter earth-plow, cultivator, and ditch-digger. No. 1,277,780; Sept. 3; v. 254; p. 126.
Townsend, Charles H., Yonkers, N. Y. Sprinkler-head for fire-extinguishing systems. No. 1,261,873; Apr. 9; v. 249; p. 281.
Townsend, Clinton P., Washington, D. C., assignor to General Bakelite Company, New York, N. Y. Coating composition. No. 1,273,954; July 30; v. 252; p. 1014.
Townsend, Daniel H., Memphis, Tenn. Sliding-door hanger. No. 1,269,133; June 11; v. 251; p. 318.
Townsend, Everett L., La Crosse, Wis. Auxiliary work-rest. No. 1,274,215; July 30; v. 252; p. 1087.
Townsend, Francis M., *et al.* (See Trumble, Milon J., assignor.)
Townsend, Harry E., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Combined screw-cap and side seal. No. 1,259,807; Mar. 19; v. 248; p. 605.
Townsend, Harry E., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Varnish-cap and the like. No. 1,263,488; Apr. 23; v. 249; p. 784.
Townsend, Harry P., assignor to The H. P. Townsend Manufacturing Company, Hartford, Conn. Feed mechanism for metal-working machines. No. 1,257,550; Feb. 26; v. 247; p. 825.
Townsend, Harry P., assignor to The H. P. Townsend Manufacturing Company, Hartford, Conn. Machine for making screws. No. 1,257,551; Feb. 26; v. 247; p. 825.
Townsend, Harry P., assignor to The H. P. Townsend Manufacturing Company, Hartford, Conn. Automatic metal-working machine. No. 1,282,496; Oct. 22; v. 255; p. 748.
Townsend, Isaac W., Galveston, Tex. Roll-calendar. No. 1,267,935; May 28; v. 250; p. 937.
Townsend, James L., McDonalds, N. C. Clutch device. No. 1,260,478; Mar. 26; v. 248; p. 831.
Townsend, John R., Chicago, Ill. Air-brake switch. No. 1,275,326; Aug. 13; v. 253; p. 301.
Townsend, Leroy S., assignor of one-half to G. Saco, Toledo, Ohio. Scaffold-lift. No. 1,278,792; Sept. 10; v. 254; p. 420.
Townsend, Maurice L., Charlotte, N. C. Inhaler. No. 1,262,874; Apr. 16; v. 249; p. 589.
Townsley, Emma W., assignor of one-third to F. Trozzo, Lockport, N. Y. Lamp-chimney. No. 1,278,061; Sept. 3; v. 254; p. 199.
Townsley, Harlie A., assignor of one-half to E. J. Feuling, New Hampton, Iowa. Package-tie. No. 1,265,279; May 7; v. 250; p. 112.
Towsley, Irving S. (See Towsley, Kathryn and I. S.)
Towsley, Kathryn and I. S., Philadelphia, Pa. Profile-recorder. No. 1,272,729; July 16; v. 252; p. 616.
Toyokawa, Junya, Tokyo, Japan. Gyroscopic compass. No. 1,260,097; Mar. 19; v. 248; p. 690.
Tozer, Archibald B., assignor to Reed Manufacturing Company, Erie, Pa. Vise. No. 1,257,152; Feb. 19; v. 247; p. 672.
Tozer, William, Milner, British Columbia, Canada. Egg-box filler. No. 1,253,442; Jan. 15; v. 246; p. 647.
Tozier, David W., Kelliher, Minn. Spring-tooth harrow. No. 1,278,793; Sept. 10; v. 254; p. 420.
Tozzi, Angelo M., Bayonne, N. J., assignor to Tozzi Manufacturing Company, New York, N. Y. Machine for uniting sections of cork and the like. No. 1,274,216; July 30; v. 252; p. 1087.
Tozzi, Angelo M., Bayonne, N. J. Stylus for sound-reproducing machines. No. 1,284,820; Nov. 12; v. 256; p. 386.
Tozzi Manufacturing Company. (See Tozzi, Angelo M., assignor.)
Trabing, Charles. (See Holmberg, Oscar F., assignor.)
Trace, Russell A., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Gate-controlling device for cookers. No. 1,254,745; Jan. 29; v. 246; p. 1068.
Tractor Motors Company. (See Noack, Walter G., assignor.)
Tracy, Ernest B., J. H. D. Peters, S. A. Griffiths, and A. A. Hebert, Seattle, Wash. Machine for cutting heads from cans. No. 1,283,976; Nov. 5; v. 256; p. 141.
Tracy, Frank L. (See Shimer, Allen C., assignor.)
Tracy, Harmon N., Los Angeles, Cal. Apparatus for reducing ores. No. 1,279,180; Sept. 17; v. 254; p. 554.
Tracy, Harmon N., Los Angeles, Cal. Apparatus for reducing ores. No. 1,279,181; Sept. 17; v. 254; p. 554.
Tracy, James J., Cleveland, Ohio. Manufacture of hats. No. 1,280,902; Oct. 8; v. 255; p. 245.
Tracy, James J., Cleveland, Ohio. Mechanism for making hats. No. 1,288,762; Dec. 24; v. 257; p. 727.
Tracy, Joseph M., Seattle, Wash. Spring-bending machine. No. 1,260,733; Mar. 26; v. 248; p. 908.
Tracy, Wellington, Winthrop, Mass. Steering-gear attachment for motor-vehicles. No. 1,267,289; May 21; v. 250; p. 727.
Traeger, Delbert O., assignor of one-half to W. J. Godley, Porterville, Cal. Spool-holder. No. 1,260,597; Mar. 26; v. 248; p. 868.
Traer, Glenn W., Chicago, Ill. Coal-carrier for retorts. No. 1,267,479; May 28; v. 250; p. 807.
Traffic Sign & Signal Company. (See Strout, Harvey C., assignor.)
Trafton, Edgar B., Sherman, Me. Window-lock. No. 1,262,410; Apr. 9; v. 249; p. 429.
Trager, Harry E., Arcanum, Ohio. Combined harrow and hoe. No. 1,272,152; July 9; v. 252; p. 427.
Tragethon, Arne S., Kensett, Iowa. Combined shade-roller and curtain-bracket. No. 1,278,260; Sept. 10; v. 254; p. 278.

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Train, John, Wessington Springs, S. D. Combination mirror, brush, and comb. No. 1,259,169; Mar. 12; v. 248; p. 393.
Trammell, J. V. (See Martin, Alvie R., assignor.)
Trammell, William H., Belton, S. C. Automobile attachment. No. 1,277,781; Sept. 3; v. 254; p. 126.
Tramutolo, Gerardo, Newark, N. J. Baggage-transfer. No. 1,273,424; July 23; v. 252; p. 831.
Trane Company. (See Trane, Reuben N., assignor.)
Trane, Reuben N., assignor to Trane Company, La Crosse, Wis. Heating system. No. 1,252,967; Jan. 8; v. 246; p. 474.
Trane, Reuben N., La Crosse, Wis. Thermostatic trap. No. 1,288,296; Dec. 17; v. 257; p. 587.
Tranter, Walter. (See Kinchin and Tranter.)
Tranthan, Clyde A., Kansas City, Mo. Film-fire extinguisher. No. 1,266,353; May 14; v. 250; p. 438.
Trattler, Morris, assignor to G. H. and E. Freydberg, New York, N. Y. Neckwear-form. No. 1,282,720; Oct. 22; v. 255; p. 809.
Traub, Herbert D. (See Ensign and Traub.)
Traudt, William F., Rutherford, N. J. Automatic liquid-flow regulator. No. 1,279,613; Sept. 24; v. 254; p. 696.
Traut, Clifford. (See Higgin and Traut.)
Traut & Hine Mfg. Co. (See Humphrey, Ernest N., assignor.)
Trautman, August G., New York, N. Y. Submarine safety and observation device. No. 1,263,155; Apr. 16; v. 249; p. 671.
Trautman, Burl N., Conesville, Iowa. Seed-extracting machine. No. 1,266,641; May 21; v. 250; p. 548.
Trautman, Paul A. (See Spoor and Trautman.)
Trautman, Walter G., assignor to The P. A. Geier Company, Cleveland, Ohio. Electric hair-drier. No. 1,259,170; Mar. 12; v. 248; p. 394.
Travelers Insurance Company, The. (See Church, Frank C., assignor.)
Travelight Mfg. Co. (See Schisgall, Theodore, assignor.)
Travers, Charles J., Port Washington, Wis. Adjustment for the backs of type-writer chairs. No. 1,263,159; Apr. 16; v. 249; p. 672.
Travers, Charles J., Port Washington, Wis. Adjustment for the backs of type-writer chairs. No. 1,263,162; Apr. 16; v. 249; p. 673.
Travers, Charles J., Port Washington, Wis., assignor to Gilson Manufacturing Co. Spider for chair-seats. No. 1,256,846; Feb. 19; v. 247; p. 583.
Travers, Charles J., Port Washington, Wis., assignor to Gilson Manufacturing Co. Chair-iron. No. 1,263,156; Apr. 16; v. 249; p. 671.
Travers, Charles J., Port Washington, Wis., assignor to Gilson Manufacturing Co. Adjustment for revolving and tilting chairs. No. 1,263,157; Apr. 16; v. 249; p. 671.
Travers, Charles J., Port Washington, Wis., assignor to Gilson Manufacturing Co. Sheet-metal hand-wheel for chair adjustments, &c. No. 1,263,158; Apr. 16; v. 249; p. 672.
Travers, Charles J., Port Washington, Wis., assignor to Gilson Manufacturing Co. Base for revolving chairs, &c. No. 1,263,160; Apr. 16; v. 249; p. 672.
Travers, Charles J., Port Washington, Wis., assignor to Gilson Manufacturing Co. Adjustment for the backs of type-writer chairs. No. 1,263,161; Apr. 16; v. 249; p. 672.
Travers, Charles J., Port Washington, Wis., assignor to Gilson Manufacturing Co. Sheet-metal chair adjustment. No. 1,263,163; Apr. 16; v. 249; p. 673.
Travers, William J., Buffalo, N. Y. Process of metal-plating aluminum. No. 1,256,954; Feb. 19; v. 247; p. 616.
Travis, Clyde E., Fairmont, W. Va. Mail-box. No. 1,256,080; Feb. 12; v. 247; p. 321.
Travis, Don C., assignor to Simmons Company, Kenosha, Wis. Ship-bunk. No. 1,284,821; Nov. 12; v. 256; p. 386.
Travis, Don C., assignor to Simmons Company, Kenosha, Wis. Bed-spring. No. 1,288,297; Dec. 17; v. 257; p. 587.
Travis, Ernest M., Sidney, Iowa. Rear-lighting system. No. 1,278,794; Sept. 10; v. 254; p. 420.
Travis, Homer H., Columbus, Ohio. Headlight. No. 1,270,672; June 25; v. 251; p. 796.
Travis, John M., St. Louis, Mo. Dispensing apparatus. No. 1,287,141; Dec. 10; v. 257; p. 271.
Trayne, John H. (See Bartlett and Trayne.)
Treadgold, George H., Port Huron, Mich. Cuff-link. No. 1,256,745; Feb. 19; v. 247; p. 553.
Treadgold, Manton W., Bandon, Oreg. Shoe-lace fastener. No. 1,279,043; Sept. 17; v. 254; p. 518.
Treanor, James, New York, N. Y. Vehicle spring suspension. No. 1,267,145; May 21; v. 250; p. 690.
Treat, Ellis M. (See Graham, Andrew W., assignor.)
Tredegars Limited. (See Morris, John M., assignor.)
Treece, Wilfred W., New Orleans, La. Display-case. No. 1,261,322; Apr. 2; v. 249; p. 94.
Treese, William, Silverton, Oreg. Blasting-powder. No. 1,265,975; May 14; v. 250; p. 334.
Tregoning, Edgar, Attleboro, Mass. Controlling apparatus for automobile-radiator shutters. No. 1,289,969; Dec. 31; v. 257; p. 1048.
Tregoning, Frank, Seattle, Wash. Boat. No. 1,274,818; Aug. 6; v. 253; p. 136.
Trefileries & Laminoirs du Havre Anciens Etablissements Lazare Weiller, Societe Coöperative de Rugles et la Canalisation Electrique Reunis. (See Roudy, Charles, assignor.)
Treiber, Theodore R., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Table. No. 1,268,181; June 4; v. 251; p. 31.
Treiber, Theodore R., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Metal table. No. 1,268,182; June 4; v. 251; p. 31.
Treiber, Theodore R., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Metallic table. No. 1,268,183; June 4; v. 251; p. 31.
Treiber, William F. (See Jones and Treiber.)
Tremain, Charles. (See Becker, Robert A., assignor.)
Tremaine, Henry B., Westfield, N. J., assignor to The Aeolian Company. Album. No. 1,278,259; Sept. 10; v. 254; p. 278.
Tremblay, Patrick F. (See Curran, William, assignor.)
Tremble, Harry V., Marshfield, Oreg. Trap. No. 1,261,189; Apr. 2; v. 249; p. 56.
Trembley, Ulysse N., Lawrence, Mass. Shuttle. No. 1,267,824; May 28; v. 250; p. 905.
Tremont, Roxie. (See Gravert, Reimer N., assignor.)
Trenam, John J., assignor to Trenam Tractor Company, Milwaukee, Wis. Tractor. No. 1,285,472; Nov. 19; v. 256; p. 590.
Trenam Tractor Company. (See Trenam, John J., assignor.)
Trenaman, Harry C., Hamilton, Ontario, Canada. Composition for waterproofing leather articles. No. 1,269,658; June 18; v. 251; p. 494.
Trenary, Henry F. (See Burrows and Trenary.)
Trenchard, Henry, Jr. (See Richardson, Walter, assignor.)
Trenchard, Henry, Jr., Brooklyn, N. Y. String-closure-affixing machine. No. 1,258,829; Mar. 12; v. 248; p. 295.
Trendel, Jan. (See Niemiec, Joseph, assignor.)
Trenner, Simon, Chicago, Ill. Glare-subduing and light conserving and distributing device for headlights of automobiles, &c. No. 1,274,217; July 30; v. 252; p. 1087.
Trent, Harold E., Murraysville, Pa. Electrical measuring instrument. (Reissue.) No. 14,464; Apr. 23; v. 249; p. 964.
Trent, Harold E., Murraysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dash-pot. No. 1,270,898; July 2; v. 252; p. 41.
Trent, Harold E., Wilkinsburg, Pa. Electrical measuring instrument. No. 1,282,497; Oct. 22; v. 255; p. 748.
Trent, Lamartine C., Los Angeles, Cal. Continuous method of treating cyanid solutions. No. 1,283,363; Oct. 29; v. 255; p. 1011.
Trent, Lamartine C., Los Angeles, Cal. Treating metal-bearing solutions. No. 1,283,364; Oct. 29; v. 255; p. 1012.
Trent, Lamartine C., and S. W. Mudd, Los Angeles, Cal. Organized apparatus for treating cyanid slimes. No. 1,283,365; Oct. 29; v. 255; p. 1012.
Trenton Brass and Machine Co., The. (See Kuntny, Gregor, assignor.)
Trenton Potteries Company. (See Hinsdale, Winfield E., assignor.)
Treo Company. (See Guggenheim, Edgar, assignor.)
Trepto, Herman A. G., Raleigh, N. D. Knife. No. 1,282,322; Oct. 22; v. 255; p. 701.
Trescott, Charles B., Chicago, Ill. Retaining the juices in low-temperature-cooked meats. No. 1,256,955; Feb. 19; v. 247; p. 617.
Trescott, Charles B., Chicago, Ill. Curing meat. No. 1,271,962; July 9; v. 252; p. 371.
Trescott, Charles B., Chicago, Ill. Preparing meats for low-temperature cooking. No. 1,285,845; Nov. 26; v. 256; p. 724.
Tresslar, Guy D., Flint, assignor to General Motors Corporation, Detroit, Mich. Self-lubricating universal joint for motor-vehicle transmission-shafts. No. 1,268,897; June 11; v. 251; p. 252.
Trethewey, William G., Cuckfield, England. Friction-clutch. No. 1,282,147; Oct. 22; v. 255; p. 654.
Treuleben, Fred. (See Lueders, Henry J., assignor.)
Trevor, James E., Hartford, Conn., assignor, by mesne assignments, to United States Envelope Company, Springfield, Mass. Envelop-machine. No. 1,252,968; Jan. 8; v. 246; p. 475.
Trevor, James E., Hartford, Conn., assignor, by mesne assignments, to United States Envelope Company, Springfield, Mass. Envelop-machine. No. 1,252,969; Jan. 8; v. 246; p. 476.
Trew, Arthur S., Portland, Oreg., assignor to Trew Tabulating Machine Company. Mechanical card-distributing machine. No. 1,278,523; Sept. 10; v. 254; p. 347.
Trew, Arthur S., Portland, Oreg. Automatic pneumatic card-assorting machine. No. 1,287,142; Dec. 10; v. 257; p. 271.
Trew Tabulating Machine Company. (See Trew, Arthur S., assignor.)
Triangle Conduit Company. (See Bauer, Charles G., assignor.)

Tribbey, George W., Marshfield, Oreg. Ice-cutter. No. 1,265,976; May 14; v. 250; p. 335.
Tribe, Charles J., Ogden, Utah. Cow-tail holder. No. 1,274,633; Aug. 6; v. 253; p. 84.
Tribe, Herbert, Platteville, Wis. Toilet article. No. 1,261,978; Apr. 9; v. 249; p. 310.
Tribken, Charles W. (See Thompson and Tribken.)
Trice, Jerena E., Wichita, Kans. Sifter. No. 1,260,098; Mar. 19; v. 248; p. 690.
Trice, William L. (See Gildersleeve and Trice.)
Triem, Jakob, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Thread-cutting mechanism. No. 1,255,489; Feb. 5; v. 247; p. 108.
Trier, James M., New York, N. Y. Offset-web cleaner for printing-presses. No. 1,287,524; Dec. 10; v. 257; p. 364.
Trigwell, Alfred J., San Jose, Cal. Tractor. No. 1,267,825; May 28; v. 250; p. 906.
Trigwell, James R., Norbury, England. Head for siphon-bottles and other vessels. No. 1,273,955; July 30; v. 252; p. 1014.
Triipe, Ferdinand J., San Bernardino, Cal. Oil container and register. No. 1,269,022; June 11; v. 251; p. 287.
Trimble, Arthur G., Pittsburgh, Pa. Ornamental pin or badge. No. 1,270,347; June 25; v. 251; p. 708.
Trimby, Charles E. (See Stroeh, Potts, and Trimby.)
Trimlett, William E., Los Angeles, Cal. Door-seat for automobiles. No. 1,254,550; Jan. 22; v. 246; p. 982.
Trimont Manufacturing Company. (See Whitfield, Arthur J., assignor.)
Trinity Court Studios. (See Bowman, Charles A., Jr., assignor.)
Trinkle, Herman W., San Francisco, Cal. Life-line and launching device therefor. No. 1,282,323; Oct. 22; v. 255; p. 701.
Tripke, Paul, Jersey City, N. J. Egg beater and mixer. No. 1,274,634; Aug. 6; v. 253; p. 84.
Tripke, Paul, Jersey City, N. J. Combined egg separator and beater. No. 1,282,148; Oct. 22; v. 255; p. 654.
Triplat, Andro, Cleveland, Ohio. Potato-planter. No. 1,262,142; Apr. 9; v. 249; p. 354.
Tripolitis, Themios, Washington, D. C. Butter-dispensing machine. No. 1,284,493; Nov. 12; v. 256; p. 304.
Tripp, Burrell, trustee. (See Dolan, David J., assignor.)
Tripp, Burton H., Philadelphia, Pa., and H. V. Ramsay, Gloucester City, N. J. Air-feeding device for forges, furnaces, and the like. No. 1,276,836; Aug. 27; v. 253; p. 787.
Tripp, Charles A. (See McMeans and Tripp.)
Tripp, Charles K., Lynn, Mass., assignor to General Electric Company. Mandrel and the like. No. 1,267,146; May 21; v. 250; p. 690.
Tripp, David A., Barberton, Ohio. Leaf-ring. No. 1,285,473; Nov. 19; v. 256; p. 590.
Tripp, George F., Flint, Mich. Refrigerator. No. 1,265,552; May 7; v. 250; p. 185.
Tripp, William F., Greenfield, Mass. Valve-grinding machine. No. 1,256,185; Feb. 12; v. 247; p. 354.
Trippe, Graham, Atlanta, Ga. Game apparatus. No. 1,282,149; Oct. 22; v. 255; p. 655.
Trippe, William, Holstein, Mo. Clamping-tool. No. 1,265,141; May 7; v. 250; p. 75.
Tripple, William D. (See Clausen, Herman, assignor.)
Tripplehorn, George H., Detroit, Mich. Spring suspension for vehicles. No. 1,279,614; Sept. 24; v. 254; p. 697.
Trist, Arthur R., London, England. Governing device for automatically controlling the supply of feed-water to steam-boilers and for like purposes. No. 1,251,843; Jan. 1; v. 246; p. 122.
Trist, Arthur R., London, England. Metallic packing. No. 1,282,498; Oct. 22; v. 255; p. 749.
Tritle, Earl M., Tacoma, Wash. Pot-lid lifter. No. 1,258,503; Mar. 5; v. 248; p. 161.
Tritle, John F., Schenectady, N. Y., assignor to General Electric Company. Car-lighting system. No. 1,262,411; Apr. 9; v. 249; p. 430.
Tritle, John F., Schenectady, N. Y., assignor to General Electric Company. Controller. No. 1,281,100; Oct. 8; v. 255; p. 297.
Triumph Electric Company, The. (See Lebovici, Justin, assignor.)
Triumph Manufacturing Company, The. (See Pinkney, Bryan D., assignor.)
Trix, John J. B., Detroit, Mich. Injector. No. 1,260,834; Mar. 26; v. 248; p. 936.
Troast, William F., assignor of one-half to F. B. Trout, Lancaster, Pa. Vehicle-wheel tire. No. 1,267,147; May 21; v. 250; p. 690.
Troiano, Louis T., Port Washington, N. Y. Rain-alarm. No. 1,280,116; Sept. 24; v. 254; p. 839.
Trojan, Joseph E., Columbus, Tex. Portable extensible ladder. No. 1,271,391; July 2; v. 252; p. 178.
Troje, Oscar R., Ensley, Ala. Swimming toy. No. 1,258,963; Mar. 12; v. 248; p. 332.
Troll, Frederick J., assignor to The Loadometer Company, Baltimore, Md. Load-indicator for motor-trucks. (Reissue.) No. 14,475; May 21; v. 250; p. 749.
Trolley, Isaac, Poughkeepsie, N. Y., assignor to Moline Plow Company. Harvester-reel support. No. 1,251,939; Jan. 1; v. 246; p. 146.
Tromlitz, Oscar, Indianhead, Md. Surface-gage. No. 1,266,177; May 14; v. 250; p. 391.
Tromm, Morris M., New Point, Ind. Coping-tile for roofs and the like. No. 1,276,288; Aug. 20; v. 253; p. 600.
Trood, Samuel, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Making molded conductors. No. 1,281,716; Oct. 15; v. 255; p. 496.
Trood, Samuel, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Interlock for automobile-starters. No. 1,289,315; Dec. 31; v. 257; p. 887.
Troppman, Charles J., assignor to F. A. Hardy & Company, Chicago, Ill. Aviator's goggles. No. 1,254,090; Jan. 22; v. 246; p. 851.
Troppman, Charles J., assignor to F. A. Hardy & Company, Chicago, Ill. Goggles or eye-protectors. No. 1,261,190; Apr. 2; v. 249; p. 56.
Troppman, Charles J., assignor to F. A. Hardy & Company, Chicago, Ill. Instrument for testing lenses. No. 1,281,717; Oct. 15; v. 255; p. 496.
Trosien, Charles G., Pontiac, Mich. Gear-lock for automobiles. No. 1,280,589; Oct. 1; v. 255; p. 132.
Trosky, Bernhard, Brooklyn, N. Y. Razor-stropper. No. 1,262,412; Apr. 9; v. 249; p. 430.
Trott, Rolland S., Denver, Colo. Gasolene rock-drill. No. 1,286,152; Nov. 26; v. 256; p. 798.
Trott, Rolland S., Detroit, Mich. Spring-lubricating system. No. 1,289,970; Dec. 31; v. 257; p. 1048.
Trotter, Arthur H., Syracuse, N. Y. Sectional hollow metal wheel. No. 1,280,590; Oct. 1; v. 255; p. 132.
Trotter, Cal., Colorado Springs, Colo. Parachute. No. 1,289,579; Dec. 31; v. 257; p. 952.
Trotter, Henry R. (See London and Trotter.)
Trotter, James, Chicago, Ill. Draft-regulating device for locomotives. No. 1,268,300; June 4; v. 251; p. 66.
Trottier, René E., Puteaux, France. Apparatus for sorting or separating solid substances. No. 1,261,323; Apr. 2; v. 249; p. 95.
Troupe, Paul V., Gary, S. D. Rail-tie. No. 1,273,691; July 23; v. 252; p. 902.
Trout, Frank B. (See Troast, William F., assignor.)
Trout, William H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Saw-mount. No. 1,251,844; Jan. 1; v. 246; p. 122.
Trout, William H., Milwaukee, Wis. Steam log-holder for cut-off saws. No. 1,254,946; Jan. 29; v. 246; p. 1129.
Trout, William H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hand-lever set-works. No. 1,278,566; Sept. 10; v. 254; p. 358.
Troutman, Henry P., Sayre, Pa. Wheel and spring-tire. No. 1,259,451; Mar. 12; v. 248; p. 471.
Trowbridge, Emory E., Kansas City, Mo. Pavement and brick for use therein. No. 1,259,933; Mar. 19; v. 248; p. 643.
Trowbridge, Emory E., Kansas City, Mo. Pavement. No. 1,268,184; June 4; v. 251; p. 31.
Trowbridge, William H., Newark, N. J. Hedge-trimmer. No. 1,269,880; June 18; v. 251; p. 557.
Troxel, Harvey H., assignor of one-half to J. J. Kinney, Wooster, Ohio. Supply-indicating device. No. 1,280,903; Oct. 8; v. 255; p. 245.
Troxell, Harry J., Gettysburg, Pa. Changeable exhibitor for cards, pictures, signs, and the like. No. 1,254,746; Jan. 29; v. 246; p. 1069.
Troxler, John F., Greensboro, N. C. Receptacle-cover. No. 1,274,819; Aug. 6; v. 253; p. 136.
Troxler, Leon, New Orleans, La. Cushioned steering-axle. No. 1,287,143; Dec. 10; v. 257; p. 271.
Troy Carriage Sunshade Company, The. (See Dillingham, Frederick A., assignor.)
Troy Laundry Machinery Company. (See Balzer, Fritz, assignor.)
Troy Laundry Machinery Company. (See Bartholomew, William, assignor.)
Troy Laundry Machinery Company. (See Bartholomew and Balzer, assignors.)
Troy Laundry Machinery Company. (See Simon and Balzer, assignors.)
Troy, Steven, and L. Jacobsen, Vancouver, British Columbia, Canada. Roofing-paper-mopping machine. No. 1,281,230; Oct. 8; v. 255; p. 334.
Troy Wagon Works Company, The. (See Geiger, Tracey E., assignor.)
Troy Wagon Works Company, The. (See Hudson, Warren R., assignor.)
Troyanek, John, Ooltewah, Tenn. Lock. No. 1,283,977; Nov. 5; v. 256; p. 142.
Trozzo, Frank. (See Townsley, Emma W., assignor.)
Truax, John, Sycamore, Ohio. Jack. No. 1,289,971; Dec. 31; v. 257; p. 1048.
Truax, Joseph P., Rochester, N. Y. Dispensing apparatus. No. 1,257,425; Feb. 26; v. 247; p. 786.
Truax, William T., assignor to United States Register Company, Battle Creek, Mich. Warm-air-register border. No. 1,256,489; Feb. 12; v. 247; p. 443.
Trube, Herbert L., Mishawaka, Ind., and W. S. Ford, assignors to Ford-Trube Company, Chicago, Ill. Advertising-sign. No. 1,258,830; Mar. 12; v. 248; p. 295.
Truck, Tractor and Manufacturing Company. (See Jacobs and Cramer, assignors.)

Alphabetical list of patentees—Continued.

Trudelle, Philip D., assignor to Toronto Type Foundry Company, Limited, Toronto, Ontario, Canada. Wire-reel. No. 1,254,091; Jan 22; v. 246; p. 851.
True, Charles H., Hammond, Ind., and C. A. W. Brandt, Bayside, assignors to Locomotive Superheater Company, New York, N. Y. Making return-bends. No. 1,255,355; Feb. 5; v. 247; p. 69.
True, Charles H., Hammond, Ind., assignor to Locomotive Superheater Company, New York, N. Y. Making heating or cooling units. No. 1,264,455; Apr. 30; v. 249; p. 1082.
True, Henry W., Arlington, Mass. Lifting-jack. No. 1,279,182; Sept. 17; v. 254; p. 554.
Truell, Calista Z., Lawrence, assignor to Greenwood Chemical Company, Lowell, Mass. Insecticide. No. 1,252,510; Jan. 8; v. 246; p. 343.
Truesdell, George L., Redwood Falls, Minn. Low-tension spark-plug. No. 1,263,005; Apr. 16; v. 249; p. 627.
Truesdell, John P., Providence, R. I. Burner. No. 1,254,293; Jan. 22; v. 246; p. 909.
Truesdell, John P., Tiverton, R. I., assignor of one-half to J. K. Lanning, trustee, Fall River, Mass. Lamp-burner. No. 1,271,103; July 2; v. 252; p. 98.
Truett, Sarah E., Nashville, Tenn. Thread holder and guide. No. 1,285,846; Nov. 26; v. 255; p. 725.
Truffault, Jules M. M., assignor to Societe Anonyme Des Automobiles Et Cycles Peugeot, Paris, France. Shock-absorber. No. 1,253,648; Jan. 15; v. 246; p. 704.
Truitt, Joseph E., and E. Ackerman, Chicago, Ill. Shutter. No. 1,251,593; Jan. 1; v. 246; p. 44.
Truitt, Owen K., Garrett Park, Md. Pinwheel. No. 1,268,644; June 4; v. 251; p. 164.
Trumble, John T., Freeport, Ill. Transmission mechanism for starters. No. 1,256,746; Feb. 19; v. 247; p. 553.
Trumble, Milon J., Los Angeles, Cal., assignor, by mesne assignments, to Simplex Refining Company. Refining petroleums. No. 1,259,171; Mar. 12; v. 248; p. 394.
Trumble, Milon J., Los Angeles, Cal., assignor, by mesne assignments, to Simplex Refining Company. Apparatus for treating petroleum. No. 1,260,598; Mar. 26; v. 248; p. 869.
Trumble, Milon J., Los Angeles, Cal., assignor to Simplex Refining Company. Treating petroleum. No. 1,262,875; Apr. 16; v. 249; p. 590.
Trumble, Milon J., assignor of one-third to F. M. Townsend and one-third to A. J. Gutzler, Los Angeles, Cal. Crude-petroleum and natural-gas separator. No. 1,269,134; June 11; v. 251; p. 318.
Trumble, Milon J., Los Angeles, assignor, by mesne assignments, to Shell Company of California, San Francisco, Cal. Process and apparatus for converting petroleum-oils. No. 1,281,884; Oct. 15; v. 255; p. 543.
Trumbull, Alexander H. (See Both, Trumbull, and Schoenberg.)
Trumbull Electric Manufacturing Co. (See Knudson, Knud, assignor.)
Trumbull Electric Manufacturing Company, The. (See Sutherland, Alexander K., assignor.)
Trump, Edward N., Syracuse, assignor to The Solvay Process Company, Solvay, N. Y. Apparatus for utilizing the heat of liquids. No. 1,258,165; Mar. 5; v. 248; p. 63.
Trundle, George T., assignor to American Multigraph Company, Cleveland, Ohio. Addressing mechanism. No. 1,252,970; Jan. 8; v. 246; p. 476.
Trundle, George T., Jr., assignor to The American Multigraph Company, Cleveland, Ohio. Multiple drilling-machine. No. 1,264,349; Apr. 30; v. 249; p. 1051.
Trundy, Charles P., Boston, Mass. Sound-box for phonographs. No. 1,269,659; June 18; v. 251; p. 494.
Trussed Concrete Steel Company. (See Kahn, Julius, assignor.)
Trussed Concrete Steel Company. (See Kane, Thomas H., assignor.)
Trussell, Clyde B., Omaha, Nebr. Gearing. No. 1,275,106; Aug. 6; v. 253; p. 216.
Trust, Henry. (See Trust, Josephine and H.)
Trust, Josephine and H., Brooklyn, N. Y. Tool-holding means of food-machines. No. 1,255,356; Feb. 5; v. 247; p. 69.
Truyter, Edward C., New York, N. Y. Universal hammer-drill. No. 1,283,601; Nov. 5; v. 256; p. 42.
Try-Me Manufacturing Company, The. (See Millea, Thomas D., assignor.)
Tschirner, Frederick, Newark, N. J. Extracting potassium salts. No. 1,254,450; Jan. 22; v. 246; p. 953.
Tschirner, Frederick, Newark, N. J. Extracting potassium salts. No. 1,254,451; Jan 22; v. 246; p. 953.
Tschudy, Frederick, Fairfield, Ala. Classifying apparatus for use in the distillation of benzol homologues. No. 1,282,324; Oct. 22; v. 255; p. 701.
Tschudy, William, Wilkinsburg, and S. W. Farnsworth, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Voltage-regulating system for vapor-rectifiers. No. 1,257,426; Feb. 26; v. 247; p. 786.
Tschudy, William, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Measuring device. No. 1,274,635; Aug. 6; v. 253; p. 85.
Tsuruoka, Kamenoshin, Honolulu, Hawaii. Bean-cutter. No. 1,252,744; Jan. 8; v. 246; p. 411.
Tsutsui, Harry R., Los Angeles, Cal. Turn-table. No. 1,268,409; June 4; v. 251; p. 97.
Tubbs, Frank M., San Francisco, Cal. Seat. No. 1,267,290; May 21; v. 250; p. 728.
Tubbs, Mace A., Jamison City, Pa. Sign-board. No. 1,260,099; Mar. 19; v. 248; p. 691.
Tubular Woven Fabric Company. (See Kennedy, Joseph A., assignor.)
Tuch, Christian C., Honolulu, Hawaii. Hydraulic air-compressor and motor. No. 1,267,936; May 28; v. 250; p. 937.
Tuck, Bennett J., Richmond, Va., assignor to American Tobacco Co., New York, N. Y. Plunger moistening and cleaning device for packing-machines. No. 1,276,452; Aug. 20; v. 253; p. 646.
Tuckaway Folding Ladder Company. (See Kohler, George H. A., assignor.)
Tucker, Benjamin W. (See Herrmann and Tucker.)
Tucker, Benjamin W., South Orange, assignor to G. E. Herrimann, Morristown, N. J. Barrel. No. 1,274,108; July 30; v. 252; p. 1056.
Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,279,044; Sept. 17; v. 254; p. 519.
Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,279,046; Sept. 17; v. 254; p. 519.
Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,281,101; Oct. 8; v. 255; p. 298.
Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company. Type-writing machine. No. 1,281,103; Oct. 8; v. 255; p. 298.
Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company, Groton, N. Y. Type-writing machine. No. 1,283,366; Oct. 29; v. 255; p. 1012.
Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriting Company, Inc. Type-writing machine. No. 1,283,367; Oct. 29; v. 255; p. 1013.
Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,279,045; Sept. 17; v. 254; p. 519.
Tucker, Benjamin W., South Orange, N. J., and J. A. E. Criswell, Brooklyn, N. Y., assignors to Corona Typewriter Company. Type-writing machine. No. 1,281,102; Oct. 8; v. 255; p. 298.
Tucker, Clarence E., Great Falls, Va., assignor to Tucker Slicing Machine Corporation, Wilmington, Del. Slicing-machine. No. 1,260,479; Mar. 26; v. 248; p. 832.
Tucker, Clarence E., Herndon, Va. Slicing-machine. No. 1,265,833; May 14; v. 250; p. 294.
Tucker, Edwin W., North Prairie, Wis. Automatic brake for trucks. No. 1,273,692; July 23; v. 252; p. 902.
Tucker, Elmer E. (See Urch, David, assignor.)
Tucker, Grover C., Tuscaloosa, assignor to Tucker Implement Company, Inc., Greensboro, Ala. Insect-destroyer. (Reissue.) No. 14,432; Feb. 12; v. 247; p. 449.
Tucker, Grover C., Tuscaloosa, Ala. Propelling attachment for garden implements or the like. No. 1,278,399; Sept. 10; v. 254; p. 314.
Tucker, Hobert M., Portland, Oreg. Can-handling device. No. 1,277,782; Sept. 3; v. 254; p. 126.
Tucker, Holling G., Chicago, Ill. Jack-truck. No. 1,282,988; Oct. 29; v. 255; p. 912.
Tucker Implement Company. (See Tucker, Grover C., assignor.) (Reissue.)
Tucker, John H., Candor, N. Y. Chicken-roost. No. 1,264,456; Apr. 30; v. 249; p. 1082.
Tucker, Leonard M., Seattle, Wash. Manually-propelled vehicle. No. 1,273,693; July 23; v. 252; p. 902.
Tucker, Lucia P. (See Bourcheix, Aimé, assignor.)
Tucker, Margaret R., Birmingham, Ala. Face-stay. No. 1,274,636; Aug. 6; v. 253; p. 85.
Tucker, Percy E., Bremerton, Wash. Apparatus for the generation of steam. No. 1,270,990; July 2; v. 252; p. 68.
Tucker, Samuel L., Woodbury, assignor to The Speed Press Company, Camden, N. J. Printing-press. No. 1,286,153; Nov. 26; v. 256; p. 799.
Tucker Slicing Machine Corporation. (See Tucker, Clarence E., assignor.)
Tucker, Walter H., Flagstaff, Ariz. Lifter for cooking utensils. No. 1,254,551; Jan. 22; v. 246; p. 983.
Tucker, Wilson H., Montclair, N. J., assignor to Lord & Taylor. Cold-storage installation. No. 1,268,301; June 4; v. 251; p. 66.
Tuckerman, Fred, Utica, N. Y. Bin. No. 1,282,325; Oct. 22; v. 255; p. 702.
Tuckfield, George A., Independence, Mo. Calendar-support. No. 1,268,898; June 11; v. 251; p. 252.
Tucson Steam Laundry Co. (See Shelton, John W., assignor.)
Tufenkgian, Philipbus, Boston, Mass. Sad-iron. No. 1,261,070; Apr. 2; v. 249; p. 23.
Tufnell, George. (See Fasey, Galley, and Tufnell.)
Tufte, Emma, Berkeley, Cal. Paint. No. 1,269,980; June 18; v. 251; p. 582.
Tufts, William A. (See Turner and Tufts.)

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Tullar, Chester W., Detroit, Mich. Envelop. No. 1,273,956; July 30; v. 252; p. 1014.
Tuller, Richard G., Maryland, N. Y. Door-securer. No. 1,282,989; Oct. 29; v. 255; p. 913.
Tulley, Henry C., St. Louis, Mo. Fitting for chandeliers. No. 1,280,904; Oct. 8; v. 255; p. 245.
Tulloss, Rees E., Cambridge, Mass. Measuring instrument. No. 1,253,305; Jan. 15; v. 246; p. 604.
Tully, George L., assignor to American Optical Company, Southbridge, Mass. Temple. No. 1,263,718; Apr. 23; v. 249; p. 844.
Tully, George L., and P. H. Herbert, assignors to American Optical Company, Southbridge, Mass. Goggles. No. 1,269,981; June 18; v. 251; p. 582.
Tully, Richard W., Sierra Madre, Cal. Stage apparatus. No. 1,281,718; Oct. 15; v. 255; p. 497.
Tully, Richard W., Sierra Madre, Cal. Stage-setting. No. 1,281,719; Oct. 15; v. 255; p. 497.
Tully, Richard W., Sierra Madre, Cal. Production of scenic effects. No. 1,281,720; Oct. 15; v. 255; p. 497.
Tumblinson, Norman W., Baltimore, Md. Handle attachment for dust-pans. No. 1,257,552; Feb. 26; v. 247; p. 825.
Tumey, Alfred S., Austin, Tex. Combined oil-can and oiler. No. 1,284,822; Nov. 12; v. 256; p. 386.
Tumminello, Vincent, Cefalù, Italy. Cuff-button. No. 1,273,204; July 23; v. 252; p. 773.
Tune, Ernest W., and W. Williams, Oklahoma, Okla. Tie, collar, and button holder. No. 1,288,298; Dec. 17; v. 257; p. 588.
Tune, Thomas J., Cleveland, Ohio, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system with instantaneous disconnect and recall. No. 1,276,997; Aug. 27; v. 253; p. 829.
Tunnell, Raymond W., Philadelphia, Pa. Vegetable glue or adhesive. No. 1,266,354; May 14; v. 250; p. 438.
Tunnell, Raymond W., Philadelphia, Pa. Vegetable glue or adhesive. No. 1,275,799; Aug. 13; v. 253; p. 433.
Tunnell, Raymond W., Philadelphia, Pa. Vegetable glue or adhesive. No. 1,284,495; Nov. 12; v. 256; p. 305.
Tupman, William I. (See La Salle, Robert M., assignor.)
Turanycz, Theodore, Goodeve, Saskatchewan, Canada. Apparatus for stringing wires. No. 1,275,501; Aug. 13; v. 253; p. 349.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Rheostat and operating means therefor. No. 1,251,594; Jan. 1; v. 246; p. 45.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Generator-regulator. No. 1,251,595; Jan. 1; v. 246; p. 45.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electrical system of distribution. No. 1,260,480; Mar. 26; v. 248; p. 832.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electrical system of distribution. No. 1,260,482; Mar. 26; v. 248; p. 833.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electrical system of distribution. No. 1,260,483; Mar. 26; v. 248; p. 833.
Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electrical system of distribution. No. 1,265,000; May 7; v. 250; p. 35.
Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Regulator for electric generators. No. 1,251,707; Jan. 1; v. 246; p. 79.
Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Regulator for electric generators. No. 1,251,708; Jan. 1; v. 246; p. 80.
Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electrical system of regulation and starting. No. 1,252,511; Jan. 8; v. 246; p. 343.
Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electric regulator. No. 1,259,172; Mar. 12; v. 248; p. 394.
Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electrical system of distribution. No. 1,260,481; Mar. 26; v. 248; p. 832.
Turbayne, William A., Buffalo, assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Automatic regulator. No. 1,251,706; Jan. 1; v. 246; p. 79.
Turbayne, William A., and T. R. Du Bois, assignors to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Dynamo-electric machine. No. 1,276,594; Aug. 20; v. 253; p. 685.
Turbett, Charles H., Chicago, Ill. Lock-bolt. No. 1,263,489; Apr. 23; v. 249; p. 784.
Turcek, Joseph, Cleveland, Ohio. Display-stand. No. 1,258,276; Mar. 5; v. 248; p. 95.
Turchin, Henry H., New York, N. Y. Cabinet. No. 1,283,368; Oct. 29; v. 255; p. 1013.
Türk, Heinrich, assignor to The Porcelain Enamel and Manufacturing Company, Baltimore, Md. Door-operating device. No. 1,253,996; Jan. 15; v. 246; p. 803.
Turk, Rudolph L., Memphis, Tenn. Window-shade-supporting means. No. 1,255,953; Feb. 12; v. 247; p. 282.
Turnbull, Andrew, Liverpool, and T. B. Carmichael, Waterloo, near Liverpool, England; said Carmichael assignor to said Turnbull. Tanning medium. No. 1,288,458; Dec. 17; v. 257; p. 625.
Turnbull, John T., assignor of thirty-five one-hundredths to C. E. Wilson, Edmonton, Alberta, Canada. Self-feeding device for furnaces. No. 1,262,876; Apr. 16; v. 249; p. 590.
Turnbull, Lawrence W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Brush-holding device. No. 1,251,845; Jan. 1; v. 246; p. 122.
Turnbull, William. (See Norelius and Turnbull.)
Turnbull, William, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Cal. Tractor. No. 1,258,602; Mar. 5; v. 248; p. 190.
Turnbull, William, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Cal. Tractor-truck mechanism. No. 1,282,327; Oct. 22; v. 255; p. 702.
Turnbull, William, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Cal. Traction-engine frame. No. 1,282,328; Oct. 22; v. 255; p. 703.
Turnbull, William, assignor to Holt Manufacturing Company, Stockton, Cal. Track-link construction. No. 1,258,608; Mar. 5; v. 248; p. 193.
Turnbull, William, assignor to The Holt Manufacturing Company, Stockton, Cal. Endless link track. No. 1,282,326; Oct. 22; v. 255; p. 702.
Turner, Alfred W. (See Luff and Turner.)
Turner, Charles P., Chicago, Ill. Adjustment for reclining-chairs. No. 1,251,709; Jan. 1; v. 246; p. 80.
Turner, Claude A. P., Minneapolis, Minn. Long-span cantaliver-bridge. No. 1,256,081; Feb. 12; v. 247; p. 322.
Turner, Claude A. P., Minneapolis, Minn. Deformed bar. No. 1,288,763; Dec. 24; v. 257; p. 728.
Turner, Edward A., Davenport, Iowa. Thread-holder. No. 1,261,460; Apr. 2; v. 249; p. 132.
Turner, Elbert F., Tulsa, Okla. Protector for vessels. No. 1,277,506; Sept. 3; v. 254; p. 48.
Turner, Eli H., Jefferson, Okla. Kafir-corn header. No. 1,252,631; Jan. 8; v. 246; p. 378.
Turner, Frank J., Walpole, Mass. Glue-extracting process. No. 1,285,474; Nov. 19; v. 256; p. 591.
Turner, Frank M., and J. Dahlstrom, Pittsburgh, Pa. Device for operating car-couplings. No. 1,252,061; Jan. 1; v. 246; p. 183.
Turner, Frank R., Dorchester, Mass. Cross-chain for tires. No. 1,265,403; May 7; v. 250; p. 146.
Turner, Franklin, *et al.* (See Diehm, Lucius N., assignor.)
Turner, George A., Stockton, Cal. Fuel control for internal-combustion engines. No. 1,261,740; Apr. 2; v. 249; p. 210.
Turner, George E., Olympia, Wash. Saw-tool. No. 1,272,153; July 9; v. 252; p. 427.
Turner, Harry C., and W. A. Tufts, Los Angeles, Cal. Tennis-court marker. No. 1,257,768; Feb. 26; v. 247; p. 889.
Turner, Harold H., Chicago, Ill. Motor or engine. No. 1,275,502; Aug. 13; v. 253; p. 349.
Turner, Harold H., Chicago, Ill. Motor or engine. No. 1,275,503; Aug. 13; v. 253; p. 350.
Turner, Henry, Richmond, Va. Caddy for packing tobacco. No. 1,255,954; Feb. 12; v. 247; p. 283.
Turner, Ira B., Philadelphia, Pa. Automobile-signal. No. 1,272,154; July 9; v. 252; p. 427.
Turner, James, and P. P. Crabill, Springfield, Ohio. Bumper for automobiles. No. 1,253,306; Jan. 15; v. 246; p. 604.
Turner, James B., Chicago, Ill. Stucco composition. No. 1,256,847; Feb 19; v. 247; p. 583.
Turner, James J., Pittsburgh, Pa. Railway signaling system. No. 1,265,142; May 7; v. 250; p. 76.
Turner, James T. (See Cahill and Turner.)
Turner, John K., assignor to L. Turner, Portland, Oreg. Concentrator. No. 1,269,760; June 18; v. 251; p. 523.
Turner, Lillie. (See Turner, John K., assignor.)
Turner, Mabelle E., Deposit, N. Y. Hen's nest. No. 1,256,956; Feb. 19; v. 247; p. 617.
Turner, Maurice W., Brookline, Mass. Wearing-apparel. No. 1,281,430; Oct. 15; v. 255; p. 422.
Turner, Nettie V., New Smyrna, Fla. Tatting-hook and attaching means therefor. No. 1,269,660; June 18; v. 251; p. 495.
Turner, Samuel J., Chicago, Ill., assignor to W. S. Ferris, Elkhart, Ind. Cart. No. 1,259,466; Mar. 12; v. 248; p. 476.
Turner & Seymour Mfg. Co., The. (See Hills, Sidney C., assignor.)
Turner Tanning Machinery Company, The. (See Cutler, Lewis F., assignor.)
Turner, Thomas J., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Producing artificial leather. No. 1,269,339; June 11; v. 251; p. 376.
Turner, Walter E., assignor to The Favorite Stove & Range Co., Piqua, Ohio. Automatic oven-heat regulator. No. 1,266,886; May 21; v. 250; p. 615.

Turner, Walter V., Edgewood borough, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed-controlled brake apparatus. No. 1,255,357; Feb. 5; v. 247; p. 70.
Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,255,955; Feb. 12; v. 247; p. 283.
Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed-controlled brake. No. 1,255,956; Feb. 12; v. 247; p. 283.
Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed-controlled brake device. No. 1,255,957; Feb. 12; v. 247; p. 284.
Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake. No. 1,265,001; May 7; v. 250; p. 36.
Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake apparatus. No. 1,278,524; Sept. 10; v. 254; p. 348.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-pneumatic brake. No. 1,251,596; Jan. 1; v. 246; p. 46.
Turner, Walter V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,256,490; Feb. 12; v. 247; p. 443.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-pneumatic brake. No. 1,256,616; Feb. 19; v. 247; p. 516.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake. No. 1,256,617; Feb. 19; v. 247; p. 516.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake device. No. 1,256,618; Feb. 19; v. 247; p. 517.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-control system. No. 1,259,567; Mar. 19; v. 248; p. 537.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train-speed-control device. No. 1,260,484; Mar. 26; v. 248; p. 834.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction-testing device. No. 1,262,143; Apr. 9; v. 249; p. 354.
Turner, Walter V., assignor to The Westinghouse Air Brake Company, Wilkinsburg, Pa. Fluid-pressure brake. No. 1,265,002; May 7; v. 250; p. 36.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,265,003; May 7; v. 250; p. 36.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-cylinder-pressure regulator. No. 1,265,004; May 7; v. 250; p. 37.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car-control equipment. No. 1,265,005; May 7; v. 250; p. 37.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,265,006; May 7; v. 250; p. 37.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined nut-lock and swab-protector. No. 1,265,007; May 7; v. 250; p. 38.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined swab-holder and nut-lock. No. 1,266,729; May 21; v. 250; p. 573.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car control. No. 1,273,104; July 16; v. 252; p. 719.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake apparatus. No. 1,276,998; Aug. 27; v. 253; p. 830.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retaining-valve device. No. 1,276,999; Aug. 27; v. 253; p. 830.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor for door and step controllers. No. 1,277,000; Aug. 27; v. 253; p. 830.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake device. No. 1,277,001; Aug. 27; v. 253; p. 830.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Device for maintaining shoe clearance. No. 1,278,525; Sept. 10; v. 254; p. 348.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,280,332; Oct. 1; v. 255; p. 61.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,280,333; Oct. 1; v. 255; p. 62.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake device. No. 1,280,334; Oct. 1; v. 255; p. 62.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Nut-lock and swab-protector. No. 1,280,335; Oct. 1; v. 255; p. 62.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. No. 1,280,336; Oct. 1; v. 255; p. 62.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. No. 1,281,431; Oct. 15; v. 255; p. 422.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-pipe vent-valve. No. 1,281,432; Oct. 15; v. 255; p. 422.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,281,433; Oct. 15; v. 255; p. 423.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake device. No. 1,281,434; Oct. 15; v. 255; p. 423.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electrofluid-pressure brake. No. 1,281,435; Oct. 15; v. 255; p. 423.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Straight-air emergency-brake. No. 1,281,436; Oct. 15; v. 255; p. 423.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car-control device. No. 1,281,437; Oct. 15; v. 255; p. 423.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed-controlled brake. No. 1,283,978; Nov. 5; v. 256; p. 142.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Regenerative brake device. No. 1,283,979; Nov. 5; v. 256; p. 142.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake. No. 1,283,980; Nov. 5; v. 256; p. 142.
Turner, Walter V., Wilkinsburg, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Electro-pneumatic brake. No. 1,283,981; Nov. 5; v. 256; p. 143.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-pneumatic brake. No. 1,286,841; Dec. 3; v. 257; p. 156.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-fluid-pressure brake. No. 1,286,842; Dec. 3; v. 257; p. 156.
Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure-brake device. No. 1,286,843; Dec. 3; v. 257; p. 156.
Turner, Walter V., Wilkinsburg, and W. M. Cady, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Car-door-operating device. No. 1,255,958; Feb. 12; v. 247; p. 284.
Turner, William, Wenatchee, Wash. Tractor. No. 1,282,329; Oct. 22; v. 255; p. 703.
Turner, William F., Waycross, Ga., Locomotive-bottom-binder yoke. No. 1,289,316; Dec. 31; v. 257; p. 888.
Turner, William J., Providence, R. I. Vent and closure for regulating tanks and the like. No. 1,289,317; Dec. 31; v. 257; p. 888.
Turney, Frederick W., Ballston Lake, N. Y. Newspaper-vending machine. No. 1,257,153; Feb. 19; v. 247; p. 672.
Turney, Harry L., Portland, Oreg. Logging-engine. No. 1,259,173; Mar. 12; v. 248; p. 394.
Turney, John L. (See Lewis and Turney.)
Turney, Paul W., Portland, Oreg. Making and new food product of milk. No. 1,274,218; July 30; v. 252; p. 1088.
Turney, Paul W., Richmond, Va. Making and new food product of milk. No. 1,289,021; Dec. 24; v. 257; p. 789.
Turnstile and Revolving Door Company. (See Rhodes, Alonzo E., assignor.)
Turnwald, Wolfgang, Syracuse, N. Y., assignor to Stumpf Una-Flow Engine Company. Automatic exhaust-valve. No. 1,285,475; Nov. 19; v. 256; p. 591.
Turpin, Jere, San Diego, Cal. Perpetual calendar. No. 1,283,982; Nov. 5; v. 256; p. 143.
Turpin, Nathan B. (See Taylor, James A., assignor.)
Turynowicz, Boleslaw, Boston, Mass. Washhanger. No. 1,278,261; Sept. 10; v. 254; p. 278.
Tussing, Benjamin F., Fruitland, Idaho. Fruit-gathering device. No. 1,276,453; Aug. 20; v. 253; p. 647.

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Tussing, Samuel C., Findlay, Ohio. Machine for topping and harvesting beets. No. 1,282,657; Oct. 22; v. 255; p. 793.
Tuteur, Siegfried F., Sacramento, Cal. Speed-arrester for vehicles. No. 1,265,404; May 7; v. 250; p. 146.
Tuttle, Albert W., and R. C. Childs, Jr., Hutchinson, Kans. Stamp-canceling machine. No. 1,258,831; Mar. 12; v. 248; p. 296.
Tuttle, Daniel M. (See Loyster and Tuttle.)
Tuttle, Daniel M., Canastota, N. Y. Computing device. No. 1,280,591; Oct. 1; v. 255; p. 133.
Tuttle, Daniel M., assignor to S. S. Tuttle, Canastota, N. Y. Accounting means. No. 1,265,008; May 7; v. 250; p. 38.
Tuttle, Edward, and G. W. Keith, Seneca, Mich. Vehicle-trailer-pole hook. No. 1,265,143; May 7; v. 250; p. 76.
Tuttle, Frank. (See Hall and Tuttle.)
Tuttle, Henry A., Taunton, Mass. Clutch mechanism. No 1,266,178; May 14; v. 250; p. 391.
Tuttle, Henry A., assignor to Evans Stamping & Plating Company, Taunton, Mass. Clutch mechanism for reversing-gearing. No. 1,260,599; Mar. 26; v. 248; p. 869.
Tuttle, Orley C., Old Forge, N. Y. Artificial-minnow bait. No. 1,273,425; July 23; v. 252; p. 831.
Tuttle, Stella S. (See Tuttle, Daniel M., assignor.)
Tuttle, Thomas T., Hawley, Pa. Moving-picture film. No. 1,261,979; Apr. 9; v. 249; p. 310.
Tuttle, Walter I., Providence, R. I. Construction for beams. No. 1,261,324; Apr. 2; v. 249; p. 95.
Tuttle, Walter I., Providence, R. I. Wrench. No. 1,281,438; Oct. 15; v. 255; p. 424.
Tuttle, William E., Jr., receiver. (See Florandin and Bennett, assignors.)
Tutwiler, Caswell E., Clay Center, Kans. Dust collector and separator. No. 1,267,715; May 28; v. 250; p. 874.
Tverdahl, Edward A., assignor of one-half to J. F. Davis, Chicago, Ill. Rebound-check shock-absorber. No. 1,275,177; Aug. 6; v. 253; p. 236.
Tveten, Olaus O., Grand Forks, N. D. Revolving harrow. No. 1,253,307; Jan. 15; v. 246; p. 604.
Tweed, Ernest. (See Meyer and Tweed.)
Tweed, Howard P., assignor to B. F. Seymour, Denver, Colo. Aerial apparatus. No. 1,264,712; Apr. 30; v. 249; p. 1152.
Tweedie, Charles, Jefferson City, Mo. Boot-top. No. 1,265,280; May 7; v. 250; p. 112.
Tweedie, Charles, Jefferson City, Mo. Shoe-tongue. No. 1,265,281; May 7; v. 250; p. 113.
Twentieth Century Brass Works. (See Wangelin, Ernest E., assignor.)
20th Century Machinery Company, The. (See Beutlich, Richard F., assignor.)
20th Century Machinery Company. (See Sperry, Theodore A., assignor.)
Twin Blade Co. (See Appelbaum, Joseph, assignor.)
Twinplex Sales Company. (See Rauch, Charles, assignor.)
Twiss, Douglas F., Sutton Coldfield, assignor to The Dunlop Rubber Company, Limited, Westminster, London, England. Vulcanization of rubber and similar materials. No. 1,271,810; July 9; v. 252; p. 327.
Twitchell, Charles R., Artesia, assignor of one-half to E. A. Miller, Los Angeles, Cal. Traction-wheel. No. 1,270,991; July 2; v. 252; p. 68.
Twitchell, Ralph A., Montreal, Mo. Wood-cutter. No. 1,263,965; Apr. 23; v. 249; p. 913.
Two Rivers Plating & Mfg. Co. (See Mixa, Henry D., assignor.)
Twombly, Willard I., New York, N. Y., assignor, by mesne assignments, to D. S. Dodge, Weatogue, Conn. Flying-machine. No. 1,277,345; Aug. 27; v. 253; p. 921.
Twomley, Melvan L., Chicago, Ill., and G. S. Wright, Anderson, Ind., assignors, by mesne assignments, to Sefton Manufacturing Corporation, Chicago, Ill. Machine for cutting corrugated paper-board. No. 1,281,231; Oct. 8; v. 255; p. 334.
Twyman, Frank, London, England. Apparatus for producing and localizing sound. No. 1,287,595; Dec. 10; v. 257; p. 382.
Twyman, Frank, and A. Green, assignors to Adam Hilger, Limited, London, England. Method and apparatus for finishing prisms or lenses or combinations of the same. No. 1,252,512; Jan. 8; v. 246; p. 343.
Twyman, Frank, and A. Green, assignors to Adam Hilger Limited, London, England. Apparatus for finishing prisms or lenses or combinations of the same. No. 1,253,308; Jan. 15; v. 246; p. 605.
Tyden, Emil, Evanston, Ill. Grease-cup. No. 1,258,723; Mar. 12; v. 248; p. 264.
Tygard, James W., Plainfield, N. J. Balanced reversing rotary engine. No. 1,272,876; July 16; v. 252; p. 658.
Tygart Valley Glass Company. (See Lewis, John A., assignor.)
Tyler, Alva W., assignor to Young & Tyler, Los Angeles, Cal. Ore-concentrator. No. 1,262,603; Apr. 9; v. 249; p. 484.
Tyler, Clarence E., deceased, Newark, N. J.; F. J. Tyler, administratrix, assignor to S. E. T. Valve & Hydrant Co. Roadway-box. No. 1,277,668; Sept. 3; v. 254; p. 94.
Tyler, Claude B., assignor of one-half to A. Cevola, Dallas, Tex. Model-display stand. No. 1,283,369; Oct. 29; v. 255; p. 1013.
Tyler, Fanny J., administratrix. (See Tyler, Clarence E.)
Tyler, Frank, East Highlands, Cal. Paper-holder. No. 1,265,553; May 7; v. 250; p. 185.
Tyler, Thaddeus F., Bradford, Mass. Hose-clamp. No. 1,262,413; Apr. 9; v. 249; p. 430.
Tyler, William J., Westmont, N. J. Combined pipe-union and check-valve. No. 1,266,179; May 14; v. 250; p. 392.
Tyler, Wilson S., assignor of one-half to C. O. Dodder, Keota, Colo. Fabric lining for grain-cars and other vehicles. No. 1,259,320; Mar. 12; v. 248; p. 434.
Tyrrell, Frederick S., Winnetka, Ill. Photoprinting apparatus. No. 1,252,513; Jan. 8; v. 246; p. 343.
Tyson, Frank, Canton, Ohio. Bottle-crate-emptying machine. No. 1,253,748; Jan. 15; v. 246; p. 733.
Tyson, Homer N., Telford, Wash. Poison-bottle stopper. No. 1,264,713; Apr. 30; v. 249; p. 1152.
Tyson, Homer N., Davenport, Wash. Subterranean broadcaster. No. 1,273,694; July 23; v. 252; p. 903.
Tyson, Homer N., Telford, Wash. Surface-broadcaster. No. 1,284,162; Nov. 5; v. 256; p. 191.
U. S. Aviation and Auto Co., The. (See Warner, Harvey J., assignor.)
U. S. Elaterite Products Company. (See Maxwell, Archibald, assignor.)
U. S. Industrial Alcohol Co. (See Backhaus, Arthur A., assignor.)
U. S. Internal Combustion Co. (See Campbell and Billings, assignors.)
U. S. Light & Heat Corporation. (See Bauer, Ernst, assignor.)
U. S. Light & Heat Corporation. (See Bliss, William L., assignor.)
U. S. Light & Heat Corporation. (See Carpenter, Campbell C., assignor.)
U. S. Light & Heat Corporation. (See Du Bois, Thomas R., assignor.)
U. S. Light & Heat Corporation. (See Nelson, Lewis W., assignor.)
U. S. Light & Heat Corporation. (See Roedel, John, assignor.)
U. S. Light & Heat Corporation. (See Turbayne, William A., assignor.)
U. S. Light & Heat Corporation. (See Turbayne and Du Bois, assignors.)
U. S. Light & Heat Corporation. (See Zimmerman, Thomas, assignor.)
U. S. Safety Appliance Company. (See Morrow, Samuel W., assignor.)
U. S. Slicing Machine Company. (See Demuth, Alfred M., assignor.)
U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Cornelis F. M., assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Wilhelmus A., assignor.)
U. S. Wall Pocket Manufacturing Company. (See Pfuhl, William, assignor.)
Udell, John H. (See Gordon, Chesley A., assignor.)
Udell, Joseph C., Flint, Mich. Signal for vehicles. No. 1,283,983; Nov. 5; v. 256; p. 143.
Udell, Louis N., Chicago, Ill. Gas-compressor. No. 1,260,100; Mar. 19; v. 248; p. 691.
Uebele, H. M., *et al.* (See Dougherty, Everett M., assignor.)
Uebelmesser, Charles, and W. Wenderhold, New York, N. Y., assignors to Polychromatic Film Corporation. Projector and camera color control. No. 1,278,526; Sept. 10; v. 254; p. 348.
Uebelmesser, Elizabeth M. (See Segel, Michael, assignor.)
Uecke, George H., Minneapolis, Minn. Softening water. No. 1,255,358; Feb. 5; v. 247; p. 70.
Uecke, George H., Minneapolis, Minn. Water-softening apparatus. No. 1,255,359; Feb. 5; v. 247; p. 70.
Ufford, Charles A., Boston, Mass. Adjustable dress-form. No. 1,259,808; Mar. 19; v. 248; p. 605.
Ufford, Charles A., Boston, Mass. Dress-form. No. 1,267,937; May 28; v. 250; p. 938.
Uggla, Wilhelm R., assignor to Svenska Turbinfabriks Aktiebolaget Ljungström, Finspong, Sweden. Means for cooling the collector rings of dynamo-electric machines. No. 1,277,783; Sept. 3; v. 254; p. 126.
Uhan, William J., assignor of one-half to F. Briggs, Caro, Mich. Combination lump-crusher, harrow, and roller. No. 1,278,795; Sept. 10; v. 254; p. 421.
Uhde, Frederick W. (See Hummel and Uhde.)
Uhl, Clement R., Toledo, Ohio. Bar-coupling. No. 1,264,227; Apr. 30; v. 249; p. 1018.
Uhl, Clement R., Toledo, Ohio. Article of furniture. No. 1,264,228; Apr. 30; v. 249; p. 1019.
Uhlen, Traugot C. (See Lyon, John S., assignor.)
Uhlenhaut, Fritz, Jr. (See Sammon, Bernard J., assignor.)
Uhlinger, Roy H. (See Brownlee and Uhlinger.)
Uhlmann, Hugo, Buckhart, Mo. Lever. No. 1,256,396; Feb. 12; v. 247; p. 417.
Uhrig, Frederick P., and C. C. Strange, Galesburg, Ill. Washing-machine gearing. No. 1,262,414; Apr. 9; v. 249; p. 430.

Uiting, Henry, Carlyle, Saskatchewan, Canada. Automatic grain-pickler. No. 1,279,791; Sept. 24; v. 254; p. 748.
Ulanitzki, Antonine. (See Sachar, John, assignor.)
Ulanytzky, Antonine, Cohoes, N. Y. Torpedo guard and catcher. No. 1,257,154; Feb. 19; v. 247; p. 673.
Ulberg, John A., Mott, N. D. Rotary engine. No. 1,288,764; Dec. 24; v. 257; p. 728.
Ulbrecht, Robert, Chicago, Ill. Apparatus for removing excrementa, &c., from dairy-barns. No. 1,274,219; July 30; v. 252; p. 1088.
Ulch, James J., Des Moines, Iowa. Automobile-signal. No. 1,251,940; Jan. 1; v. 246; p. 147.
Ulderup, Johannes P., New York, N. Y. Actuating and reversing mechanism for pumps. No. 1,275,800; Aug. 13; v. 253; p. 433.
Ulevog, Torval N., Earl Grey, Saskatchewan, Canada. Plow-lift. No. 1 279,792; Sept. 24; v. 254; p. 749.
Ulferts, Behrend, Lakefield, Minn. Lubricating mechanism for crank-pins. No. 1,288,765; Dec. 24; v. 257; p. 728.
Ulleland, Nels, Kent, Wash. Quick-acting hose-coupling. No. 1,253,309; Jan. 15; v. 246; p. 605.
Ullrich Propeller Company. (See Ullrich, William F., assignor.)
Ullrich, William F., Warren, Pa., assignor to Ullrich Propeller Company, Wilmington, Del. Propelling mechanism for boats. No. 1,283,984; Nov. 5; v. 256; p. 143.
Ulman, Robert L., Baltimore county, Md. Producing sugar. No. 1,259,568; Mar. 19; v. 248; p. 537.
Ulmann, Carl J., New York, N. Y. Package of yarn and the like. No. 1,258,380; Mar. 5; v. 248; p. 124.
Ulp, Alfred R., Richmond, Va. Folding table. No. 1,270,568; June 25; v. 251; p. 769.
Ulrey, Frank H., Chicago, Ill. Shoe-lace fastener. No. 1,274,220; July 30; v. 252; p. 1088.
Ulrich, Charles B., Houghton, Mich., assignor to Art Metal Construction Company, Jamestown, N. Y. Metallic shelving. No. 1,261,654; Apr. 2; v. 249; p. 188.
Ulrich, George H., Ladysmith, Wis. Cutter for second-growth saplings and the like. No. 1,269,881; June 18; v. 251; p. 558.
Ulrich, Horace W., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Telephone system. No. 1,284,823; Nov. 12; v. 256; p. 386.
Ulrich, Paul D., assignor of one-half to A. T. Heilman, Hershey, Pa. Photograph-washer. No. 1,276,289; Aug. 20; v. 253; p. 600.
Ulrich, William C., assignor of one-half to P. J. Lavalle, St. Paul, Minn. Insulation-repairing device. No. 1,269,514; June 11; v. 251; p. 422.
Ulvestad, Albert J. (See Snavely and Ulvestad.)
Umberger, John R. (See Gardner, George W., assignor.)
Umberto, Umbertino, Ottawa, Ill. Motor-cycle course-indicator. No. 1,268,645; June 4; v. 251; p. 164.
Umhofer, Joseph. (See Kramer, Umhofer, Eral, and Wildberger.)
Umstead, George, *et al.* (See Wilsdorf, Elmer L., assignor.)
Underhill, Charles R., New Haven, Conn. Power-transmission mechanism. No. 1,287,801; Dec. 17; v. 257; p. 466.
Underhill, George H., Boston, Mass. Phonograph. No. 1,265,009; May 7; v. 250; p. 38.
Underhill, Walter A., and C. C. Avery, assignors to The Eagle Wagon Works, Auburn, N. Y. Steering mechanism for wagon-trains. No. 1,274,109; July 30; v. 252; p. 1056.
Underwood Computing Machine Company. (See Barnard, Walter E., assignor.)
Underwood Computing Machine Company. (See Carlin, Samuel E., assignor.)
Underwood Computing Machine Company. (See Corell, Clifton B., assignor.)
Underwood Computing Machine Company. (See Degener, Gustave O., assignor.)
Underwood Computing Machine Company. (See Eachel, Emerson C., assignor.)
Underwood Computing Machine Company. (See Griffith, Emmit G., assignor.)
Underwood Computing Machine Company. (See Gumprecht, William L., assignor.)
Underwood Computing Machine Company. (See Hanson, Hans, assignor.)
Underwood Computing Machine Company. (See Hart, Frederick A., assignor.)
Underwood Computing Machine Company. (See Hoyt, Richard F., assignor.)
Underwood Computing Machine Company. (See Johnson, Arthur A., assignor.)
Underwood Computing Machine Company. (See Kidder, Wellington H., assignor.)
Underwood Computing Machine Company. (See Main, Fred F., assignor.)
Underwood Computing Machine Company. (See Marshall, Holmes, assignor.)
Underwood Computing Machine Company. (See Minton, Ogden, assignor.)
Underwood Computing Machine Company. (See Olmsted, Osmond W., assignor.)
Underwood Computing Machine Company. (See Pitman, Henry L., assignor.)
Underwood Computing Machine Company. (See Steiger, Andrew W., assignor.)
Underwood Computing Machine Company. (See Stickney, Burnham C., assignor.)
Underwood Computing Machine Company. (See Thomas, Edward, assignor.)
Underwood Computing Machine Company. (See Thornton, John N., assignor.)
Underwood Computing Machine Company. (See Vickers, Harry H., assignor.)
Underwood Computing Machine Company. (See Walsleben, Fred, assignor.)
Underwood Computing Machine Company. (See Whiting, Horatio, assignor.)
Underwood Computing Machine Company. (See Wright, Walter, assignor.)
Underwood, Elihu C., and W. C. Moore, Kansas City, Mo. Condenser for refrigerating apparatus. No. 1,272,730; July 16; v. 252; p. 616.
Underwood, Elliot M. (See Otto, Watson, Anderson, and Underwood.)
Underwood, Fred F., Greenfield, Mass. Threading device for curtain-rods. No. 1,253,749; Jan. 15; v. 246; p. 734.
Underwood, Frederick E., and B. F. Illston, Jamestown, N. Y. Recovery of potassium and sodium compounds, fats, and other valuable ingredients from wool-scouring liquors. No. 1,277,784; Sept. 3; v. 254; p. 126.
Underwood, John L., Smithfield, Va. Head-rest. No. 1,257,427; Feb. 26; v. 247; p. 786.
Underwood, John T. (See Des Jardins, Benjamin M., assignor.)
Underwood, Josiah N., Willard, N. Mex. Vehicle-spring. No. 1,264,457; Apr. 30; v. 249; p. 1083.
Underwood, Thomas J., Kokomo, Ind. Window-shade fixture. No. 1,267,016; May 21; v. 250; p. 653.
Underwood Typewriter Company. (See Ananson, Richard D., assignor.)
Underwood Typewriter Company. (See Burridge, Lee S., assignor.)
Underwood Typewriter Company. (See Campbell, Ruth, assignor.)
Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)
Underwood Typewriter Company. (See Creahan, Michael F., assignor.)
Underwood Typewriter Company. (See Dennis, Adolphus S., assignor.)
Underwood Typewriter Company. (See Fortin, Benjamin P., assignor.)
Underwood Typewriter Company. (See Fengler, Herman V., assignor.)
Underwood Typewriter Company. (See Hart, Frederick A., assignor.)
Underwood Typewriter Co. (See Houseman, Charles, assignor.)
Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)
Underwood Typewriter Company. (See Jones, Roger B., assignor.)
Underwood Typewriter Company. (See K'Burg, Howard E., assignor.)
Underwood Typewriter Company. (See Knurck, John G., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Kurowski and Sokolov, assignors.)
Underwood Typewriter Company. (See Marschel, Christian A., assignor.)
Underwood Typewriter Company. (See Miller, Monroe E., assignor.)
Underwood Typewriter Company. (See Morgan, Frank L., assignor.)
Underwood Typewriter Company. (See Roberts, Lyman R., assignor.)
Underwood Typewriter Company. (See Shields, Curtis W., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.
Underwood Typewriter Company. (See Thomas, Edward, assignor.)
Underwood Typewriter Company. (See Wernery, Lester A., assignor.)
Underwood Typewriter Company. (See Yates, Harry, assignor.)
Underwood, Weeden B., assignor to Wilmot Castle Company, Rochester, N. Y. Sterilizer. No. 1,267,716; May 28; v. 250; p. 874.
Underwood, William A., Worcester, and J. Zimmerman, Auburn, Mass. Calender-roll grinder. No. 1,255,360; Feb. 5; v. 247; p. 71.
Underwood, William A., Worcester, and J. Zimmerman, Auburn, Mass. Calender-roll grinder. No. 1,285,476; Nov. 19; v. 256; p. 591.
Ungar, Gustav A., Hartford, Conn. Differential. No. 1,273,957; July 30; v. 252; p. 1014.
Unger, Hugo, assignor to Lintz & Eckhardt, Berlin, Germany. Hemstitch sewing-machine. No. 1,252,745; Jan. 8; v. 246; p. 411.
Unger, Isaac, Iron Mountain, Mich. Combination table and air-moistener device. No. 1,281,104; Oct. 8; v. 255; p. 298.

Alphabetical list of patentees—Continued.

Unger, Isaac, Iron Mountain, Mich. Merchandise-display rack. No. 1,281,105; Oct. 8; v. 255; p. 299.
Unger, Karl J., Waterloo, Iowa. Driving mechanism. No. 1,283,985; Nov. 5; v. 256; p. 144.
Unger, William, and H. F. Maier, Bucyrus, Ohio. Portable wall-screen. No. 1,280,337; Oct. 1; v. 255; p. 62.
Uni-Form Company, The. (See Ambursen, Nils F., assignor.)
Uni-Form Company, The. (See Church, William L., assignor.)
Union Bag & Paper Company, The. (See Avery, True M., assignor.)
Union City Body Company. (See Adelsperger and Stuck, assignors.)
Union Co. (See Dedichen and Halse, assignors.)
Union Draft Gear Company. (See Cardwell, James R., assignor.)
Union Fibre Company. (See McArthur, Andrew J., assignor.)
Union Fibre Company. (See Toles, Justin K., assignor.)
Union Iron Works of Los Angeles. (See Miller, Robert P., assignor.)
Union Match Company. (See Bennett, Joseph P., assignor.)
Union Railway Equipment Co. (See Hall, William B., assignor.)
Union Railway Equipment Co., The. (See O'Connor, Arthur F., assignor.)
Union Special Machine Company. (See Berger, Joseph, assignor.)
Union Special Machine Company. (See Berger, Joseph, Jr., assignor.)
Union Special Machine Company. (See Chalman, John E., assignor.)
Union Special Machine Company. (See Clark, Nelson D., assignor.)
Union Special Machine Company. (See Farer, Isidor, assignor.)
Union Special Machine Company. (See Heap, Jesse J., assignor.)
Union Special Machine Company. (See Hughes, Robert R., Jr., assignor.)
Union Special Machine Company. (See Kershner, Benjamin V., assignor.)
Union Special Machine Company. (See Lindquist, Gustave F., assignor.)
Union Special Machine Company. (See McNeil, Chester, assignor.)
Union Special Machine Company. (See McNeil, Chester M., assignor.)
Union Special Machine Company. (See Moffatt, James R., assignor.) (Reissue.)
Union Special Machine Company. (See Moffatt and Kelso, assignors.)
Union Special Machine Company. (See Onderdonk, Lansing, assignor.)
Union Special Machine Company. (See Porte, Frederick L., assignor.)
Union Special Machine Company. (See Seymour, Dudley S., assignor.)
Union Special Machine Company. (See Simmons, Albert H., assignor.)
Union Special Machine Company. (See Stengel, Joseph L., assignor.)
Union Special Machine Company. (See Stieg, August H., assignor.)
Union Special Machine Company. (See Tate, Samuel G., assignor.)
Union Special Machine Company. (See Thompson, Reuben B., assignor.)
Union Special Machine Company. (See Tosney, William F., assignor.)
Union Special Machine Company. (See Vine, Ralph A., assignor.)
Union Special Machine Company. (See Willis, Harry L., assignor.)
Union Special Machine Company. (See Woodward, Russel G., assignor.)
Union Switch & Signal Company. (See Anderson, Charles T., assignor.)
Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
Union Switch & Signal Company, The. (See Dunham, Charles W., assignor.) (Reissue.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Gilson and Nicholson, assignors.)
Union Switch & Signal Company, The. (See Griffin, Henry W., assignor.)
Union Switch & Signal Company, The. (See Harrington, Clinton O., assignor.)
Union Switch & Signal Company, The. (See Holliday, John S., assignor.)
Union Switch & Signal Company. (See Jacobs, Harry M., assignor.)
Union Switch and Signal Company, The. (See Lewis, Lloyd V., assignor.) (Reissue.)
Union Switch & Signal Company, The. (See Loomis, Harold S., assignor.)
Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
Union Switch & Signal Company, The. (See Peter, Bernard H., assignor.)
Union Switch & Signal Company, The. (See Saunders, John E., assignor.)
Union Steam Pump Company. (See Smith, Karl D., assignor.)
Union Switch & Signal Company, The. (See Talbert, William W., assignor.)
Union Switch & Signal Company, The. (See Vanatta, Frank T., asignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Swith & Signal Company, The. (See Willson, Thomas G., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
Union Switch & Signal Company, The. (See Zierdt, Conrad H., assignor.)
Union Wire Mattress Company. (See Powers, George G., assignor.)
Union Wrapping Machine Company, The. (See Streich, Frank, assignor.)
Unit Signal Co. (See Rohrdantz, Henry, assignor.)
Unit System of Heating & Manufacturing Company. (See Obenhaus, Francis W., assignor.)
United Air Spring Company of Arizona. (See Seibel, Henry, assignor.)
United Brass Manufacturing Company. (See Schulder, Fred, assignor.)
United Broom Company, The. (See Hollensbe, Ira J., assignor.)
United Button Company. (See Cohn and Newton, assignors.)
United Cigarette Machine Co. (See Ewers, Alexander L., assignor.)
United Electric Apparatus Company. (See Ziegler, Alfred A., assignor.)
United Electric Company, The. (See Harrold, Harmon H., assignor.)
United Engineering & Foundry Company. (See Ellis, Frank I., assignor.)
United Engineering & Foundry Company, The. (See Holmes, Thomas E., assignor.)
United Engineering and Foundry Company. (See Jones, Lloyd, assignor.)
United Exhibitors Advertising Corporation. (See Thomas, Frank C., assignor.)
United Filters Corporation. (See Genter, Albert L., assignor.)
United Filters Corporation. (See Salisbury, Orange J., assignor.)
United Gas Improvement Company, The. (See Chrisman, Charles S., assignor.)
United Gas Improvement Company, The. (See Crisfield, James A. P., assignor.)
United Gas Improvement Company, The (See Evans, Owen B., assignor.)
United Gas Improvement Company, The. (See Rusby and Evans, assignors.)
United Lace & Braid Manufacturing Company. (See Gambino, Thomas A., assignor.)
United Limb & Brace Co., The. (See Doty, Hubert A., assignor.)
United Neckwear Manufacturing Company, The. (See Pedersen and McConnell, assignors.)
United Paper Box Company of America. (See Goodrich, David M., assignor.)
United Phonographs Corporation. (See Hansen, Oswald H., assignor.)
United Printing Machinery Company. (See Garner, Vernon, assignor.)
United Printing Machinery Company. (See Glass, William C., assignor.)
United Refrigerators Company. (See Clinton, Thomas J., assignor.)
United Sealing Machine Company. (See Armstrong, Harry Y., assignor.)
United Shirt and Collar Company. (See Pine, James K. P., assignor.)
United Shoe Machinery Company. (See Davenport, Herman A., assignor.)
United Shoe Machinery Corporation. (See Alexander, Alexander M., assignor.)
United Shoe Machinery Corporation. (See Allen and Orr, assignors.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Ashton, Orrell, assignor.)
United Shoe Machinery Corporation. (See Bailey, Fred E., assignor.)
United Shoe Machinery Corporation. (See Barna, Joseph W., assignor.)
United Shoe Machinery Corporation. (See Barnett, Ernest, assignor.)
United Shoe Machinery Corporation. (See Baxter, William C., assignor.)

Alphabetical list of patentees—Continued.

United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Beckman, Frank E., assignor.)
United Shoe Machinery Corporation. (See Beier and Bock, assignors.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Blackwell, Harry T., assignor.)
United Shoe Machinery Corporation. (See Bruner and Neal, assignors.)
United Shoe Machinery Corporation. (See Bond, William A., assignor.)
United Shoe Machinery Corporation. (See Borden, William H., assignor.)
United Shoe Machinery Corporation. (See Bowen, Charles W., assignor.)
United Shoe Machinery Corporation. (See Brice and Booth, assignors.)
United Shoe Machinery Corporation. (See Briggs, Thomas, assignor.)
United Shoe Machinery Corporation. (See Brock, Matthias, assignor.) (Reissue.)
United Shoe Machinery Corporation. (See Brogan, James A., assignor.)
United Shoe Machinery Corporation. (See Brogan, Michael F., assignor.)
United Shoe Machinery Corporation. (See Brothers, Eli, assignor.)
United Shoe Machinery Corporation. (See Brown, Louis M., assignor.)
United Shoe Machinery Corporation. (See Caron, John V., assignor.)
United Shoe Machinery Corporation. (See Casgrain, Louis A., assignor.)
United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
United Shoe Machinery Corporation. (See Chesley, Warren G., assignor.)
United Shoe Machinery Corporation. (See Christy, Frank W., assignor.)
United Shoe Machinery Corporation. (See Clark, George P., assignor.)
United Shoe Machinery Corporation. (See Cosgrove and Erickson, assignors.)
United Shoe Machinery Corporation. (See Corrow, Thomas, assignor.)
United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
United Shoe Machinery Corporation. (See De Minico, Charles, assignor.)
United Shoe Machinery Corporation. (See Derr, Samuel I., assignor.)
United Shoe Machinery Corporation. (See Eaton, Harrison H., assignor.)
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
United Shoe Machinery Corporation. (See Enna, Ernst F. H., assignor.)
United Shoe Machinery Corporation. (See Enslin, Herbert E., assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)
United Shoe Machinery Corporation. (See Ewell, Frank E., assignor.)
United Shoe Machinery Corporation. (See Feist, Frederick J., assignor.)
United Shoe Machinery Corporation. (See Ferguson, George, assignor.)
United Shoe Machinery Corporation. (See Forbes, Albert F., assignor.)
United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
United Shoe Machinery Corporation. (See Fowler, William, assignor.)
United Shoe Machinery Corporation. (See Frye, Daniel M., Jr., assignor.)
United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
United Shoe Machinery Corporation. (See Gillespie, John J., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Goddu, George, assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn and Pratt, assignors.)
United Shoe Machinery Corporation. (See Grush, Elmer B., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Hallam, Thomas J., assignor.)
United Shoe Machinery Corporation. (See Hamm, Carl F., assignor.)
United Shoe Machinery Corporation. (See Hammond, William P., assignor.)
United Shoe Machinery Corporation. (See Harmon, Frank L., assignor.)
United Shoe Machinery Corporation. (See Hart, Fred V., assignor.)
United Shoe Machinery Corporation. (See Henderson, Sylvanus B., assignor.)
United Shoe Machinery Corporation. (See Heys, John J., assignor.)
United Shoe Machinery Corporation. (See Hill, George S., assignor.)
United Shoe Machinery Corporation. (See Holbrook, Frank, assignor.)
United Shoe Machinery Corporation. (See Hubbard, William, assignor.)
United Shoe Machinery Corporation. (See Hulser, John, Jr., assignor.)
United Shoe Machinery Corporation. (See Hurley, William M., assignor.)
United Shoe Machinery Corporation. (See Jacques, George W., assignor.)
United Shoe Machinery Corporation. (See Jerram, Arthur E., assignor.)
United Shoe Machinery Corporation. (See Jerram and Gouldbourn, assignors.)
United Shoe Machinery Corporation. (See Jerram and Keall, assignors.)
United Shoe Machinery Company. (See Johnson, Albert E., assignor.)
United Shoe Machinery Corporation. (See Julian, Gideon, assignor.)
United Shoe Machinery Corporation. (See Keall, Harrington, and Bassett, assignors.)
United Shoe Machinery Corporation. (See Kenway, Herbert W., assignor.)
United Shoe Machinery Corporation. (See Knight, Ralph F., assignor.)
United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
United Shoe Machinery Corporation. (See Knowlton and Scott, assignor.)
United Shoe Machinery Corporation. (See Krippendorf, Paul F. W. C., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See La Rouche, Joseph H., assignor.)
United Shoe Machinery Corporation. (See Lane, Elmer E., assignor.)
United Shoe Machinery Corporation. (See Latham, Albert, assignor.)
United Shoe Machinery Corporation. (See Leverque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See Lisbon, Joseph, assignor.)
United Shoe Machinery Corporation. (See Littlefield, Augustine F., assignor.)
United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Fred L., assignor.)
United Shoe Machinery Corporation. (See Macleod and Brown, assignors.)
United Shoe Machinery Corporation. (See Mayo, Benjamin F., assignor.)
United Shoe Machinery Corporation. (See McFeely, Ronald F., assignor.)
United Shoe Machinery Corporation. (See Meacham, John H., assignor.)
United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)
United Shoe Machinery Corporation. (See Meyer, William C., assignor.)
United Shoe Machinery Corporation. (See Morris, George H., assignor.)
United Shoe Machinery Corporation. (See Negus and Charles, assignors.)
United Shoe Machinery Corporation. (See Parker, Chandler, assignor.)
United Shoe Machinery Corporation. (See Perkins, Charles, assignor.)
United Shoe Machinery Corporation. (See Perry, Frederick H., assignor.)
United Shoe Machinery Corporation. (See Preble, Edwin N., assignor.)
United Shoe Machinery Corporation. (See Prenzel, Adam H., assignor.)
United Shoe Machinery Corporation. (See Prime, Daniel N., assignor.)
United Shoe Machinery Corporation. (See Prindle, Edwin J., assignor.)
United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Richards, Alfred E., assignor.)
United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)

Alphabetical list of patentees—Continued.

United Shoe Machinery Corporation. (See Rollins, Frank, assignor.)
United Shoe Machinery Corporation. (See Rumney, Fred A., assignor.)
United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
United Shoe Machinery Corporation. (See Shaw, Walter, assignor.)
United Shoe Machinery Corporation. (See Shaw and Littlefield, assignors.)
United Shoe Machinery Corporation. (See Sherman, Frederick H., assignor.)
United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
United Shoe Machinery Corporation. (See Smith, Edwin W., assignor.)
United Shoe Machinery Corporation. (See Smith, Willard A., assignor.)
United Shoe Machinery Corporation. (See Stanbon, Harry R., assignor.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
United Shoe Machinery Corporation. (See Triem, Jakob, assignor.)
United Shoe Machinery Corporation. (See Warren, Frank H., assignor.)
United Shoe Machinery Corporation. (See Wentworth, Pearl J., assignor.)
United Shoe Machinery Corporation. (See Wentworth, Samuel J., assignor.)
United Shoe Machinery Corporation. (See White, Melbourne W., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
United Shoe Machinery Corporation. (See Winslow, Sidney W., Jr., assignor.)
United Shoe Machinery Corporation. (See Winter, Henry W., assignor.)
United Shoe Machinery Corporation. (See Young, Ernest, assignor.)
United States Air Compressor Company, The. (See Bacher, Rollin L., assignor.)
United States Air Craft Corporation Inc. (See Bongarts, Benno J., assignor.)
United States Airplane and Engine Company. (See Hickey, George N., assignor.)
United States Alloys Corporation. (See Petinot, Napoleon G., assignor.)
United States Auto Gear Shift Company. (See Laursen, Laurits A., assignor.)
United States Bedding Company, The. (See Fraley and Steines, assignors.)
United States Bolt Lock Company. (See Bakst, Max, assignor.)
United States Carburetor Company. (See Hale, Fred E., assignor.)
United States Cast Iron Pipe and Foundry Company. (See Ladd, James B., assignor.)
United States Cast Iron Pipe & Foundry Company. (See Lemoine, Louis R., assignor.)
United States Cloth Cutting Machine Company. (See Zawistowski and Komow, assignors.)
United States Electric Signal Company. (See Ruddick, John J., assignor.)
United States Ensilage Harvester Company. (See Ronning, Andrean G. and A., assignors.)
United States Envelope Company. (See Froehlich, Joseph, assignor.)
United States Envelope Company. (See Swift, Willard E., assignor.)
United States Envelope Company. (See Trevor, James E., assignor.)
United States Flax Harvesting Co. (See Tombyll and Bottger, assignors.)
United States Glass Company. (See Haley, Reuben, assignor.)
United States Graphite Company, The. (See Adams, Charles W., assignor.)
United States Graphite Company, The. (See Thompson, William G., assignor.)
United States Graphotype Company. (See Nicholas, William, assignor.)
United States Graphotype Company. (See Nicholas and Ackerman, assignors.)
United States Machine Gun Company. (See Wallace, Herbert, assignor.)
United States Metals Refining Company. (See Thum and Mulligan, assignors.)
United States Nickel Company. (See Dhavernas, Joseph, assignor.)
United States Nickel Company. (See Pawel and Rekate, assignors.)
United States Ordnance Company. (See Asbury, Dorsey F., assignor.)
United States Playing Card Company, The. (See McCracken, James D., assignor.)
United States Printing and Lithograph Company, The. (See Achert, William K., assignor.)
United States Register Company. (See Truax, William T., assignor.)
United States Sanitary Manufacturing Company. (See Shaffer, John M., assignor.)
United States Smelting, Refining & Mining Company. (See Cullen, Joseph F., assignor.)
United States Smelting, Refining & Mining Company. (See Kilbourn, William D., assignor.)
United States Spot Ground Corporation. (See Gibson, Albert T., assignor.)
United States Spring Bed Company, The. (See Wheeler, Ernest J., assignor.)
United States Sugar Co., The. (See Nelson, Oscar M., assignor.)
United States Wire Mat Company. (See Cash, Arthur W., assignor.)
United Stokers Corporation. (See Fulton, John S. S., assignor.)
United Switch Company of Delaware. (See Shepherd, Marshall L., assignor.)
United Table-Bed Company. (See Klok, Carl R., assignor.)
United Textile Company, The. (See Roberts, Robert R., assignor.)
United Vending Machine Company, The. (See Larsen, Arnold, assignor.)
Universal Air Brake Company. (See Adams, John A., assignor.)
Universal Airless Auto Tire Company. (See McKinnon, Lemuel, assignor.)
Universal Balance Door Incorporated, The. (See Van Kannel, Theophilus, assignor.)
Universal Bottle Closure Co. (See Herzog, Soma, assignor.)
Universal Camera Company. (See Davis, Ernest W., assignor.)
Universal Coin Lock Company. (See Boswell, George G. F., assignor.)
Universal Concrete Products Company. (See Tamm, Arthur P., assignor.)
Universal Conveying Machinery Corporation. (See Alvey, Benjamin H., assignor.)
Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
Universal Electric Welding Company. (See Lachman, Laurence S., assignor.)
Universal Elevated Railway Company. (See McClure, Reeves, and Boulton, assignors.)
Universal Faucet Company. (See Bergens, William J., assignor.)
Universal Form Clamp Company. (See Newton, George F., assignor.)
Universal Hammer Company. (See Kollock and Martin, assignors.)
Universal High Power Telephone Company. (See Hackett, Paul J., assignor.)
Universal High Power Telephone Company. (See Hoyt, Fred, assignor.)
Universal High Power Telephone Company. (See Williams, Cassius M., assignor.)
Universal Indicator Co. (See Bobroff, Bornett L., assignor.)
Universal Industrial Corporation. (See Swaidmark, Albin P., assignor.) (Reissue.)
Universal Machine Company, The. (See Urschel, Bertis H., assignor.)
Universal Milking Machine Company, The. (See Eklundh and Oden, assignors.)
Universal Milking Machine Company, The. (See Oden and Eklundh, assignors.)
Universal Milking Machine Company. (See Oden and Schmitt, assignors.)
Universal Nut Lock Company. (See Hunt, Charles T., assignor.)
Universal Optical Corporation. (See Beattey, Earle J. R., assignor.)
Universal Oxygen Company. (See Mueller, Rudolph J. J., assignor.)
Universal Patents Company. (See Batchelder, Frank R., assignor.)
Universal Patents Company. (See Jennings, Victor H., assignor.)
Universal Patents Company. (See Randall, Charles F., assignor.)
Universal Patents Company. (See Sisson, Eugene A., assignor.)
Universal Patents Company. (See Spalding, George W., assignor.)
Universal Safety Tread Company. (See Ormes, William R., assignor.)
Universal Stamping Machine Company. (See Jones, William D., assignor.)
Universal Steel Cabinet Company. (See Hatfield, John, assignor.)
Universal Steel Package Company, The. (See Darley, John W., Jr., assignor.)
Universal Tool Company. (See Roseberry, Robert E., assignor.)
Universal Turbine Company, The. (See Anderson, Emil, assignor.)

Alphabetical list of patentees—Continued.

Universal Winding Company. (See Parks, Edward F., assignor.)
Universal Winding Company. (See Parks and Anderson, assignors.)
Universal Winding Company. (See Ryden, Claes, assignor.)
Universal Winding Company. (See Taylor, George N., assignor.)
Universelle Cigaretten-Maschinen-Industrie System Otto Bergsträsser Aktiengesellschaft. (See Mühlbauer, Ernst C., assignor.)
University Garage Company. (See Barsby, Thomas F., assignor.)
Unruh, Albert A., Portland, Oreg. Life-buoy. No. 1,259,809; Mar. 19; v. 248; p. 605.
Unruh, Albert A., Portland, Oreg., assignor of one-third to R. W. Fairfoull, Portland, Oreg., and one-third to M. T. Snyder, New Orleans, La. Antislipping device for shoes. No. 1,274,110; July 30; v. 252; p. 1057.
Unsinger, Philip H., Fremont, Ohio. Tool. No. 1,264,350; Apr. 30; v. 249; p. 1051.
Unsinger, Philip H., Fremont, Ohio. Pickle-spear. No. 1,275,504; Aug. 13; v. 253; p. 350.
Unswirth, Isaac, Cleveland, Ohio. Lining for the throats of fireplaces. No. 1,273,695; July 23; v. 252; p. 903.
Unverzagt, Edwin A., Brighton, Ill. Vehicle-top support. No. 1,282,658; Oct. 22; v. 255; p. 793.
Upchurch, Walter G., Nashville, Tenn. Cotton-picker. No. 1,258,277; Mar. 5; v. 248; p. 95.
Upham, David A. (See Girard, Antoine L., assignor.)
Upham, Preston, Boston, Mass., assignor to International Pavement Company, Hartford, Conn. Press. No. 1,270,569; June 25; v. 251; p. 769.
Upmeyer, Fred C., Kenton, Ohio. Pliers. No. 1,280,592; Oct. 1; v. 255; p. 133.
Uppercu, Inglis M., Newark, N. J. Shock-neutralizer. No. 1,283,602; Nov. 5; v. 256; p. 42.
Upson, Ralph H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Parachute. No. 1,273,553; July 23; v. 252; p. 865.
Upson, Ralph H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Stabilizing appendage for balloons. No. 1,288,299; Dec. 17; v. 257; p. 588.
Uptegraff, Walter D., *et al.*, executors. (See Westinghouse, George.)
Upthegrove, William, Vernon township, Isabella county, Mich. Wagon-rack. No. 1,251,597; Jan. 1; v. 246; p. 46.
Upton, George W., Warren, Ohio. Life-preserver. No. 1,269,982; June 18; v. 251; p. 582.
Upton, George W., Warren, Ohio. Fishing-reel. No. 1,286,193; Nov. 26; v. 256; p. 809.
Upton, George W., Warren, Ohio, and B. F. Flegel, Racine, Wis.; said Flegel assignor to said Upton. Level-winding fishing-reel. No. 1,282,990; Oct. 29; v. 255; p. 913.
Upton, Harvey F., M. E. Fisher, and G. L. Wolf, assignors to said Wolf and H. E. Cruse, Stockton, Cal. Potato-digger. No. 1,279,793; Sept. 24; v. 254; p. 749.
Upton, Henry J. (See Vaughn and Upton.)
Upton, Henry J., Medford, Mass. Fountain-pen. No. 1,272,731; July 16; v. 252; p. 616.
Upton, Henry J., Medford, Mass. Cap and clip for fountain-pens. No. 1,288,766; Dec. 24; v. 257; p. 729.
Upton, John H., Dunsmuir, Cal. Can. No. 1,284,824; Nov. 12; v. 256; p. 387.
Upton Machine Company. (See Stanard, Ora A., assignor.)
Upton, William H., New York, N. Y. Protector for valve-stems of tires. No. 1,260,835; Mar. 26; v. 248; p. 936.
Urban, Charles W. (See Hensley and Urban.)
Urband, Bernhard, New York, N. Y. Traveling-bag. No. 1,277,785; Sept. 3; v. 254; p. 127.
Urbanski, Theodore, Holland, Ohio. Wood-sawing machine. No. 1,266,355; May 14; v. 250; p. 438.
Urbin, Adolf P. C., Jr., Mount Vernon, N. Y. Liquid-fountain. No. 1,268,646; June 4; v. 251; p. 165.
Urch, David, Portsmouth, N. H., assignor of one-half to E. E. Tucker, Eliot, Me. Tire-protector. No. 1,263,295; Apr. 16; v. 249; p 707.
Ure, Paul J., *et al.* (See Karppinen, Karl, assignor.)
Uri, Ludwig B., Seattle, Wash. Time-controlled actuating mechanism. No. 1,261,071; Apr. 2; v. 249; p. 23.
Urquhart, John J., *et al.* (See Hitt, Reed R., assignor.)
Urschel, Bertis H., assignor to The Universal Machine Company, Bowling Green, Ohio. Universal joint. No. 1,258,278; Mar. 5; v. 248; p. 95.
Urschel, Bertis H., assignor to The Universal Machine Company, Bowling Green, Ohio. Universal joint. No. 1,265,834; May 14; v. 250; p. 295.
Urschel, Bertis H., assignor to The Universal Machine Company, Bowling Green, Ohio. Universal joint. No. 1,273,289; July 23; v. 252; p. 794.
Urschel, William E., Valparaiso, Ind., assignor to Chisholm-Scott Company, Cadiz, Ohio. Process for snipping string-beans. No. 1,256,491; Feb. 12; v. 247; p. 443.
Urschel, William E., Valparaiso, Ind., assignor to Chisholm-Scott Company, Cadiz, Ohio. Apparatus for snipping string-beans. No. 1,256,492; Feb. 12; v. 247; p. 444.
Usievich, Solman, San Francisco, Cal., assignor to The Seng Company, Chicago, Ill. Bed-davenport. No. 1,260,485; Mar. 26; v. 248; p. 834.
Usievich, Solman, San Francisco, Cal., assignor to The Seng Company, Chicago, Ill. Bed-davenport. No. 1,260,600; Mar. 26; v. 248; p. 869.
Utah Power & Light Company. (See Bishop, Joseph W., assignor.)
Utley, Thomas, West Derby, Liverpool, England. Ship's light. No. 1,266,356; May 14; v. 250; p. 439.
Utsman, George W., West Durham, assignor to W. D. Hester, Durham, N. C. Machine for making cigarette-paper books. No. 1,265,835; May 14; v. 250; p. 295.
Utter, Richard I. (See Currier, Utter, and Stazak.)
Utter, Richard I., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Meter system for telephone-exchanges. No. 1,281,106; Oct. 8; v. 255; p. 299.
Utter, Richard I., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system. No. 1,283,603; Nov. 5; v. 256; p. 43.
Utterberg, Alfred H. (See Johnson, Swanson, and Utterberg.)
Uttz, William A., Kansas City, Mo. Parachute-equipped aeroplane. No. 1,254,947; Jan. 29; v. 246; p. 1129.
Uttz, William A., Kansas City, Mo. Automatic stoppage and occupant-protecting equipment for automobiles. No. 1,256,848; Feb. 19; v. 247; p. 583.
Uttz, William A., Ardmore, Okla. Display novelty for moving vehicles. No. 1,275,327; Aug. 13; v. 253; p. 302.
Utz, John G., assignor, by mesne assignments, to the Standard Parts Company, Cleveland, Ohio. Apparatus for lubricating. No. 1,251,941; Jan. 1; v. 246; p. 147.
Utz, Julius M. (See Smith, James D., assignor.)
Uyehara, Tomikichi, Los Angeles, Cal. Measuring and dispensing can. No. 1,261,072; Apr. 2; v. 249; p. 23.
V. Weber & Company. (See Freas, Thomas B., assignor.)
V-L-K Oscillating Motor Syndicate. (See Vlk, Adolph, assignor.)
Vaca, Pedro, San Antonio, Tex. Automobile direction-signal. No. 1,272,734; July 16; v. 252; p. 617.
Vaccario, Jerome. (See Ghio, Frederick, assignor.)
Vacuum Churn Corporation, The. (See Heller, Ernst B., assignor.)
Vacuum Dyeing Machine Company. (See Hey, David M., assignor.)
Vacuum Machinery Co. (See McCarthy, Edward F., assignor.)
Vacuum Muffler Corporation, The. (See Andersen, Halvor, assignor.)
Vacuum Oil Company. (See Wright and Atwood, assignors.)
Vagneux, Edmond, Clermont-Ferrand, France. Device for strengthening rail-joints. No. 1,272,877; July 16; v. 252; p. 658.
Väi, Giovanni. (See Väi, James L. and G.)
Väi, James L. and G., Los Angeles, Cal. Liquid-measuring device. No. 1,254,452; Jan. 22; v. 246; p. 954.
Vail, J. T., *et al.* (See Hammond, Leander W., assignor.)
Vail, Joseph M., Bryan, Ohio. Fly-spat. No. 1,254,092; Jan. 22; v. 246; p. 852.
Vail, Robert W., New York, N. Y. Non-sinkable ship. No. 1,274,821; Aug. 6; v. 253; p. 136.
Valbron Manufacturing Company. (See Moore, Charles C., assignor.)
Valcke, William F., Jr., Chicago, Ill. Rheostat. No. 1,252,203; Jan. 1; v. 246; p. 221.
Valcon, Pete, Portland, Oreg. Hand printing-machine. No. 1,254,453; Jan. 22; v. 246; p. 954.
Valdes, Salvador M., San Antonio, Tex., assignor of one-half to F. H. Seiber and E. H. Kuhn. Electric water-heater. No. 1,265,554; May 7; v. 250; p. 185.
Vale, Alfred G., assignor to The American Tobacco Company, New York, N. Y. Tobacco-package. No. 1,251,598; Jan. 1; v. 246; p. 46.
Valencich, Josef, Hastings, Colo. Intermittent operating mechanism for coal-cutters. No. 1,255,669; Feb. 5; v. 247; p. 161.
Valentine, Charles A., Jr., Yonkers, N. Y. Compound resonator. No. 1,282,500; Oct. 22; v. 255; p. 749.
Valentine, Gordon, Chicago, Ill. Waste-paper receptacle. No. 1,285,477; Nov. 19; v. 256; p. 592.
Valentine, Herbert S., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Electric controller. No. 1,266,180; May 14; v. 250; p. 392.
Valenzuela, Alberto, assignor of one-half to R. A. Nobriga, Valparaiso, Chile. Automatic trap for rats, mice, and wild animals. No. 1,274,959; Aug. 6; v. 253; p. 176.
Valeri, Olindo, Genoa, Italy. Metal bag. No. 1,252,204; Jan. 1; v. 246; p. 221.
Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to The Creamery Package Manufacturing Company, Chicago, Ill. Bottle-capping means. No. 1,289,972; Dec. 31; v. 257; p. 1048.
Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to The Creamery Package Manufacturing Company, Chicago, Ill. Bottle filling and capping means. No. 1,289,973; Dec. 31; v. 257; p. 1049.
Valiant, William E., *et al.* (See Melson, John T., assignor.)
Valiquet, Louis P., Elyria, Ohio. Spring-motor for talking-machines. No. 1,286,154; Nov. 26; v. 256; p. 799.
Valiquette, Domat, *et al.* (See Bergeron, Napoléon, assignor.)

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Valjean, Ben, Santa Ana, Cal. Combustion. No. 1,280,596; Oct. 1; v. 255; p. 134.
Vallaro, Juan, Montevideo, Uruguay. Automatic sounding-rod. No. 1,286,155; Nov. 26; v. 256; p. 799.
Vallaro, Juan, Montevideo, Uruguay. Automatic sounding-rod. No. 1,286,156; Nov. 26; v. 256; p. 800.
Vallely, Victor H., St. Louis, Mo. Educational appliance. No. 1,260,601; Mar. 26; v. 248; p. 870.
Vallen, Earl J., Akron, Ohio. Device for shifting curtains or the like. No. 1,263,628; Apr. 23; v. 249; p. 821.
Valley, Emil P., Chicago, Ill. Roller-truck for printing-presses. No. 1,277,790; Sept. 3; v. 254; p. 128.
Vallone, Charles, Buffalo, N. Y., assignor to The Dollar Saving & Trust Company, Youngstown, Ohio. Tube-bending machine. No. 1,261,191; Apr. 2; v. 249; p. 56.
Vallone, Charles, assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Spring-bottom for beds and the like. No. 1,261,655; Apr. 2; v. 249; p. 188.
Valogne, Alfred C. (See Ekblom, Exel, assignor.)
Valvano, Dominic A., Linden, N. J. Check-register. No. 1,263,966; Apr. 23; v. 249; p. 913.
Van Aken, John C., Manlius, N. Y. Toy vehicle. No. 1,273,290; July 23; v. 252; p. 794.
Van Alen, Edmund G., *et al.* (See Johnson, Amos E., assignor.)
Van Allen, Erwin. (See Russell and Van Allen.)
Van Aller, Tycho, Schenectady, N. Y., assignor to General Electric Company. System of electric heating. No. 1,282,330; Oct. 22; v. 255; p. 704.
Van Altena, Edward C. (See Scott and Van Altena.)
Van Ansdall, Joseph C., Kitchel, Ind. Tractor-wheel. No. 1,281,232; Oct. 8; v. 255; p. 335.
Van Assche, Albert E., Dearborn, Mich. Oil-burner. No. 1,268,514; June 4; v. 251; p. 126.
Van Auken, Clarence E., assignor to C. F. Van Auken, Chicago, Ill. Duplex oscillating saw. No. 1,274,820; Aug. 6; v. 253; p. 136.
Van Auken, Clarence E., Chicago, Ill., by mesne assignments, to Coats Machine Tool Company, Inc., New York, N. Y. Duplex saw. No. 1,277,786; Sept. 3; v. 254; p. 127.
Van Auken, Cora F. (See Van Auken, Clarence E., assignor.)
Van Auken, George R., Minneapolis, Minn. Wing-operating mechanism. No. 1,284,825; Nov. 12; v. 256; p. 387.
Van Auken, George R., Minneapolis, Minn. Grease-cup. No. 1,285,478; Nov. 19; v. 256; p. 592.
Van Beek, Joseph, Green Bay, Wis. Beet-harvester. No. 1,288,300; Dec. 17; v. 257; p. 588.
Van Berkel, Cornelis F. M., assignor to U. S. Slicing Machine Company, Laporte, Ind. Grip for slicing-machines. No. 1,272,580; July 16; v. 252; p. 572.
Van Berkel, Cornelis F. M., assignor to U. S. Slicing Machine Company, Laporte, Ind. Holder for slicing-machines. No. 1,274,958; Aug. 6; v. 253; p. 175.
Van Berkel, Cornelis F. M., assignor to U. S. Slicing Machine Company, Laporte, Ind. Grip for slicing-machines. No. 1,276,135; Aug. 20; v. 253; p. 557.
Van Berkel, Cornelis F. M., assignor to U. S. Slicing Machine Company, Laporte, Ind. Clamp for slicing-machines. No. 1,277,787; Sept. 3; v. 254; p. 127.
Van Berkel, Cornelis F. M., assignor to U. S. Slicing Machine Company, Laporte, Ind. Slicing-machine. No. 1,280,111; p. Sept. 24; v. 254; p. 838.
Van Berkel, Cornelis F. M., assignor to U. S. Slicing Machine Company, Laporte, Ind. Slice-collector for slicing-machines. No. 1,286,453; Dec. 3; v. 257; p. 67.
Van Berkel, Wilhelmus A., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Laporte, Ind. Ratchet mechanism. No. 1,261,192; Apr. 2; v. 249; p. 57.
Van Berkel, Wilhelmus A., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Chicago, Ill. Slicing-machine. No. 1,267,607; May 28; v. 250; p. 844.
Van Bezooyen, Andreas M., Sioux City, Iowa. Aeroplane. No. 1,285,479; Nov. 19; v. 256; p. 592.
Van Brabant, Edouard, Maida Vale, London, England. Machine for removing the flax-seed from the flax. No. 1,287,525; Dec. 10; v. 257; p. 364.
Van Briggle, Lilburn H., Indianapolis, Ind. Carbureter. No. 1,273,554; July 23; v. 252; p. 865.
Van Brown, Lewis. (See Mott and Van Brown.)
Van Brunt, John, assignor to Combustion Engineering Corporation, New York, N. Y. Suspended roof. No. 1,281,721; Oct. 15; v. 255; p. 497.
Van Brunt, Tunis, Kansas City, Mo. Bundle-topper. No. 1,269,761; June 18; v. 251; p. 523.
Van Buren, Charles M., Paterson, N. J. Toy sailing-craft. No. 1,270,466; June 25; v. 251; p. 740.
Van Buren, Robert W., White Plains, N. Y. Garment-pressing device. No. 1,275,801; Aug. 13; v. 253; p. 434.
Van Daam, Gerrit, Buffalo, N. Y. Hydrocarbon-burner. No. 1,260,836; Mar. 26; v. 248; p. 936.
Van Daam, Gerrit, Buffalo, N. Y. Carbureter. No. 1,263,967; Apr. 23; v. 249; p. 913.
Van Dam, John E. (See Tindall and Van Dam.)
Van Decar, George W., Troy, N. Y. Neck and wrist wear. No. 1,270,673. June 25; v. 251; p. 797.
Van den Berg, Henry, Montreal, Quebec, Canada. Safety-razor. No. 1,276,712; Aug. 27; v. 253; p. 755.
Van der Klooster, Cornelis M. (See Hanser and Van der Klooster.)
Van der Kolk, John H., and J. Brink, Hamilton, Mich. Washing-machine. No. 1,284,949; Nov. 12; v. 256; p. 419.
Van Derveer, Clarence A., assignor to Heywood Brothers and Wakefield Company, Wakefield, Mass. Car-seat back. No. 1,283,986; Nov. 5; v. 256; p. 144.
Van Dervort, Adrian O., Troy N. Y. Packing-box for piston-rods. No. 1,289,974; Dec. 31; v. 257; p. 1049.
Van Deven, William A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Armature-winding machine. No. 1,289,318; Dec. 31; v. 257; p. 889.
Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Eelectrical Co., Newark, N. J. Armature for ignition-dynamos. No. 1,252,514; Jan. 8; v. 246; p. 344.
Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device. No. 1,255,069; Jan. 29; v. 246; p. 1162.
Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device. No. 1,257,155; Feb. 19; v. 247; p. 673.
Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Terminal for dynamos. No. 1,261,193; Apr. 2; v. 249; p. 57.
Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Driving means for talking-machines. No. 1,262,415; Apr. 9; v. 249; p. 431.
Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Combined generator, lamp, horn, and speedometer. No. 1,265,282; May 7; v. 250; p. 113.
Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Ignition mechanism for internal-combustion engines. No. 1,267,148; May 21; v. 250; p. 691.
Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Automatic winding means for talking-machines. No. 1,275,630; Aug. 13; v. 253; p. 385.
Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Casing for fly-wheel magnetos. No. 1,283,373; Oct. 29; v. 255; p. 1014.
Van Deventer, John H., Yonkers, N. Y. Equipment-index. No. 1,276,454; Aug. 20; v. 253; p. 647.
Van Doorn, Charles E., Rochester, N. Y. Mop-pail. No. 1,253,649; Jan. 15; v. 246; p. 705.
Van Doren, Charles Y., *et al.* (See Pearson, John R., assignor.)
Van Doren, Chester J., Kansas City, Mo. Grading and excavating apparatus. No. 1,261,980; Apr. 9; v. 249; p. 310.
Van Dorn Girder Plate Company. (See Van Dorn, Herbert E., assignor.)
Van Dorn Girder Plate Company. (See Van Dorn, William T., assignor.)
Van Dorn, Herbert E., Chicago, Ill. Draft and buffing gear. No. 1,251,942; Jan. 1; v. 246; p. 147.
Van Dorn, Herbert E., Chicago, Ill. Draw-bar carrier. No. 1,251,943; Jan. 1; v. 246; p. 148.
Van Dorn, Herbert E., Chicago, Ill. Draft-rigging. No. 1,255,361; Feb. 5; v. 247; p. 71.
Van Dorn, Herbert E., Chicago, Ill., assignor to Van Dorn Girder Plate Company. Auxiliary floor for railway-cars. No. 1,279,183; Sept. 17; v. 254; p. 555.
Van Dorn, William T., Chicago, Ill. Car-axle and repairing car-axles. No. 1,272,581; July 16; v. 252; p. 572.
Van Dorn, William T., Chicago, Ill., assignor to Van Dorn Girder Plate Company. Auxiliary floor for railway-cars. No. 1,259,934; Mar. 19; v. 248; p. 643.
Van Dorn, William T., Chicago, Ill., assignor to Van Dorn Girder Plate Company. Auxiliary floor for railway-cars. No. 1,259,935; Mar. 19; v. 248; p. 644.
Van Duyne, Frank. (See Storvick, Ingvald M., assignor.)
Van Dyke, Edgar C., and J. Harrison, Philadelphia, Pa. Label. No. 1,273,105; July 16; v. 252; p. 719.
Van Eenwyk, Frank H. (See Longrod, Peter I., assignor.)
Van Erdewyk, Frank, *et al.* (See Olerich, Henry, assignor.)
Van Geert, Maurice P. J., assignor of one-half to N. Van Heel, Alum Rock, Birmingham, England. Spring suspension for road-vehicles. No. 1,281,233; Oct. 8; v. 255; p. 335.
Van Gilder, Lincoln, Ventnor, N. J. Driving-spindle connection. No. 1,261,325; Apr. 2; v. 249; p. 96.
Van Gofre, Anton, assignor of one-half to C. J. Greene, Kansas City, Mo. Shade-roller. No. 1,255,670; Feb. 5; v. 247; p. 161.
Van Guelpen, Louis J., (See Stuebing and Van Guelpen.)
Van Guelpen, Louis J., Cincinnati, Ohio. Air-cooled tool. No. 1,253,650; Jan. 15; v. 246; p. 705.
Van Gulck, Léopold, Uplands, Swansea, Wales. Furnace for treating zinc. No. 1,280,593; Oct. 1; v. 255; p. 133.

Van Hamersveld, John. (See Hindman and Van Hamersveld.)
Van Hamersveld, John, Avalon, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Locking mechanism for gear-shifts. No. 1,252,205; Jan. 1: v. 246; p. 221.
Van Hasselt, Rolf, The Hague, Netherlands. Electrolysis of alkali chlorids. No. 1,259,683; Mar. 19; v. 248; p. 568.
Van Heel, Nicolas. (See Van Geert, Maurice P. J., assignor.)
Van Heusen, John M. (See Bowen, John E., assignor.)
Van Heusen, John M. (See Morgan, John L., assignor.)
Van Heusen, John M., Boston, Mass. Collar. No. 1,254,294; Jan. 22; v. 246; p. 909.
Van Heusen, John M., Jamaica Plain, Mass. Bound collar. No. 1,267,291; May 21; v. 250; p. 728.
Van Heusen, John M., Jamaica Plain, Mass. Shirt. No. 1,277,788; Sept. 3; v. 254; p. 128.
Van Hise, Lester E., Los Angeles, Cal. Gas-engine. No. 1,284,826; Nov. 12; v. 256; p. 387.
Van Hoevenberg, Henry, Lake Placid Club, N. Y. Photographic apparatus. No. 1,254,013; Jan. 15; v. 246; p. 808.
Van Hoofstadt, Edward, assignor, by mesne assignments, to H. Schreier, New York, N. Y. Package-filling machine. No. 1,271,244; July 2; v. 252; p. 139.
Van Horn, Charles B., Philadelphia, Pa. Vehicle-wheel. No. 1,266,357; May 14; v. 250; p. 439.
Van Horn, Vandiver J., Chicago, Ill. Sewing-machine. No. 1,264,714; Apr. 30; v. 249; p. 1153.
Van Hotegen, John J., St. Louis, Mo. Making type. No. 1,259,175; Mar. 12; v. 248; p. 395.
Van Houten, Frank H. (See Van Houten, John M. and F. H.)
Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-advancing roll. No. 1,253,444; Jan. 15; v. 246; p. 648.
Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-dividing machine. No. 1,283,987; Nov. 5; v. 256; p. 144.
Van Houten, John M. and F. H., assignors to Dutchess Tool Company, Beacon, N. Y. Machine for molding dough and like plastic substances. No. 1,253,443; Jan. 15; v. 246; p. 647.
Van Kannel Revolving Door Company. (See Haviland, Edward C., assignor.)
Van Kannel, Theophilus, Yardville, N. J., assignor to The Universal Balance Door Incorporated, New York, N. Y. Wind and gravity balanced door. No. 1,272,732; July 16; v. 252; p. 616.
Van Kessel, George, Jr., Webster, Wis. Road-grading device. No. 1,287,526; Dec. 10; v. 257; p. 364.
Van Keuren, William L., North Bergen, N. J., assignor to General Electric Company. Leading-in conductor. No. 1,268,647; June 4; v. 251; p. 165.
Van Loenen, William, Los Angeles, Cal. Hermetically-sealed package and making the same. No. 1,281,722; Oct. 15; v. 255; p. 498.
Van Marter, Augustus H., Flemington, N. J. Composition of matter for use as a soldering-flux. No. 1,280,905; Oct. 8; v. 255; p. 245.
Van Meeteren, Harry W., assignor of one-third to A. Edwards and one-third to H. Headley, Birmingham, England. Mode of and means for assembling pneumatic or elastic tires in relation to rims or wheels. No. 1,268,185; June 4; v. 251; p. 32.
Van Meter, Morton, Cadillac, Mich. Planimeter. No. 1,260,486; Mar. 26; v. 248; p. 835.
Van Meter, John N., Dellvale, Kans. Toy for infants. No. 1,279,615; Sept. 24; v. 254; p. 697.
Van Meter, John N., assignor of one-third to F. W. Kidder and one-third to F. S. Hazelton, Norton, Kans. Thermostatic safety-valve. No. 1,268,648; June 4; v. 251; p. 165.
Van Musschenbroek, Jan R., The Hague, Netherlands. Apparatus for drying wet or watery materials. No. 1,281,234; Oct. 8; v. 255; p. 335.
Van Name, Joshua V., Mariners Harbor, N. Y. Rifle-grip. No. 1,277,002; Aug. 27; v. 253; p. 830.
Van Ness, Clair L., Akron, Ohio, and F. A. Krusemark, assignors to K F & C Tire & Rubber Corporation, Roanoke, Va. Cushion-tire. No. 1,277,789; Sept. 3; v. 254; p. 128.
Van Ness, Henry E. (See Bendix and Van Ness.)
Van Ness, Henry E., Elmira, N. Y. Coasting-sprocket. No. 1,270,570; June 25; v. 251; p. 770.
Van Ness, Henry E., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. No. 1,255,362; Feb. 5; v. 247; p. 71.
Van Ness, Henry E., assignor to Eclipse Machine Company, Elmira, N. Y. Engine-starter. No. 1,288,767; Dec. 24; v. 257; p. 729.
Van Nest, Raymond H. (See Tower and Van Nest.)
Van Nortwick, George W., Denver, Colo. Attachment for phonographs. No. 1,266,181; May 14; v. 250; p. 392.
Van Omme, Martemus, Des Moines, Iowa. Corn picking and husking machine. No. 1,272,733; July 16; v. 252; p. 617.
Van Orden, George R. (See Keiper, Frank, assignor.)
Van Orden, George R., Morton, assignor of one-half to F. Keiper, Rochester, N. Y. Insect-catcher. No. 1,258,504; Mar. 5; v. 248; p. 161.
Van Orden, Howard E., East Orange, N. J. Lock mechanism. No. 1,278,527; Sept. 10; v. 254; p. 349.
Van Ornum, Harry G., Piercefield, N. Y. Slice for paper-making machines. No. 1,261,194; Apr. 2; v. 249; p. 57.
Van Raalte, Zealie, New York, N. Y. Veil. No. 1,261,073; Apr. 2; v. 249; p. 23.
Van Ranst, Samuel B., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric fitting. No. 1,261,874; Apr. 9; v. 249; p. 281.
Van Rensselaer, Allen, Tulsa, Okla. Container. No. 1,285,383; Nov. 19; v. 256; p. 567.
Van Rensselaer, Arthur M., New Rochelle, N. Y. Hand-knitter's reel. No. 1,278,528; Sept. 10; v. 254; p. 349.
Van Schoyck, Charles A., Tintah, Minn. Clothes-line holder. No. 1,281,424; Oct. 15; v. 255; p. 420.
Van Sickle, Frank M., Layton, N. J. Wrench. No. 1,265,144; May 7; v. 250; p. 76.
Van Sickle, James A. (See Grimm and Van Sickle.)
Van Sicklen Company, The. (See McIver, William K., assignor.)
Van Sicklen Company, The. (See Prouty, Theodore C., assignor.)
Van Siler, Clay, and B. H. Purcell, assignors to Automatic Machinery Company, Terre Haute, Ind. Leer-door. No. 1,281,426; Oct. 15; v. 255; p. 421.
Van Swaay, Gerardus J., Delft, and H. I. Keus, Hengelo, Netherlands. Device for transmitting fluctuations in the voltage or current of an alternating-current system to electroresponsive or magnetically-operated devices. No. 1,275,631; Aug. 13; v. 253; p. 386.
Van Sweringen, George N., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam-hanger-locking key. No. 1,277,157; Aug. 27; v. 253; p. 874.
Van Syckle, Leonidas H., deceased; J. F. Creamer, executor, Fort Lee, N. J. Tellurian. No. 1,271,104; July 2; v. 252; p. 99.
Van Tassel, George, Cedar Rapids, Iowa. Safety steering mechanism. No. 1,269,136; June 11; v. 251; p. 318.
Van Tine, Lillian F., Philadelphia, Pa. Music-chart. No. 1,258,832; Mar. 12; v. 248; p. 296.
Van Valkenburg, Burt R., Oakland, Cal. Web-guiding device. No. 1,259,321; Mar. 12; v. 248; p. 434.
Van Valkenburg, Burt R., Oakland, assignor to American Photo Player Company, Berkeley, Cal. Control-chest. No. 1,267,719; May 28; v. 250; p. 875.
Van Valkenburg, Burt R., Oakland, Cal. Note-accenting device. No. 1,276,595; Aug. 20; v. 253; p. 686.
Van Valkenburg, Harold A., Oakland, Cal. Damping device for snare drums. No. 1,281,107; Oct. 8; v. 255; p. 299.
Van Valkenburg, Hermon L., assignor to Industrial Controller Company, Milwaukee, Wis. Automatic motor-starter. No. 1,266,642; May 21; v. 250; p. 548.
Van Vechten, Orville R., New Brighton, assignor to National Indicator Company, Long Island City, N. Y. Braiding-machine. No. 1,264,458; Apr. 30; v. 249; p. 1083.
Van Vlaanderen Machine Company. (See Johnson, Charles B., assignor.)
Van Vleck, Charles E. (See Spohrer, Gregory J., assignor.)
Van Vleet, Edward L., Goodland, Kans. Grain-drill cleaner. No. 1,262,877; Apr. 16; v. 249; p. 590.
Van Voorhout, Adriaan W. C., The Hague, Netherlands, Phenol-aldehyde condensation product. No. 1,271,392; July 2; v. 252; p. 179.
Van Voorhout, Adriaan W. C., Delft, Netherlands. Phenol-aldehyde condensation product. No. 1,271,393; July 2; v. 252; p. 179.
Van Vorst, Charles B., and N. E. Fulkerson, Los Angeles, Cal. Mattress and cushion. No. 1,253,750; Jan. 15; v. 246; p. 734.
Van Wie, Ernest D. (See Haggerty and Van Wie.)
Van Wijk, Pieter G., Geldermalsen, Netherlands. Overload switch or cut-out. No. 1,280,594; Oct. 1; v. 255; p. 133.
Van Wijk, Pieter G., Geldermalsen, Netherlands. Overload electric switch or cut-out. No. 1,280,595; Oct. 1; v. 255; p. 134.
Van Winkle, Frank E. (See Cato, Dean A., assignor.)
Van Zante, Teunis W., Pella, Iowa. Shock-binder. No. 1,267,938; May 28; v. 250; p. 938.
Van Zile, Harry L. (See Wade and Van Zile.)
Van Zile Ventilating Corporation. (See Wade and Van Zile, assignors.)
Vanatta, Frank T., Mill Valley, Cal., assignor to The Union Switch & Signal Company, Swissvale, Pa. Signal. No. 1,255,959; Feb. 12; v. 247; p. 285.
Vanatta, Jean K., assignor to Mudge & Company, Chicago, Ill. Power-plant construction for railway motor-cars. No. 1,271,630; July 9; v. 252; p. 278.
Vanatta, Jean K., assignor to Mudge & Company, Chicago, Ill. Motor-car. No. 1,285,847; Nov. 26; v. 256; p. 725.
Vancamp, Orlan S., Kansas City, Mo. Fresh-air bed. No. 1,251,846; Jan. 1; v. 246; p. 122.
Vance, Alpha B. (See Leon and Vance.)

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Vance, Eugene E., Akron, Ohio. Necktie-stretcher. No. 1,282,150; Oct. 22; v. 255; p. 655.
Vance, Herman E. (See Anderson and Fleming, assignors.)
Vance, Newton E., Red Oak, Iowa. Container. No. 1,267,717; May 28; v. 250; p. 875.
Vandeground, George, Cleveland, Ohio. Machine for displaying wall-paper. No. 1,274,637; Aug. 6; v. 253; p. 85.
Vandenheuvel, Louis C. A., Neuilly-sur-Seine, France. Lathe. No. 1,287,144; Dec. 10; v. 257; p. 272.
Vander Horst, Henry. (See Billingham, Milton C. J., assignor.)
Vanderbosch, Edward F., South Bend, Ind. Garment-link. No. 1,263,006; Apr. 16; v. 249; p. 627.
Vanderhoff, Paul W., Topeka, Kans. Selective direction-indicator for vehicles. No. 1,283,370; Oct. 29; v. 255; p. 1013.
Vanderkleed, Charles E. (See Furness, Heidlberg, and Vanderkleed.)
Vanderkleed, Charles E. (See Furness and Vanderkleed.)
Vanderkleed, Charles E., Collingswood, N. J., and J. E. Brewer, Norristown, assignors of one-fifth to W. M. Field, Haverford, one-fifth to H. J. Verner, Bryn Mawr, Pa., and one-fifth to Fritz Heidlberg, Jersey City, N. J. Treating threads of cellulosic material and the threads so produced. No. 1,269,340; June 11; v. 251; p. 376.
Vanderlip, Harry E., Woodston, Kans. Agricultural-implement frame. No. 1,259,174; Mar. 12; v. 248; p. 395.
Vanderlip, Louis C. (See Griffin and Vanderlip.)
Vanderlip, Louis C., Elkhart, Ind. Explosion-engine. No. 1,251,847; Jan. 1; v. 246; p. 122.
Vanderlip, Washington B., New York, N. Y. Collision and torpedo mat and apparatus for manipulating same. No. 1,265,555; May 7; v. 250; p. 185.
Vanderlip, Washington B., San Diego, Cal., assignor of thirty-five one-hundredths to E. Schernikow, New York, N. Y. Ore-concentrator. No. 1,263,968; Apr. 23; v. 249; p. 913.
Vanderslice, George H., assignor to Zenite Metal Company, Indianapolis, Ind. Single-bead molding or welt. No. 1,283,372; Oct. 29; v. 255; p. 1014.
Vanderveld, Anthony. (See Williams and Vanderveld.)
Vanderveld, Anthony, assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Sectional store furniture. No. 1,253,546; Jan. 15; v. 246; p. 675.
Vanderveld, Anthony, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company. Belt-hook-fastening machine. No. 1,254,948; Jan. 29; v. 246; p. 1130.
Vandervell, Charles A. (See Midgley, Albert H., assignor.)
Vandewater, Daniel, Riverton, Wash. Grinding attachment for lathes. No. 1,268,186; June 4; v. 251; p. 32.
Vandoozer, Lee C. (See Pettit, Andrew J., assignor.)
Vanhoof, Louis, Alexandria, La. Automatic mail-box hanger. No. 1,273,696; July 23; v. 252; p. 903.
Vanhorn, Adolphus J., Henry River, N. C. Detent mechanism for stump-pullers. No. 1,283,371; Oct. 29; v. 255; p. 1014.
Vanis, James. (See Kralicek, Charles, assignor.)
Vanmeter, Cyrus L., Macomb, Ill. Means for operating throw-boards. No. 1,269,135; June 11; v. 251; p. 318.
Vanneman, William C., Anderson, Ind. Toy. No. 1,252,515; Jan. 8; v. 246; p. 344.
Vansickler, James A., Toronto, Ontario, Canada. Tool for removing tappet-valves. No. 1,278,400; Sept. 10; v. 254; p. 315.
Vanstrom, Adelina J., Jamestown, N. Y. Milk-bottle case. No. 1,267,292; May 21; v. 250; p. 728.
Vant, Albert B., assignor to American Piano Company, New York, N. Y. Piano. No. 1,283,988; Nov. 5; v. 256; p. 145.
Vapor Car Heating Company. (See Schreiber, Edward A., assignor.)
Vapor-Vacuum Heating Co. (See Hess, Harry H., assignor.)
Varaud, André, assignor to Societe pour l'Exploitation d'Articles de Modes Masculines (S. A. M. M. S. A.), Geneva, Switzerland. Trousers-crease marker. No. 1,273,555; July 23; v. 252; p. 865.
Varble, Harold, El Monte, Cal. Spring-wheel. No. 1,285,480; Nov. 19; v. 256; p. 592.
Varga, Lionel J., Dallas, Tex. Raised-stamp tool. No. 1,257,654; Feb. 26; v. 247; p. 855.
Vargo, Louis J. (See Braund and Vargo.)
Varicle, Roger H. (See Sherburne and Varicle.)
Variety Manufacturing Company. (See Gervais, Wainwright B., assignor.)
Varley Duplex Magnet Company. (See Varley and Macfarren, assignors.)
Varley, Richard, Englewood, N. J. Safety device for engine-starters. No. 1,257,157; Feb. 19; v. 247; p. 674.
Varley, Richard, Englewood, N. J., and W. W. Macfarren, Pittsburgh, Pa., assignors to Varley Duplex Magnet Company, Jersey City, N. J. Power system. No. 1,261,074; Apr. 2; v. 249; p. 23.
Varley, Thomas W., *et al.* (See Nein, William C., assignor.)
Varley, Thomas W., New York, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Current-collecting device. No. 1,267,342; May 21; v. 250; p. 742.
Varley, Thomas W., New York, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,274,822; Aug. 6; v. 253; p. 137.
Varley, Thomas W., and W. C. Nein, New York, N. Y. Automatic train control. No. 1,261,981; Apr. 9; v. 249; p. 311.
Varner, William I., Athens, Ga. Interchangeable tire-tread. No. 1,265,556; May 7; v. 250; p. 186.
Varney, Theodore, Pittsburgh, and H. L. Beach, Edgewood Park, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrically-operated switch. No. 1,251,848; Jan. 1; v. 246; p. 123.
Vasconcellos, Howard M., Spokane, Wash. Piston-packing. No. 1,287,527; Dec. 10; v. 257; p. 365.
Vasdahl, Hans, Swissvale, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Adjustable rail-clamp. No. 1,252,971; Jan. 8; v. 246; p. 476.
Vass, Harry, Summit, N. J. Aeroplane-propeller. No. 1,276,455; Aug. 20; v. 253; p. 647.
Vass, Leslie E., Henderson, Ky. Hair-clipper. No. 1,275,107; Aug. 6; v. 253; p. 216.
Vassar Swiss Underwear Company. (See Rutledge, George A., assignor.)
Vasselli, Anthony. (See Catucci and Vasselli.)
Vasselli, Anthony, Newark, N. J., assignor to Otto Heineman Phonograph Supply Co., Inc. Fastening device. No. 1,276,456; Aug. 20; v. 253; p. 648.
Vaudreuil, John, Milwaukee, Wis. Clothes-hanger support. No. 1,256,849; Feb. 19; v. 247; p. 584.
Vaudreuil, John, Milwaukee, Wis. Dish-washing machine. No. 1,262,717; Apr. 16; v. 249; p. 544.
Vaudreuil, John, Milwaukee, Wis. Continuous-feeding type-writer. No. 1,270,992; July 2; v. 252; p. 69.
Vaughan, Calvin C., Onaway, Mich. Music-leaf turner. No. 1,251,599; Jan. 1; v. 246; p. 46.
Vaughan, Carl A. (See Conama and Vaughan.)
Vaughan, David F., Riverton, N. J. Tamping-tool. No. 1,260,602; Mar. 26; v. 248; p. 870.
Vaughan, David F., Riverton, N. J. Tamping-tool. No. 1,260,603; Mar. 26; v. 248; p. 870.
Vaughan, David F., Riverton, N. J. Switch-heating device. No. 1,273,291; July 23; v. 252; p. 794.
Vaughan, David F., Riverton, N. J. Anticreeper for railway-rails. No. 1,276,457; Aug. 20; v. 253; p. 648.
Vaughan, Fletcher W., Wellington, Tex. Cultivator attachment. No. 1,281,235; Oct. 8; v. 255; p. 335.
Vaughan, Henry H. (See Griffin, Patrick H., assignor.)
Vaughan, Henry H., Montreal, Canada, assignor of one-third to L. Parish, New York, N. Y., and one-third to T. E. Grahn, Cleveland, Ohio. Locomotive feed-water heater. No. 1,270,899; July 2; v. 252; p. 41.
Vaughan, Henry M., Newton, Iowa. Washing-machine. No. 1,253,751; Jan. 15; v. 246; p. 734.
Vaughan, John W., Memphis, Tenn. Mill installation. No. 1,289,319; Dec. 31; v. 257; p. 889.
Vaughan, Levin D., Philadelphia, Pa. Temperature-regulator. No. 1,255,672; Feb. 5; v. 247; p. 162.
Vaughan, Lillian L. (See Thomas and Vaughan.)
Vaughan, Percy E., and S. M. Halstead, San Jose, Cal. Well construction. No. 1,289,320; Dec. 31; v. 257; p. 889.
Vaughan, Thomas M., Battle Creek, Mich., assignor to American Flyer Manufacturing Company. Mechanical toy. No. 1,267,608; May 28; v. 250; p. 844.
Vaughan, Thomas M., assignor to H. S. Winzeler, Bryan, Ohio. Spring-motor for mechanical toys. No. 1,277,791; Sept. 3; v. 254; p. 129.
Vaughn, Arthur, and H. App, Eldred, Pa. Valve. No. 1,261,326; Apr. 2; v. 249; p. 96.
Vaughn, Carl. (See Getz and Vaughn.)
Vaughn, Clyde. (See Hodge, Arthur J., assignor.)
Vaughn, Francis A., Milwaukee, Wis. Coating metals, alloys, or other materials with protective coats of metals or alloys. No. 1,281,108; Oct. 8; v. 255; p. 299.
Vaughn, Francis W., and H. J. Upton, Medford, assignors to Vaughn-Upton Company, Boston, Mass. Cap for fountain-pens. No. 1,255,671; Feb. 5; v. 247; p. 161.
Vaughn, John L., assignor of one-half to C. A. Fey, San Francisco, Cal. Automatic talking-machine. No. 1,274,960; Aug. 6; v. 253; p. 176.
Vaughn, John M., Indian Mound, Tenn. Cultivator. No. 1,267,149; May 21; v. 250; p. 691.
Vaughn, Thomas E., and J. H. Bruninga, assignors to Champion Manufacturing and Sales Company, St. Louis, Mo. Ventilator. No. 1,283,374; Oct. 29; v. 255; p. 1014.
Vaughn-Upton Company. (See Vaughn and Upton, assignors.)
Vautin, Claude, London, England. Generation of steam from the heat contained in slag. No. 1,264,229; Apr. 30; v. 249; p. 1019.
Vawter, Frank M., assignor to Baker-Vawter Company, Benton Harbor, Mich. Guide-card. No. 1,259,322; Mar. 12; v. 248; p. 435.
Vawter, Jamieson S., Los Angeles, assignor to J. W. Scott, Pasadena, Cal. Coupling. No. 1,260,734; Mar. 26; v. 248; p. 909.

Veach, Dewey M., Point, Tex. Broom-holder. No. 1,288,768; Dec. 24; v. 257; p. 729.
Vecchio, Luigi, Albany, N. Y. Collapsible life-boat. No. 1,282,659; Oct. 22; v. 255; p. 793.
Veeder Manufacturing Company, The. (See Matteson, George F., assignor.)
Veeder Manufacturing Company, The. (See Slye, Edward A., assignor.)
Veenstra, Abram, Paterson, N. J. Level. No. 1,270,074; June 18; v. 251; p. 607.
Vegely, Oliver R., Chicago, Ill. Golf-tee. No. 1,251,944; Jan. 1; v. 246; p. 148.
Vehstedt, Harry B., Chicago, Ill. Reinforcing attachment for the rear axles of motor-vehicles. No. 1,255,490; Feb. 5; v. 247; p. 109.
Veinot, Clarence A., Waterville, Me. Loading apparatus. No. 1,278,796; Sept. 10; v. 254; p. 421.
Veit, Julius, Cincinnati, Ohio. Adjustable support for cement-molds. No. 1,280,112; Sept. 24; v. 254; p. 838.
Veitch, Frederick J., New York, N. Y. Aeroplane. No. 1,258,279; Mar. 5; v. 248; p. 96.
Velasco, Cecilio. (See Ruiz, Vicente, assignor.)
Velde, Ernest A., Cedar Rapids, Iowa. Rock-pulverizer. No. 1,253,547; Jan. 15; v. 246; p. 675.
Velde, Ernest A., Cedar Rapids, Iowa. Gardening-frame. No. 1,268,649; June 4; v. 251; p. 166.
Velde, Ernest A., Cedar Rapids, Iowa. Pipe-vise bench. No. 1,278,401; Sept. 10; v. 254; p. 315.
Velie Motors Corporation. (See Szekely, Otto E., assignor.)
Velk, Mike, Boswell, Pa. Bomb-throwing machine. No. 1,268,187; June 4; v. 251; p. 32.
Velo, Angelo and P. Lasaga, Habana, Cuba. Driveway for automobiles. No. 1,271,631; July 9; v. 252; p. 279.
Venable, Samuel J., Chevy Chase, Md. Easel-back. No. 1,261,195; Apr. 2; v. 249; p. 57.
Venable, William M. (See Rawley and Venable.)
Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company. Excavating-bucket. No. 1,258,833; Mar. 12; v. 248; p. 296.
Venango Knitting Mills. (See Brown, James, assignor.)
Venard, Peter I., Denver, Colo. Vacuum-lining for box-cars and the like. No. 1,278,529; Sept. 10; v. 254; p. 349.
Vender, Carl, Holter, Mont. Torpedo-guard. No. 1,279,947; Sept. 24; v. 254; p. 793.
Veness, Emma M., Millers, N. Y. Knitting-needle. No. 1,270,993; July 2; v. 252; p. 69.
Venning, Frank J., Cincinnati, Ohio. Feeding device. No. 1,255,960; Feb. 12; v. 247; p. 285.
Vennum, Clarence L., Chester, assignor of one-third to D. Dummer, Warwood, and one-third to W. B. Hilton, Wheeling, W. Va. Heater for brooders. No. 1,261,461; Apr. 2; v. 249; p. 133.
Venola Company. (See Fries, Francis H., assignor.)
Vensel, Andrew O. (See Hamil, Vensel, and Bergstrom.)
Venske, Herman. (See Wheeler, Frank D., assignor.)
Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Fuel-vaporizer for internal-combustion engines. No. 1,256,186; Feb. 12; v. 247; p. 355.
Vera, Alfonso G. B., assignor of one-half to C. Kemler, Chicago, Ill. Vignetter. No. 1,282,331; Oct. 22; v. 255; p. 704.
Vera Chemical Company. (See Kniffler, Bruno, assignor.)
Verbitsky, Simon, St. Clair, Pa. Safety-top for mine-cars. No. 1,269,983; June 18; v. 251; p. 582.
Verbsky, Charles, Lakewood, Ohio. Speculum. No. 1,260,604; Mar. 26; v. 248; p. 871.
Vercler, Raymond D., Los Angeles, Cal. Jeweler's testing-case. No. 1,263,629; Apr. 23; v. 249; p. 821.
Vercler, Raymond D., assignor of one-half to C. S. Mann, Los Angeles, Cal. Traction-wheel. No. 1,263,630; Apr. 23; v. 249; p. 821.
Verde, Mary T., Boston, Mass. Child's garment. No. 1,255,491; Feb. 5; v. 247; p. 109.
Verein für Chemische Industrie in Mainz. (See Ruppert, Friedrich, assignor.)
Vereinigte Koln-Rottweiler Pulverfabriken, The. (See Matter, Oskar, assignor.)
Vergan, Charles. (See Smith, Mayer, and Vergan.)
Vergara, Bartolomé, Mexico, Mexico. Reinforced concrete construction. No. 1,264,582; Apr. 30; v. 249; p. 1117.
Verhave, Thomas H., The Hague, Netherlands. Manufacture of threads from viscose. No. 1,280,338; Oct. 1 v. 255; p. 63.
Verhey, Hubert C., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Combustion-engine pump mechanism. No. 1,269,882; June 18; v. 251; p. 558.
Vermilya, Owen C., Fremont, Ohio. Locking device for automobiles. No. 1,286,454; Dec. 3; v. 257; p. 67.
Vermont Farm Machine Company, The. (See Bennett, Samuel L., assignor.)
Vermont Farm Machine Company, The. (See Kimball, Perley L., assignor.)
Vernia, Sylvester A., Indianapolis, Ind. Gun. No. 1,269,661; June 18; v. 251; p. 495.
Verner, Harry J., *et al.* (See Vanderkleed and Brewer, assignors.)
Vernier, George E. (See Cullen, Ernest E., assignor.)
Vernon, Arthur, Fresno, Cal. Fruit-drying tray. No. 1,287,145; Dec. 10; v. 257; p. 272.
Vernon, Ellery P. (See Parsons and Heron, assignors.)
Vernon, Lovell P. (See Pulver and Vernon.)
Vernon, Sarah A. (See Fischer and Vernon.)
Vernon, Seward S., Paterson, N. J. Compressed-air-power plant. No. 1,251,849; Jan. 1; v. 246; p. 123.
Verona Chemical Company. (See Walter, Ernest, assignor.)
Verona Tool Works. (See Richardson and Woodings, assignors.)
Verploegh, Christian, Pella, Iowa. Vehicle. No. 1,279,794; Sept. 24; v. 254; p. 749.
Ves Sells, Orie E., Detroit, Mich. Refrigerating apparatus. No. 1,272,735; July 16; v. 252; p. 617.
Vescio, Pasquale and P., Port Chester, N. Y. Shoe. No. 1,273,292; July 23; v. 252; p. 795.
Vescio, Peter. (See Vescio, Pasquale and P.)
Vest, Eugene W., St. Louis, Mo. Gas-burner with gas and air controlling means. No. 1,259,936; Mar. 19; v. 248; p. 644.
Vest, Eugene W., St. Louis, Mo. Stove. No. 1,289,321; Dec. 31; v. 257; p. 889.
Vest, Joseph R. (See Benton and Vest.)
Vest, Thomas L., Parkville, Mo. Ice-tongs. No. 1,253,111; Jan. 8; v. 246; p. 519.
Vesta Accumulator Company. (See Perry, Ward S., assignor.)
Vesta Manufacturing Company. (See Creamer, John R., assignor.)
Veteto, James G., Amity, Ark. Gun. No. 1,267,293; May 21; v. 250; p. 729.
Vetter, Louis J., Providence, R. I. Chain-connector. No. 1,257,158; Feb. 19; v. 247; p. 674.
Vettermann, Otto C., Pingree Grove, Ill. Funnel. No. 1,287,528; Dec. 10; v. 257; p. 365.
Vetterman, Otto C., Pingree Grove, Ill. Self-closing strainer. No. 1,289,322; Dec. 31; v. 257; p. 890.
Veyre, Gabriel A., Casablanca, Morocco. Motor-plow. No. 1,282,991; Oct. 29; v. 255; p. 913.
Veyret, Louis, Paris, France. Back-pedaling change-speed gear applicable to bicycles. No. 1,275,505; Aug. 13; v. 253; p. 350.
Viands, Robert M., Hagerstown, Md. Water-gage valve. No. 1,284,496; Nov. 12; v. 256; p. 305.
Viano, Arthur F. (See Jeffries, William O., assignor.)
Vibber, Wheeler H., assignor of one-half to The Gillette-Vibber Co., New London, Conn. Conduit-cap for electric installation. No. 1,266,887; May 21; v. 250; p. 616.
Vibrocel Company, The. (See Calthrop and Lynde, assignors.)
Vicaire, Marie J. A. V., Paris, France, assignor, by mesne assignments, to Bridgeport Brass Company, Bridgeport, Conn. Multiple-wire-drawing machine. No. 1,281,439; Oct. 15; v. 255; p. 424.
Vicik, Paul, Jr., New York, N. Y. Automatically-operated calendar. No. 1,282,992; Oct. 29; v. 255; p. 914.
Vick, Frank H., New York, N. Y. Dispensing device for receptacles. No. 1,259,057; Mar. 12; v. 248; p. 361.
Vickers, Charles, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Alloy. No. 1,264,459; Apr. 30; v. 249; p. 1083.
Vickers, Harry H., Astoria (Long Island), assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,278,062; Sept. 3; v. 254; p. 199.
Vickers, James S., Alexander City, Ala. Slot-machine. No. 1,261,075; Apr. 2; v. 249; p. 24.
Vickers, James W., London, England. Package for cinematograph-films. No. 1,267,017; May 21; v. 250; p. 653.
Vickers Limited. (See North, Thomas K., assignor.)
Vickers Limited. (See Buckham, George T., assignor.)
Vickers Limited. (See Buckham and Smith, assignors.)
Vickers Limited. (See Dawson and Buckham, assignors.)
Vickers Limited. (See Dawson and Horne, assignors.)
Vickers Limited. (See Elia, Giovanni E., assignor.)
Vickers Limited. (See McKechnie, James, assignor.)
Vickers Limited. (See North, Thomas K., assignor.)
Vickers, Oren J., Gasparilla, Fla. Air-brake coupling. No. 1,260,101; Mar. 19; v. 248; p. 691.
Vickery, Frank A. (See Yoder and Vickery.)
Victel, Olaf A., and M. E. Porter, Tolley, N. D. Automobile-lifting appliance. No. 1,270,571; June 25; v. 251; p. 770.
Victor Electric Corporation. (See Kelly, Edwin W., assignor.)
Victor Electric Corporation. (See Wantz, Julius B., assignor.)
Victor Shoe Machinery Company. (See Erickson, Edward, assignor.)
Victor Shoe Machinery Company. (See Sjostrom, Peter, assignor.)
Victor Talking Machine Company. (See Betts, Farron S., assignor.)
Victor Talking Machine Company. (See Burton, Moyer, and Squibb, assignors.)
Victor Talking Machine Company. (See English, John C., assignor.)
Victor Talking Machine Company. (See Lumiere, Louis, assignor.)

Alphabetical list of patentees—Continued.

Victor Talking Machine Company. (See Moyer, William W., assignor.)
Victor Talking Machine Company. (See Murray, Henry H., assignor.)
Victor Talking Machine Company. (See Murray and La Rue, assignors.)
Victor Talking Machine Company. (See Wickes, Clarence S., assignor.)
Victory Piston Ring Mfg. Co. (See Williams, Nolan S., assignor.)
Vidal, John, Brooklyn, N. Y. Embroidery-frame. No. 1,263,164; Apr. 16; v. 249; p. 673.
Vidal, John, Brooklyn, N. Y. Pencil attachment. No. 1,273,697; July 23; v. 252; p. 903.
Vidal, Raymond, Asnières, France. Preparing blue coloring materials. No. 1,265,836; May 14; v. 250; p. 295.
Vidal, Raymond, Asnières, France. Preparing direct-dyeing black coloring materials. No. 1,265,837; May 14; v. 250; p. 295.
Vidaver, Maxwell and R. W., New York, N. Y. Toy cartridge. No. 1,284,497; Nov. 12; v. 256; p. 305.
Vidaver, Robert W. (See Vidaver, Maxwell and R. W.)
Videgaray, Federico, Mexico, Mexico. Wardrobe-trunk. No. 1,252,516; Jan. 8; v. 246; p. 344.
Videgaray, Federico, Mexico, Mexico. Presser for wardrobe-trunks. No. 1,259,937; Mar. 19; v. 248; p. 644.
Videgaray, Federico, Mexico, Mexico. Garment-supporting form and presser for wardrobe-trunks. No. 1,266,358; May 14; v. 250; p. 439.
Videla, Pedro, Santiago, Chile. Hydraulic motor. No. 1,270,674; June 25; v. 251; p. 797.
Vidette, George A., Chicago, Ill. Shirt-sleeve. No. 1,266,182; May 14; v. 250; p. 393.
Vidler, William, Tooting, London, England. Cinematograph-projector shutter. No. 1,287,146; Dec. 10; v. 257; p. 272.
Vidmar, John, Mount Harris, Colo. Camp-stove. No. 1,284,498; Nov. 12; v. 256; p. 305.
Vidrine, Homer, assignor of one-half to L. L. Broussard, Houston, Tex. Folding crib. No. 1,275,632; Aug. 13; v. 253; p. 386.
Viehweger, August F. W., Hoboken, N. J. Rain-signal. No. 1,283,989; Nov. 5; v. 256; p. 145.
Vient, Benjamin A., assignor to Belco Sanitary Mfg. Co., Buffalo, N. Y. Enameling composition. No. 1,251,710; Jan. 1; v. 246; p. 80.
Vierow, Thomas S., Jersey City, N. J. Bumper for automobiles. No. 1,251,600; Jan. 1; v. 246; p. 47.
Vierus, Robert M., Winona, Minn. Key for connecting machine parts. No. 1,264,230; Apr. 30; v. 249; p. 1019.
Viëtor, Alwin, Wiesbaden, assignor to Georgs-Marien-Bergwerks- & Hütten-Verein A.-G., Osnabrück, Germany. Means for fastening rails to the ties and tie-plates. No. 1,256,397; Feb. 12; v. 247; p. 417.
Vig, Christian. (See Andersen and Vig.)
Vigle, Ollie P. (See McGuirl, John J., assignor.)
Vigneri, Leonard A., Pittsburgh, Pa. Hydraulic-pump unloader. No. 1,267,720; May 28; v. 250; p. 875.
Vigoureux, B. M., *et al.* (See Brown, Marvin H., assignor.)
Vilandrer, Anna L., St. Paul, Minn. Clasp. No. 1,271,963; July 9; v. 252; p. 371.
Vilardo, Joseph, Buffalo, N. Y. Sash-lock. No. 1,287,529; Dec. 10; v. 257; p. 365.
Viles, William R. (See Summers and Viles.)
Villamor, Tirso, Rosario de Santa Fé, Argentina. Automatic measuring roller-machine. No. 1,258,724; Mar. 12; v. 248; p. 264.
Villegas, Manuel, Los Angeles, Cal. Preparing food from corn. No. 1,262,144; Apr. 9; v. 249; p. 355.
Vincell, Lafayett M., Pedro, Ohio. Telephone-pole cross-arm. No. 1,257,769; Feb. 26; v. 247; p. 889.
Vincent-Alward Company, The. (See Vincent, William W., assignor.)
Vincent, Arlie H., Burlington, Kans. Cake-cone holder and dipper. No. 1,282,993; Oct. 29; v. 255; p. 914.
Vincent, Arlie H., Bladen, Nebr. Corn-harvester. No. 1,288,301; Dec. 17; v. 257; p. 588.
Vincent, Charley, and A. Fontaine, New Haven, Conn. Wrench. No. 1,271,811; July 9; v. 252; p. 327.
Vincent, Clarence D., Rogers, Mich. Auxiliary steam-intake for intake-manifolds. No. 1,253,910; Jan. 15; v. 246; p. 779.
Vincent, Edward H., Detroit, Mich. Shiftable steering-wheel. No. 1,269,341; June 11; v. 251; p. 376.
Vincent, Edward H., Detroit, Mich. Shiftable steering-wheel. No. 1,272,581; July 16; v. 252; p. 573.
Vincent, Franz, Bridgeport, Conn. Pressure-gage. No. 1,263,165; Apr. 16; v. 249; p. 673.
Vincent, Harry S., Ridgewood, N. J. Locomotive-boiler superheater. No. 1,266,184; May 14; v. 250; p. 393.
Vincent, Harry S., Ridgewood, N. J. Locomotive-feed-water heater. No. 1,266,185; May 14; v. 250; p. 393.
Vincent, Helier A., London, assignor, by mesne assignments, to M. E. Salerni, Sydenham Hill, London, England. Safety-razor. No. 1,254,093; Jan. 22; v. 246; p. 852.
Vincent, Helier A., assignor, by mesne assignments, to M. E. Salerni, (*nee* Couci), Sydenham Hill, London, England. Device for sharpening safety-razor blades. No. 1,266,183; May 14; v. 250; p. 393.
Vincent, Herbert M., assignor to J. C. Rhodes & Co., New Bedford, Mass. Assorting and delivering mechanism. No. 1,261,462; Apr. 2; v. 249; p. 133.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,257,428; Feb. 26; v. 247; p. 787.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. (Reissue.) No. 14,441; Mar. 5; v. 248; p. 205.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,260,487; Mar. 26; v. 248; p. 835.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,265,145; May 7; v. 250; p. 76.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Piston. No. 1,279,184; Sept. 17; v. 254; p. 555.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Gear-control mechanism. No. 1,282,332; Oct. 22; v. 255; p. 704.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Attachment for motor-vehicles. No. 1,282,501; Oct. 22; v. 255; p. 749.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,288,302; Dec. 17; v. 257; p. 588.
Vincent, Joseph E., Cambridge, Mass. Petal-former. No. 1,267,939; May 28; v. 250; p. 938.
Vincent, Madeline V., Brooklyn, N. Y. Thigh-reducer. No. 1,285,481; Nov. 19; v. 256; p. 592.
Vincent, Perlo, assignor of one-half to H. McDonald, Gloversville, N. Y. Toy gun. No. 1,281,236; Oct. 8; v. 255; p. 336.
Vincent, William J., Cardiff, Wales. Rotary hydraulic apparatus. No. 1,268,515; June 4; v. 251; p. 126.
Vincent, William W., assignor to The Vincent-Alward Company, Kenosha, Wis. Spring construction. No. 1,273,428; July 23; v. 252; p. 831.
Vincenti, Stanislaw, Geneva, Switzerland. Artificial foot. No. 1,289,580; Dec. 31; v. 257; p. 952.
Vine, Ralph A., Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Guide for sewing-machines. No. 1,285,482; Nov. 19; v. 256; p. 593.
Vinette, George H., Detroit, Mich. Cushion-spring. No. 1,281,440; Oct. 15; v. 255; p. 424.
Vineyard, Pleas E., assignor of one-half to R. E. Lee, Windom, Tex. Accelerating foot-throttle for use on automobile-engines. No. 1,274,823; Aug. 6; v. 253; p. 137.
Vinik, Matthias J., New York, N. Y. Moving-picture machine. No. 1,254,552; Jan. 22; v. 246; p. 983.
Vining, Albert E., Springfield, Mass. Cushion. No. 1,266,359; May 14; v. 250; p. 440.
Vining, Herbert A., Arlington, assignor to Milton Chemical Company, East Cambridge, Mass. Mop. No. 1,286,455; Dec. 3; v. 257; p. 67.
Vinson, William A., *et al.* (See Dugan, Joseph A., assignor.)
Vinson, William S., and R. N. McClure, Los Angeles, Cal.; said R. N. McClure assignor of one-sixth of the whole right to M. E. McClure. Direction-indicating apparatus for motor-vehicles. No. 1,260,735; Mar. 26; v. 248; p. 909.
Vint, Wyndham T. (See Alexander, Vint, and Imbery.)
Vinten, Harold B., Ramsgate, England. Drainage-pipe. No. 1,259,684; Mar. 19; v. 248; p. 568.
Vinton, Ira D., assignor to R. B. Coleman, Los Angeles, Cal. Material-compressing machine. No. 1,260,605; Mar. 26; v. 248; p. 871.
Vion, Julius P., Jersey City, N. J. Water-heating device. No. 1,254,454; Jan. 22; v. 246; p. 954.
Virdin, Joseph D., Baltimore county, Md. Fort. No. 1,263,969; Apr. 23; v. 249; p. 914.
Virginia Shipbuilding Corporation. (See Lane, Philander E., assignor.)
Virginia Trunk & Bag Company. (See McCann, Roy C., assignor.)
Viscose Company, The. (See Ernst, Charles A., assignor.)
Viscose Company, The. (See Glover and Wilson, assignors.)
Viscose Company, The. (See Wilson, Leonard P., assignor.)
Visel, Clifton E., New Haven, Conn. Valve mechanism. No. 1,253,311; Jan. 15; v. 246; p. 606.
Visible Spark Plug Company. (See Riggs, Alfred L., assignor.)
Visscher, Arthur R., Syracuse, N. Y. Leaf-spring oiler. No. 1,279,795; Sept. 24; v. 254; p. 750.
Visscher, Charles R. H., Norwich, Conn., assignor to American Thermos Bottle Company, New York, N. Y. Lunch-box. No. 1,267,940; May 28; v. 250; p. 938.
Vissering, Harry, Chicago, Ill. Triple sanding apparatus. No. 1,275,108; Aug. 6; v. 253; p. 217.
Vivarttas, William O., Weehawken, N. J. Work-gripping tool. No. 1,276,596; Aug. 20; v. 253; p. 686.
Viven, Jean, Villefranche-de-Rouergue, and G. Bessière, Levallois-Perret, France. Firearm. No. 1,277,669; Sept. 3; v. 254; p. 94.
Vivian, George T., Flushing, N. Y. Stage-ship. No. 1,281,885; Oct. 15; v. 255; p. 543.

Viviano, Salvatore, St. Louis, Mo. Apparatus for drying macaroni, spaghetti, and similar foods. No. 1,270,900; July 2; v. 252; p. 41.
Viviano, Salvatore, St. Louis, Mo. Fan. No. 1,279,381; Sept. 17; v. 254; p. 610.
Vizcarra, Hermilio M., Lima, Peru. Educational apparatus. No. 1,286,157; Nov. 26; v. 256; p. 800.
Vleeschouwer, Camille de. (See Tacoma and Vleeschouwer.)
Vlk, Adolph, assignor to V-L-K Oscillating Motor Syndicate, Chicago, Ill. Engine. No. 1,283,375; Oct. 29; v. 255; p. 1014.
Voedisch, Alfred W., Aberdeen, S. D. Setting means for electric time-switches. No. 1,263,296; Apr. 16; v. 249; p. 707.
Voelker, Carl V., Wilkes-Barre, Pa. Dry closet. No. 1,270,075; June 18; v. 251; p. 607.
Vogel, Arthur M., Centralia, Wash. Flushing mechanism. No. 1,277,275; Aug. 27; v. 253; p. 903.
Vogel, Charles W. (See Birnstock and Vogel.)
Vogel, Christian H. (See Joy and Vogel.)
Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Highway-crossing bell for railway service. No. 1,283,445; Oct. 29; v. 255; p. 1032
Vogel, Florence B., New York, N. Y. Motor-vehicle seat. No. 1,285,483; Nov. 19; v. 256; p. 593.
Vogel, Harry B., East Molesey, England. Pulley and like wheel. No. 1,263,631; Apr. 23; v. 249; p. 822.
Vogel, John C., Philadelphia, Pa. Grounding device. No. 1,288,303; Dec. 17; v. 257; p. 589.
Vogel, Joseph O., Pittsburgh, Pa. Automobile-elevator. No. 1,261,656; Apr. 2; v. 249; p. 188.
Vogel, Paul F., Belleville, Ill. Hosiery-shipping receptacle. No. 1,281,255; Oct. 8; v. 255; p. 341.
Vogel, Wilson, Killisnoo, Alaska. Sunken-vessel marker. No. 1,256,398; Feb. 12; v. 247; p. 417.
Vogelsang, Arthur, Waterbury, Conn., assignor to Waterbury Button Company. Button. No. 1,270,467; June 25; v. 251; p. 741.
Vogelsang, Fritz, Charlottenburg, near Berlin, Germany. Safety-lock. No. 1,286,456; Dec. 3; v. 257; p. 67.
Vogl, Oscar J. (See Vogl and Ford.)
Vogt, Axel S., Altoona, Pa. Drainage system for track-scales. No. 1,257,553; Feb. 26; v. 247; p. 825.
Vogt, Axel S., Altoona, Pa. Protective covering for scale-pits. No. 1,258,725; Mar. 12; v. 248; p. 264.
Vogt, Axel S., Altoona, Pa. Track-scale. No. 1,269,231; June 11; v. 251; p. 346.
Vogt, Axel S., Altoona, Pa. Locomotive-blower. No. 1,285,484; Nov. 19; v. 256; p. 593.
Vogt, Charles H., Cleveland Heights, Ohio. Repair-link for chains. No. 1,280,906; Oct. 8; v. 255; p. 245.
Vogt, Frank S., Louisville, Ky. Camera-shutter-control mechanism. No. 1,283,604; Nov. 5; v. 256; p. 43.
Vogt, Engelbert J., Grand Rapids, Mich. Adjustable bracket. No. 1,254,094; Jan. 22; v. 246; p. 852.
Vogt, H. P. (See Seaman, Arthur H., assignor.)
Vogtländische Maschinen-Fabrik. (See Granz, Josef, assignor.)
Vogtländische Maschinen-Fabrik. (See Sieber, Gottwalt, assignor.)
Vogtländische Maschinen-Fabrik. (See Tittes and Schönherr, assignors.)
Voight, George F. (See Henry, Robert G., assignor.)
Voight, George F., San Francisco, Cal. Spring suspension for automobiles. No. 1,258,280; Mar. 5; v. 248; p. 96.
Voight, George F., San Francisco, Cal. Spring suspension. No. 1,259,685; Mar. 19; v. 248; p. 569.
Voight, George F., San Francisco, Cal. Auxiliary spring for road-vehicles. No. 1,260,488; Mar. 26; v. 248; p. 835.
Voight, George F., San Francisco, Cal. Spring suspension for road-vehicles. No. 1,267,609; May 28; v. 250; p. 845.
Voight, George F., San Francisco, Cal. Spring suspension for road-vehicles. No. 1,274,638; Aug. 6; v. 253; p. 86.
Voight, George F., San Francisco, Cal. Motor-vehicle spring suspension. No. 1,281,109; Oct. 8; v. 255; p. 299.
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,257,554; Feb. 26; v. 247; p. 826.
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,262,878; Apr. 16; v. 249; p. 590.
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,264,583; Apr. 30; v. 249; p. 1118.
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,270,468; June 25; v. 251; p. 741.
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,270,469; June 25; v. 251; p. 741.
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,271,632; July 9; v. 252; p. 279.
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,273,958; July 30; v. 252; p. 1014.
Voight, Henry G., New Britain, and G. B. Pickop, assignors to Sargent & Company, New Haven, Conn. Lock. No. 1,262,287; Apr. 9; v. 249; p. 394.
Voigt, Friedrich. (See Schwedler, Carl, assignor.)
Voigt, Oscar, New York, N. Y. Combined spark-plug and engine testing and priming device. No. 1,281,441; Oct. 15; v. 255; p. 424.
Voigt, Richard H., Milwaukee, Wis. Folding box. No. 1,272,878; July 16; v. 252; p. 659.
Voigts, Lester E., Streator, Ill. Collapsible egg-case. No. 1,257,770; Feb. 26; v. 247; p. 889.
Voje, Frank W., St. Paul, Minn., Billiard-cue. No. 1,252,632; Jan. 8; v. 246; p. 379.
Vokalek, Jaroslaus, Savannah, Ga. Deodorizing attachment for fans. No. 1,267,826; May 28; v. 250; p. 906.
Vold, Ole G., Forest City, Iowa. Seed-corn drier. No. 1,254,378; Jan. 22; v. 246; p. 933.
Vollmann, Carl W., Montreal, Quebec, Canada. Pipe coupling or joint. No. 1,258,166; Mar. 5; v. 248; p. 63.
Vollmann, Carl W., Montreal, Quebec, Canada. Compressor-valve. No. 1,258,167; Mar. 5; v. 248; p. 63.
Vollmann, Carl W., Montreal, Quebec, Canada. Ammonia-condenser. No. 1,259,810; Mar. 19; v. 248; p. 605.
Vollmer, Fred C., San Diego, Cal. Valve. No. 1,279,185; Sept. 17; v. 254; p. 555.
Vollmer, Gustav C., St. Louis, Mo. Motor and the like. No. 1,263,821; Apr. 23; v. 249; p. 872.
Volpato, Vittorio. (See Stoppani and Volpato.)
Volsky, Theodore, Pittsfield, Mass. Sand-conveyer. No. 1,259,176; Mar. 12; v. 248; p. 395.
Volz, George, assignor to Volz-Guild Company, Inc., Buffalo, N. Y. Railway-rail. No. 1,268,188; June 4; v. 251; p. 33.
Volz, George B., Elkhart, Iowa. Guide device for traction-engines. No. 1,283,990; Nov. 5; v. 256; p. 145.
Volz-Guild Company. (See Volz, George, assignor.)
Vom Baur, Carl H., Douglaston, N. Y. Electric furnace. No. 1,252,633; Jan. 8; v. 246; p. 379.
Vom Eigen, Benno, Newark, N. J., assignor to August Goertz & Co. Locking or holding catch. No. 1,255,363; Feb. 5; v. 247; p. 72.
Vom Eigen, Benno, Newark, N. J., assignor to August Goertz & Co. Match box or case. No. 1,283,376; Oct. 29; v. 255; p. 1015.
Von Allmen, Christian, Louisville, Ky. Wheel. No. 1,254,178; Jan. 22; v. 246; p. 876.
Von Baldass, Max, New York, N. Y. Glove. No. 1,268,516; June 4; v. 251; p. 127.
Von Barth, Arthur, Detroit, Mich. Wage-paying machine. No. 1,256,957; Feb. 19; v. 247; p. 617.
Von Beaulieu, Albert, Owego, N. Y. Babbitting-fixture. No. 1,269,137; June 11; v. 251; p. 319.
Von Boden, George B., and E. F. Ingles, San Francisco, Cal. Oil-burner and atomizer-slot adjustment. No. 1,259,811; Mar. 19; v. 248; p. 606.
Von Culin, Clayton. (See Beach and Von Culin.)
Von Culin, Clayton, New York, N. Y., and G. W. Beach, Saybrook, Conn. Shoe. No. 1,274,111; July 30; v. 252; p. 1057.
Von Dorn, Theodore A., *et al.* (See Hyle and Herman, assignors.)
Von Duyke, Harrison M., East Cleveland, Ohio. Key-carrier. No. 1,255,961; Feb. 12; v. 247; p. 285.
Von Frieling, Minnie, Athol, Kans. Garment-fastener. No. 1,256,463; Feb. 12; v. 247; p. 435.
Von Glahn, John, Brooklyn, N. Y. Aging alcoholic liquids. No. 1,265,838; May 14; v. 250; p. 295.
Von Hagel, Gerhard, Akron, Iowa. Oil-can. No. 1,267,721; May 28; v. 250; p. 876.
Von Hagen, Arnold C., Kansas City, Mo. Treating wheat and other grains. No. 1,265,700; May 7; v. 250; p. 224.
Von Henke, Edmund J., assignor to Thomson Electric Welding Company, Lynn, Mass. Welding and annealing high-speed steel. No. 1,252,746; Jan. 8; v. 246; p. 411.
Von Henke, Edmund J., assignor to Thomson Electric Welding Company, Lynn, Mass. Welding high-speed steel. No. 1,253,189; Jan. 8; v. 246; p. 542.
Von Henke, Edmund J., assignor to Thomson Electric Welding Company, Lynn, Mass. Fastening metal plates in spaced relation. No. 1,261,327; Apr. 2; v. 249; p. 96.
Von Henke, Edmund J., assignor to Thomson Electric Welding Company, Lynn, Mass. Electric-welding machine. No. 1,266,084; May 14; v. 250; p. 364.
Von Henke, Edmund J., assignor to Thomson Electric Welding Company, Lynn, Mass. Automatic switching or circuit-breaking device for electric welding or other metal-working apparatus. No. 1,267,481; May 28; v. 250; p. 808.
Von Henke, Edmund J., Lynn, assignor to Thomson Spot Welder Company, Boston, Mass. Electric welding apparatus. No. 1,267,480; May 28; v. 250; p. 807.
Von Marbod, Friedrich, Addy, Wash. Combined stool and milk-pail. No. 1,259,323; Mar. 12; v. 248; p. 435.
Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism. No. 1,261,956; Apr. 9; v. 249; p. 304.

Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Ticket-issuing machine. No. 1,279,616; Sept. 24; v. 254; p. 697.
Von Reppert, Richard, St. Louis, Mo. Calculating-machine. No. 1,253,310; Jan. 15; v. 246; p. 605.
Von Schrenk, Arnold, New York, N. Y. Nail, spike, and the like. No. 1,273,427; July 23; v. 252; p. 831.
Von Unwerth, Hans. (See Marqua, Von Unwerth, and Byrd.)
Von Vargyas, Eugene, Washington, D. C., assignor to Achilles Rubber and Tire Company, Binghamton, N. Y. Rubber composition. No. 1,263,297; Apr. 16; v. 249; p. 707.
Von Wahlde, Frederick T., and F. A. Stiens, St. Bernard, assignors to The J. Henry Koenig Company, Cincinnati, Ohio. Can-labeling machine. No. 1,273,795; July 23; v. 252; p. 929.
Von Wladkowsky, Julius, assignor to S.-P. Vaporizer Co., New York, N. Y. Gaseous-fuel mixer. No. 1,254,102; Jan. 22; v. 246; p. 854.
Vonde Veld, Edwin A., Willard, N. Mex. Liquid measuring and dispensing device. No. 1,276,136; Aug. 20; v. 253; p. 558.
Voorhees, Richard D., Lebanon, Ind. Suspender attachment. No. 1,256,399; Feb. 12; v. 247; p. 417.
Voorhees, Walter K., assignor to Standard Manufacturing Company, Cedar Falls, Iowa. Fastening device for gates. No. 1,275,506; Aug. 13; v. 253; p. 350.
Voorhies, Sylvester, Enderlin, N. D. Main-line telegraph-repeater. No. 1,277,507; Sept. 3; v. 254; p. 49.
Voorsanger, Leon M., San Francisco, Cal. Mixing and dispensing apparatus. No. 1,258,964; Mar. 12; v. 248; p. 332.
Vorba, Joseph, Gladbrook, Iowa. Chicken-waterer. No. 1,255,492; Feb. 5; v. 247; p. 109.
Vorce, La Fayette D., Sandwich, Ontario, Canada. Electrolytic cell. No. 1,286,844; Dec. 3; v. 257; p. 156.
Vordermark, George, Indianapolis, Ind. Chair and table combined. No. 1,265,977; May 14; v. 250; p. 335.
Vorel, Joseph E., Milwaukee, Wis. Apparatus for treating hides. No. 1,254,179; Jan. 22; v. 246; p. 876.
Vormeng, Henry A., Rochester, N. Y. Gage-cock. No. 1,252,206; Jan. 1; v. 246; p. 222.
Vorraber, Josef, Munich-Trudering, Germany. Ball-bearing. No. 1,284,827; Nov. 12; v. 256; p. 388.
Voss, Herman, Horicon, Wis. Wrench. No. 1,281,886; Oct. 15; v. 255; p. 543.
Voss, Johann H. H., White Plains, N. Y. High-speed valve. No. 1,287,530; Dec. 10; v. 257; p. 365.
Voss, William H., Davenport, Iowa. Attachment for washing-machines. No. 1,285,485; Nov. 19; v. 256; p. 593.
Voss, William H., Davenport, Iowa. Washing-machine. No. 1,285,486; Nov. 19; v. 256; p. 594.
Voss, William H., Davenport, Iowa. Illuminating arrangement for washing-machines. No. 1,286,159; Nov. 26; v. 256; p. 800.
Vrana, Frank, Danube, Minn. Sound-signal machine. No. 1,286,160; Nov. 26; v. 256; p. 801.
Vrbas, Frank J., Newkirk, Okla. Wagon-spring. No. 1,253,651; Jan. 15; v. 246; p. 705.
Vredenburgh, Peter, Jr. (See Coleman and Vredenburgh.)
Vredenburgh, Peter, Jr. (See Morris, Thomas C., assignor.)
Vreeland Apparatus Company. (See Vreeland, Frederick K., assignor.)
Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Apparatus Company, New York, N. Y. Producing analgesia. No. 1,257,555; Feb. 26; v. 247; p. 826.
Vreeland, Walter G., assignor to Lacey Manufacturing Corporation, Chattanooga, Tenn. Resilient attachment for well-casings. No. 1,269,232; June 11; v. 251; p. 346.
Vrubel, Joseph F., Hartford, Conn. Mandolin-support. No. 1,272,583; July 16; v. 252; p. 573.
Vuilleumier, Rudolph, New Rochelle, N. Y. Method and apparatus for inducing heat changes. No. 1,275,507; Aug. 13; v. 253; p. 351.
Vukosav, Mike P., West Oakland, Cal. Life-saving apparel. No. 1,268,806; June 4; v. 251; p. 209.
Vulcan Motor Devices Company. (See McCarrell, William A., assignor.)
Vulcan Motor Devices Company. (See Small, Howard, assignor.)
Vulcan Soot Cleaner Co., The. (See Linaker, Frederick W., assignor.)
W. A. Case & Son Manufacturing Company. (See Taylor, William, assignor.)
W. A. Freeman Company. (See Freeman, William A., assignor.)
W. & B. Douglas. (See Douglas, William B., assignor.)
W. C. Ritchie & Company. (See Laencher, Frederick W., assignor.)
W. C. Ritchie & Company. (See Milmoe, Michael J., assignor.)
W. C. Ritchie & Company. (See Milmoe and Redington, assignors.)
W. C. Richtie & Company. (See Stock, Julius A., assignor.)
W. G. Armstrong-Whitworth and Company Limited. (See Ashdown, Herbert H., assignor.)
W. G. Armstrong-Whitworth and Company Limited. (See Wilson and Dalby, assignors.)
W. G. Nagel Electric Company, The. (See Decker, Hugh L., assignor.)
W. H. Foss Co. (See Foss, Wallace H., assignor.)
W. H. Gunlocke Chair Co., The. (See Pike, George J., assignor.)
W. H. McElwain Company. (See Brackett, Frank A., assignor.)
W. H. McElwain Company. (See Murphy, Francis P., assignor.)
W. H. McElwain Company. (See Ryan and Ayer, assignors.)
W. J. Savage Company. (See Gauntt, Forest G., assignor.)
W. J. Young Machinery Company. (See Grover, George B., assignor.)
W. & L. E. Gurley. (See Hess, Wendell, Jr., assignor.)
W. N. Best Smoke Consuming Co. (See Stoopes, Pierce C., assignor.)
W. N. Matthews and Brother. (See Matthews and Heinrich, assignors.)
W. N. Matthews and Brother. (See Tallman and Hubert, assignors.)
W. R. Ostrander & Company. (See Brockett, Charles W., assignor.)
W. R. Ostrander & Company. (See Terrell, Irijah A., assignor.)
W. R. Ostrander & Company. (See Wurster, George B., assignor.)
W. S. Rockwell Company. (See Rockwell, Walter S., assignor.)
W. S. Rockwell Company. (See Wood and Rockwell, assignors.)
W. S. Tyler Company, The. (See Reynolds, Morley P., assignor.)
Waage, O. A., *et al.* (See Johannessen, Johan E., assignor.)
Waage, Osborne A. (See Johannessen and Waage.)
Wabash Cabinet Co., The. (See Adams, James D., assignor.)
Wabash Manufacturing Company. (See Wilson, William R., assignor.)
Wabers, Henry H., Wautoma, Wis., assignor of one-fourth to C. J. Farwell and C. Farwell. Potato separator and grader. No. 1,269,342; June 11; v. 251; p. 376.
Wachs, Walter G. (See Gallup and Wachs.)
Wachsman, Leopold. (See Stephenson and Wachsman.)
Wachter, Louis E. F., New York, N. Y. Watch bow and attachment. No. 1,257,159; Feb. 19; v. 247; p. 674.
Wachter, Louis E. F., New York, N. Y. Watch-crystal. No. 1,279,617; Sept. 24; v. 254; p. 698.
Wachter, Louis E. F., New York, N. Y. Crystal for watches and like articles. No. 1,288,305; Dec. 17; v. 257; p. 589.
Wachter, Louis E. F., New York, N. Y. Watch-crystal. No. 1,288,306; Dec. 17; v. 257; p. 589.
Wachter, Louis E. F., New York, N. Y. Watch crystal and bezel. No. 1,288,307; Dec. 17; v. 257; p. 590.
Wachter, Louis E. F., New York, N. Y. Crystal for watches and like articles. No. 1,288,308; Dec. 17; v. 257; p. 590.
Wachter, Louis E. F., New York, N. Y. Watch crystal and bezel. No. 1,288,309; Dec. 17; v. 257; p. 590.
Wachter, Louis E. F., New York, N. Y. Watch. No. 1,289,323; Dec. 31; v. 257; p. 890.
Wackenhuth, Frederick, Newark, N. J., assignor to S. S. Kurtz, Sr., Canton, Ohio. Met[illegible] piston-packing. No. 1,279,948; Sept. 24; v. 254; p. [illegible].
Wacker, Aloysius, Pierz, Minn. Pump-jack. No. 1,269,343; June 11; v. 251; p. 377.
Wacker, George W., Rutherford, N. J., assignor to National Carbon Company Inc., New York, N. Y. Electrical system for motor-vehicles. No. 1,269,344; June 11; v. 251; p. 377.
Wacker, George W., Rutherford, N. J., assignor to National Carbon Company, Inc., New York, N. Y. Safety electric light. No. 1,288,304; Dec. 17; v. 257; p. 589.
Wackwitz, Henry E., assignor of one-half to H. R. Smith, Port Washington, N. Y. Paint-brush. No. 1,277,508; Sept. 3; v. 254; p. 49.
Waddell, Frances B., New York, N. Y. Cigarette-wrapper. No. 1,289,975; Dec. 31; v. 257; p. 1049.
Waddell, John M., Greenfield, Ohio. Phonograph. No. 1,274,640; Aug. 6; v. 253; p. 86.
Waddill, Clarence E., Tennessee, Ill. Stock water-heater. No. 1,288,310; Dec. 17; v. 257; p. 590.
Wade, Arthur, and H. L. Van Zile, assignors to Van Zile Ventilating Corporation, New York, N. Y. Ventilator. No. 1,265,978; May 14; v. 250; p. 335.
Wade, Charles B., and E. K. Herman, Roanoke, Va. Electric-welding shield. No. 1,255,249; Feb. 5; v. 247; p. 39.
Wade, Ethel A., Springfield, Mo. Skirt-marker. No. 1,271,394; July 2; v. 252; p. 179.
Wade, George, Longport, England. Stopping device for bottles and the like. No. 1,268,899; June 11; v. 251; p. 253.
Wade, Henry C., New York, N. Y. Apparatus for generating gaseous fuel. No. 1,261,463; Apr. 2; v. 249; p. 133.
Wade, Jessie, West Kensington, assignor of one-half to O. P. MacFarlane, London, England. Cinematographic film. No. 1,271,247; July 2; v. 252; p. 140.

Wade, Martin L., Marlow, Okla. Broom-corn tabler. No. 1,267,019; May 21; v. 250; p. 653.
Wade, Newman C., and J. A. Billado, assignors of one-fourth to W. W. Nichols and one-fourth to J. A. Barney, Rutland, Vt. Wind-shield storm-protector. No. 1,259,812; Mar. 19; v. 248; p. 606.
Wade, William O., Los Angeles, Cal., and C. C. Chappelle, assignors to Railway Improvement Company, New York, N. Y. Indicating device. No. 1,275,328; Aug. 13; v. 253; p. 302.
Wadell, Edward B., Sr., Williamson, W. Va. Safety gage-cock. No. 1,254,011; Jan. 15; v. 246; p. 808.
Wadhams, Darius T., assignor to N. Gray, Jr., Oswego, N. Y. Feeding mechanism for cutting-machines. No. 1,264,715; Apr. 30; v. 249; p. 1153.
Wadhams, Darius T., assignor to N. Gray, Jr., Oswego, N. Y. Cutting-machine. No. 1,264,716; Apr. 30; v. 249; p. 1153.
Wadhams, Darius T., assignor to N. Gray, Jr., Oswego, N. Y. Feeding and spacing mechanism for cutting-machines. No. 1,273,959; July 30; v. 252; p. 1015.
Wadhams, George, and A. T. Best, Birmingham, England. Driving-chain. No. 1,275,329; Aug. 13; v. 253; p. 303.
Wadleigh, George E., and T. E. Garrison, Toledo, Ohio, assignors to The Indiana Manufacturing Company, Indianapolis, Ind. Bean-saving device for threshing-machines. No. 1,253,312; Jan. 15; v. 246; p. 606.
Wadsworth, Adna A., Jr., assignor of one-fourth to G. E. Merrifield, and one-fourth to C. T. Stuart, New York, N. Y. Toilet-case. No. 1,280,907; Oct. 8; v. 255; p. 246.
Wadsworth, David R., Jr. (See Wadsworth, William H., assignor.)
Wadsworth, Frank L. O., Pittsburgh, assignor to The Spirella Company, Meadville, Pa. Machine for making garment-stays. No. 1,254,455; Jan. 22; v. 246; p. 955.
Wadsworth, Frank L. O., Pittsburgh, Pa., assignor to Ball Brothers Glass Manufacturing Company, Muncie, Ind. Glass-working. No. 1,275,178; Aug. 6; v. 253; p. 236.
Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Starter for internal-combustion engines. No. 1,251,711; Jan. 1; v. 246; p. 80.
Wadsworth, George R., Boston, Mass., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Fastening and locking means for the hoods of automobiles. No. 1,269,023; June 11; v. 251; p. 287.
Wadsworth, William H., Chickasha, Okla. Railway-tie. No. 1,269,345; June 11; v. 251; p. 377.
Wadsworth, William H., assignor to W. H. and D. R. Wadsworth, Jr., Brooklyn, N. Y. Radiator-cap. No. 1,263,490; Apr. 23; v. 249; p. 784.
Waehler, Raymond C., Lomira, Wis. Cattle-stanchion. No. 1,269,346; June 11; v. 251; p. 378.
Waffen, August J. (See King, Josephine, assignor.)
Waffle, Earl L. (See Waffle, Frederick N. and E. L.)
Waffle, Frederick N. and E. L., Philadelphia, Pa. Necktie-holder. No. 1,264,717; Apr. 30; v. 249; p. 1154.
Wagemaker, Isaac, Grand Rapids, Mich. Tab construction for index-card guides. No. 1,257,160; Feb. 19; v. 247; p. 675.
Wagemaker, Isaac, Grand Rapids, Mich. Tab construction for index-card guides. No. 1,273,960; July 30; v. 252; p. 1015.
Wagenhorst, James H., Akron, Ohio. Arc-lamp. No. 1,279,618; Sept. 24; v. 254; p. 698.
Wagenhorst, James H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Demountable rim. No. 1,258,065; Mar. 5; v. 248; p. 34.
Wagenhorst, James H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle-wheel rim. No. 1,275,109; Aug. 6; v. 253; p. 217.
Wagenhorst, James H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-rim. No. 1,276,597; Aug. 20; v. 253; p. 686.
Waggaman, William H., C. R. Wagner, and H. Bryan, Washington, D. C. Manufacture of phosphorus, phosphoric acid, &c. No. 1,282,994; Oct. 29; v. 255; p. 914.
Waggoner, Lloyd B., San Diego, Cal. Envelop-moistener. No. 1,270,470; June 25; v. 251; p. 741.
Wagner, Albert F. (See Benedict, Henry I., assignor.) (Reissue.)
Wagner, Albert F., New York, N. Y. Jack-handle. No. 1,286,161; Nov. 26; v. 256; p. 801.
Wagner, Cary R. (See Waggaman, Wagner, and Bryan.)
Wagner, Charles B., Jr., Burlington, Wis. Calf-weaner. No. 1,267,482; May 28; v. 250; p. 808.
Wagner, Charles H. (See Robb and Wagner.)
Wagner, Charles L., *et al.* (See Bornhauser, Otto E., assignor.)
Wagner, Charles W., New York, N. Y. Liquid-faucet. No. 1,264,718; Apr. 30; v. 249; p. 1154.
Wagner, Elbert L., Packard, Ky. Tube-splitter. No. 1,276,458; Aug. 20; v. 253; p. 649.
Wagner Electric Manufacturing Company. (See Fynn, Valère A., assignor.)
Wagner Electric Manufacturing Company. (See Huffman, Edwin E., assignor.)
Wagner Electric Manufacturing Company. (See Sundberg, Emanuel W., assignor.)
Wagner, Frank J., and J. G. Carney, Erie, Pa. Fluid-meter. No. 1,274,642; Aug. 6; v. 253; p. 87.
Wagner, Frederick U., Rahway, N. J. Railway-car. No. 1,271,812; July 9; v. 252; p. 328.
Wagner, George, assignor of one-half to J. A. Borkman, Oakland, Cal. Speed-limit warning and theft alarm. No. 1,275,330; Aug. 13; v. 253; p. 303.
Wagner, Hans, Magdeburg, Germany. Method and apparatus for transporting incompressible fluid. No. 1,253,548; Jan. 15; v. 246; p. 676.
Wagner, Henry C., Woonsocket, R. I., assignor to Woonsocket Rubber Company. Device for manipulating rubber stock. No. 1,289,324; Dec. 31; v. 257; p. 890.
Wagner, Herbert A., New York, N. Y. Railway signaling system. No. 1,264,719; Apr. 30; v. 249; p. 1154.
Wagner, Herbert A., Short Hills, N. J. Railway signaling system. No. 1,264,720; Apr. 30; v. 249; p. 1154.
Wagner, Hugh K., *et al.* (See May, Harry E., assignor.)
Wagner, John C., Cleveland, Ohio. Hat-clamp. No. 1,277,276; Aug. 27; v. 253; p. 904.
Wagner, John F., Tamaqua, Pa. Coal-jigger. No. 1,288,311; Dec. 17; v. 257; p. 590.
Wagner, John H., Aspinwall, Pa. Filing device. No. 1,275,508; Aug. 13; v. 253; p. 351.
Wagner, John J., Green Cove Springs, Fla. Draft-accelerator and ventilator. No. 1,285,487; Nov. 19; v. 256; p. 594.
Wagner, Joseph, Windsor, Wis. Bicycle. No. 1,264,231; Apr. 30; v. 249; p. 1019.
Wagner, Joseph, Cleveland, Ohio. Vacuum-cleaner. No. 1,288,312; Dec. 17; v. 257; p. 590.
Wagner, Joseph R., Chicago, Ill. Wind-shield for automobiles. No. 1,273,429; July 23; v. 252; p. 832.
Wagner, Lawrence A., Youngstown, Ohio. Reinforced plastic fence-post with base. No. 1,271,105; July 2; v. 252; p. 99.
Wagner, Louis, assignor of one-half to E. Crede, Newberg, Oreg. Agricultural machine. No. 1,251,945; Jan. 1; v. 246; p. 148.
Wagner, Louisa P., New York, N. Y. Electric signal-lamp. No. 1,261,464; Apr. 2; v. 249; p. 133.
Wagner Manufacturing Company, The. (See Bingham, Robert O., assignor.)
Wagner Manufacturing Company. (See Piper, George M., assignor.)
Wagner, Martin, Larson, N. D. Washing-machine. No. 1,274,641; Aug. 6; v. 253; p. 87.
Wagner, Paul, Charlottenburg, Germany, assignor to General Electric Company. Ventilating apparatus. No. 1,273,788; July 23; v. 252; p. 927.
Wagner, Paul R., New York, N. Y. Flying-machine. No. 1,266,888; May 21; v. 250; p. 616.
Wagner Refrigeration Company, The. (See Bornhauser and Herman, assignors.)
Wagner, Robert E., and W. E. Laird, Pittsfield, Mass., assignors to General Electric Company. Electric welding-machine. No. 1,282,502; Oct. 22; v. 255; p. 750.
Wagner, Theodore B., Brooklyn, N. Y. Process of treating the residual liquor obtained in the hydrolysis of cellulosic materials and products thereof. No. 1,261,328; Apr. 2; v. 249; p. 96.
Wagner, William W., Easton, Pa. Railway signal-circuit. No. 1,253,911; Jan. 15; v. 246; p. 779.
Wahl Company, The. (See Bricken, John, assignor.)
Wahl Company, The. (See Dunker, John G., assignor.)
Wahl Company, The. (See McKay, Henry N., assignor.)
Wahl Company, The. (See Poole, Arthur F., assignor.)
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl Company, The. (See Wahl and Odlum, assignors.)
Wahl, Jacob W., New York, N. Y., assignor to S. M. Loomis, Cincinnati, Ohio. Automatic electric fire-alarm. No. 1,284,950; Nov. 12; v. 256; p. 420.
Wahl, John C., Chicago, Ill., assignor, by mesne assignments, to The Wahl Company, Wilmington, Del. Calculating-machine. No. 1,270,471; June 25; v. 251; p. 741.
Wahl, John C., and W. H. Odlum, Chicago, Ill., assignors to The Wahl Company, Wilmington, Del. Clip for pencils and the like. No. 1,279,186; Sept. 17; v. 254; p. 555.
Wahle, Gervas P., New Albany, Ind. Signaling device. No. 1,276,459; Aug. 20; v. 253; p. 649.
Wahlert, Henry A. (See Burton and Wahlert.)
Wahlert, Henry A., assignor to The American Brake Company, St. Louis, Mo. Brake-hanger. No. 1,282,995; Oct. 29; v. 255; p. 915.
Wahlert, Henry A., assignor to The American Brake Company, St. Louis, Mo. Brake-rigging for railway-trucks. No. 1,286,845; Dec. 3; v. 257; p. 157.
Wahlstrand, Albin. (See Nordstrom and Wahlstrand.)
Wahlstrom Tool Company. (See Halstead, John F., assignor.)
Waibel, Charles, New York, N. Y. Food-container. No. 1,288,313; Dec. 17; v. 257; p. 591.
Waibel, Henry, Cleveland, assignor of one-third to L. W. Theis, Lakewood, and one-third to M. N. Nelson, Cleveland, Ohio. Means for positively opening a valve by pulling. No. 1,255,364; Feb. 5; v. 247; p. 72.
Waid, Calvin R., Birmingham, Ala. Mine-car running-gear. No. 1,275,188; Aug. 6; v. 253; p. 240.
Waid, Calvin R., assignor to Birmingham Key Hook Company, Birmingham, Ala. Key-hook. No. 1,276,137; Aug. 20; v. 253; p. 558.

Wailes, Dove & Company Limited. (See Macdonald, Charles, assignor.)
Wailes, Sydney I. (See Moore, Miles F., assignor.)
Wainford, Richard H., Stoke-up-on-Trent, Eng. Drying-stove. No. 1,289,976; Dec. 31; v. 257; p. 1049.
Waing, Nikolaus, assignor to Cantopen Lock Corporation, Inc., New York, N. Y. Lock. No. 1,280,339; Oct. 1; v. 255; p. 63.
Waing, Nikolaus, assignor, by mesne assignments, to Cantopen Lock Corporation, Inc., New York, N. Y. Lock. No. 1,285,848; Nov. 26; v. 256; p. 725.
Wainright, Robert E. (See Kroegel and Wainright.)
Wainwright, Charles, and F. J. Carney, Erie, Pa. Plate-valve. No. 1,273,698; July 23; v. 252; p. 903.
Wais, Charles C., Cincinnati, Ohio. Vehicle-wheel. No. 1,253,752; Jan. 15; v. 246; p. 734.
Wais, Charles C., Cincinnati, Ohio. Vehicle-wheel. No. 1,253,753; Jan. 15; v. 246; p. 735.
Wait, Alfred H., Lincoln, Kans. Garment-ventilating appliance. No. 1,263,632; Apr. 23; v. 249; p. 822.
Wait, Henry H., Chicago, Ill. Wheel for steam-turbines. No. 1,266,889; May 21; v. 250; p. 616.
Wait, Henry H., Chicago, Ill. Steam-turbine. No. 1,274,643; Aug. 6; v. 253; p. 87.
Waite, Charles A., assignor to A. L. Richards, B. W. Rowlen, W. A. Heck, W. C. Kimberly, E. G. James, H. J. Smith, and I. Aikins, West Liberty, Iowa. Rotary valve for internal-combustion engines. No. 1,280,597; Oct. 1; v. 255; p. 134.
Waite, Edwin E., assignor of one-half to Standard Woven Fabric Company, Framingham, Mass. Fabric and making the same. No. 1,281,723; Oct. 15; v. 255; p. 498.
Waite, Fred D. (See Courter, Martin, assignor.)
Waite, Guy B., New York, N. Y. Tire-protector. No. 1,275,633; Aug. 13; v. 253; p. 386.
Waite, Guy B., New York, N. Y. Wheel-tire. No. 1,275,634; Aug. 13; v. 253; p. 386.
Waite, Harry C., Piqua, Ohio, assignor, by mesne assignments, to Elgin Tractor Corporation. Traction-tread device for tractor-wheels. No. 1,268,517; June 4; v. 251; p. 127.
Waite, Harry F., New York, N. Y. X-ray system. No. 1,277,003; Aug. 27; v. 253; p. 831.
Waite, Ossian T. (See Brooks, John C., assignor.)
Waite, Wilbur M., Boston, assignor to The Multi-Signal Company, Charlestown, Mass. Electric signal device. No. 1,253,912; Jan. 15; v. 246; p. 779.
Waiteling, Royal A., Pittsfield, Mass. Flag-holder. No. 1,262,879; Apr. 16; v. 249; p. 590.
Waitt, George L., Buffalo, N. Y. Hinge for journal-boxes and the like. No. 1,270,076; June 18; v. 251; p. 607.
Waitz, Charles A., Rouseville, Pa. Anchor mechanism. No. 1,258,834; Mar. 12; v. 248; p. 297.
Wakaliuk, Fedor. (See Semotiuk, Ilia, assignor.)
Wakaliuk, Fedor. (See Zukiwski, John, assignor.)
Wake, Charles H., Los Angeles, Cal. Dental instrument. No. 1,289,325; Dec. 31; v. 257; p. 890.
Wakefield, Charles L. (See McNabb, Alvin C., assignor.)
Wakefield, Harry U., Darks Mill, Tenn. Harrow. No. 1,265,979; May 14; v. 250; p. 335.
Wakefield, Richard E. B., assignor of one-half to D. U. Rich, Washington, D. C. Motion-picture-projecting apparatus. No. 1,284,499; Nov. 12; v. 256; p. 306.
Wakefield, Samuel J., Abbeville, S. C. Cotton-gin. No. 1,266,643; May 21; v. 250; p. 549.
Wakeling, Bertram M. (See Dunae, Archipp F., assignor.)
Wakimoto, John S., Grand Island, Nebr. Chalk-line holder and reel. No. 1,251,712; Jan. 1; v. 246; p. 81.
Wakulenko, Micheal, The Pas, Manitoba, Canada. Bicycle. No. 1,283,377; Oct. 29; v. 255; p. 1015.
Walbach, James D., Galveston, Tex. Pocket hair-brush. No. 1,282,996; Oct. 29; v. 255; p. 915.
Walberg, Carl J., Bovey, Minn. Railway-spike. No. 1,282,333; Oct. 22; v. 255; p. 705.
Walby, Edward A., Millersville, Ohio. Map-case. No. 1,284,828; Nov. 12; v. 256; p. 388.
Walcoff, Harry, New York, N. Y. Knickerbockers. No. 1,271,248; July 2; v. 252; p. 140.
Walcott, Inez M. (See Klunk, Albert J., assignor.)
Walda, William C., Fort Wayne, Ind. Molding-machine. No. 1,265,405; May 7; v. 250; p. 147.
Walden, Emma, New York, N. Y. Educational apparatus. No. 1,257,655; Feb. 26; v. 247; p. 855.
Walden, Frederick E., Worcester, assignor to Walden Tool Company, Boston, Mass. Handcuff. No. 1,252,517; Jan. 8; v. 246; p. 345.
Walden, Jesse F., Merryville, La. Aeroplane. No. 1,277,277; Aug. 27; v. 253; p. 904.
Walden, John W., Oklahoma, Okla. Indicator. No. 1,265,839; May 14; v. 250; p. 295.
Walden, Nathan D., David City, Nebr. Dumping-vehicle. No. 1,287,147; Dec. 10; v. 257; p. 273.
Walden Tool Company. (See Walden, Frederick E., assignor.)
Waldheim, John, Newark, N. J. Razor-stropping device. No. 1,284,829; Nov. 12; v. 256; p. 388.
Waldmeier, Emile, Gulfport, Miss. Blowpipe. No. 1,282,997; Oct. 29; v. 255; p. 915.
Waldner, Paul, Neche, N. D. Hand shaft-planer. No. 1,287,148; Dec. 10; v. 257; p. 273.
Waldo, George E., and E. F. Wilson, Chicago, Ill.; said Wilson assignor to said Waldo. Trolley-catcher. No. 1,271,106; July 2; v. 252; p. 99.
Waldo, Lucius O., Bellingham, Wash. Can-handler. No. 1,288,769; Dec. 24; v. 257; p. 729.
Waldo, Lucius O., Bellingham, Wash. Adjustable can-handler. No. 1,288,770; Dec. 24; v. 257; p. 730.
Waldon, Sidney D., assignor to Cadillac Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,283,991; Nov. 5; v. 256; p. 145.
Waldow, Alexis F., assignor to The Whitin Machine Works, Whitinsville, Mass. Stop-motion apparatus. No. 1,271,964; July 9; v. 252; p. 371.
Waldref, Grant. (See Anderson, Albert S., assignor.)
Waldron, William H., New Brunswick, N. J. Printing-machine. No. 1,271,965; July 9; v. 252; p. 371.
Waldron, William H., New Brunswick, N. J. Block-printing machine. No. 1,283,378; Oct. 29; v. 255; p. 1015.
Waldrop, Frances E. (See Ewton and Waldrop.)
Wales, Charles M., and C. Baskerville, New York, assignors to The Metalco Company, Mount Vernon, N. Y. Reinforced metal. No. 1,280,908; Oct. 8; v. 255; p. 246.
Wales, Charles M., and C. Baskerville, New York, assignors to The Metalco Company, Mount Vernon, N. Y. Manufacture of pipes. No. 1,280,909; Oct. 8; v. 255; p. 246.
Wales, Nathaniel B., New York, N. Y. Tractor-carriage for automobiles. No. 1,286,846; Dec. 3; v. 257; p. 157.
Wales, Nathaniel B., assignor to W. R. Pierce, Detroit, Mich. Liquid-level indicator. No. 1,261,657; Apr. 2; v. 249; p. 189.
Wales, Roland T., Sewaren, N. J. Core-mold for hollow walls. No. 1,272,736; July 16; v. 252; p. 617.
Wales, Samuel S., Pittsburgh, Pa. Manufacture of steel. No. 1,282,660; Oct. 22; v. 255; p. 793.
Walk, Jasper J., Oakland, Cal. Aerial machine. No. 1,286,847; Dec. 3; v. 257; p. 157.
Walker, Alexander, What Cheer, Iowa. Boxing for drills. No. 1,273,961; July 30; v. 252; p. 1015.
Walker & Bennett Manufacturing Company. (See Bennett, Frederick, assignor.)
Walker Brothers Company. (See Walker, Willard R., assignor.)
Walker, Byron A., assignor to Lovell Manufacturing Company, Erie, Pa. Clothes-wringer. No. 1,265,840; May 14; v. 250; p. 296.
Walker, Cassius M., Pueblo, Colo. Caterpillar-tractor. No. 1,259,938; Mar. 19; v. 248; p. 645.
Walker, Cassius M., Pueblo, Colo. Caterpillar-tractor. No. 1,279,619; Sept. 24; v. 254; p. 698.
Walker, Charles N., Jamestown, Colo. Headlight mechanism for automobiles. No. 1,271,395; July 2; v. 252; p. 179.
Walker, Charles V., Long Beach, Cal. Steam-boiler indicator and recorder. No. 1,279,187; Sept. 17; v. 254; p. 555.
Walker Chemical Company, The. (See Andrews, Chester E., assignor.)
Walker, Clinton L., Piedmont, Cal. Air-pump. No. 1,263,166; Apr. 16; v. 249; p. 674.
Walker Company, The. (See Flint, Albert H., assignor.)
Walker Company, The. (See Walker, Sheridan A., assignor.)
Walker, David C., Anaconda, Mont. Apparatus for precipitation. No. 1,281,443; Oct. 15; v. 255; p. 425.
Walker, Edward C., 3d, Brookline, Mass. Electrolytic production of perchloric acid. No. 1,271,633; July 9; v. 252; p. 279.
Walker, Edward E., *et al.* (See Cox, John W., assignor.)
Walker, Edward E., and J. W. Cox, Erie, Pa. Electric heating-furnace. No. 1,256,958; Feb. 19; v. 247; p. 617.
Walker, Edward E., and J. W. Cox, Erie, Pa. Method of heating. No. 1,256,959; Feb. 19; v. 247; p. 617.
Walker, Edwin L., Denver, Colo. Air-heater. No. 1,276,460; Aug. 20; v. 253; p. 649.
Walker, Edwin P., Monroe, Wash. Combination foldable box and table. No. 1,253,913; Jan. 15; v. 246; p. 780.
Walker, Emery L., assignor to Kieckhefer Box Company, Milwaukee, Wis. Package-sealing machine. No. 1,270,572; June 25; v. 251; p. 770.
Walker, Enos L., St. Louis, Mo. Wood fabric. No. 1,265,841; May 14; v. 250; p. 296.
Walker, Fletcher L., and H. G. Dittbenner, Minneapolis, Minn. Band-saw mill. No. 1,259,569; Mar. 19; v. 248; p. 537.
Walker, Fletcher L., and H. G. Dittbenner, Minneapolis, Minn. Upper saw-guide. No. 1,260,837; Mar. 26; v. 248; p. 937.
Walker, Frank, assignor to W. Llewellyn, Los Angeles, Cal. Automatic flush-tank. No. 1,271,813; July 9; v. 252; p. 328.
Walker, Frank O., assignor to Central Specialty Manufacturing Co., Chicago, Ill. Bath-room fixture. No. 1,252,207; Jan. 1; v. 246; p. 222.
Walker, Frederick G., Detroit, Mich. Universal joint. No. 1,285,488; Nov. 19; v. 256; p. 594.
Walker, Gaines M., St. Louis, Mo. Basket. No. 1,261,982; Apr. 9; v. 249; p. 311.
Walker, Gaines M., St. Louis, Mo. Basket. No. 1,272,324; July 9; v. 252; p. 475.

Alphabetical list of patentees—Continued.

Walker, George, San Francisco, Cal. Gas-heater. No. 1,282,998; Oct. 29; v. 255; p. 915.
Walker, George A., Bakerhill, Ala. Grain-coverer. No. 1,279,188; Sept. 17; v. 254; p. 556.
Walker, George I., Orange, assignor to Erving Paper Mills, Erving, Mass. Assembling and banding mechanism. No. 1,285,489; Nov. 19; v. 256; p. 594.
Walker, George M., assignor of one-half to H. A. Brassert, Chicago, Ill. Spare-wheel support. No. 1,251,713; Jan. 1; v. 246; p. 81.
Walker, Glenn J., assignor to Continental Motors Corporation, Detroit, Mich. Gage. No. 1,252,634; Jan. 8; v. 246; p. 379.
Walker, Harry M., Apalachicola, Fla. Swing. No. 1,286,848; Dec. 3; v. 257; p. 157.
Walker, Henry B. (See Kirley and Walker.)
Walker, Henry B., Lancaster, Ohio. Temper-screw for well-drilling. No. 1,252,866; Jan. 8; v. 246; p. 443.
Walker, Henry B., Lancaster, Ohio. Pump. No. 1,272,737; July 16; v. 252; p. 618.
Walker, Hugh L., Guelph, Ontario, Canada. Pattern-vibrator for molders. No. 1,266,890; May 21; v. 250; p. 617.
Walker, James. (See Conrad and Walker.)
Walker, James A. (See Hains, Rosier N., assignor.)
Walker, James W., Sioux City, Iowa. Staple-pliers. No. 1,265,842; May 14; v. 250; p. 296.
Walker, James W., Montreal, Quebec, Canada. Gas-generating and heating apparatus. No. 1,276,837; Aug. 27; v. 253; p. 787.
Walker, Jesse W. (See Loe, Syver, assignor.)
Walker, John B., Birmingham, Ala. Manufacture of ingot-molds. No. 1,262,718; Apr. 16; v. 249; p. 545.
Walker, John B., Birmingham, Ala. Making ingot-molds and like tubular castings. No. 1,262,719; Apr. 16; v. 249; p. 545.
Walker, John B., Birmingham, Ala. Molding apparatus. No. 1,262,720; Apr. 16; v. 249; p. 546.
Walker, John S., and S. N. Wilcox, Pittsburgh, Pa. Garage-heater. No. 1,284,830; Nov. 12; v. 256; p. 389.
Walker, John W. (See Thompson, Frank, assignor.)
Walker, Joseph A., Springfield, Ill. Coal-mine drill. No. 1,271,396; July 2; v. 252; p. 179.
Walker, Laurence G., Sutton, England. Illumination of gage or liquid-level glasses and the like. No. 1,289,581; Dec. 31; v. 257; p. 953.
Walker, Lucy A., Berkeley, Cal. Corset belt or girdle. No. 1,256,850; Feb. 19; v. 247; p. 584.
Walker, Malcolm, Langside, Glasgow, Scotland, assignor to Smith and Coventry Limited, Salford, England. Buffer and cushion for planing-machines and other machines having reciprocating parts. No. 1,263,970; Apr. 23; v. 249; p. 914.
Walker, Malcolm, Glasgow, Scotland, assignor to Smith and Coventry Limited, Salford, England. Driving and reversing apparatus. No. 1,286,162; Nov. 26; v. 256; p. 801.
Walker, Martha B., New Market, N. H. Book structure. No. 1,280,340; Oct. 1; v. 255; p. 63.
Walker, Miles, Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Apparatus for controlling commutating-field strength of double-commutator machines. No. 1,284,831; Nov. 12; v. 256; p. 389.
Walker, Raleigh W., and M. H. Hudson, Oldhams, Va. Tomato-scalding machine. No. 1,289,326; Dec. 31; v. 257; p. 890.
Walker, Robert J. (See Parsons, Walker, Cook, and Douglas.)
Walker, Robert P., assignor to The Neufeed Company, Asheville, N. C. Composition for and process of treating type-writer platens. No. 1,264,721; Apr. 30; v. 249; p. 1155.
Walker, Roy, Hardingsburg, Ky. Corn-knife. No. 1,279,047; Sept. 17; v. 254; p. 519.
Walker, Samuel, Jerome, Ariz. Wheeled scraper. No. 1,269,347; June 11; v. 251; p. 378.
Walker, Samuel, New York, N. Y. Mouthpiece-guard for smoking-pipes. No. 1,277,159; Aug. 27; v. 253; p. 875.
Walker, Samuel A. (See Finney and Walker.)
Walker, Sheridan A., Elmhurst, N. Y., assignor, by mesne assignments, to The Walker Company, Wilmington, Del. Shiftable car-seat. No. 1,252,747; Jan. 8; v. 246; p. 412.
Walker, Sheridan A., Elmhurst, N. Y., assignor, by mesne assignments, to The Walker Company, Wilmington, Del. Shifting mechanism for car-seats. No. 1,252,748; Jan. 8; v. 246; p. 412.
Walker, Thomas B., Austin, Tex. Process of and apparatus for hydrogenating fats, oils, waxes, and the like. No. 1,276,290; Aug. 20; v. 253; p. 600.
Walker, Willard R., Syracuse, N. Y. Dish-washer. No. 1,259,939; Mar. 19; v. 248; p. 645.
Walker, Willard R., assignor to Walker Brothers Company, Syracuse, N. Y. Mechanical dish-washer. No. 1,265,010; May 7; v. 250; p. 38.
Walker, Willard R., assignor to Walker Brothers Company, Syracuse, N. Y. Mechanical dish-washer. No. 1,265,843; May 14; v. 250; p. 296.
Walker, Willard R., assignor to Walker Brothers Company, Syracuse, N. Y. Culinary basket. No. 1,285,490; Nov. 19; v. 256; p. 594.
Walker, William F., Chicago, Ill. Seal-lock. No. 1,255,673; Feb. 5; v. 247; p. 162.
Walker, William H., Pine Bluff, Ark. Automatic release-key. No. 1,289,977; Dec. 31; v. 257; p. 1050.
Walker, William J., Lacrosse, Wash. Attachment for harvester-headers. No. 1,268,302; June 4; v. 251; p. 66.
Walker, William J., Sylvania, Ga. Boll-weevil destroyer. No. 1,271,397; July 2; v. 252; p. 180.
Walker, William L., New York, N. Y. Vault-light. No. 1,258,066; Mar. 5; v. 248; p. 34.
Walker, William L., New York, N. Y. Coupling. No. 1,284,163; Nov. 5; v. 256; p. 191.
Walker, William L., Portland, Me. Pen. No. 1,288,314; Dec. 17; v. 257; p. 591.
Walker, William M., Frisco, Tex. Reamer-drill for well-boring. No. 1,278,402; Sept. 10; v. 254; p. 315.
Walker, William O. (See Maxson and Walker.)
Walker, William W., assignor to MacAndrews & Forbes Company, Camden, N. J. Fire-extinguishing apparatus. No. 1,259,813; Mar. 19; v. 248; p. 606.
Walkos, Michael, Detroit, Mich. Cigarette. No. 1,265,557; May 7; v. 250; p. 186.
Walkup, Samuel T., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for power-operated mechanism. No. 1,270,994; July 2; v. 252; p. 69.
Walkup, Samuel T., New York, N. Y. Flower-press. No. 1,283,992; Nov. 5; v. 256; p. 145.
Wall, Arthur L., Boonville, N. C. Acetylene-gas generator. No. 1,268,650; June 4; v. 251; p. 166.
Wall, August A., Brooklyn, N. Y. Terminal clamp for coil-winding machines. No. 1,270,077; June 18; v. 251; p. 607.
Wall, Bert, Mason City, Iowa. Drawer-mounting. No. 1,252,867; Jan. 8; v. 246; p. 444.
Wall, Charles F., Philadelphia, Pa. Nose-grip for eye-glasses. No. 1,284,500; Nov. 12; v. 256; p. 306.
Wall, James P., Pittsburgh, Pa. Wheel for valves and the like. No. 1,272,738; July 16; v. 252; p. 618.
Wall, James P., Pittsburgh, Pa. Making hand-wheels for valves. No. 1,287,531; Dec. 10; v. 257; p. 365.
Wall, John D., Minneapolis, Minn. Timed egg-boiler. No. 1,277,158; Aug. 27; v. 253; p. 874.
Wall, John D., Minneapolis, Minn. Frame attachment for carpenters' squares. No. 1,282,999; Oct. 29; v. 255; p. 916.
Wall, John H., Bristol, R. I. Shoe-dipping machine. No. 1,282,503; Oct. 22; v. 255; p. 750.
Wall, Ormond E., Honolulu, Hawaii. Toy. No. 1,275,331; Aug. 13; v. 253; p. 303.
Wall, Robert C., Philadelphia, Pa. Wheel. No. 1,274,472; Aug. 6; v. 253; p. 38.
Wall, Willis F., Fort Mills, Corregidor, Philippine Islands. Soldering-iron. No. 1,277,793; Sept. 3; v. 254; p. 129.
Wallace, Barbara, executrix. (See Wallace, John S.)
Wallace, Benjamin B., Poughkeepsie, N. Y., assignor to Moline Plow Company. Wheel-plow. No. 1,269,138; June 11; v. 251; p. 319.
Wallace, Charles F., New York, and M. F. Tiernan, New Rochelle, N. Y. Differential-pressure device. No. 1,282,151; Oct. 22; v. 255; p. 655.
Wallace, Charles F., Tompkinsville, and M. F. Tiernan, New York, N. Y. Apparatus for purifying water or sewage. No. 1,283,993; Nov. 5; v. 256; p. 146.
Wallace, Charles F., Tompkinsville, and M. F. Tiernan, Jamaica, N. Y. Valve-packing. No. 1,283,994; Nov. 5; v. 256; p. 146.
Wallace, Charles F., and M. F. Tiernan, New York, N. Y. Apparatus for purifying water. No. 1,285,491; Nov. 19; v. 256; p. 594.
Wallace, Charles F., and M. F. Tiernan, New York, N. Y. Apparatus for and process of treating liquids with gases or purifying water. No. 1,285,492; Nov. 19; v. 256; p. 595.
Wallace, Charles F., New York, and M. F. Tiernan, New Rochelle, N. Y. Back-pressure valve. No. 1,285,493; Nov. 19; v. 256; p. 595.
Wallace, Charles F., New York, and M. F. Tiernan, New Rochelle, N. Y. Means for increasing the rate of solubility of gas in a liquid. No. 1,285,494; Nov. 19; v. 256; p. 596.
Wallace, Charles F., New York, and M. F. Tiernan, New Rochelle, N. Y. Hydraulic metering and measuring device. No. 1,285,495; Nov. 19; v. 256; p. 596.
Wallace, Charles F., New York, and M. F. Tiernan, New Rochelle, N. Y. Apparatus for applying gas to fluids. No. 1,285,496; Nov. 19; v. 256; p. 596.
Wallace, Charles F., Tompkinsville, and M. F. Tiernan, Jamaica, N. Y. Automatic valve-operating apparatus. No. 1,285,497; Nov. 19; v. 256; p. 596.
Wallace Coke, Oil and By-Products Company. (See Wallace, George W., assignor.)
Wallace, David A., Charles City, Iowa. Traction-wheel. No. 1,265,406; May 7; v. 250; p. 147.
Wallace, Duncan M., Glasgow, Scotland. Motor-control gear of motor-tractors. No. 1,282,334; Oct. 22; v. 255; p. 705.
Wallace, Edward C., *et al.* (See Darby, John, assignor.)

Wallace, Edwin C., West Roxbury, and S. C. Prescott, Brookline, assignors to The Bio-Chemic Fertilizer Company, Boston, Mass. Garbage disposal. No. 1,260,103; Mar. 19; v. 248; p. 691.
Wallace, Enos N., Kokomo, Ind. Railway-rail joint. No. 1,283,605; Nov. 5; v. 256; p. 43.
Wallace, Frederick L. (See Johnston, Browne, and Wallace.)
Wallace, George, High Holborn, London, England. Measuring and marking gage. No. 1,275,802; Aug. 13; v. 253; p. 434.
Wallace, George W., assignor, by mesne assignments, to Wallace Coke, Oil and By-Products Company, East St. Louis, Ill. Apparatus for recovering oil from oil-shale and other carbonaceous materials. No. 1,283,000; Oct. 29; v. 255; p. 916.
Wallace, George W., assignor, by mesne assignments, to Wallace Coke, Oil and By-Products Company, East St. Louis, Ill. Distilling carbonaceous materials. No. 1,283,001; Oct. 29; v. 255; p. 916.
Wallace, Halbert C. and J. I., Kansas City, Mo. Pneumatic-stacker hood. No. 1,254,868; Jan. 29; v. 246; p. 1107.
Wallace, Halbert C., Kansas City, Mo. Fertilizer-distributing mechanism. No. 1,275,332; Aug. 13; v. 253; p. 304.
Wallace, Harry B., St. Louis, Mo. Tire. No. 1,258,505; Mar. 5; v. 248; p. 161.
Wallace, Harry B., St. Louis, Mo. Making tires. No. 1,258,506; Mar. 5; v. 248; p. 161.
Walsh, Harry C. H., Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y. Gang die-press. No. 1,288,316; Dec. 17; v. 257; p. 591.
Wallace, Henry B. (See Patton and Wallace.)
Wallace, Henry P., Butler, Ga. Fender for fireplaces. No. 1,253,446; Jan. 15; v. 246; p. 649.
Wallace, Herbert, Springfield, assignor, by mesne assignments, to United States Machine Gun Company, Boston, Mass. Cartridge-shell extractor. No. 1,275,803; Aug. 13; v. 253; p. 434.
Wallace, Herbert A., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Contact-spring. No. 1,262,721; Apr. 16; v. 249; p. 546.
Wallace, Herbert A., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay. No. 1,285,498; Nov. 19; v. 256; p. 596.
Wallace, Howard H., Salt Lake City, Utah. Electrothermal robe. No. 1,278,530; Sept. 10; v. 254; p. 349.
Wallace, Jennie, Hyde Park, Mass. Rake. No. 1,277,509; Sept. 3; v. 254; p. 49.
Wallace, Jesse I. (See Wallace, Halbert C. and J. I.)
Wallace, John B., Mukwonago, Wis. Tire. No. 1,284,832; Nov. 12; v. 256; p. 389.
Wallace, John S., deceased; B. Wallace, executrix, Burlington, N. D. Power-transmitting device. No. 1,252,062; Jan. 1; v. 246; p. 183.
Wallace, Lewis R. (See Nevens, Wallace, and Marcy.)
Wallace, Lewis R., Waltham, Mass., assignor to Nevens-Wallace Train Control Company. Train-stop mechanism. No. 1,269,662; June 18; v. 251; p. 495.
Wallace, Samuel T., assignor of one-half to C. Kelly, San Francisco, Cal. Hydraulic hoist for trucks. No. 1,264,460; Apr. 30; v. 249; p. 1083.
Wallace, Sidney C., Chicago, Ill. Resilient wheel. No. 1,259,058; Mar. 12; v. 248; p. 362.
Wallace, Thomas, Wabash, Ind. Slide. No. 1,274,824; Aug. 6; v. 253; p. 137.
Wallace, Thomas F. (See Burtis, William H., assignor.)
Wallach, Roger N., Wappingers Falls, N. Y. Manufacture of phenol and allied products. No. 1,274,961; Aug. 6; v. 253; p. 176.
Wallbillich, Anthony F., Bridgeport, Conn., assignor to Autographic Recorder Company. Driving-gear for vehicle recording instruments. No. 1,278,531; Sept. 10; v. 254; p. 350.
Walle, Caroline, Berlin, N. D. Water-heater. No. 1,283,379; Oct. 29; v. 255; p. 1016.
Wallenkamp, Bernard, Highland, Wis. Fence-post. No. 1,261,076; Apr. 2; v. 249; p. 24.
Waller, Francis M., Stafford, England. Mechanical tractor for agricultural purposes. No. 1,274,473; Aug. 6; v. 253; p. 38.
Waller, George W., Hastings, Fla. Barrel-truck. No. 1,255,070; Jan. 29; v. 246; p. 1162.
Waller, Grover E., Laverne, Okla. Combined level, plumb, and gage. No. 1,261,658; Apr. 2; v. 249; p. 189.
Waller, Gustave F., Redwood City, Cal. Concrete-form. No. 1,273,699; July 23; v. 252; p. 904.
Waller, Warren E., Charles City, Iowa. Poultry-perch. No. 1,262,880; Apr. 16; v. 249; p. 591.
Wallerstedt, Charles F., St. Louis, Mo. Machine for rounding the edges of leather belts and the like. No. 1,266,891; May 21; v. 250; p. 617.
Walley, Kenneth M., Chicago, Ill. Electric controller. No. 1,267,483; May 28; v. 250; p. 808.
Wallick, George W., Sturgis, Mich. Wheel for tractors. No. 1,251,850; Jan. 1; v. 246; p. 124.
Wallin, Gustaf A. (See Anthony and Wallin.)
Wallin, Van A., Grand Rapids, Mich., and O. A. Heppes, La Grange, Ill. Waterproof composition and making such composition. No. 1,263,823; Apr. 23; v. 249; p. 872.
Wallin, Van A., Grand Rapids, Mich. Skinning animals. No. 1,265,407; May 7; v. 250; p. 147.
Walling, Edwin T., Seattle, Wash. Car-bolt seal. No. 1,259,686; Mar. 19; v. 248; p. 569.
Walling, Frederick J., Minneapolis, Minn. Hot-water boiler. No. 1,271,634; July 9; v. 252; p. 279.
Walling, Frederick J., Lomax, Ill. Pipe-fitting. No. 1,276,291; Aug. 20; v. 253; p. 601.
Walling, Frederick J., Lomax, Ill. Universal coupling. No. 1,285,849; Nov. 26; v. 256; p. 725.
Walls, Alexander G., assignor to Walter McGee & Son, Limited, Paisley, Scotland. Pump. No. 1,270,573; June 25; v. 251; p. 775.
Walls, Marion C., Clayton, Ind. Pump. No. 1,253,914; Jan. 15; v. 246; p. 780.
Walrow, Hans T., New York, N. Y. Folding cross. No. 1,254,553; Jan. 22; v. 246; p. 983.
Walser, Joseph J., Chicago, Ill., assignor to Goss Printing Press Company. Delivery mechanism for printing-presses. No. 1,279,796; Sept. 24; v. 254; p. 750.
Walser, Joseph J., and H. Fankboner, assignors to The Goss Printing Press Company, Chicago, Ill. Offset-web mechanism for printing-presses. No. 1,284,501; Nov. 12; v. 256; p. 306.
Walsh, Daniel, New York, N. Y. Splash-preventing device. No. 1,288,315; Dec. 17; v. 257; p. 591.
Walsh, Edward M., Maple Falls, Wash. Stamp-receiver. No. 1,261,077; Apr. 2; v. 249; p. 24.
Walsh, Edward T., Lyons, N. Y. Automatic means for setting train-brakes. No. 1,261,875; Apr. 9; v. 249; p. 282.
Walsh Harness Company. (See Walsh, James M., assignor.)
Walsh, James. (See Gunning, John, assignor.)
Walsh, James M., assignor to Walsh Harness Company, Milwaukee, Wis. Bridle. No. 1,280,910; Oct. 8; v. 255; p. 246.
Walsh, James M., assignor to Walsh Harness Company, Milwaukee, Wis. Blinder. No. 1,282,335; Oct. 22; v. 255; p. 705.
Walsh, James M., Stockbridge, assignor to Walsh Harness Company, Milwaukee, Wis. Cross-rein fastening. No. 1,285,499; Nov. 19; v. 256; p. 597.
Walsh, John T., Pittsburgh, Pa. Valve. No. 1,284,833; Nov. 12; v. 256; p. 390.
Walsh, Joseph F., Oakland Beach, R. I. Wrench. No. 1,263,167; Apr. 16; v. 249; p. 674.
Walsh, Lawrence C., Putnam, Conn. Sewing-machine. No. 1,278,063; Sept. 3; v. 254; p. 199.
Walsh, Louis. (See Walsh, Philip, assignor.)
Walsh, Martin J., New York, N. Y. Fire-extinguishing apparatus. No. 1,277,794; Sept. 3; v. 254; p. 129.
Walsh, Michael D. (See Butler, Stevens, and Walsh.)
Walsh, Philip, assignor of one-half to L. Walsh, Port Arthur, Ontario, Canada. Fish-scaler. No. 1,280,911; Oct. 8; v. 255; p. 247.
Walsh, Thomas P., Boston, Mass., assignor, by mesne assignments, to American Warp-Drawing Machine Company. Machine for selecting, spooling, shearing, and drawing in yarn for Axminster looms. No. 1,274,474; Aug. 6; v. 253; p. 39.
Walsh, Thomas P., Boston, Mass., assignor, by mesne assignments, to American Warp-Drawing Machine Company. Machine for selecting, spooling, shearing, and drawing in yarn for Axminster looms. No. 1,275,183; Aug. 6; v. 253; p. 238.
Walsh, Walter W., Wilkinsburg, Pa. Electric fuse. No. 1,275,110; Aug. 6; v. 253; p. 217.
Walsleben, Fred, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,255,828; Feb. 5; v. 247; p. 206.
Walsleben, Fred, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,262,604; Apr. 9; v. 249; p. 484.
Walstad, Taddeus C., Marmon, N. D. Machine for treating grain. No. 1,260,606; Mar. 26; v. 248; p. 872.
Walstead, Stanley G., Chicago, Ill. Machine for cutting butter or other substances. No. 1,288,771; Dec. 24; v. 257; p. 730.
Walter A. Wood Mowing & Reaping Machine Co. (See Smith, Ernest C., assignor.)
Walter, Ernest, Belleville, assignor to Verona Chemical Company, Newark, N. J. Device for rolling cylindrical bodies. No. 1,272,739; July 16; v. 252; p. 618.
Walter, Harrison B., Danville, Ill. Rolling deck and form for solid-end boxes. No. 1,253,754; Jan. 15; v. 246; p. 735.
Walter, Henry, *et al.* (See Meletti, Adolph, assignor.)
Walter, Henry, Sanders, Idaho. Caster. No. 1,268,651; June 4; v. 251; p. 166.
Walter, Henry C., assignor to The Locomobile Company of America, Bridgeport, Conn. Gearing. No. 1,286,849; Dec. 3; v. 257; p. 157.
Walter, Mathew, Easton, Pa. Target. No. 1,267,722; May 28; v. 250; p. 876.
Walter McGee & Son. (See Walls, Alexander G., assignor.)
Walter, Melchoir J. C., Lynn, Mass., and J. Maier, Newark, N. J. Leather-splitting machine. No. 1,264,232; Apr. 30; v. 249; p. 1020.

Walter, Otto, Jr., De Kalb, Ill. Roofing-tile machine. No. 1,252,208; Jan. 1; v. 246; p. 222.
Walter, Ralph, Hempstead, N. Y. Game apparatus. No. 1,256,400; Feb. 12; v. 247; p. 418.
Walter S. Newhall Company, The. (See Newhall, Walter S., assignor.)
Walter, Sylvester C., Malone, Wash. Steam washing-machine. No. 1,275,804; Aug. 13; v. 253; p. 435.
Walter, Will P., and D. G. McCurdy, Evanston, assignors, by mesne assignments, to Safety Anaesthesia Apparatus Concern, Chicago, Ill. Anesthetic-mask. No. 1,287,149; Dec. 10; v. 257; p. 273.
Walter, William P., Angola, Ind. Invalid-support. No. 1,254,554; Jan. 22; v. 246; p. 984.
Walters, Abram R., Alhambra, Cal. Visible-signal mechanism. No. 1,275,111; Aug. 6; v. 253; p. 217.
Walters, Anna G., Anaheim, and A. J. Casey, Los Angeles, Cal. Combination limb-support. No. 1,285,500; Nov. 19; v. 256; p. 597.
Walters, Edie C., Akron, Ohio. Vehicle-wheel rim. No. 1,286,163; Nov. 26; v. 256; p. 801.
Walters, Elmer, Eldorado, Kans. Hydrocarbon-burner. No. 1,289,327; Dec. 31; v. 257; p. 891.
Walters, Francis S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Commutator-slotter. No. 1,281,724; Oct. 15; v. 255; p. 498.
Walters, Homer, and W. P. Harper, Abilene, Kans.; said Harper assignor to said Walters. Silo-packer. No. 1,257,161; Feb. 19; v. 247; p. 675.
Walters, John F., Battle Creek, Mich. Wall-paper-cleaning device. No. 1,266,360; May 14; v. 250; p. 440.
Walters, Leonard E., Jim Falls, Wis. Controlling means for headlights. No. 1,261,659; Apr. 2; v. 249; p. 189.
Walters, Robert N., Avalon, Wis. Poultry trap-nest. No. 1,267,020; May 21; v. 250; p. 654.
Walters, William H., Altoona, Pa. Throttle-valve. No. 1,274,112; July 30; v. 252; p. 1057.
Waltham Watch Company. (See Asquith, Stead A., assignor.)
Waltham Watch Company. (See Ohlson, Olof, assignor.)
Waltham Watch Company. (See Tesla, Nikola, assignor.)
Walther, George, Dayton, Ohio. Cast-metal wheel. No. 1,283,995; Nov. 5; v. 256; p. 146.
Walther, George, Dayton, Ohio. Metal wheel. No. 1,287,150; Dec. 10; v. 257; p. 273.
Walther, George, Dayton, Ohio. Cushioned wheel. No. 1,287,802; Dec. 17; v. 257; p. 466.
Walther, Hans, Leverkusen, near Cologne, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Cotton material with white-effect threads and making it. No. 1,270,348; June 25; v. 251; p. 708.
Walton, Charles W., San Francisco, Cal. Hydrocarbon-fuel burner. No. 1,286,164; Nov. 26; v. 256; p. 801.
Walton, Clinton E., Livingston, Mont. Flash-lamp. No. 1,284,502; Nov. 12; v. 256; p. 306.
Walton, Horace A., Seattle, Wash. Packing-tie. No. 1,258,507; Mar. 5; v. 248; p. 162.
Walton, Isaac E. (See Harris, Frederick H., assignor.)
Walton, J. E. (See Cook, Charles F., assignor.)
Walton, James, Phoenicia, N. Y. Mine-picker. No. 1,252,518; Jan. 8; v. 246; p. 345.
Walton, James, Phoenicia, N. Y. Electric flasher. No. 1,268,652; June 4; v. 251; p. 166.
Walton, Jerrold F. (See Gage, Roy N., assignor.)
Walton, Jerrold F., Sturgis, Mich. Adjustable chair. No. 1,251,714; Jan. 1; v. 246; p. 81.
Walton, Jerrold F., Sturgis, Mich. Chair-back. No. 1,254,949; Jan. 29; v. 246; p. 1130.
Walton, Jerrold F., Sturgis, Mich. Chair-back. No. 1,254,950; Jan. 29; v. 246; p. 1130.
Walton, Jerrold F., Sturgis, Mich. Adjustable chair. No. 1,271,635; July 9; v. 252; p. 280.
Walton, Jerrold F., Sturgis, Mich. Adjustable chair. No. 1,271,636; July 9; v. 252; p. 281.
Walton, Jerrold F., Sturgis, Mich. Furniture. No. 1,271,637; July 9; v. 252; p. 281.
Walton, John, Erie, Pa. Gearing for locomotives. No. 1,252,519; Jan. 8; v. 246; p. 345.
Walton, Mary L., Bartow, Fla. Combined starch-remover and holder for irons. No. 1,263,971; Apr. 23; v. 249; p. 914.
Walton, Theophilus E., Waycross, Ga. Cotton-picking machine. No. 1,287,532; Dec. 10; v. 257; p. 366.
Waltz, Albert A., Orient, Ill. Grease-cup. No. 1,284,503; Nov. 12; v. 256; p. 307.
Waltz, Anton F., New York, N. Y. Toilet outfit. No. 1,267,941; May 28; v. 250; p. 939.
Waltz, Emil. (See Meyer and Waltz.)
Walvatne, John W., Sherman, S. D. Liquid-fuel burner. No. 1,267,942; May 28; v. 250; p. 939.
Walworth, Arthur C., Jr., Newton, Mass. Antiskid device for automobile and like tires. No. 1,282,336; Oct. 22; v. 255; p. 705.
Walworth Manufacturing Company. (See Little, Theodore W., assignor.)
Wamback, Frederick, Greenwich, Conn. Bottle-rack. No. 1,287,151; Dec. 10; v. 257; p. 273.
Wambaugh, Mahlon W., St. Louis, Mo. Rail-joint and track-fastener. No. 1,274,221; July 30; v. 252; p. 1088.
Wamelink, Eugene C., Cleveland, Ohio. Piano-player. No. 1,262,881; Apr. 16; v. 249; p. 591.
Wamsley, Wayne D., Lester, Pa., assignor to Lester Piano Company. Automatic piano. No. 1,261,329; Apr. 2; v. 249; p. 96.
Wamsley, Wayne D., Lester, Pa., assignor to Lester Piano Company. Automatic musical instrument. No. 1,275,509; Aug. 13; v. 253; p. 351.
Wanamaker, Charles B., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Xylophone-stand. No. 1,256,279; Feb. 12; v. 247; p. 381.
Wanamaker, Charles B., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Tensioning device for tympani. No. 1,269,984; June 18; v. 251; p. 583.
Wanamaker, Ernest. (See Mennie and Wanamaker.)
Wanat, John, Pittsburgh, Pa. Trolley. No. 1,257,556; Feb. 26; v. 247; p. 826.
Wanat, John, Pittsburgh, Pa. Swimming device. No. 1,268,303; June 4; v. 251; p. 67.
Wanders, Hans, Boston, Mass. Universal joint. No. 1,272,740; July 16; v. 252; p. 618.
Wanemaker, Louis W., Chicago, Ill., assignor to The Window Ventilator Company of America. Window-ventilator. No. 1,261,196; Apr. 2; v. 249; p. 58.
Wang, Chung Y., Hankow, China. Starring mixture for antimony-smelting. No. 1,284,164; Nov. 5; v. 256; p. 192.
Wangelin, Ernest E., assignor to Twentieth Century Brass Works, Belleville, Ill. Drinking-faucet. No. 1,278,403; Sept. 10; v. 254; p. 315.
Wanner, Albert, Jr., New York, N. Y. Manufacture of chair-seats. No. 1,251,715; Jan. 1; v. 246; p. 81.
Wanner, Albert, Jr., New York, N. Y. Joint. No. 1,251,716; Jan. 1; v. 246; p. 82.
Wanner, Albert, Jr., New York, N. Y. Seating appliance. No. 1,261,330; Apr. 2; v. 249; p. 97.
Wanner, Albert, Jr., New York, N. Y. Umbrella and similar stand. No. 1,268,190; June 4; v. 251; p. 33.
Wanner, Albert, Jr., New York, N. Y. Folding-leaf table. No. 1,274,475; Aug. 6; v. 253; p. 39.
Wanner, Albert, Jr., New York, N. Y. Chair-seat. No. 1,285,501; Nov. 19; v. 256; p. 597.
Wanner, Edwin P., New York, N. Y. Table, stand, and the like. No. 1,268,191; June 4; v. 251; p. 34.
Wantor, Albert, *et al.* (See Kasprzycki, Stanley, assignor.)
Wantz, Julius B., assignor, by mesne assignments, to Victor Electric Corporation, Chicago, Ill. Electric-circuit-controlling mechanism. No. 1,272,879; July 16; v. 252; p. 659.
Wantz, Julius B., assignor to Victor Electric Corporation, Chicago, Ill. Current-regulating apparatus. No. 1,286,850; Dec. 3; v. 257; p. 158.
Waples, Rufus, Wayne, Pa. Means for securing railway-rails to road-beds. No. 1,260,736; Mar. 26; v. 248; p. 909.
Wappler Electric Company. (See Fayer, Charles, assignor.)
Wappler Electric Company. (See Wappler, Reinhold H., assignor.)
Wappler, Reinhold H., New York, N. Y., assignor to Wappler Electric Company, Inc. Refracting stereoscope. No. 1,269,663; June 18; v. 251; p. 495.
Warburg, Julius, Brooklyn, N. Y. Scarf-fastener. No. 1,288,317; Dec. 17; v. 257; p. 591.
Warburton, Harry, and H., Wilmington, Del. Automatic air-gear-shifting device for automobiles. No. 1,284,834; Nov. 12; v. 256; p. 390.
Warburton, Herbert. (See Warburton, Harry and H.)
Ward, Adonnos T. (See Riddle, Abner B., assignor.)
Ward, Albert. (See Ward, Karl and A.)
Ward, Albert E., Palmer, Saskatchewan, Canada. Gearless differential. No. 1,254,180; Jan. 22; v. 246; p. 876.
Ward, Albert M., Rochester, N. Y. Signal. No. 1,283,002; Oct. 29; v. 255; p. 917.
Ward, Alexander L., New York, N. Y. Collapsible container. No. 1,272,430; July 23; v. 252; p. 832.
Ward, Allen E., Montgomery borough, Pa., assignor to American Wood Working Machinery Company, Rochester, N. Y. Roller feeding device. No. 1,284,835; Nov. 12; v. 256; p. 390.
Ward B. Story Company. (See Story, Ward B., assignor.)
Ward Baking Company. (See Kohman, Henry A., assignor.)
Ward Baking Company. (See Kohman, Hoffman, and Blake, assignors.)
Ward Baking Company. (See Ward and Maxim, assignors.)
Ward, Charles A., Mount Vernon, N. Y. Combined bumper, step, and dash. No. 1,284,504. Nov. 12; v. 256; p. 307.
Ward, Charles E., Charleston, W. Va. Water-tube steam-boiler. No. 1,262,145; Apr. 9; v. 249; p. 355.
Ward, Charles M., Cleveland, Ohio. Fluid-operated clutch. No. 1,254,951; Jan. 29; v. 246; p. 1130.
Ward, Frank D., New York, N. Y. Door-operating engine. No. 1,260,838; Mar. 26; v. 248; p. 937.
Ward, Frank D., New York, N. Y. Piston. No. 1,282,504; Oct. 22; v. 255; p. 751.
Ward, Frederick A., assignor to Gear Grinding Machine Company, Detroit, Mich. Grinding spline-shafts and other interrupted cylindrical bodies. No. 1,271,495; July 2; v. 252; p. 207.

Ward, Frederick A., Detroit, Mich., assignor to The Gear Grinding Machine Company. Splined shaft. No. 1,273,016; July 16; v. 252; p. 696.
Ward, John A., assignor of one-fourth to E. S. Campbell, one-fourth to W. A. Ridgeway, and one-fourth to H. Sorensen, Spokane, Wash. Electric ore-furnace. No. 1,252,635; Jan. 8; v. 246; p. 380.
Ward, John A., Philadelphia, Pa. Self loading and dumping auto-truck. No. 1,256,401; Feb. 12; v. 247; p. 418.
Ward, John C., Quincy, assignor to Winthrop Corporation, Boston, Mass. Hollow body of fibrous material. No. 1,264,351; Apr. 30; v. 249; p. 1051.
Ward, John S. (See Windridge, Frederick N., assignor.)
Ward, John T., Hardin, Ky. Automatic hose-coupling. No. 1,276,138; Aug. 20; v. 253; p. 559.
Wård, Karl and A., Stockholm, Sweden. Method and means for separating particles from a fluid by combined centrifugal and filtering action. No. 1,262,146; Apr. 9; v. 249; p. 355.
Ward, Louis M., Lincoln, Nebr. Agricultural machine. No. 1,273,205; July 23; v. 252; p. 773.
Ward, Marzy J., Unadilla, N. Y. Package-tie. No. 1,263,491; Apr. 23; v. 249; p. 784.
Ward, Otis W., Augusta, Ark. Back-band buckle. No. 1,279,797; Sept. 24; v. 254; p. 750.
Ward Pump Company. (See Milne, Robert, assignor.)
Ward, Samuel S., Vienna, S. D. Combination lock-switch. No. 1,260,607; Mar. 28; v. 248; p. 872.
Ward, Thomas J., Little Rock, Ark. Aeroplane. No. 1,283,996; Nov. 5; v. 256; p. 146.
Ward, Walter S., and A. Maxim, assignors to Ward Baking Company, New York, N. Y. Auxiliary air-supply device. No. 1,256,082; Feb. 12; v. 247; p. 322.
Ward, Wilbert R., Eldorado, Okla. Match-box holder for automobiles. No. 1,289,978; Dec. 31; v. 257; p. 1050.
Ward, William L., Saguache, Colo. Power-transmission mechanism. No. 1,252,209; Jan. 1; v. 246; p. 222.
Ward, William W., Dublin, Ga. Harrow and drag. No. 1,254,095; Jan. 22; v. 246; p. 852.
Wardall, Frank C., Boone, Iowa. Flag, pennant, and similar emblem. No. 1,260,104; Mar. 19; v. 248; p. 692.
Wardell, Fred. (See Stecker, Alfred J., assignor.)
Wardell, Henry R., New York, N. Y., assignor to H. W. Johns-Manville Company. Tile or paving-block. No. 1,281,444; Oct. 15; v. 255; p. 425.
Wardell, Henry R., Yonkers, N. Y., assignor to Central Commercial Company, Chicago, Ill. Manufacturing prepared roofing. No. 1,289,328; Dec. 31; v. 257; p. 891.
Wardell, Sarah A. E. (See Wardell, Winfield S., assignor.)
Wardell, William J., Brooklyn, assignor to American Can Company, New York, N. Y. Squirt-can. No. 1,279,487; Sept. 17; v. 254; p. 637.
Wardell, Winfield S., assignor to S. A. E. Wardell, Newark, N. J. Valve. No. 1,261,078; Apr. 2; v. 249; p. 25.
Warden, William F. (See Mitchella, Clyde B., assignor.)
Wardman, Hallock, Racine, Wis. Hacksaw-machine. No. 1,269,883; June 18; v. 251; p. 558.
Wardman, Hallock, assignor to J. M. Jones, Racine, Wis. Band-saw. No. 1,280,341; Oct. 1; v. 255; p. 63.
Wardwell Braiding Machine Company. (See Wardwell, Simon W., assignor.)
Wardwell, Charles J. A. (See Culbertson, E. Estay, assignor.)
Wardwell, Frank W., Jr., Cleveland, Ohio. Combined setting and filing machine. No. 1,289,329; Dec. 31; v. 257; p. 891.
Wardwell, Simon W., Providence, R. I., assignor to Wardwell Braiding Machine Company, Portland, Me. Supply-carrier for braiding or other textile machines. No. 1,265,146; May 7; v. 250; p. 77.
Ware, Howard T., El Paso, Tex. Adjustable support. No. 1,269,664; June 18; v. 251; p. 496.
Ware, Joseph G., Ryder, N. D. Pipe-cleaner. No. 1,256,402; Feb. 12; v. 247; p. 418.
Ware, William B., assignor of one-half to A. T. Madrá, Memphis, Tenn. Sampling-machine. No. 1,274,962; Aug. 6; v. 253; p. 176.
Warfield, Aaron N., London, Ontario, Canada. Car construction. No. 1,272,741; July 16; v. 252; p. 619.
Warfield, Aaron N., London, Ontario, Canada. Car construction. No. 1,274,113; July 30; v. 252; p. 1057.
Warfield, Gordon, Helena, Ark. Planter. No. 1,254,555; Jan. 22; v. 246; p. 984.
Warga, George, Hoboken, N. J. Puzzle. No. 1,269,233; June 11; v. 251; p. 347.
Warga, Kalman, Brooklyn, assignor to American Lithographic Company, New York, N. Y. Decorating glass surfaces. No. 1,283,606; Nov. 5; v. 256; p. 43.
Wargo, John, Jr., Trenton, N. J. Portable carousel. No. 1,276,292; Aug. 20; v. 253; p. 601.
Waring, Harry J., *et al.* (See Roach, William W., assignor.) (Reissue.)
Waring, Stewart, Evanston, assignor to Sears, Roebuck and Company, Chicago, Ill. Apparatus for trimming and marking wall-paper. No. 1,274,476; Aug. 6; v. 253; p. 39.
Waring, Walter W., Sterling, Kans. Pocket index-file. No. 1,272,155; July 9; v. 252; p. 427.
Warland Dual Rim Company Limited, The. (See Cope, Sidney H., assignor.)
Warkup, Herbert, Kingston, N. Y., assignor to J. S. Young & Company, Hanover, Pa. Vegetable dye and making same. No. 1,273,293; July 23; v. 252; p. 795.
Warman, John E., assignor of one-half to G. H. P. Lichthardt, Sacramento, Cal. Ozonizer. No. 1,257,053; Feb. 19; v. 247; p. 644.
Warman, William A., New York, N. Y., assignor to Keller Mechanical Engraving Company, Brooklyn, N. Y. Camera. No. 1,257,656; Feb. 26; v. 247; p. 855.
Warman, William A., assignor to Keller Mechanical Engraving Company, New York, N. Y. Slide-rule. No. 1,279,798; Sept. 24; v. 254; p. 750.
Warme, Iver F., Syracuse, N. Y., and J. C. Taliaferro, Baltimore, Md., assignors to Continental Can Company, Incorporated, Syracuse, N. Y. Filled-can-closing apparatus. No. 1,270,078; June 18; v. 251; p. 607.
Warme, Ivar F., and G. Fluck, assignors to Continental Can Company, Syracuse, N. Y. Can-end-feeding mechanism for closing-machines. No. 1,285,502; Nov. 19; v. 256; p. 597.
Warminski, Piotr, Baltimore, Md. Life-saving raft. No. 1,263,824; Apr. 23; v. 249; p. 872.
Warminski, Piotr, Baltimore, Md. Projectile and cannon. No. 1,269,884; June 18; v. 251; p. 559.
Warminski, Piotr, Baltimore, Md. Observation device. No. 1,269,885; June 18; v. 251; p. 559.
Warminski, Stanislaw, Baltimore, Md. Horseshoe. No. 1,273,294; July 23; v. 252; p. 795.
Warne, Frederick C., Mansfield, Ohio. Nut-lock. No. 1,272,584; July 16; v. 252; p. 573.
Warne, Frederick C., assignor to Roderick Lean Manufacturing Company, Mansfield, Ohio. Two-row cultivator. No. 1,252,749; Jan. 8; v. 246; p. 412.
Warne, Frederick C., assignor to Roderick Lean Manufacturing Company, Mansfield, Ohio. Cultivator. No. 1,259,940; Mar. 19; v. 248; p. 645.
Warne, Frederick C., assignor to Roderick Lean Manufacturing Company, Mansfield, Ohio. Cultivator-controlling device. No. 1,259,941; Mar. 19; v. 248; p. 646.
Warne, Henry C. (See Hutchison and Warne.)
Warne, Hillon B. (See Manning and Warne.)
Warne, John T., Burnaby, British Columbia, Canada. Lock. No. 1,274,477; Aug. 6; v. 253; p. 40.
Warner, Adna D., Mishawaka, Ind., assignor to Mishawaka Woolen Manufacturing Company. Last connection. No. 1,276,293; Aug. 20; v. 253; p. 601.
Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Grinding-disk. No. 1,269,762; June 18; v. 251; p. 523.
Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Safety-razor. No. 1,271,249; July 2; v. 252; p. 140.
Warner, Ami, Keene, N. Y. Self-propelled sled. No. 1,254,456; Jan. 22; v. 246; p. 955.
Warner, Arthur L., assignor to Williams, White & Company, Moline, Ill. Forming and rolling machine. No. 1,262,882; Apr. 16; v. 249; p. 591.
Warner, Arthur W. (See Carpenter and Warner.)
Warner, Arthur W., Sewickley, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Control mechanism for gas-generating apparatus. No. 1,270,472; June 25; v. 251; p. 742.
Warner Brothers Company, The. (See Warner, De Ver H., assignor.)
Warner, Carl C., and E. D. Paul, Haverhill, Mass. Grinding-machine. No. 1,255,962; Feb. 12; v. 247; p. 285.
Warner, Carl C., and E. D. Paul, Haverhill, Mass. Templet-scribe. No. 1,260,839; Mar. 26; v. 248; p. 937;
Warner, Charles, and I., Wilmington, Del. Hydrating dolomitic or magnesian lime. No. 1,284,505; Nov. 12; v. 256; p. 307.
Warner, Charles E., Nassau county, N. Y. Gaiter and puttee. No. 1,284,836; Nov. 12; v. 256; p. 390.
Warner, De Ver H., assignor to The Warner Brothers Company, Bridgeport, Conn. Corset. No. 1,277,160; Aug. 27; v. 253; p. 875.
Warner, Edward D., Pelham Manor, assignor to V. Prager, New York, N. Y. Water-motor. No. 1,279,799; Sept. 24; v. 254; p. 751.
Warner Elevator Mfg. Company, The. (See Brown, Alfred T., assignor.)
Warner Elevator Manufacturing Company, The. (See Shepard, Oscar F., assignor.)
Warner, Ethel G., Washington, D. C., assignor to J. Peterson, Brooklyn, N. Y. Plug-tobacco. No. 1,253,313; Jan. 15; v. 246; p. 606.
Warner, Frederick E., Bridgeport, Conn. Framing for automobiles. No. 1,263,168; Apr. 16; v. 249; p. 674.
Warner Gear Company. (See White, Samuel O., assignor.)
Warner, George M., Washington county, Minn. Safety device for skates. No. 1,253,314; Jan. 15; v. 246; p. 606.
Warner, Harvey J., Takoma Park, D. C., assignor to The U. S. Aviation and Auto Co., Denver, Colo. Internal-combustion engine. No. 1,263,972; Apr. 23; v. 249; p. 915.
Warner, Henry and J. G., Pine Grove, Pa. Nut-lock. No. 1,263,169; Apr. 16; v. 249; p. 675.
Warner, Irving. (See Warner, Charles and I.)
Warner, Jacob G. (See Warner, Henry and J. G.)
Warner, James H. (See McManus, Luis M., assignor.)

Warner, James L., Girard, Kans. Violin-piano. No. 1,265,147; May 7; v. 250; p. 77.
Warner Jewelry Case Company. (See Sundee, John R., assignor.)
Warner, John H., assignor to The Warner Spinner-Novelty Company, Dayton, Ohio. Combination ornament and heat-indicator for horseless vehicles. No. 1,269,234; June 11; v. 251; p. 347.
Warner Manufacturing Company. (See Cadman, Addi B., assignor.)
Warner, Richard, Osakis, Minn. Adjustable bolster. No. 1,260,489; Mar. 26; v. 248; p. 836.
Warner Spinner-Novelty Company, The. (See Warner, John H., assignor.)
Warner & Swasey Company, The. (See Fecker, Gottlieb L., assignor.)
Warner, Walter J., St. Louis, Mo. Water-heater. No. 1,256,851; Feb. 19; v. 247; p. 584.
Warner, Walter J., St. Louis, Mo. Water-heater. No. 1,256,852; Feb. 19; v. 247; p. 585.
Warner, Walter J., St. Louis, Mo. Water-heater. No. 1,256,853; Feb. 19; v. 247; p. 585.
Warner, William A., Spokane, Wash. Nut-lock. No. 1,286,457; Dec. 3; v. 257; p. 67.
Warner, William D., Dayton, Ohio. Aeroplane control. No. 1,283,607; Nov. 5; v. 256; p. 44.
Warnke, Fredrick L., Coopersville, Mich. Knife. No. 1,266,186; May 14; v. 250; p. 394.
Warnock, Robert, assignor to Empire Cream Separator Company, Bloomfield, N. J. Pulsator for milking-machines. No. 1,270,473; June 25; v. 251; p. 742.
Warr, Harold G., assignor to The P. & M. Co., Chicago, Ill. Rail-anchor. No. 1,254,634; Jan. 22; v. 246; p. 1006.
Warr, Harold G., assignor to The P. & M. Co., Chicago, Ill. Anticreeper. No. 1,260,608; Mar. 26; v. 248; p. 872.
Warr, Harold G., assignor to The P & M Company, Chicago, Ill. Rail-anchor. No. 1,274,825; Aug. 6; v. 253; p. 137.
Warr, Harold G., assignor to The P. & M. Co., Chicago, Ill. Tie-spacer fulcrum. No. 1,278,532; Sept. 10; v. 254; p. 350.
Warren, Ambrose G., Beverly, N. J. Dust-collector. No. 1,268,304; June 4; v. 251; p. 67.
Warren, Ambrose G., Philadelphia, Pa. Vibratory mechanism for dust-collectors. No. 1,286,458; Dec. 3; v. 257; p. 68.
Warren, Charles H., Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass. Filling-end-withdrawing means for weft-replenishing looms. No. 1,265,558; May 7; v. 250; p. 186.
Warren Clock Company. (See Warren, Henry E., assignor.)
Warren, Daniel T., Marietta, Okla. Automatic stock-guard. No. 1,287,533; Dec. 10; v. 257; p. 366.
Warren, Emmet J., Detroit, Mich. Odorless garbage-receptacle. No. 1,265,148; May 7; v. 250; p. 77.
Warren F. Fraser Co. (See Fraser, Warren F., assignor.)
Warren Featherbone Co., The. (See Cutler, Henry H., assignor.)
Warren Featherbone Company. (See Cooper, Simon, assignor.)
Warren, Frank D., assignor to The Cycle Supplies Company, Colorado Springs, Colo. Pedal for cycles. No. 1,276,139; Aug. 20; v. 253; p. 559.
Warren, Frank H., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Trimming-machine. No. 1,271,638; July 9; v. 252; p. 282.
Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company, Portland, Me. Mechanism for automatically operating timing mechanism. No. 1,251,946; Jan. 1; v. 246; p. 148.
Warren, Henry E., assignor to The Lombard Governor Company, Ashland, Mass. Electromagnetic actuator. No. 1,252,312; Jan. 1; v. 246; p. 251.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Motor-driven actuator. No. 1,262,575; Apr. 9; v. 249; p. 476.
Warren, Henry E., assignor to The Lombard Governor Company, Ashland, Mass. Fluid-operated lathe. No. 1,282,152; Oct. 22; v. 255; p. 655.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Apparatus for converting reciprocating motion into continuous rotary motion. No. 1,283,430; Oct. 29; v. 255; p. 1028.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Electric-clock system. No. 1,283,431; Oct. 29; v. 255; p. 1028.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Self-starting synchronous motor. No. 1,283,432; Oct. 29; v. 255; p. 1029.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Self-starting synchronous motor. No. 1,283,433; Oct. 29; v. 255; p. 1029.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Timing device. No. 1,283,434; Oct. 29; v. 255; p. 1029.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Self-starting synchronous motor. No. 1,283,435; Oct. 29; v. 255; p. 1030.
Warren, J. Burton. (See Miller, Louis W., assignor.)
Warren, James C., Emporia, Va. Recording mechanism. No. 1,255,250; Feb. 5; v. 247; p. 39.
Warren, James H., Baltimore, Md. Apparatus for separating materials. No. 1,274,114; July 30; v. 252; p. 1058.
Warren, John R., Grand Rapids, Mich. Internal-combustion engine. No. 1,278,533; Sept. 10; v. 254; p. 350.
Warren, John T., Lufkin, Tex. Plow. No. 1,282,661; Oct. 22; v. 255; p. 793.
Warren, John W., San Antonio, Tex. Mixer. No. 1,260,609; Mar. 26; v. 248; p. 872.
Warren, Levi B., Butternut, Mich. Cream-skimming device. No. 1,269,348; June 11; v. 251; p. 378.
Warren, Murrell C., and J. J. Krohn, Arcata, Cal. Attachment for barrel-windlassing machines. No. 1,260,490; Mar. 26; v. 248; p. 836.
Warren, Robert G., *et al.* (See Peris, Nicholas W., assignor.)
Warren, Robert M., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Governing device for magnetos. No. 1,261,079; Apr. 2; v. 249; p. 25.
Warren, Robert M., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Electric generator. No. 1,274,115; July 30; v. 252; p. 1058.
Warren, Robert Q., Bristol, Va. Wrench. No. 1,285,850; Nov. 26; v. 256; p. 725.
Warren Webster & Company. (See Fitts, James L., assignor.)
Warren Webster & Company. (See Jay, Edward G., Jr., assignor.)
Warren Webster & Company. (See Montreuil, Francis H., assignor.)
Warrick, F. G. (See Knudsen, Berney, assignor.)
Warrick, Thomas, Long Beach, Cal. Kelp-drier. No. 1,262,416; Apr. 9; v. 249; p. 431.
Warriner, Robert, assignor to Fore River Shipbuilding Corporation, Quincy, Mass. Gearing. No. 1,273,556; July 23; v. 252; p. 806.
Warriner, Robert, assignor to Bethlehem Shipbuilding Corporation, Quincy, Mass. Turbine-wheel. No. 1,279,800; Sept. 24; v. 254; p. 751.
Warriner, Robert, assignor to Bethlehem Shipbuilding Corporation, Quincy, Mass. Baffle-plate. No. 1,289,979; Dec. 31; v. 257; p. 1050.
Warshauer, Alexander, Cambridge, Mass. Double-breasted garment. No. 1,252,750; Jan. 8; v. 246; p. 413.
Warstler, Levi, Louisville, Ohio. Means for extracting chaff from ground coffee. No. 1,257,429; Feb. 26; v. 247; p. 787.
Warwick, Rogers M., and E. V. Nessling, assignors to General Wire Tie Company, Chicago, Ill. Feed device for machines for tying objects with wire. No. 1,268,305; June 4; v. 251; p. 67.
Warwick, Rogers M., assignor to General Wire Tie Co., Chicago, Ill. Bag-tying machine. No. 1,289,980; Dec. 31; v. 257; p. 1050.
Warwick Sterling Company. (See Gillan, Joseph D., assignor.)
Warwood, Joseph T. H., Wadsworth, Ohio. Kiln system. No. 1,264,722; Apr. 30; v. 249; p. 1155.
Waseige, Charles R., assignor to Société Des Automobiles Alda, Courbevoie, France. Centering method for shells. No. 1,285,503; Nov. 19; v. 256; p. 598.
Wasem, Jacob, deceased; M. Wasem, administratrix, Tower City, N. D. Corn-planter attachment. No. 1,256,083; Feb. 12; v. 247; p. 322.
Wasem, Mary, administratrix. (See Wasem, Jacob.)
Washburn, Alfred K., Providence, R. I. Lead and linotype-slug cutter. No. 1,263,492; Apr. 23; v. 249; p. 784.
Washburn, Alfred K., Providence, R. I. Space-measuring indicator. No. 1,263,493; Apr. 23; v. 249; p. 785.
Washburn, Edwin C., Englewood, N. J. Car-axle construction. No. 1,285,504; Nov. 19; v. 256; p. 598.
Washburn, Edwin C., Englewood, N. J. Axle construction. No. 1,289,582; Dec. 31; v. 257; p. 953.
Washburn, Frank S., Nashville, Tenn., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,256,619; Feb. 19; v. 247; p. 517.
Washburn, Florence C., Norwich, N. Y. Clothes-line cover. No. 1,287,535; Dec. 10; v. 257; p. 366.
Washburn, George S., Blairstown, Iowa. Tiltable vehicle. No. 1,285,851; Nov. 26; v. 256; p. 726.
Washburne, James V., Fulton, N. Y. Spring-roller. No. 1,278,404; Sept. 10; v. 254; p. 315.
Washburn, John H., Durkee, Oreg. Traction-wheel. No. 1,288,772; Dec. 24; v. 257; p. 730.
Washburn, John S., Suffern, N. Y. Grate. No. 1,271,398; July 2; v. 252; p. 180.
Washburn, M. Adelbert, Fairport, N. Y. Separating-machine. No. 1,255,963; Feb. 12; v. 247; p. 286.
Washburn, Paul. (See Gardner and Washburn.)
Washburn, Samuel D., Dorchester, Mass. Machine for making paper cups. No. 1,266,644; May 21; v. 250; p. 549.
Washburne, James V., Fulton, N. Y. Machine for opening envelops. No. 1,265,844; May 14; v. 250; p. 296.
Washburne, James V., Fulton, N. Y. Lubricating attachment. No. 1,267,610; May 28; v. 250; p. 845.

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Washburne, James V., Syracuse, N. Y. Combined tag and fastening-clip. No. 1,274,222; July 30; v. 252; p. 1089.
Washburne, William H., Chicago, Ill. Internal-combustion engine. No. 1,257,162; Feb. 19; v. 247; p. 675.
Washington, Elwood, Hammond, Ind. Aeroplane-plane. No. 1,288,318; Dec. 17; v. 257; p. 591.
Washington, George, Ann Arbor, Mich., assignor to O. S. Brumback, trustee, Toledo, Ohio. Pump. No. 1,258,835; Mar. 12; v. 248; p. 297.
Washington Machinery & Supply Company. (See Rawson, Harry H., assignor.)
Washington, Rufus G., Chicago, Ill. Folding table. No. 1,279,620; Sept. 24; v. 254; p. 698.
Wason, Georgi E., assignor of one-third to P. Wenger, Sault Ste. Marie, Ontario, Canada. Kitchen-stove. No. 1,275,510; Aug. 13; v. 253; p. 352.
Wassell, Clifford R., assignor to Conlon Electric Washer Company, Inc., Chicago, Ill. Electric heating element. No. 1,253,915; Jan. 15; v. 246; p. 780.
Wassell, Clifford R., assignor to himself, E. C. Jensen, Chicago, W. H. Winslow, River Forest, and C. A. Brown, Hinsdale, Ill. Oil-burner. No. 1,274,644; Aug. 6; v. 253; p. 87.
Wasserfallen, Charles F., assignor, by mesne assignments, to Detroit Tire Carrier Co., Detroit, Mich. Spare-tire carrier. No. 1,279,801; Sept. 24; v. 254; p. 751.
Wasson Engineering and Supply Company. (See Wasson, Frank A., assignor.)
Wasson, Frank A., Milwaukee, Wis., assignor to Wasson Engineering and Supply Company, Santa Rosa, Cal. Roller-bearing. No. 1,269,235; June 11; v. 251; p. 347.
Wasson, Robert B., Cranford, N. J. Machine for producing end clearance of piston-rings. No. 1,264,461; Apr. 30; v. 249; p. 1084.
Wasson, Robert B., Cranford, N. J. Making piston-rings. No. 1,264,462; Apr. 30; v. 249; p. 1084.
Waste Products Pulp Company. (See Sloan, Henry S., assignor.)
Wastie, Edward B., Billings, Mont. Advertising-display device. No. 1,269,024; June 11; v. 251; p. 287.
Wasylowich, Pankracy, Chelsea, Mass. Soldier's protector. No. 1,274,645; Aug. 6; v. 253; p. 88.
Waszkiewicz, Stanley, Passaic, N. J. Ball-caster. No. 1,279,048; Sept. 17; v. 254; p. 520.
Water Arch Furnace Co. (See Struve, John H., assignor.)
Waterbury Button Company. (See Vogelsang, Arthur, assignor.)
Waterbury Clock Co. (See Hall, Clifford H., assignor.)
Waterbury Clock Co. (See Horn, Ernest H., assignor.)
Waterbury Clock Co. (See Roberge, Joseph I., assignor.)
Waterbury Clock Co. (See Smith, William J., assignor.)
Waterbury Clock Co. (See Wehinger, Frederick, assignor.)
Waterbury, Emery D., Sawtelle, Cal. Weight and measurement indicator. No. 1,254,952; Jan. 29; v. 246; p. 1131.
Waterbury Farrel Foundry and Machine Company. (See Candee, Zenas P., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waterbury, James L., Springfield, Ill. Smoke-pot for naval use. No. 1,259,059; Mar. 12; v. 248; p. 362.
Waterbury Mfg. Co. (See Burt, William H., assignor.)
Waterbury Mfg. Co. (See Goetz, Henry F., assignor.)
Waterbury Mfg. Co. (See Kirschbaum, John, assignor.)
Waterbury Mfg. Co. (See Recker, Adolph C., assignor.)
Waterbury Mfg. Co. (See Smith, Frederic C., assignor.)
Waterbury Mfg. Co. (See Wooden, Albert E., assignor.)
Waterbury Mfg. Co. (See Zinno, Frank D., assignor.)
Waterbury Tool Company, The. (See Janney, Reynold, assignor.)
Waterbury Tool Company. (See Williams, Harvey D., assignor.)
Waterfield, Frank. (See Martell and Waterfield.)
Waterfield, John, Providence, assignor, by mesne assignments, to Shannock Narrow Fabric Company, Pawtucket, R. I. Knitted fabric. No. 1,276,294; Aug. 20; v. 253; p. 601.
Waterfield, John, Providence, assignor, by mesne assignments, to Shannock Narrow Fabric Company, Pawtucket, R. I. Knitting-machine. No. 1,285,505; Nov. 19; v. 256; p. 598.
Waterholter, Herman, Portland, Oreg. Hay and cotton trier. No. 1,270,349; June 25; v. 251; p. 708.
Waterhouse, Ezra P., assignor of one-half to Worcester Envelope Company, Worcester, Mass. Envelop-machine. No. 1,271,250; July 2; v. 252; p. 140.
Waterhouse, George H., assignor to W. K. Dana, Westbrook, Me. Nozzle for vacuum cotton-picking machines. No. 1,286,165; Nov. 26; v. 256; p. 802.
Waterhouse, Harold D., Wollaston, assignor to Copley Motor Devices Company, Boston, Mass. Primer for gasolene-engines. No. 1,265,011; May 7; v. 250; p. 39.
Waterhouse, Harvey M., assignor of one-half to A. G. Kimball, Hayden, Colo. Ditching-machine. No. 1,273,206; July 23; v. 252; p. 773.
Waterloo Cement Machinery Corporation. (See Ahlborn, Theodore, assignor.)
Waterloo Cement Machinery Corporation. (See Sieg, Walter R., assignor.)
Waterloo, John, Monongahela, assignor to Window Glass Machine Company, Pittsburgh, Pa. Apparatus for cutting glass. No. 1,259,687; Mar. 19; v. 248; p. 569.
Waterloo, John, Monongahela, assignor to Window Glass Machine Company, Pittsburgh, Pa. Sorting glass plates and pieces. No. 1,272,156; July 9; v. 252; p. 428.
Waterloo, John, Monongahela, assignor to Window Glass Machine Company, Pittsburgh, Pa. Apparatus for sorting glass plates and pieces. No. 1,272,157; July 9; v. 252; p. 428.
Waterloo, John, Monongahela, and George W. Klages, assignors to Window Glass Machine Company, Pittsburgh, Pa Glass-cutting apparatus. No. 1,272,158; July 9; v. 252; p. 428.
Waterloo, John, New Eagle, assignor to Window Glass Machine Company, Pittsburgh, Pa. Glass-cutting machine. No. 1,259,688; Mar. 19; v. 248; p. 569.
Waterloo, John, and O. Jacqmain, New Eagle, assignor to Window Glass Machine Company, Pittsburgh, Pa. Splitting or severing glass cylinders. No. 1,277,795; Sept. 3; v. 254; p. 129.
Waterman, Charles H., assignor of one-half to D. A. Gregory, Priest River, Idaho. Antislipping device for boots or shoes. No. 1,259,689; Mar. 19; v. 248; p. 570.
Waterman, Charles H., assignor of one-half to R. Waterman, Priest River, Idaho. Cycle merry-go-round. No. 1,261,197; Apr. 2; v. 249; p. 58.
Waterman, Ebenezer S., Walla Walla, Wash. Changeable-speed mechanism. No. 1,269,985; June 18; v. 251; p. 583.
Waterman, Fay L., Endicott, N. Y. Apparatus for separating suspended solids from liquids. No. 1,279,949; Sept. 24; v. 254; p. 794.
Waterman, Floyd, New Lisbon, Wis. Cam for internal-combustion engines. No. 1,280,912; Oct. 8; v. 255; p. 247.
Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Disk drill. No. 1,253,755; Jan. 15; v. 246; p. 735.
Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Two-way plow. No. 1,262,722; Apr. 16; v. 249; p. 546.
Waterman, Lewis E., Rockford, assignor to Emerson-Brantingham Company, Chicago, Ill. Planter. No. 1,275,333; Aug. 13; v. 253; p. 304.
Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Two-row cultivator. No. 1,279,049; Sept. 17; v. 254; p. 520.
Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Beam connection for cultivators. No. 1,285,506; Nov. 19; v. 256; p. 598.
Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Power-lift plow. No. 1,288,773; Dec. 24; v. 257; p. 730.
Waterman, Rosetta. (See Waterman, Charles H., assignor.)
Waterman, Samuel H., Seattle, Wash. Securing means for artificial limbs. No. 1,285,507; Nov. 19; v. 256; p. 599.
Waters, Edward T., Omaha, Nebr. Assembler-slide-controlling device for type-bar-casting machines. No. 1,273,962; July 30; v. 252; p. 1015.
Waters, Eric G., *et al.* (See Watson, John F., assignor.)
Waters, Farrell A. (See Keller and Waters.)
Waters, George H., Glenfield, N. Y. Non-clogging corn-harvester knife. No. 1,276,295; Aug. 20; v. 253; p. 602.
Waters, Henry C., Boston, Mass. Ruler. No. 1,255,251; Feb. 5; v. 247; p. 39.
Waters, Samuel S., Washington, D. C. Combined automatic musical instrument. No. 1,265,559; May 7; v. 250; p. 186.
Watford Engineering Works, The, *et al.* (See Paramor, John, assignor.)
Watkins, Alfred, Hereford, England. Predetermining the time necessary for the fermentation or rising of dough for bread and the like. No. 1,254,457; Jan. 22; v. 246; p. 955.
Watkins, Arthur G., Philadelphia, Pa., assignor, by mesne assignments, to The World's Cheapest Power Company of America, Inc. Water-power plant. No. 1,280,617; Oct. 1; v. 255; p. 139.
Watkins, Charles H., Cardiff, Wales. Sparking plug. No. 1,263,719; Apr. 23; v. 249; p. 844.
Watkins, Charles W., Dorranceton, Kingston, Pa. Car-replacer. No. 1,264,233; Apr. 30; v. 249; p. 1020.
Watkins, Charles W., Dorranceton, Pa. Automatic stop for mine-cars. No. 1,287,536; Dec. 10; v. 257; p. 366.
Watkins, Edmond M., New York, N. Y. Base-ball game apparatus. No. 1,269,886; June 18; v. 251; p. 559.
Watkins, Edward G., Gardner, Mass., assignor to Heywood Brothers and Wakefield Company. Chair. No. 1,270,350; June 25; v. 251; p. 708.
Watkins, Edward G., and C. A. Brown, assignors to Heywood Brothers and Wakefield Company, Gardner, Mass. Combined school desk and chair. No. 1,282,337; Oct. 22; v. 255; p. 706.
Watkins, Ernest, La Fayette, Ind. Music-leaf turner. No. 1,269,349; June 11; v. 251; p. 378.
Watkins, Harvey L., Philadelphia, Pa. Game. No. 1,275,805; Aug. 13; v. 253; p. 435.
Watkins, Leigh, El Paso, Tex. Trailer. No. 1,276,598; Aug. 20; v. 253; p. 686.

Watkins, Orla H., Kenosha, Wis., assignor to H. Richardson, Chicago, Ill. Wire fabric. No. 1,253,652; Jan. 15; v. 246; p. 705.
Watkins, Orla H., Clinton, Iowa, assignor to Globe Manufacturing Company, Perry, Iowa. Washing-machine. No. 1,281,725; Oct. 15; v. 255; p. 498.
Watkins, Orla H., Clinton, Iowa. Operating mechanism for wringers. No. 1,289,330; Dec. 31; v. 257; p. 891.
Watkins, Percy G., Ventura, Cal. Wrench. No. 1,284,506; Nov. 12; v. 256; p. 307.
Watkins, Thomas C., Ingram, assignor of one-third to T. A. Sprague, Bellevue, and one-third to C. M. McFarland, Ingram, Pa. Vehicle-tire. No. 1,251,717; Jan. 1; v. 246; p. 82.
Watling, Thomas W. B., Chicago, Ill. Coin-controlled weighing-scale. No. 1,289,060; Dec. 24; v. 257; p. 799.
Watkins, William E., New York, N. Y., assignor to The Metals Plating Company. Plating ferrous metals. No. 1,256,084; Feb. 12; v. 247; p. 322.
Watrous, Earl G., Chicago, Ill. Flushing-valve. No. 1,254,869; Jan. 29; v. 246; p. 1108.
Watrous, Earl G., Chicago, Ill. Automatic supply-valve. No. 1,270,901; July 2; v. 252; p. 42.
Watrous, Earl G., Chicago, Ill. Water-closet system for railway-cars. No. 1,270,902; July 2; v. 252; p. 42.
Watrous, Earl G., Chicago, Ill. Lavatory-fixture. No. 1,274,646; Aug. 6; v. 253; p. 88.
Watrous, William R., assignor to C. J. Bates & Son, Chester, Conn. Manufacture of manicure-scissors. No. 1,285,852; Nov. 26; v. 256; p. 726.
Watson, Charles A., Pittsburgh, Pa. Photographic-printing machine. No. 1,284,507; Nov. 12; v. 256; p. 308.
Watson, Charles R., New York, N. Y. Undergarment and producing same. No. 1,258.836; Mar. 12; v. 248; p. 297.
Watson, Clyde J. (See Barber, George W., assignor.)
Watson, Eddie S., Battle Creek, Mich. Fishing apparatus. No. 1,284,508; Nov. 12; v. 256; p. 309.
Watson, Edward B., Toledo, Ohio. Ventilating-cover for cans. No. 1,279,802; Sept. 24; v. 254; p. 751.
Watson, Elmer E., Hamilton, Ohio. Interchangeable-key lock. No. 1,268,900; June 11; v. 251; p. 253.
Watson, Frank R., Baltimore, Md. Stove-cover. No. 1,273,700; July 23; v. 252; p. 904.
Watson, George, London, England. Refuse-destructor. No. 1,270,574; June 25; v. 251; p. 771.
Watson, George F., Rockland, Me. Light-support. No. 1,279,803; Sept. 24; v. 254; p. 752.
Watson, George R., Waterloo, Iowa. Well-drilling machine. No. 1,288,319; Dec. 17; v. 257; p. 592.
Watson, Harold L. (See Davis, Howard L., assignor.)
Watson, Harry W., assignor of one-half to W. A. Bell, Memphis, Tenn. Spring-wheel. No. 1,281,726; Oct. 15; v. 255; p. 499.
Watson, Henry G., assignor to Murphy Iron Works, Detroit, Mich. Clinker-bar. No. 1,278,405; Sept. 10; v. 254; p. 316.
Watson, Hugh W., Grand Island, Nebr. Hay-sweep. No. 1,255,365; Feb. 5; v. 247; p. 72.
Watson, Hugh W., assignor of one-sixth to S. Shindo and one-sixth to G. F. Tanner, Grand Island, Nebr. Cement-post mold. No. 1,260,105; Mar. 19; v. 248; p. 692.
Watson, James, Marinette, Wis. Flat stove. No. 1,282,153; Oct. 22; v. 255; p. 656.
Watson, James, Youghal, Ireland, assignor of one-half to W. Delacour, Oakland, Cal. Utilizing sheet-glass for surface decoration. No. 1,279,050; Sept. 17; v. 254; p. 520.
Watson, John F., Blackheath, assignor to himself, E. G. Waters, Sussex, and Callender's Cable & Construction Company Limited, London, England. Protective arrangement for electrical systems. No. 1,256,960; Feb. 19; v. 247; p. 618.
Watson, John W., Wayne, Pa. Multiple-connecting-rod assembly. No. 1,286,851; Dec. 3; v. 257; p. 158.
Watson, John W., Wayne, Pa. Multiple-connecting-rod assembly. No. 1,286,852; Dec. 3; v. 257; p. 158.
Watson, Joseph D., Chicago, Ill. Signal apparatus. No. 1,282,662; Oct. 22; v. 255; p. 794.
Watson, Leonard A., assignor to The Safety Car Heating and Lighting Co., New York, N. Y. Car-lighting system. No. 1,283.380; Oct. 29; v. 255; p. 1016.
Watson, Thomas R., Monterey, Cal. Box-strapping machine. No. 1,265,560; May 7; v. 250; p. 187.
Watson, Thomas S., Milwaukee, Wis. Hoisting-tower. No. 1,284,837; Nov. 12; v. 256; p. 390.
Watson Wagon Company. (See Keesler, Clyde C., assignor.)
Watson, William, Trenton, N. J., assignor to R. H. Rosenfeld, trustee, Cleveland, Ohio. Micrometer-gage. No. 1,283,997; Nov. 5; v. 256; p. 146.
Watson, William A., Malden, Mass. Metal player. No. 1,269,763; June 18; v. 251; p. 524.
Watson, William A., Malden, Mass. Note-sheet-controlling brake. No. 1,280,598; Oct. 1; v. 255; p. 134.
Watson, William T., Vancouver, British Columbia, Canada. Wheel for toys. No. 1,267,724; May 28; v. 250; p. 876.
Watson, William W. (See Otto, Watson, Anderson, and Underwood.)
Watson, William W., Jamestown, N. Y. Metallic roller. No. 1,287,152; Dec. 10; v. 257; p. 274.
Watson, Winfield S., Cleveland, Ohio. Wheel-rim. No. 1,259,814; Mar. 19; v. 248; p. 607.
Watt, James M., Latrobe, Pa. Shade-roller holder. No. 1,278,534; Sept. 10; v. 254; p. 351.
Watt, Walter W. (See Fite, Cephas V., assignor.)
Wattenscheidt, Christopher R., *et al.* (See Henderson, Albert H., assignor.)
Watters, George M., Minneapolis, Minn. Sanding-machine. No. 1,271,639; July 9; v. 252; p. 282.
Watters, George M., Minneapolis, Minn. Vapor attachment for explosive-engines. No. 1,277,796; Sept. 3; v. 254; p. 130.
Watterson, Wilfred W. (See Hill, Frank R., assignor.)
Wattleworth, Charles, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Interlocking mold. No. 1,285,853; Nov. 26; v. 256; p. 726.
Wattleworth, Charles W., Akron, Ohio, assignor to The Goodyear Tire & Rubber Company. Core for tires and tire-carcasses. No. 1,283,998; Nov. 5; v. 256; p. 147.
Wattmann, John. (See Jansen and Wattmann.)
Watts, Alfred I., Oxton, Birkenhead, England. Shop and warehouse fixture for storing goods. No. 1,285,854; Nov. 26; v. 256; p. 726.
Watts, Arthur, Bellingham, Wash. Stump-burner. No. 1,276,140; Aug. 20; v. 253; p. 559.
Watts, Ben, assignor of forty-nine one-hundredths to W. P. Godfrey, Jarbidge, Nev. Pipe-wrench. No. 1,275,334; Aug. 13; v. 253; p. 304.
Watts, Daniel J., Iron River, Mich. Powder-punch and fuse-holder. No. 1,251,718; Jan. 1; v. 246; p. 82.
Watts, Frank E., Detroit, Mich., assignor to Hupp Motor Car Corporation, Richmond, Va. Universal-joint assembly. No. 1,273,963; July 30; v. 252; p. 1016.
Watts, Frank E., Detroit, Mich., assignor to Hupp Motor Car Corporation, Richmond, Va. Automatic temperature-control device for fluid-circulating systems. No. 1,287,534; Dec. 10; v. 257; p. 366.
Watts, George W., Hot Springs, Ark. Spring-wheel. No. 1,256.403; Feb. 12; v. 247; p. 418.
Watts, George W., Peoria, Ill. Nut-lock. No. 1,259,177; Mar. 12; v. 248; p. 395.
Watts, Harry J., Turtle Creek, Pa. Nut-lock. No. 1,256,085; Feb. 12; v. 247; p. 322.
Watts, Howard W., Bloomsburg, Pa. Fly-trap. No. 1,275,112; Aug. 6; v. 253; p. 218.
Watts, James M., Los Angeles, Cal. Spark-plug. No. 1,255,252; Feb. 5; v. 247; p. 39.
Watts, Jay G., Crichton, La. Door-operating means. No. 1,256,404; Feb. 12; v. 247; p. 419.
Watts, John A., Milford, Pa. Silent policeman. No. 1,267,021; May 21; v. 250; p. 654.
Watts, John H., and F. D. Brown, assignors to E. J. List, Havana, Ill. Shaft-log. No. 1,270,244; June 18; v. 251; p. 652.
Watts, Julius R., Atlanta, Ga. Book-mark. No. 1,269,025; June 11; v. 251; p. 288.
Watts, Oscar J., Kensington, Kans. Compound tool. No. 1,277,797; Sept. 3; v. 254; p. 130.
Wattson, Osbourn, *et al.* (See Davis, Claude B., assignor.)
Waugh Draft Gear Company. (See Davidson, Arthur C., assignor.)
Waugh, James M., Chicago, Ill. Car construction. No. 1,262,572; Apr. 9; v. 249; p. 475.
Waugh, Johnson S., Shepard, Ohio. Freight-car door. No. 1,273,017; July 16; v. 252; p. 696.
Waugh, Julia N., San Antonio, Tex. Camp bedding-roll. No. 1,263,825; Apr. 23; v. 249; p. 873.
Waugh, William P., Sewickley, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Glazing construction. No. 1,280,913; Oct. 8; v. 255; p. 247.
Waukesha Motor Company. (See Mackie and Fisher, assignors.)
Waxbom, Carl J. E., Westerville, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining apparatus. No. 1,267,943; May 28; v. 250; p. 939.
Waxbom, Carl J. E., Westerville, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining apparatus. No. 1,276,141; Aug. 20; v. 253; p. 559.
Waxbom, Carl J. E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine truck. No. 1,276,142; Aug. 20; v. 253; p. 560.
Way, Alfred F., Charlotte, Mich. Ash-pan. No. 1,275,335; Aug. 13; v. 253; p. 304.
Way, Robert R., and T. F. Mason, Webb City, Mo. Belter. No. 1,273,701; July 23; v. 252; p. 904.
Waybright, Charles S., Staunton, Va. Hog-yoke. No. 1.258,508; Mar. 5; v. 248; p. 162.
Wayditch, Aloys, New York, N. Y. Kinetoscope for projecting stereoscopic moving pictures. No. 1,276,838; Aug. 27; v. 253; p. 788.
Wayman, Albert J., assignor to The Efficiency Electric Company, East Palestine, Ohio. Pipe-hanger. No. 1,255,674; Feb. 5; v. 247; p. 162.
Wayman, Clarence O., Logan, Utah. Beet-harvester. No. 1,259,178; Mar. 12; v. 248; p. 396.
Wayne, Herbert N., Los Angeles, Cal. Tire. No. 1,266,351; May 14; v. 250; p. 440.
Wayne Manufacturing Company. (See Sargent, William H., assignor.)
Wayne Oil Tank and Pump Company. (See Baker, Linnaeus E., assignor.)

Wayne Oil Tank and Pump Company. (See Heath, Almon D., assignor.)
Wayte, Walter J., New York, N. Y. Apparatus for concentrating solutions. No. 1,258,168; Mar. 5; v. 248; p. 64.
Weagant, Roy A., Roselle, N. J., assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Wireless signaling apparatus. No. 1,252,520; Jan. 8; v. 246; p. 346.
Weagant, Roy A., Roselle Park, N. J., assignor to Marconi Wireless Telegraph Company of America. Receiver of electrical oscillations. No. 1,257,657; Feb. 26; v. 247; p. 856.
Weagant, Roy A., Roselle, N. J., assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Method and apparatus for radiosignaling. No. 1,273,431; July 23; v. 252; p. 832.
Weagant, Roy A., Roselle, N. J., assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Wireless signaling apparatus. No. 1,278,535; Sept. 10; v. 254; p. 351.
Weagant, Roy A., Roselle, N. J., assignor to Marconi Wireless Telegraph Co. of America, New York, N. Y. Wireless signaling apparatus. No. 1,289,981; Dec. 31; v. 257; p. 1051.
Weakley, Raymond D., assignor to H. S. Gardner, trustee, St. Louis, Mo. Theater-chair. No. 1,257,557; Feb. 26; v. 247; p. 826.
Weakley, Raymond D., U. S. Army, assignor to H. S. Gardner, St. Louis, Mo. Theater-chair. No. 1,283,999; Nov. 5; v. 256; p. 147.
Weare, Nettie A., Lowell, Ariz. Mirror-adjuster. No. 1,260,106; Mar. 19; v. 248; p. 692.
Weaser, William H., Pittsfield, Mass. Attachment for phonographs. No. 1,275,635; Aug. 13; v. 253; p. 387.
Weather-Proof Watering Trough and Tank Mfg. Co. (See Enholm, Hilmer N., assignor.)
Weatherford, Joseph H., Memphis, Tenn. Sanitary chair. No. 1,252,751; Jan. 8; v. 246; p. 413.
Weatherill, Henry G., Elgin, Ill. Attachment for vises. No. 1,275,336; Aug. 13; v. 253; p. 305.
Weatherly, George W. (See Bruckman, Frederick A., assignor.) (Reissue.)
Weatherwax, Charles W. (See Prucha and Weatherwax.)
Weaver, A. S. (See Homrighausen, William F., assignor.)
Weaver, Amandus, Philadelphia, Pa. Fruit-gathering bag. No. 1,288,320; Dec. 17; v. 257; p. 592.
Weaver, Amos B., Flatwillow, Mont. Motor. No. 1,286,853; Dec. 3; v. 257; p. 158.
Weaver, Bent L., Harrisburg, Pa. Machine for casting stepped splice-bars. No. 1,281,237; Oct. 8; v. 255; p. 336.
Weaver, Christopher C., Cleveland, Ohio. Water-heater. No. 1,285,855; Nov. 26; v. 256; p. 727.
Weaver, Clayton B., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Machine for stamping sheet-metal shrouds for automobile-bodies. No. 1,284,838; Nov. 12; v. 256; p. 391.
Weaver Company. (See Weaver, Victor M., assignor.)
Weaver, Courtland W., Toronto, Ontario, Canada. Electric-wire coupling. No. 1,257,054; Feb. 19; v. 247; p. 645.
Weaver, E. J., *et al.* (See Dougherty, Everett M., assignor.)
Weaver, Ezra L., assignor of one-half to G. J. Madden, Toledo, Ohio. Brake mechanism for vehicles. No. 1,276,296; Aug. 20; v. 253; p. 602.
Weaver, Fred T., Frackville, Pa. Handsaw. No. 1,287,537; Dec. 10; v. 257; p. 367.
Weaver, Frederick F., Cheney, Wash. Weed-cutter. No. 1,288,321; Dec. 17; v. 257; p. 592.
Weaver, Homer E., Knox, Pa. Rope-cutting device. No. 1,265,561; May 7; v. 250; p. 187.
Weaver, Ira A., Wichita, Kans. Auto signal and tail light. No. 1,281,727; Oct. 15; v. 255; p. 499.
Weaver, Ira A., assignor to The Weaver Manufacturing Company, Springfield, Ill. Hoist. No. 1,259,942; Mar. 19; v. 248; p. 646.
Weaver, Ira A., assignor to The Weaver Manufacturing Company, Springfield, Ill. Bucket-pump. No. 1,268,518; June 4; v. 251; p. 127.
Weaver, James J., Galveston, Tex. Hinge construction. No. 1,269,764; June 18; v. 251; p. 524.
Weaver, Jesse T., Jackson, Mich. Automobile-signal. No. 1,268,519; June 4; v. 251; p. 128.
Weaver, John H., Auckland, New Zealand. Counterspring for vehicles. No. 1,281,445; Oct. 15; v. 255; p. 426.
Weaver, John W., Detroit, Mich., assignor of one-half to B. A. Lynch, Washington, D. C. Air-valve for gasolene-engines. No. 1,252,972; Jan. 8; v. 246; p. 477.
Weaver, Joseph B., assignor to Engineering Products Corporation, Newport News, Va. Gripping and alining head for holding turbine-blades while milling. No. 1,271,399; July 2; v. 252; p. 180.
Weaver, Lucius E., assignor to Summit Thread Company, East Hampton, Conn. Bobbin for sewing-machine shuttles. No. 1,278,262; Sept. 10; v. 254; p. 279.
Weaver Manufacturing Company, The. (See Weaver, Ira A., assignor.)
Weaver, Marion C., Bushnell, Ill. Trough. No. 1,252,521; Jan. 8; v. 246; p. 346.
Weaver, Robert B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Worm-drive rear axle. No. 1,268,192; June 4; v. 251; p. 34.
Weaver, Robert R., assignor to The Ralston Steel Car Company, Columbus, Ohio. Drop-door-operating mechanism. No. 1,263,007; Apr. 16; v. 249; p. 627.
Weaver, Robert R., assignor of one-half to J. S. Ralston, Columbus, Ohio. Valved outlet means for tank-cars. No. 1,278,813; Sept. 10; v. 254; p. 426.
Weaver, Samuel W., Hubbard, Oreg. Carbureter. No. 1,281,446; Oct. 15; v. 255; p. 426.
Weaver, Thomas J., Lily, Colo. Dirigible-lamp mechanism. No. 1,285,508; Nov. 19; v. 256; p. 599.
Weaver, Truman B., assignor to Crown Willamette Paper Company, San Francisco, Cal. Protecting end member for paper-rolls. No. 1,260,491; Mar. 26; v. 248; p. 836.
Weaver, Victor M., Harrisburg, Pa., assignor to Weaver Company. Process of purification. No. 1,269,236; June 11; v. 251; p. 348.
Weaver, Walter F. (See Weaver, Willard J. and W. F.)
Weaver, Willard J. and W. F., Sterling, Ill. Four-wheel-drive tractor. No. 1,263,973; Apr. 23; v. 249; p. 915.
Weaver, William A., assignor to Bernstein Manufacturing Company, Philadelphia, Pa. Folding bedstead. No. 1,253,549; Jan. 15; v. 246; p. 676.
Webb Brothers Belting Company. (See Webb, George W., assignor.)
Webb Brothers Belting Company. (See Webb, George W. and J. A., assignors.)
Webb, Charles M., Los Angeles, Cal. Vehicle-seat. No. 1,280,599; Oct. 1; v. 255; p. 135.
Weber Chimney Company, The. (See Woodworth, Charles P., assignor.)
Webb, Edward C., Rifle, Colo. Stirrup-strap clip. No. 1,279,051; Sept. 17; v. 254; p. 520.
Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Side bearing for cars. No. 1,284,839; Nov. 12; v. 256; p. 391.
Webb, Edwin W., and N. C. Thalheimer, assignors to Standard Car Truck Company, Chicago, Ill. Side bearing for cars. No. 1,284,840; Nov. 12; v. 256; p. 391.
Webb, Ellen M. H., New York, N. Y. Convertible garment. No. 1,267,944; May 28; v. 250; p. 940.
Webb, Frank I., McKeesport, Pa. Air-generator. No. 1,274,478; Aug. 6; v. 253; p. 40.
Webb, Fenner H., Los Angeles, Cal., assignor to W. R. Hearst, New York, N. Y. Machine for forming fudge-blocks. No. 1,268,520; June 4; v. 251; p. 128.
Webb, George R. (See Gilbert, Lewis R., assignor.)
Webb, George W., Johnson county, Kans., assignor to Webb Brothers Belting Company, Kansas City, Mo. Belt. No. 1,258,067; Mar. 5; v. 248; p. 34.
Webb, George W. and J. A., Johnson county, Kans., assignors to Webb Brothers Belting Company, Kansas City, Mo. Belt-fastener. No. 1,258,281; Mar. 5; v. 248; p. 96.
Webb, Harry A., Hamden, Conn. Pneumatic automobile-tire. No. 1,273,964; July 30; v. 252; p. 1016.
Webb, Harry W. (See Holley and Webb.)
Webb, Henry R., Jr., East Orange, assignor of one-half to L. F. George and one-fourth to M. Steigler, Newark, N. J. Ratchet-wrench. No. 1,258,381; Mar. 5; v. 248; p. 125.
Webb, Henry R., Jr., East Orange, assignor of one-half to L. F. George and one-fourth to M. Steigler, Newark, N. J. Springless ratchet-wrench. No. 1,258,382; Mar. 5; v. 248; p. 125.
Webb, Isaac H., Brookville, Pa. Combination-barrel for sweeping compounds. No. 1,261,660; Apr. 2; v. 249; p. 189.
Webb, James, and F. M. Collins, Camp Verde, Ariz. Ball-bearing knuckle for automobile front axles. No. 1,267,150; May 21; v. 250; p. 691.
Webb, James A. (See Webb, George W. and J. A.)
Webb, Jean F. Jr., assignor to The International Signal Company, New York, N. Y. Valve mechanism for train-stopping systems. No. 1,284,509; Nov. 12; v. 256; p. 309.
Webb, Jennie H. (See Royer, George F., assignor.)
Webb, Joseph, Cincinnati, Ohio. Garden-tractor. No. 1,287,803; Dec. 17; v. 257; p. 467.
Webb, Michael J., Kingstown, Ireland. Needle-threader. No. 1,288,322; Dec. 17; v. 257; p. 592.
Webb, Robert D., Minden, La. Re-forming and compressing bales of cotton or other materials. No. 1,257,558; Feb. 26; v. 247; p. 827.
Webb, Robert D., Minden, La. Re-forming and compressing bales of cotton. No. 1,257,559; Feb. 26; v. 247; p. 827.
Webb, Thomas H. (See White and Webb.)
Webb, Wade F., Los Angeles, Cal. Unloading-machine for railway-cars and the like. No. 1,263,170; Apr. 16; v. 249; p. 675.
Webb, Walter H., Denver, Colo. Shoe-heel. No. 1,266,892; May 21; v. 250; p. 617.
Webb, William E., Jr., Larchmont Manor, and G. L. Close, Mount Vernon, assignors to Church, Webb & Close, Inc., New York, N. Y. Trench-helmet. No. 1,286,854; Dec. 3; v. 257; p. 158.
Webber, Owen T., Honolulu, Hawaii. Illuminative directory-board. No. 1,289,982; Dec. 31; v. 257; p. 1051.

Webber, Philip H., Hoopeston, Ill. Shock-absorber. No. 1,263,494; Apr. 23; v. 249; p. 785.
Webber, Silas E., Oak Park, Ill. Case for filing systems. No. 1,279,621; Sept. 24; v. 254; p. 699.
Weber, Albert A., assignor of one-third to M. L. Burns and one-third to H. A. Davies, Sacramento, Cal. Oil and dust proof journal-box. No. 1,277,798; Sept. 3; v. 254; p. 130.
Weber, Anton, Oakland, Cal. Mechanical gear-shifting device. No. 1,264,234; Apr. 30; v. 249; p. 1020.
Weber, August, Jersey City, N. J. Tooth comfort kit. No. 1,274,116; July 30; v. 252; p. 1059.
Weber, Bernard F., and F. E. Woodford, Chicago, Ill. Telpher. No. 1,257,560; Feb. 26; v. 247; p. 827.
Weber, Eliza B. (See Weiner, Harris, assignor.)
Weber, Friedrich W., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Catalyzer and making the same. No. 1,252,973; Jan. 8; v. 246; p. 477.
Weber, George. (See Wheeler and Weber.)
Weber, George L., Philadelphia, Pa. Knockdown body for automobiles. No. 1,263,298; Apr. 16; v. 249; p. 707.
Weber, George L., Philadelphia, Pa. Flying-machine frame. No. 1,274,963; Aug. 6; v. 253; p. 177.
Weber, George R. (See Kray, John A., assignor.)
Weber, George W., St. Paul, Minn., assignor to American Can Company, New York, N. Y. Paneled asparagus-can. No. 1,262,289; Apr. 9; v. 249; p. 395.
Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Method and machine for securing clips on folders. No. 1,259,690; Mar. 19; v. 248; p. 570.
Weber, Henry L., Philadelphia, Pa. Torpedo-guard. No. 1,264,584; Apr. 30; v. 249; p. 1118.
Weber, Herman, Oak Park, Ill. Dampening-machine. No. 1,283,381; Oct. 29; v. 255; p. 1016.
Weber, Herman, Oak Park, Ill. Drive for washing-machines. No. 1,289,331; Dec. 31; v. 257; p. 891.
Weber, Isaac N., New York, N. Y. Mechanical toy. No. 1,277,799; Sept. 3; v. 254; p. 130.
Weber, John, Jr., assignor to The Toledo Metal Wheel Company, Toledo, Ohio. Juvenile vehicle. No. 1,277,161; Aug. 27; v. 253; p. 875.
Weber, Joseph, Chicago, Ill. Stock for jewelers. No. 1,278,536; Sept. 10; v. 254; p. 352.
Weber-Knapp Company. (See Bratt and Holcomb, assignors.)
Weber, Louis, Judson, N. D. Vehicle-protecting device. No. 1,283,382; Oct. 29; v. 255; p. 1017.
Weber, Manasseh, Didsbury, Alberta, Canada. Hay and grain sweep. No. 1,254,379; Jan. 22; v. 246; p. 933.
Weber, Mathias J., Chicago, Ill. Coin-controlled weighing-scale. No. 1,252,752; Jan. 8; v. 246; p. 413.
Weber, Mathias J., Chicago, Ill. Weighing-scales. No. 1,261,661; Apr. 2; v. 249; p. 190.
Weber, Ralph B., assignor to L. A. Schoenberg, St. Charles, Mo. Lifting-jack. No. 1,268,410; June 4; v. 251; p. 97.
Weber, Wilhelm, Hayingen, Germany. Chambering device for rock-drills. No. 1,257,561; Feb. 26; v. 247; p. 828.
Weber, William H., Detroit, Mich. Musical block. No. 1,276,839; Aug. 27; v. 253; p. 788.
Weber, William L., Taylorville, assignor to Railway and Mine Supply Company, Chicago, Ill. Car-wheel mounting. No. 1,285,509; Nov. 19; v. 256; p. 599.
Weber, William W., Fort Myers, Fla. Miner's combination-tool. No. 1,263,720; Apr. 23; v. 249; p. 844.
Webers, John T. (See Bolus, William G., assignor.)
Webster, Arthur S. (See Hancock, Harry H., assignor.)
Webster, Arthur T., Peoria, Ill. Bed-pan. No. 1,252,868; Jan. 8; v. 246; p. 444.
Webster, Bradford, Louisville, Ky., assignor, by mesne assignments, to Paragon Binder Corporation, New York, N. Y. Book. No. 1,274,117; July 30; v. 252; p. 1059.
Webster, Carl S., Haverhill, Mass. Automatic motion-picture advertising apparatus. No. 1,282,154; Oct. 22; v. 255; p. 656.
Webster Electric Company. (See Geist, Harry F., assignor.)
Webster Electric Company. (See Kane, Edmund J., assignor.)
Webster Electric Company, The. (See Stark, John R., assignor.)
Webster, Ernest C., Oakland, Cal. Electric water-heater. No. 1,288,774; Dec. 24; v. 257; p. 731.
Webster, George A., Chicago, Ill. Gas-heater. No. 1,264,235; Apr. 30; v. 249; p. 1020.
Webster, Harlan S., Canton, Ohio. Rotary-blower spark-gap. No. 1,256,405; Feb. 12; v. 247; p. 419.
Webster, Harlan S., Canton, Ohio. Coal-digger. No. 1,283,383; Oct. 29; v. 255; p. 1017.
Webster, Harry A. (See Jones and Webster.)
Webster, Harry G., Chicago, Ill. Selector-switch. No. 1,286,855; Dec. 3; v. 257; p. 159.
Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,252,974; Jan. 8; v. 246; p. 477.
Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,255,964; Feb. 12; v. 247; p. 286.
Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,266,645; May 21; v. 250; p. 549.
Webster, Harry G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electrical battery-charging system. No. 1,257,163; Feb. 19; v. 247; p. 675.
Webster, Henry R., Horsforth, near Leeds, England. Gas-testing apparatus. No. 1,252,975; Jan. 8; v. 246; p. 477.
Webster, Howard M., Chicago, Ill. Photographic-printing apparatus. No. 1,262,723; Apr. 16; v. 249; p. 546.
Webster, Hyleman A., Columbia, Tenn. Concentrating phosphatic material. No. 1,266,730; May 21; v. 250; p. 573.
Webster, Hyleman A., Columbia, assignor to J. J. Gray, Jr., Rockdale, Tenn. Making ferrophosphorus. No. 1,264,236; Apr. 30; v. 249; p. 1021.
Webster, Hyleman A., Columbia, assignor to J. J. Gray, Jr., Rockdale, Tenn. Producing iron phosphid from iron phosphatic material. No. 1,264,237; Apr. 30; v. 249; p. 1021.
Webster, Hyleman A., Columbia, assignor to J. J. Gray, Jr., Rockdale, Tenn. Producing ferrophosphorus in rotary furnaces. No. 1,265,149; May 7; v. 250; p. 77.
Webster, Hyleman A., Columbia, assignor to J. J. Gray, Jr., Rockdale, Tenn. Producing phosphor-copper compounds. No. 1,265,150; May 7; v. 250; p. 77.
Webster, John A., West Hoboken, N. J., assignor, by mesne assignments, to Autosales Gum and Chocolate Company. Coin-controlled machine. No. 1,256,620; Feb. 19; v. 247; p. 517.
Webster, John E., Pittsburgh, and G. M. Eaton, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Apparatus for and method of tempering gears and pinions. No. 1,253,315; Jan. 15; v. 246; p. 607.
Webster, Lee. (See Mildner and Webster.)
Webster Manufacturing Company. (See Heule and Graham, assignors.)
Webster M'f'g Company, The. (See Perkins, William F., assignor.)
Webster, Samuel, Clayton, Mo. Wood-cutter. No. 1,287,538; Dec. 10; v. 257; p. 367.
Webster, Towner K., Jr., Evanston, assignor, by mesne assignments, to American Steam Conveyor Corporation, Chicago, Ill. Ash-conveyer. No. 1,252,522; Jan. 8; v. 246; p. 346.
Webster, Walter L., Brooklyn, N. Y. Means used in accounting. No. 1,254,870; Jan. 29; v. 246; p. 1108.
Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Phoenix, Ariz. Double-heading valve. No. 1,255,253; Feb. 5; v. 247; p. 39.
Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Phoenix, Ariz. Air-brake system. No. 1,256,406; Feb. 12; v. 247; p. 419.
Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Pheonix, Ariz. Engineer's valve and pressure-controlling mechanism for air-brakes. No. 1,256,407; Feb. 12; v. 247; p. 420.
Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Phoenix, Ariz. Triple valve for air-brakes. No. 1,257,055; Feb. 19; v. 247; p. 645.
Wechsler, Oscar H. (See Seagull and Wechsler.)
Wedekind & Co. m. b. H., R. (See Iljinsky, Michael, assignor.)
Wedge, Lyle. (See Gray, Wedge, and Giese.)
Wedge, Utley, Ardmore, Pa., and F. A. Eustis, Milton, Mass. Recovering SO_2 or the like from gases containing the same. No. 1,260,492; Mar. 26; v. 248; p. 837.
Wedge, Utley, Ardmore, Pa., and F. A. Eustis, Milton, Mass. Apparatus for segregating and recovering gases. No. 1,260,493; Mar. 26; v. 248; p. 837.
Wedge, Utley, Ardmore, assignor, by mesne assignments, to Furnace Patent Company, Philadelphia, Pa. Slag-heated steam-generator. No. 1,267,022; May 21; v. 250; p. 654.
Wedge, Utley, Ardmore, assignor to The Process Engineering Company, Philadelphia, Pa. Dust-collector. No. 1,267,023; May 21; v. 250; p. 655.
Wedge, Utley, Ardmore, assignor to The Process Engineering Company, Philadelphia, Pa. Device for separating matter from a fluid containing the same. No. 1,267,024; May 21; v. 250; p. 655.
Wedgerite Piston Ring Corporation. (See Duchesne, Ernest, assignor.)
Wedgeworth, John F., Sarepta, La. Tie-plate. No. 1,274,118; July 30; v. 252; p. 1059.
Wedoit Company. (See Fenn, William B., assignor.)
Wee, Eli L., Huxley, Iowa. Wire-fence structure. No. 1,276,840; Aug. 27; v. 253; p. 788.
Weeber, Rudolf, Bärn, Austria. Manufacture of varnish. No. 1,257,562; Feb. 26; v. 247; p. 828.
Weed, Edward L., Providence, R. I. Book-rack. No. 1,260,610; Mar. 26; v. 248; p. 873.
Weed, Harry D., Syracuse, N. Y., assignor, by mesne assignments, to American Chain Company, Incorporated, Bridgeport, Conn. Antiskidding device for vehicle-wheels. No. 1,253,113; Jan. 8; v. 246; p. 520.
Weed, Howard W., Stamford, Conn. Folding back. No. 1,272,159; July 9; v. 252; p. 428.

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Weed, Howard W., Cleveland, Ohio. Protector for windshields. No. 1,287,162; Dec. 10; v. 257; p. 276.
Weed, Jacob, *et al.* (See Ladwig, Frank O., assignor.)
Weedon, Frederick L., and W. E. Lemon, Carralitos, Cal. Grapple. No. 1,256,408; Feb. 12; v. 247; p. 420.
Week, Edmund R. and E. R., Jr., Spokane, Wash. Hydraulic mining and the like. No. 1,261,198; Apr. 2; v. 249; p. 58.
Weekes, Henry E., Vallejo, Cal. Curtain-guide. No. 1,287,539; Dec. 10; v. 257; p. 367.
Weeks, Frank A., Plainfield, N. J. Inkstand. No. 1,272,585; July 16; v. 252; p. 573.
Weeks, Howard B. (See Allen, John V., assignor.)
Weeks, Jackson S., *et al.*, trustees. (See Weeks, Joseph H., assignor.)
Weeks, James C. D., Cheapside, Va. Smoke-flue and chimney lining. No. 1,278,263; Sept. 10; v. 254; p. 279.
Weeks, Joseph H., Rutledge, assignor to J. S. Weeks, Delaware county, and R. M. Weeks, Philadelphia, Pa., trustees. Composition for electrolytes for electrical etching. No. 1,273,432; July 23; v. 252; p. 832.
Weeks, Joseph H., Rutledge, assignor to J. S. Weeks, Delaware county, and R. M. Weeks, Philadelphia, Pa., trustees. Process and apparatus for etching. No. 1,276,599; Aug. 20; v. 253; p. 687.
Weeks, Joseph H., Rutledge, assignor to J. S. Weeks, Delaware county, and R. M. Weeks, Philadelphia, Pa., trustees. Electrical etching apparatus. No. 1,276,600; Aug. 20; v. 253; p. 687.
Weeks, Joseph H., Rutledge, assignor to J. S. Weeks, Delaware county, and R. M. Weeks, Philadelphia, Pa., trustees. Electrical etching. No. 1,287,775; Dec. 24; v. 257; p. 731.
Weeks, Joseph H., Rutledge, assignor to J. S. Weeks, Delaware county, and R. M. Weeks, Philadelphia, Pa., trustees. Process and composition for electrical etching. No. 1,289,022; Dec. 24; v. 257; p. 790.
Weeks, Raymond M., *et al.*, trustees. (See Weeks, Joseph H., assignor.)
Weeks, William, Chicago, Ill. Duplex engine. No. 1,271,966; July 9; v. 252; p. 372.
Weems, Thomas J., Rhome, Tex. Clod-crusher. No. 1,261,876; Apr. 9; v. 249; p. 282.
Weese, Frank, Port Arthur, Tex. Stump-puller. No. 1,263,495; Apr. 23; v. 249; p. 785.
Wefel, William C. H., Denver, Colo. Incandescent-lamp fixture. No. 1,256,749; Feb. 19; v. 247; p. 554.
Wefel, William C. H., Denver, Colo. Circuit-controlling appliance for series incandescent-lighting systems. No. 1,280,914; Oct. 8; v. 255; p. 247.
Wege, Henry D., Barre, Wis. Concrete-mixer. No. 1,260,840; Mar. 26; v. 248; p. 938.
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Metal furniture. No. 1,251,719; Jan. 1; v. 246; p. 82.
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Desk. No. 1,251,720; Jan. 1; v. 246; p. 83.
Wege, Peter M., assignor to Metal Office Furniture Co., Grand Rapids, Mich. Desk or table top construction. No. 1,273,207; July 23; v. 252; p. 773.
Wegmann & Co. (See Knibiehler and Fankhauser, assignors.)
Wegner, Daniel. (See Steinberg, William, assignor.)
Wegner, Ferdinand M., Brooklyn, N. Y. Fur-shearing machine and fur-unhairing machine. No. 1,278,537; Sept. 10; v. 254; p. 352.
Wegner, Fred, Fairport, N. Y., assignor to G. W. Cobb, Montclair, N. J. Bean-snipper. No. 1,257,164; Feb. 19; v. 247; p. 676.
Wegner, Frederick A., Buffalo, N. Y. Grain-separator. No. 1,280,600; Oct. 1; v. 255; p. 135.
Wegner, Frederick A., Silver Creek, N. Y. Dust-collector. No. 1,281,238; Oct. 8; v. 255; p. 336.
Wegner, G. (See Reiser, Louis A., assignor.)
Wegner, Lewis E., Hot Springs, Ark. Wrench. No. 1,277,162; Aug. 27; v. 253; p. 875.
Weguelin, Harold A., and R. A. Phelan, St. Louis, Mo. Combined eye-dropper, syringe, and medicine-holder. No. 1,272,742; July 16; v. 252; p. 619.
Wehinger, Frederick, assignor to Waterbury Clock Co., Waterbury, Conn. Wire click-spring and fastening-rivet therefor. No. 1,254,747; Jan. 29; v. 246; p. 1069.
Wehle, Edward H., Milwaukee, Wis. Headache-hanger. No. 1,285,510; Nov. 19; v. 256; p. 599.
Wehner, Alphonse P. (See Core and Wehner.)
Wehnert, Charles. (See Stösser, Emil E., assignor.)
Wehr, Rudolph, New York, N. Y. Internal-combustion engine. No. 1,252,753; Jan. 8; v. 246; p. 414.
Wehr, Rudolph, New York, N. Y. Internal-combustion engine. No. 1,273,433; July 23; v. 252; p. 833.
Wehrle Company, The. (See Pickup, George E., assignor.)
Wehrle, Laurence H., Murfreesboro, Tenn. Ventilating wind-shield for motor-vehicles. No. 1,273,965; July 30; v. 252; p. 1017.
Weible, John. (See Beck, Weible, and Houlahen.)
Weick, Ernest C., San Bernardino, Cal. Lifting device. No. 1,277,670; Sept. 3; v. 254; p. 94.
Weickel, Henry, Milwaukee, assignor to Pawling and Harnischfeger Company, West Milwaukee, Wis. Hoisting and conveying apparatus. No. 1,270,995; July 2; v. 252; p. 69.
Weickel, Henry, Milwaukee, assignor to Pawling and Harnischfeger Company, West Milwaukee, Wis. Grapple. No. 1,276,143; Aug. 20; v. 253; p. 560.
Weida, Harry, Highland Park, N. J., assignor to The India Rubber Company. Hard-rubber battery-jar and manufacturing same. No. 1,256,750; Feb. 19; v. 247; p. 554.
Weida, Harry, Highland Park, N. J., assignor to India Rubber Company. Mold for plastic materials. No. 1,289,983; Dec. 31; v. 257; p. 1051.
Weidely, George A., Indianapolis, Ind. Radiator-mounting for automobiles. No. 1,254,181; Jan. 22; v. 246; p. 876.
Weidenbach, Andrew N., Bridgewater, S. D. Egg-case machine. No. 1,260,107; Mar. 19; v. 248; p. 692.
Weidenbach, Herman A., Buffalo, N. Y. Rotary pump. No. 1,280,601; Oct. 1; v. 255; p. 135.
Weidenbach, Herman A., Buffalo, N. Y. Rotary engine. No. 1,280,915; Oct. 8; v. 255; p. 248.
Weidhase, Karl H., Chevy Chase, Md. Airship. No. 1,261,663; Apr. 2; v. 249; p. 190.
Weidlich, George A., assignor to A-B Stove Company, Battle Creek, Mich. Spray-nozzle. No. 1,254,748; Jan. 29; v. 246; p. 1070.
Weidman, Walter W., and H. A. Bever, Hillsboro, Ind. Demountable wheel-rim lock. No. 1,277,671; Sept. 3; v. 254; p. 94.
Weier, John J., Birmingham, Mich. Driving and steering mechanism. No. 1,260,495; Mar. 26; v. 248; p. 838.
Weierman, Charles S. (See Glenn, James H., assignor.)
Weigel, Louis, Lodi, Cal. Necktie. No. 1,260,108; Mar. 19; v. 248; p. 692.
Weightman, William A. (See Reifsnyder and Weightman.)
Weightman, William A. (See Reifsnyder, Weightman, and Rider.)
Weigler, Nicholas. (See Miller, Harley N., assignor.)
Weikert, Charles H., Lucan, Minn. Door-opening mechanism. No. 1,280,916; Oct. 8; v. 255; p. 248.
Weikly, James N., Jersey City, N. J. Safety device. No. 1,265,845; May 14; v. 250; p. 297.
Weil, Charles L. (See Downing and Weil.)
Weil, Charles L., Port Huron, Mich. Method and system of salt manufacture. No. 1,261,331; Apr. 2; v. 249; p. 97.
Weil, Charles L., Port Huron, Mich. Closure for discharge-apertures in packages. No. 1,268,901; June 11; v. 251; p. 253.
Weil, Charles L., Port Huron, Mich. Salt manufacture. No. 1,273,208; July 23; v. 252; p. 774.
Weil, Charles L., St. Clair, Mich. Dispensing-receptacle. No. 1,279,622; Sept. 24; v. 254; p. 699.
Weil, Maximilian, assignor, by mesne assignments, to Automatic Railway Control Company, Inc., New York, N. Y. Induction train control. No. 1,258,626; Mar. 5; v. 248; p. 199.
Weil, Sydney S., Los Angeles, Cal. Apparatus for protecting volatile liquids. No. 1,283,384; Oct. 29; v. 255; p. 1017.
Weilacher, John, *et al.* (See Myers, Charles E., assignor.)
Weiland, Alfred, East Orange, N. J. Carbureter for internal-combustion engines. No. 1,274,964; Aug. 6; v. 253; p. 177.
Weiland, Alfred, East Orange, N. J. Carbureter for internal-combustion engines. No. 1,274,965; Aug. 6; v. 253; p. 177.
Weiland, Alfred, Philadelphia, Pa. Carbureter for internal-combustion engines. No. 1,276,841; Aug. 27; v. 253; p. 788.
Weiland, Alfred, Philadelphia, Pa. Carbureter for internal-combustion engines. No. 1,276,842; Aug. 27; v. 253; p. 788.
Weiland, Alfred, Philadelphia, Pa. Carbureter for internal-combustion engines. No. 1,286,856; Dec. 3; v. 257; p. 159.
Weiland, George W., assignor of one-third to E. A. Jones, Scranton, Pa. Machine for forming dishes or receptacles. No. 1,253,316; Jan. 15; v. 246; p. 607.
Weilenman, Franz F., San Jose, Cal. Fruit-gatherer. No. 1,282,032; Oct. 22; v. 255; p. 621.
Weill, Daniel, Camaguey, Cuba. Tie-clasp. No. 1,269,887; June 18; v. 251; p. 559.
Weilman, Samuel H., New York, N. Y. Toy and amusement device. No. 1,257,563; Feb. 26; v. 247; p. 828.
Weimer, Frank H., Nogales, Ariz. Combined automatic and straight air valve mechanism. No. 1,262,883; Apr. 16; v. 249; p. 592.
Weimer, Frank H., Nogales, Ariz. Air-valve for fluid-pressure brake systems. No. 1,284,000; Nov. 5; v. 256; p. 147.
Weimer, Rudolph. (See Wiester, Stefan, assignor.)
Weimer, Samuel, Carson, Oreg. Transmission-gear for automobiles. No. 1,259,691; Mar. 19; v. 248; p. 571.
Weimerskirch, Louis, Pittsburgh, Pa. Trap. No. 1,284,165; Nov. 5; v. 256; p. 192.
Weimerskirsch, Peter L., Kellogg, Minn. Harness-hook. No. 1,254,556; Jan. 22; v. 246; p. 984.
Weinberg, Alexander. (See Sabina and Weinberg.)
Weinberg, Bertrand A., Wedgefield, S. C. Wheel-rim. No. 1,283,608; Nov. 8; v. 256; p. 44.
Weinberg, Hosea I., Minneapolis, Minn. Ash-sifter for furnaces and the like. No. 1,276,461; Aug. 20; v. 253; p. 649.

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Weinberg, Jacob S., Chicago, Ill. Combined case and book. No. 1,263,721; Apr. 23; v. 249; p. 845.
Weinberg, Isaac H., New York, N. Y. Umbrella and parasol. No. 1,287,596; Dec. 10; v. 257; p. 382.
Weinberger, Benjamin, assignor to Marx & Haase Clothing Co., St. Louis, Mo. Machine for unfolding and rolling cloth. No. 1,261,877; Apr. 9; v. 249; p. 282.
Weiner, Harris, assignor of one-fourth to E. B. Weber, New York, N. Y. Tire-chain. No. 1,264,463; Apr. 30; v. 249; p. 1084.
Weiner, John N., Indianapolis, Ind. Machine for bending leather edgewise. No. 1,255,366; Feb. 5; v. 247; p. 73.
Weinfeld, Alexander, New Orleans, La. Railway-ticket. No. 1,269,026; June 11; v. 251; p. 288.
Weinhardt, Robert A., Chicago, Ill., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Manifold. No. 1,252,636; Jan. 8; v. 246; p. 380.
Weinheim, Emil, New York, N. Y. Forming leather substitutes. No. 1,263,171; Apr. 16; v. 249; p. 675.
Weinheim, Emil, New York, N. Y. Method of producing a reinforced resilient material and the article of manufacture produced thereby. No. 1,267,025; May 21; v. 250; p. 655.
Weinheim, Emil, New York, N. Y. Completely impregnating textile fabric with filling material. No. 1,281,728; Oct. 15; v. 255; p. 499.
Weinman, William N., Columbus, Ohio. Double-acting pump. No. 1,278,264; Sept. 10; v. 254; p. 279.
Weinmann, Ernest W., Chicago, Ill. Removing battery-terminals. No. 1,265,980; May 14; v. 250; p. 336.
Weinmann, John J., St. Paul, Minn. Sash-hanger. No. 1,288,323; Dec. 17; v. 257; p. 592.
Weinmann, Louis E., Chicago, Ill., assignor of one-third to Gold Furniture Company, one-third to Kroehler Manufacturing Company, and one-third to Pullman Coach Company. Sofa-bed. No. 1,265,012; May 7; v. 250; p. 39.
Weinrich, Morris F., New York, N. Y. Measuring instrument. No. 1,258,284; Mar. 5; v. 248; p. 97.
Weinshank, Theodore, and S. E. Fenstermaker, Indianapolis, Ind. Sectional adjustable ventilator-casing. No. 1,265,013; May 7; v. 250; p. 39.
Weinstein, Jacob, Cleveland, Ohio. Advertising device. No. 1,262,884; Apr. 16; v. 249; p. 592.
Weinstein, Jacob, assignor, by mesne assignments, to Jiffy-All Corporation, New York, N. Y. Garment-protector. No. 1,284,510; Nov. 12; v. 256; p. 309.
Weinstein, Leon, St. Louis, Mo. Heel-securing plate. No. 1,280,917; Oct. 8; v. 255; p. 248.
Weinstein, Maurice M. (See Kolkiewicz and Weinstein.)
Weir, David, assignor to The Hartford Special Machinery Company, Hartford, Conn. Chuck. No. 1,288,324; Dec. 17; v. 257; p. 593.
Weir, James B., New York, N. Y. Manufacturing gasolene. No. 1,282,338; Oct. 22; v. 255; p. 706.
Weir, Oscar B., and G. W. Powers, Plattsburg, N. Y. Making brooms. No. 1,263,172; Apr. 16; v. 249; p. 675.
Weir, Robert J. A., assignor to John Kitchen Jr. Company, San Francisco, Cal. Combination policy and report blank. No. 1,279,189; Sept. 17; v. 254; p. 556.
Weir, William W. (See Casper, Albert, assignor.)
Weis, Charles, Lancaster, Pa. Collar. No. 1,273,702; July 23; v. 252; p. 904.
Weis, Charles, Baltimore, Md. Pocket-book protector. No. 1,279,623; Sept. 24; v. 254; p. 700.
Weis, John P., Nyack, N. Y., assignor to Economy Bag Closing Company, Knoxville, Tenn. Sewing-machine. No. 1,258,896; Mar. 12; v. 248; p. 333.
Weis, John P., Nyack, N. Y., assignor, by mesne assignments, to Metropolitan Sewing Machine Corporation, Dover, Del. Looper mechanism. No. 1,264,585; Apr. 30; v. 249; p. 1118.
Weis, John P., Nyack, N. Y., assignor, by mesne assignments, to Metropolitan Sewing Machine Corporation, Dover, Del. Seam structure for garments. No. 1,269,986; June 18; v. 251; p. 583.
Weis, John P. Nyack, N. Y., assignor, by mesne assignments, to Metropolitan Sewing Machine Corporation, Dover, Del. Strip-feeding means for sewing-machines. No. 1,277,004; Aug. 27; v. 253; p. 831.
Weis, John P., Nyack, N. Y., assignor, by mesne assignments, to Metropolitan Sewing Machine Corporation, Dover, Del. Sewing-machine. No. 1,277,005; Aug. 27; v. 253; p. 831.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Wearing-apparel. No. 1,277,006; Aug. 27; v. 253; p. 832.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Wearing-apparel. No. 1,277,007; Aug. 27; v. 253; p. 832.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Elastic-strip-feeding means. No. 1,277,008; Aug. 27; v. 253; p. 832.
Weis, Orville, Thayer, Kans. Film-shifting mechanism for cameras. No. 1,274,223; July 30; v. 252; p. 1089.
Weis, William, Perham, Minn. Curb-block. No. 1,269,888; June 18; v. 251; p. 560.
Weiscopp, L. (See Buehner, William F. A., assignor.)
Weise, Frederick A. (See Behrendt and Weise.)
Weisenberg, David, South Bethlehem, Pa. Baker's peel. No. 1,254,096; Jan. 22; v. 246; p. 852.
Weiser, Frank J. W., Elmhurst, Ill. Piano. No. 1,275,806; Aug. 13; v. 253; p. 435.
Weiser, Frank J. W., Elmhurst, Ill. Phonograph-horn. No. 1,286,459; Dec. 3; v. 257; p. 68.
Weisgerber, Edwin C. (See Lewis and Weisgerber.)
Weismantel, Joseph, Irvington, N. J. Launching apparatus for steam or sailing vessels. No. 1,270,903; July 2; v. 252; p. 42.
Weiss, Abraham C. (See Weiss, Charles and A. C.)
Weiss, Albert F., St. Louis, Mo. Auxiliary radius-rod. No. 1,281,239; Oct. 8; v. 255; p. 337.
Weiss, Alfred, Mammern, assignor to K. Zimmerlin, Aarau, Switzerland. Machine for sharpening band-saw blades. No. 1,259,692; Mar. 19; v. 248; p. 571.
Weiss, Burghard, Tompkinsville, N. Y. Fluid-compass. No. 1,283,003; Oct. 29; v. 255; p. 917.
Weiss, Carl W., Brooklyn, N. Y. Internal-combustion engine. No. 1,254,097; Jan. 22; v. 246; p. 853.
Weiss, Carl W., Brooklyn, N. Y. Internal-combustion engine. No. 1,261,465; Apr. 2; v. 249; p. 134.
Weiss, Carl W., Brooklyn, N. Y. Internal-combustion engine. No. 1,261,466; Apr. 2; v. 249; p. 134.
Weiss, Carl W., Brooklyn, N. Y. Internal-combustion engine. No. 1,263,173; Apr. 16; v. 249; p. 676.
Weiss, Carl W., Brooklyn, N. Y. Internal-combustion turbine. No. 1,284,841; Nov. 12; v. 256; p. 391.
Weiss, Carl W., Brooklyn, N. Y. Igniting device for internal-combustion engines. No. 1,284,842; Nov. 12; v. 256; p. 392.
Weiss, Charles and A. C., Chicago, Ill. Spring-fastener. No. 1,278,406; Sept. 10; v. 254; p. 316.
Weiss, Charles R., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Casing for drive-chains. No. 1,266,187; May 14; v. 250; p. 394.
Weiss, Cornelius, Brooklyn, N. Y. Sewing-machine attachment. No. 1,259,324; Mar. 12; v. 248; p. 435.
Weiss, George C., San Francisco, Cal. Bed-spring. No. 1,289,061; Dec. 24; v. 257; p. 799.
Weiss, George F., Springfield, Ill. Switch-locking device. No. 1,282,339; Oct. 22; v. 255; p. 706.
Weiss, Henry L., Gary, W. Va. Envelop. No. 1,287,804; Dec. 17; v. 257; p. 467.
Weiss, John M., New York, N. Y., assignor to The Barrett Company. Rubber composition and producing the same. No. 1,282,505; Oct. 22; v. 255; p. 751.
Weiss, Louis T., Brooklyn, assignor to Reliance Ball Bearing Door Hanger Company, New York, N. Y. Device for operating sliding doors. No. 1,272,160; July 9; v. 252; p. 429.
Weiss, Louis T., assignor to A. Chapal, Brooklyn, N. Y. Fleshing-machine. No. 1,278,804; Sept. 10; v. 254; p. 423.
Weiss, Nettie, Harrisburg, Pa. Automobile-fender. No. 1,275,113; Aug. 6; v. 253; p. 218.
Weiss, Samuel W., assignor to Globe Art Mfg. Company, Newark, N. J. Lock. No. 1,269,665; June 18; v. 251; p. 496.
Weiss, Simon. (See Wisnyei and Weiss.)
Weissenborn, Albert B., assignor of one-half to Appleton Wire Works, Appleton, Wis. Fourdrinier wire-stretcher. No. 1,272,586; July 16; v. 252; p. 574.
Weissenborn, Albert B., assignor of one-half to Appleton Wire Works, Appleton, Wis. Shuttle for looms. No. 1,281,447; Oct. 15; v. 255; p. 426.
Weissman, David, Brooklyn, and L. Reiser, New York, N. Y. Safety pocket-lock. No. 1,266,893; May 21; v. 250; p. 617.
Weissmann, Ludwig N., New York, N. Y. Plastic molding composition. No. 1,256,621; Feb. 19; v. 247; p. 518.
Weith, Archie J. (See Redman, Weith, and Brock.)
Weitzenkorn, Joseph W., assignor to Electric Reduction Company, Washington, Pa. Steel alloy. No. 1,287,153; Dec. 10; v. 257; p. 274.
Weiwoda, Frieda L. (See Weiwoda, Mathias, assignor.)
Weiwoda, Mathias, assignor to F. L. Weiwoda, Brooklyn, N. Y. Combination strainer and separator. No. 1,251,601; Jan. 1; v. 246; p. 47.
Wekwert, Frank, Metz, Mich. Weapon. No. 1,259,943; Mar. 19; v. 248; p. 646.
Welander, Edward, Detroit, Mich. Steam-hammer-die-securing means. No. 1,261,983; Apr. 9; v. 249; p. 311.
Welch, Albert. (See Reed, William R., assignor.)
Welch, Albert G., trustee. (See Perry, Hubert M., assignor.)
Welch, Edmon B., Jr., Musselfork, Mo. Hoe. No. 1,259,944; Mar. 19; v. 248; p. 647.
Welch, Elmer S. (See Hidden, George A., assignor.)
Welch, Frank H., and G. H. Strange, Lone Wolf, Okla. Weaning-muzzle. No. 1,276,462; Aug. 20; v. 253; p. 649.
Welch Grape Juice Company, The. (See Welch, Paul R., assignor.)
Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Cal. Process and apparatus for producing sulfuric acid. No. 1,284,166; Nov. 5; v. 256; p. 192.
Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Cal. Contact process and apparatus for producing sulfuric acid. No. 1,284,167; Nov. 5; v. 256; p. 192.

Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Cal. Manufacture of sulfuric and hydrochloric acids. No. 1,285,856; Nov. 26; v. 256; p. 727.
Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Cal. Concentrating solutions. No. 1,289,984; Dec. 31; v. 257; p. 1052.
Welch, Henry T. (See Smith, Charles D., assignor.)
Welch, Hugo K. (See Bennett, Elbert R., assignor.)
Welch, James, Waterbury, Conn. Refrigerator. No. 1,275,511; Aug. 13; v. 253; p. 352.
Welch, John H., Waunakee, Wis. Weed-hook. No. 1,263,174; Apr. 16; v. 249; p. 676.
Welch, Luke T., assignor of one-half to J. G. Mammoser, Chicago, Ill. Motion-picture apparatus. No. 1,285,857; Nov. 26; v. 256; p. 727.
Welch, Paul R., Westfield, N. Y. Manufacturing grape-juice. No. 1,258,627; Mar. 5; v. 248; p. 199.
Welch, Paul R., assignor to The Welch Grape Juice Company, Westfield, N. Y. Food product. No. 1,277,672; Sept. 3; v. 254; p. 95.
Welch, Robert L., Montreal, Quebec, Canada. Wrapping-paper printing and serving apparatus. No. 1,262,885; Apr. 16; v. 249; p. 592.
Welch, Robert L., Williams, Cal. Submarine-growth cutter. No. 1,269,139; June 11; v. 251; p. 320.
Welch, Sidney J. (See Kenny and Welch.)
Welch, Walter F., Jamaica, N. Y. Mowing-machine. No. 1,279,052; Sept. 17; v. 254; p. 520.
Welch, William H., Salem, Ohio. Resilient wheel. No. 1,283,609; Nov. 5; v. 256; p. 44.
Welchel, Herbert E., and A. A. McCray, Indianapolis, Ind. Circuit-closer for electric heating devices. No. 1,289,332; Dec. 31; v. 257; p. 892.
Welcker, Rudolph, Yonkers, N. Y. Concrete-mixer. Nc 1,279,804; Sept. 24; v. 254; p. 752.
Welcome, Virgil J., Los Angeles, Cal. Meat-pounder. No. 1,272,743; July 16; v. 252; p. 619.
Weld, Carley G., North Chatham, Mass. Auxiliary carbureter. No. 1,264,464; Apr. 30; v. 249; p. 1085.
Weldon, Francis, Reading, England. Crutch. No. 1,277,009; Aug. 27; v. 253; p. 833.
Weldon, George B., Pittsburgh, Pa. Slider for shoes. No. 1,284,001; Nov. 5; v. 256; p. 147.
Weldon, John H., Comanche, Okla. Sanitary poultry-nest. No. 1,288,325; Dec. 17; v. 257; p. 593.
Welin, Axel, London, England. Crane. No. 1,266,646; May 21; v. 250; p. 550.
Wellborn, John R., Atlanta, Ga. Soda-fountain attachment. No. 1,286,460; Dec. 3; v. 257; p. 68.
Weller, Carl, Zurich, Switzerland. Spraying apparatus. No. 1,271,107; July 2; v. 252; p. 100.
Weller, Frederick, New York, N. Y. Dumb-waiter safety device. No. 1,270,079; June 18; v. 251; p. 608.
Weller, Howard E., Fowler, Kans. Fuel-supply system for explosive-engines. No. 1,283,385; Oct. 29; v. 255; p. 1017.
Weller, John L., and F. E. Winchester, Richmond, Ind. Transmission-lock for automobiles or the like. No. 1,263,826; Apr. 23; v. 249; p. 873.
Welles Thompson Company. (See Flynn, Clement L., assignor.)
Welling, Francis H. (See Stare, Welling, and Conover.)
Welling, Greenwoldt S., Sioux City, Iowa. Sewing-machine needle-threader. No. 1,260,611; Mar. 26; v. 248; p. 873.
Wellington, Stephen N., assignor to Coalite Limited, London, England. Apparatus for discharging and quenching coke. No. 1,274,826; Aug. 6; v. 253; p. 138.
Welliver, Robert B., *et al.* (See Archer, John, assignor.)
Wellman, Frank E., assignor to The Kansas City Gasolene Company, Kansas City, Kans. Oil-refining apparatus. No. 1,273,966; July 30; v. 252; p. 1017.
Wellman, Frank E., assignor to The Kansas City Gasoline Company, Kansas City, Kans. Oil-refining apparatus. No. 1,275,337; Aug. 13; v. 253; p. 305.
Wellman, Frederick L., Walpole, N. H. Hoof-spreader. No. 1,267,151; May 21; v. 250; p. 692.
Wellman, Harvey P., Oakland, Cal. Numerating and recording machine. No. 1,259,325; Mar. 12; v. 248; p. 436.
Wellman-Seaver-Morgan Company. (See Day, George E., assignor.)
Wells, Albert A., Detroit, Mich. Telephone timer and switch. No. 1,270,080; June 18; v. 251; p. 608.
Wells, Albert W. (See Snedigar, Elzo E., assignor.)
Wells, Alfred A. (See Ellis and Wells.)
Wells, Alfred A., Montclair, N. J. Disinfectant, &c. No. 1,280,602; Oct. 1; v. 255; p. 135.
Wells, Alfred A., Montclair, N. J. Disinfectant, &c. (Reissue.) No. 14,562; Dec. 10; v. 257; p. 385.
Wells, Alfred A., Caldwell, N. J., assignor to Ellis-Foster Company. Making nitric acid from ammonia. No. 1,252,976; Jan. 8; v. 246; p. 478.
Wells, Alvin. (See Clark, Edward W., assignor.)
Wells, Arthur F., assignor to Adjustable Wrapping Machine Company, San Francisco, Cal. Package-wrapping machine. No. 1,266,085; May 14; v. 250; p. 364.
Wells, Charles E. (See McFarland and Griffin, assignors.)
Wells, Chipman J., Long Beach, Cal. Disappearing bed. No. 1,271,814; July 9; v. 252; p. 328.
Wells, Florence, New York, N. Y. Rag doll. No. 1,287,154; Dec. 10; v. 257; p. 274.
Wells, Frank O., and D. G. Baker, Greenfield, Mass., assignors to Greenfield Tap and Die Corporation. Thread-gage. No. 1,289,985; Dec. 31; v. 257; p. 1052.
Wells, Frank R., Springfield, Ohio. Detachable duplex vessel. No. 1,266,362; May 14; v. 250; p. 440.
Wells, Fredrick B., Stevenage, England. Sheaf-binder harvesting-machine. No. 1,252,063; Jan. 1; v. 246; p. 183.
Wells, Henry E., Kahoka, Mo. Sewing-cabinet. No. 1,272,587; July 16; v. 252; p. 574.
Wells, Isaac N., Redondo Beach, Cal. Toilet-seat. No. 1,257,771; Feb. 26; v. 247; p. 889.
Wells, Joel C. (See Poeton and Wells.)
Wells, Julius, Roxbury, Vt. Nut-lock. No. 1,263,175; Apr. 16; v. 249; p. 676.
Wells, Levi P., Gering, Nebr. End-gate fastener. No. 1,275,338; Aug. 13; v. 253; p. 305.
Wells, Nelson D., Dayton, Ohio. Key-cutting machine. No. 1,254,749; Jan. 29; v. 246; p. 1070.
Wells, Newton C., Globe, Ariz. Wedge-cutting machine. No. 1,275,807; Aug. 13; v. 253; p. 435.
Wells, Ralph J., Dayton, Ohio. Railway-joint tie. No. 1,258,837; Mar. 12; v. 248; p. 298.
Wells, Raymond, Homer, N. Y., assignor to Cobwell Corporation, Cleveland, Ohio. Extracting oils and the like. No. 1,267,611; May 28; v. 250; p. 845.
Wells, Raymond, Homer, N. Y., assignor to Cobwell Corporation, Cleveland, Ohio. Apparatus for extracting oils and the like. No. 1,272,744; July 16; v. 252; p. 620.
Wells, Samuel G., Chicago, Ill. Lock for switch-operating devices. No. 1,263,342; Apr. 16; v. 249; p. 719.
Wells, Samuel G., Chicago, Ill. Lock for switch-operating devices. No. 1,284,002; Nov. 5; v. 256; p. 147.
Wells, Sidney D. (See Kress and Wells.)
Wells, Sidney D., Madison, Wis., dedicated, by mesne assignments, to the Government of the United States. Manufacture of paper-pulp. No. 1,268,193; June 4; v. 251; p. 35.
Wells, Sidney D., Madison, Wis., dedicated, by mesne assignments, to the Government of the United States. Manufacture of paper-pulp. No. 1,269,350; June 11; v. 251; p. 379.
Wells, Wilber E., Minneapolis, Minn. Attachment for bath-room fixtures. No. 1,276,463; Aug. 20; v. 253; p. 649.
Wells, William, Vale, Oreg. Chain tightener, fastener, and lock. No. 1,262,147; Apr. 9; v. 249; p. 355.
Welsandt, Louis F., New Albin, Iowa. Bolster attachment. No. 1,260,109; Mar. 19; v. 248; p. 693.
Welsbach Light Company. (See Lyon, Howard, assignor.)
Welsch, Otis D., Kimberly, Nev. Process of and apparatus for ore concentration. No. 1,253,653; Jan. 15; v. 246; p. 706.
Welscher, Christina L., Fontanelle, Iowa. Skirt-gage. No. 1,253,916; Jan. 15; v. 246; p. 780.
Welsh, David, Toledo, Ohio. Moistener. No. 1,280,603; Oct. 1; v. 255; p. 136.
Welsh, Elisha L., Hood River, Oreg. Rotary spike-tooth harrow and weeder. No. 1,289,023; Dec. 24; v. 257; p. 790.
Welsh, Frank. (See King and Welsh.)
Welsh, James W. (See Jones and Welsh.)
Welsh, John L. (See Burnett, Orbid W., assignor.)
Welsh, Harry S., New York, N. Y. Disappearing funnel. No. 1,256,961; Feb. 19; v. 247; p. 618.
Welsh, William J., Jersey City, N. J., assignor to Hemendinger, Alexander & Company, Inc. Coating-machine. No. 1,257,564; Feb. 26; v. 247; p. 828.
Welte, Carl M., assignor to M. Welte & Sons, Inc., New York, N. Y. Controller mechanism for mechanical musical instruments. No. 1,252,064; Jan. 1; v. 246; p. 183.
Welte, Carl M., assignor to M. Welte & Sons, Inc., New York, N. Y. Means for controlling the playing of automatic musical instruments. No. 1,284,003; Nov. 5; v. 256; p. 148.
Welte, Henry, Znaim, Austria. Manufacture of metal-coated artificial stones. No. 1,258,282; Mar. 5; v. 248; p. 97.
Welter, Herman C., assignor to Hall-Welter Company, Inc., Rochester, N. Y. Check-writing machine. No. 1,255,367; Feb. 5; v. 247; p. 73.
Welter, Herman C., assignor to Hall-Welter Company, Inc., Rochester, N. Y. Printing-die. No. 1,255,368; Feb. 5; v. 247; p. 73.
Welter, Herman C., assignor to Hall-Welter Company, Inc., Rochester, N. Y. Check-writing machine. No. 1,278,265; Sept. 10; v. 254; p. 279.
Welton, Park E., Cuyahoga Falls, Ohio, assignor to Birmingham Iron Foundry, Derby, Conn. Tire-wrapping machine. No. 1,278,266; Sept. 10; v. 254; p. 280.
Wemhoener, Emil F., St. Louis, Mo. Vacuum-cleaner. No. 1,263,299; Apr. 16; v. 249; p. 708.
Wemple, Horace R., Elizabeth, N. J. Gasifying-retort. No. 1,262,886; Apr. 16; v. 249; p. 593.
Wendel, John J., and H. W. Balsley, Syracuse, N. Y. Draft-controlled detent. No. 1,286,858; Dec. 3; v. 257; p. 160.
Wendelberg, Alex, New York, N. Y., assignor to Pittsburgh Electric Tool Company. Electric tool. No. 1,262,148; Apr. 9; v. 249; p. 355.

Wendelberg, Alex, assignor to Pittsburgh Electric Tool Company, New York, N. Y. Controller for electric hammers. No. 1,262,149; Apr. 9; v. 249; p. 356.
Wendelgass, Charles N., Buffalo, N. Y. Etching-machine. No. 1,254,751; Jan. 29; v. 246; p. 1070.
Wendelius, Gustaf W., Cleveland, Ohio. Folding clothes-rack. No. 1,269,351; June 11; v. 251; p. 379.
Wendell, Carl A., Joliet, Ill. Continuous automatic drier. (Reissue.) No. 14,574; Dec. 17; v. 257; p. 627.
Wendell, Constant, Jamaica Plain, Mass. Cream-skimmer. No. 1,286,461; Dec. 3; v. 257; p. 68.
Wenderhold, William. (See Uebelmesser and Wenderhold.)
Wenderhold, William, New York, N. Y., assignor to Cru Patents Corporation. Film-advancing mechanism. No. 1,263,496; Apr. 23; v. 249; p. 786.
Wenderhold, William, New York, N. Y., assignor to Cru Patents Corporation. Film-take-up device. No. 1,275,636; Aug. 13; v. 253; p. 387.
Wendler, Georg, assignor to Hasler A. G. vormals Telegraphenwerkstätte von G. Hasler, Berne, Switzerland. Shaft-coupling. No. 1,281,448; Oct. 15; v. 255; p. 426.
Wendt, Charles A., Milwaukee, Wis. Pool-table-pocket iron. No. 1,277,673; Sept. 3; v. 254; p. 95.
Wener, Nils H., assignor to Svenska Aktiebolaget Mono, Stockholm, Sweden. Gas-analyzing apparatus. No. 1,281,729; Oct. 15; v. 255; p. 499.
Wenger, Panko. (See Wason, Georgi E., assignor.)
Wenk, Henry L. C., Brooklyn, N. Y. Seal. No. 1,267,725; May 28; v. 250; p. 876.
Wenman, Harry O. H., Bishop's Castle, England. Manufacture of phosphorus. No. 1,274,479; Aug. 6; v. 253; p. 40.
Wennagel, Theodor S., Alt-Rahlstedt, near Hamburg, Germany, assignor to Firm Naamlooze Vennootschap Hollandsche Proteine Maatschappij, Amsterdam, Netherlands. Phenol-aldehyde condensation product. No. 1,273,967; July 30; v. 252; p. 1017.
Wennberg, Carl J., Milton, Mass. Chain-fastening device. No. 1,252,523; Jan. 8; v. 246; p. 346.
Wenthe, Herman H., Chicago, Ill. Impression-seal. No. 1,253,756; Jan. 15; v. 246; p. 736.
Wentling, William H., Harrisburg, Pa. Device relating to ordnance. No. 1,271,640; July 9; v. 252; p. 282.
Wentworth, Everett A., Ancon, Canal Zone. Roofing. No. 1,258,509; Mar. 5; v. 248; p. 162.
Wentworth, Jesse S., Decatur, Ill. Process and machine for soil-tillage. No. 1,276,843; Aug. 27; v. 253; p. 789.
Wentworth, Jesse S., Norwood, assignor to The Heekin Can Company, Cincinnati, Ohio. Can. No. 1,273,018; July 16; v. 252; p. 697.
Wentworth, Pearl J., Fort Thomas, Ky. Making shoes. No. 1,280,604; Oct. 1; v. 255; p. 136.
Wentworth, Pearl J., Newport, Ky., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Side-lasting machine. No. 1,259,693; Mar. 19; v. 248; p. 571.
Wentworth, Samuel J., Newport, Ky., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Cutting-machine. No. 1,279,624; Sept. 24; v. 254; p. 700.
Wentworth, Samuel J., Newport, Ky., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lip-turning machine. No. 1,282,340; Oct. 22; v. 255; p. 706.
Wentworth, Pearl J., Fort Thomas, Ky., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding-machine. No. 1,268,306; June 4; v. 251; p. 68.
Wentworth, Pearl J., Fort Thomas, Ky., assignor, by mesne assignments to United Shoe Machinery Corporation, Paterson, N. J. Molding-machine. No. 1,288,776; Dec. 24; v. 257; p. 731.
Wentz, Jere L., Passaic, N. J. Belt conveyer. No. 1,266,363; May 14; v. 250; p. 440.
Wentz, Jere L., Passaic, N. J. Conveyer. No. 1,275,808; Aug. 13; v. 253; p. 435.
Wentz, Robert F., Allentown, assignor of one-third to F. E. Geiser and one-third to S. E. Miller, Easton, Pa. Paper-clipper. No. 1,274,966; Aug. 6; v. 253; p. 177.
Wentzlaff, Frederick. (See Radke and Wentzlaff.)
Wenz, Charles E., Clifton, N. J. Vacuum-pump and control unit for player-piano mechanisms. No. 1,289,986; Dec. 31; v. 257; p. 1052.
Wenzel, Carl E., Newark, N. J. Paring device. No. 1,256,751; Feb. 19; v. 247; p. 555.
Wenzel, Ernest M., Kansas City, Mo. Garment-stretcher. No. 1,277,010; Aug. 27; v. 253; p. 833.
Wenzel, Ernest M., Kansas City, Mo. Washing-machine. No. 1,284,511; Nov. 12; v. 256; p. 309.
Wenzel, Louis, Jr., Pittsburgh, Pa. Puncture-proof pneumatic tire. No. 1,263,176; Apr. 16; v. 249; p. 676.
Wenzel, Otto F., Fond du Lac, Wis. Wrench. No 1,279,950; Sept. 24; v. 254; p. 794.
Wenzel, Wallace, Holyoke, Mass. Truss. No. 1,281,240; Oct. 8; v. 255; p. 337.
Wenzelmann, Gustave, Galesburg, Ill. Fertilizer-spreader. No. 1,281,449; Oct. 15; v. 255; p. 426.
Wenzelmann, Gustave, Galesburg, Ill. Winding-governor for spring-motors. No. 1,283,386; Oct. 29; v. 255; p. 1018.
Wenzlick, John H., assignor to The Fulton Tool Works, Canal Fulton, Ohio. Fastener for sectional coal-auger nuts. No. 1,286,859; Dec. 3; v. 257; p. 160.
Wepler, Newman A., Valley Station, Ky. Four-leaf-clover game. No. 1,270,675; June 25; v. 251; p. 797.
Werbeck, Walter G., Chicago, Ill. Water-gage. No. 1,255,965; Feb. 12; v. 247; p. 287.
Werbitski, Stanley, Detroit, Mich. Cigarette and match box. No. 1,279,190; Sept. 17; v. 254; p. 556.
Werden, Frederick O., Philadelphia, Pa. Lumber-piler. No. 1,269,987; June 18; v. 251; p. 584.
Werges, Herman H., East Alton, Ill. Package-tie. No. 1,279,191; Sept. 17; v. 254; p. 556.
Werkheiser, Robert C., Lansdale, Pa. Comb-cleaner, No. 1,271,967; July 9; v. 252; p. 372.
Werle, John F., assignor to Hoole Machine & Engraving Works, Incorporated, Brooklyn, N. Y. Printing-machine. No. 1,273,295; July 23; v. 252; p. 795.
Wern, Gust P., New York, N. Y. Corn-buttering device. No. 1,253,917; Jan. 15; v. 246; p. 781.
Wern, Gustaf P., New York, N. Y. Support and turning rigging. No. 1,282,508; Oct. 22; v. 255; p. 752.
Werner, Adolph R., East Milton, Mass. Folding bench. No. 1,284,512; Nov. 12; v. 256; p. 309.
Werner, Chester J., Cleveland, Ohio. Pistol-sword. No. 1,284,843; Nov. 12; v. 256; p. 392.
Werner, Frederick W., Denver, Colo. Collar-button. No. 1,255,254; Feb. 5; v. 247; p. 40.
Werner, John A., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register and money-changer. No. 1,279,053; Sept. 17; v. 254; p. 521.
Werner, Leo J., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition system. No. 1,254,182; Jan. 22; v. 246; p. 877.
Werner, Leo J., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition-switch. No. 1,258,169; Mar. 5; v. 248; p. 64.
Werner, Oscar F., San Jose, Cal. Fuel product and making same. No. 1,274,480; Aug. 6; v. 253; p. 40.
Werner, Otto, *et al.* (See Hicks, George J., assignor.)
Werner, Paul R., Philadelphia, Pa. Method and means to control induction-coils. No. 1,258,838; Mar. 12; v. 248; p. 298.
Werner, Paul R., Philadelphia, Pa. Method of and apparatus for controlling a circuit. No. 1,262,150; Apr. 9; v. 249; p. 357.
Werner, Paul R., Philadelphia, Pa. Universal shaft-coupling. No. 1,262,151; Apr. 9; v. 249; p. 357.
Werner & Pfleiderer Co. (See Reese, Louis C., assignor.)
Werner & Pfleiderer Company. (See Hicks, George J., assignor.)
Werner, Phillip, Philadelphia, Pa., assignor of one-half to R. Spicer, Willmar, Minn. Refining lead. No. 1,285,511; Nov. 19; v. 256; p. 599.
Werner, Richard, *et al.* (See Hicks, George J., assignor.)
Werner, Thomas O., Bangor, Pa. Friction-shoe and making the same. No. 1,262,887; Apr. 16; v. 249; p. 593.
Wernery, Lester A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,268,521; June 4; v. 251; p. 128.
Wernery, Lester A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,275,637; Aug. 13; v. 253; p. 387.
Wernery, Lester A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,284,004; Nov. 5; v. 256; p. 148.
Werntz, Robert L., Freeport, Ill. Automobile-signal. No. 1,275,114; Aug. 6; v. 253; p. 218.
Wersel, Frank B., Jr., Mount Auburn, Ohio. Duofold davenport. No. 1,256,752; Feb. 19; v. 247; p. 555.
Wert, Charles H., Newton Hamilton, Pa. Wrench. No. 1,271,400; July 2; v. 252; p. 181.
Wertin, John S., Cokedale, Colo. Friction-clutch for shafts. No. 1,269,765; June 18; v. 251; p. 524.
Werts, David E. (See Werts, Perry D. and D. E.)
Werts, Perry D., Belding, Mich., and D. E. Werts, Olympia, Wash. Animal-trap. No. 1,288,777; Dec. 24; v. 257; p. 732.
Wertz, Duff H., assignor to V. Muehl, St. Louis, Mo. Window-screen. No. 1,279,625; Sept. 24; v. 254; p. 700.
Wertz, Joseph W., Anderson, Ind. Self-lighting match case. No. 1,274,967; Aug. 6; v. 253; p. 177.
Werwath, Oscar, Milwaukee, assignor to Kewaunee Mfg. Co., Kewaunee, Wis. Cabinet. No. 1,271,641; July 9; v. 252; p. 282.
Wéry, Emile, Liege, Belgium, assignor to E. C. Brown, Washington, D. C. Hydraulic and spring shock-absorber for automobiles. No. 1,289,583; Dec. 31; v. 257; p. 953.
Werzner, Edward H., assignor to Schroeder Headlight Co., Inc., Evansville, Ind. Headlight. No. 1,252,065; Jan. 1; v. 246; p. 184.
Wesche, Henry, Lasqueti Island, British Columbia, Canada. Toy building-blocks. No. 1,286,462; Dec. 3; v. 257; p. 69.
Wesche, Louis F., Webb, Iowa. Signal. No. 1,254,752; Jan. 29; v. 246; p. 1071.
Wescott-Banker Signal Co., The. (See Wescott, Fred A., assignor.)
Wescott, Fred A., Corning, N. Y., assignor to The Wescott-Banker Signal Co., Inc. Automobile-signal. No. 1,279,054; Sept. 17; v. 254; p. 521.

Wescott, Fred A., Corning, N. Y., assignor to The Wescott-Banker Signal Co., Inc. Automobile-indicator. No. 1,279,055; Sept. 17; v. 254; p. 521.
Wescott, William B. (See Willat and Wescott.)
Weser Bros. Inc. (See Weser, John A., assignor.)
Weser, Elsie L., administratrix. (See Weser, John A.)
Weser, John A., deceased; E. L. Weser, administratrix, assignor to Weser Bros. Inc., New York, N. Y. Talking-machine. No. 1,253,317; Jan. 15; v. 246; p. 608.
Weser, John A., deceased; E. L. Weser, administratrix, assignor to Weser Bros. Inc., New York, N. Y. Automatic controlling device for the motors of pneumatics. No. 1,270,382; June 25; v. 251; p. 713.
Weser, John A., deceased; E. L. Weser, administratrix, assignor to Weser Bros. Inc., New York, N. Y. Tracking device for automatic musical instruments. No. 1,288,778; Dec. 24; v. 257; p. 732.
Weser, John A., deceased; E. L. Weser, administratrix, assignor to Weser Bros. Inc., New York, N. Y. Graphophone. No. 1,289,584; Dec. 31; v. 257; p. 953.
Weser, John A., deceased; E. L. Weser, administratrix, assignor to Weser Bros. Inc., New York, N. Y. Mechanical musical instrument. No. 1,289,585; Dec. 31; v. 257; p. 954.
Wesley, Joseph A. (See Sorenson and Wesley.)
Weslow, Charles, Newark, N. J. Billiard and other game table. No. 1,259,694; Mar. 19; v. 248; p. 571.
Wesolowski, Peter J., Detroit, Mich. Latch. No. 1,266,086; May 14; v. 250; p. 365.
Wesoty, Josef, Kenosha, Wis. Fan attachment for rocking-chairs. No. 1,256,962; Feb. 19; v. 247; p. 618.
Wessel, Ida. (See Ricks, Alva M., assignor.)
Wessel, Karl, St. Paul, Minn. Machine for making insulating-sheets. No. 1,277,510; Sept. 3; v. 254; p. 49.
Wessel, Louis J., Terre Haute, Ind. Condiment-holder. No. 1,265,562; May 7; v. 250; p. 187.
Wessel, Louis J., Rock Island, Ill. Harness-buckle. No. 1,281,450; Oct. 15; v. 255; p. 427.
Wessely, Norbert. (See Fanta and Wessely.)
Wesson, Joseph H., assignor to Smith & Wesson, Springfield, Mass. Revolver and cartridge-clip. No. 1,258,170; Mar. 5; v. 248; p. 64.
Wesson, Joseph H., assignor to Smith & Wesson, Springfield, Mass. Clip-loading machine. No. 1,267,026; May 21; v. 250; p. 656.
West, Bailey H., Makanda, Ill. Stretcher-clamp for woven wire. No. 1,252,869; Jan. 8; v. 246; p. 444.
West, Bailey H., Makanda, Ill. Stump-pulling machine. No. 1,277,163; Aug. 27; v. 253; p. 875.
West, Carl A., Somerville, Mass. Gate for subrailways and the like. No. 1,259,060; Mar. 12; v. 248; p. 362.
West, Carl A., Somerville, Mass. Automobile-fender. No. 1,264,723; Apr. 30; v. 249; p. 1155.
West, Chester R., assignor of one-half to Q. L. Williford, Madison, Ga. Air-pump attachment for automobiles. No. 1,282,506; Oct. 22; v. 255; p. 751.
West, Clifton, London, England. Game. No. 1,284,513; Nov. 12; v. 256; p. 309.
West, Clyde M., Pioche, Nev. Attachment for cooking utensils. No. 1,261,878; Apr. 9; v. 249; p. 282.
West, Earl E., assignor of one-half to E. A. Locke, Bridgeport, Ill. Steering mechanism. No. 1,265,563; May 7; v. 250; p. 188.
West, Edward D., East Point, assignor to J. M. Sanders, Atlanta, Ga. Tire-carrier. No. 1,256,493; Feb. 12; v. 247; p. 444.
West, Emerson C., assignor to The Read & Lovatt Manufacturing Company, Weatherly, Pa. Wound package. No. 1,289,987; Dec. 31; v. 257; p. 1052.
West, Ernest H., Jacksonville, Ala. Glass casket. No. 1,256,409; Feb. 12; v. 247; p. 420.
West, Eva, *et al.* (See Burch, Frederick R., assignor.) (Reissue.)
West, George L., Rockport, Mo. Ice-mitten. No. 1,274,481; Aug. 6; v. 253; p. 41.
West, Harry H., assignor of one-third to T. West, Plymouth, and one-third to L. K. Salsburg, Wilkes-Barre, Pa. Garment-fastener. No. 1,289,024; Dec. 24; v. 257; p. 790.
West, Horatio G., Harrisville, R. I. Locker. No. 1,283,436; Oct. 29; v. 255; p. 1030.
West, James T., Rockingham, N. C. Cotton-seed linter. No. 1,265,014; May 7; v. 250; p. 40.
West, Joe, *et al.* (See Burch, Frederick R., assignor.) (Reissue.)
West, John F., Lancaster, N. Y. Self-adjusting mold-jacket. No. 1,278,805; Sept. 10; v. 254; p. 423.
West, John F., Lancaster, N. Y. Mold-jacket and making the same. No. 1,288,326; Dec. 17; v. 257; p. 593.
West, L. R. (See Meissner, George R., assignor.)
West, Leonard A., Niagara Falls, Ontario, Canada. Fountain-brush. No. 1,256,622; Feb. 19; v. 247; p. 518.
West, Leonidas D. (See Slater and West.)
West, Leonidas D., Denver, Colo. Fuel-saver and smoke-consumer. No. 1,267,295; May 21; v. 250; p. 729.
West, Leonidas D., Denver, Colo. Fuel-saver and smoke-consumer. No. 1,267,296; May 21; v. 250; p. 729.
West, Leonidas D., Denver, Colo. Fuel-saving and smoke-consuming device. No. 1,267,297; May 21; v. 250; p. 730.
West, Leonidas D., Denver, Colo. Furnace-door attachment. No. 1,267,298; May 21; v. 250; p. 730.
West, Leonidas D., Denver, Colo. Stop for furnace-doors. No. 1,267,299; May 21; v. 250; p. 730.
West, Leonidas D., Denver, Colo. Smoke-abator. No. 1,275,339; Aug. 13; v. 253; p. 306.
West Newton Company, The. (See Collins, Roy V., assignor.)
West, Robert, Port Huron, Mich. Pin-guard. No. 1,267,300; May 21; v. 250; p. 730.
West Side Foundry Company. (See Sharp, Howard O., assignor.)
West, Thomas, *et al.* (See West, Harry H., assignor.)
West Virginia Heating and Plumbing Co. (See Shanklin, John R., assignor.)
West Virginia Pulp & Paper Company. (See Drewsen, Viggo, assignor.)
West, Wade H., Pandora, Tex. Peanut-digger. No. 1,268,902; June 11; v. 251; p. 253.
West, William H., Los Angeles, Cal. Direction-indicator. No. 1,262,724; Apr. 16; v. 249; p. 547.
West, William J., Seattle, Wash. Shoe for donkey-sleds. No. 1,273,296; July 23; v. 252; p. 796.
Westberg, Erick, Douglas, N. D. Tool-holding clasp. No. 1,261,080; Apr. 2; v. 249; p. 25.
Westberg, Sigurd, and E. Edwin, Christiania, Norway. Reduction of ores. No. 1,256,623; Feb. 19; v. 247; p. 518.
Westbrook, Francis W., Myton, Utah. Smoke-washer. No. 1,259,695; Mar. 19; v. 248; p. 572.
Westbrook, Homer S., Fort Worth, Tex. Level-indicator. No. 1,284,005; Nov. 5; v. 256; p. 148.
Westbrook, J. F., *et al.* (See Montgomery and Burnham, assignors.)
Westbrook, Leander E., Sanford, Colo. Bread-and cake receptacle. No. 1,280,918; Oct. 8; v. 255; p. 248.
Westbrook, S. H., *et al.* (See Montgomery and Burnham, assignors.)
Westbrook, Westly H., *et al.* (See Blakeslee, Clyde W., assignor.)
Westbury, William, Okmulgee, Okla. Pot construction. No. 1,277,511; Sept. 3; v. 254; p. 50.
Westbury, William, assignor to L. S. Skelton, Okmulgee, Okla. Drawing-ring. No. 1,267,945; May 28; v. 250; p. 940.
Westbury, William, assignor to L. S. Skelton, Okmulgee, Okla. Glass-drawing apparatus. No. 1,276,465; Aug. 20; v. 253; p. 650.
Westby, George C., Ludwig, Nev., assignor to Western Process Company. Process and apparatus for utilizing sulfurous gases with treatment of metalliferous materials. No. 1,266,731; May 21; v. 250; p. 573.
Westby, George C., Ludwig, Nev., assignor to Western Process Company. Process and apparatus for sulfatizing metalliferous ores. No. 1,266,732; May 21; v. 250; p. 573.
Westbye, Peder P., Peterborough, Ontario, Canada. Variable-stroke mechanism. No. 1,256,624; Feb. 19; v. 247; p. 518.
Westcott, Arthur D., Porteau, British Columbia, Canada. Hose-pipe clasp. No. 1,252,637; Jan. 8; v. 246; p. 380.
Westcott Engineering Co. (See Westcott, Oliver J., assignor.)
Westcott, Glen R., Los Angeles, Cal. Wave-motor. No. 1,259,179; Mar. 12; v. 248; p. 396.
Westcott, Oliver J., Maywood, assignor to Westcott Engineering Co., Chicago, Ill. Side-paneled bridge. No. 1,252,066; Jan. 1; v. 246; p. 184.
Westendarp, Henry O., Saugus, Mass., assignor to General Electric Company. Means for controlling and reversing vessels. No. 1,257,165; Feb. 19; v. 247; p. 676.
Westendarp, Henry O., Saugus, Mass., assignor to General Electric Company. Means for controlling and reversing vessels. No. 1,257,298; Feb. 19; v. 247; p. 716.
Westenhaver, John B., Wheeling, W. Va. Sound-box for phonographs. No. 1,259,815; Mar. 19; v. 248; p. 607.
Wester, Emerick, Philadelphia, Pa. Micrometer. No. 1,267,946; May 28; v. 250; p. 940.
Wester, Peter J. (See Rydell, Carl, assignor.)
Westerfield, Granville G., assignor to The Cycle-Flyer Company, Des Moines, Iowa. Cycle-flier. No. 1,269,988; June 18; v. 251; p. 584.
Westerheim, Samuel, Duluth, Minn. Curry-brush. No. 1,259,326; Mar. 12; v. 248; p. 436.
Westerhouse, Lewis, Fort Scott, Kans., assignor to S. Kauffman, St. Louis, Mo. Piston-ring. No. 1,280,343; Oct. 1; v. 255; p. 64.
Western Electric Company. (See Adams, Arthur H., assignor.)
Western Electric Company. (See Adams, Edgar W., assignor.)
Western Electric Company. (See Adams and Polinkowsky, assignors.)
Western Electric Company. (See Anderegg and Mougey, assignors.)
Western Electric Company. (See Anderson, Frederick E., assignor.)
Western Electric Company. (See Baldwin, Charles F., assignor.)
Western Electric Company. (See Bell, John H., assignor.)
Western Electric Company. (See Bellamy, Harry T., assignor.)

Alphabetical list of patentees—Continued.

Western Electric Company. (See Bollinger, Charles, assignor.)
Western Electric Company. (See Booth, William T., assignor.)
Western Electric Company. (See Britten, William G., assignor.)
Western Electric Company. (See Buckley, Oliver E., assignor.)
Western Electric Company. (See Carpenter, Warren W., assignor.)
Western Electric Company. (See Clausen, Henry P., assignor.)
Western Electric Company. (See Clausen and Goodrum, assignors.)
Western Electric Company. (See Colpitts, Edwin H., assignor.)
Western Electric Company. (See Conway, Roy D., assignor.)
Western Electric Company. (See Craft, Edward B., assignor.)
Western Electric Company. (See Craft and Reynolds, assignors.)
Western Electric Company. (See Crandall, Irving B., assignor.)
Western Electric Company. (See Danielson, Oscar A., assignor.)
Western Electric Company. (See Dickinson, Lewis E., assignor.)
Western Electric Company. (See Dixon, Amos F., assignor.)
Western Electric Company. (See Dunham, Bert G., assignor.)
Western Electric Company. (See Egerton, Henry C., assignor.)
Western Electric Company. (See Elmen, Gustaf W., assignor.)
Western Electric Company. (See Englund, Carl R., assignor.)
Western Electric Company. (See Everett, Samuel H., assignor.)
Western Electric Company. (See Fondiller, William, assignor.)
Western Electric Company. (See Ford, William H. D., assignor.)
Western Electric Company. (See Forsberg, Oscar F., assignor.)
Western Electric Company. (See Fowler, Clarence B., assignor.)
Western Electric Company. (See Frederick, Halsey A., assignor.)
Western Electric Company. (See Gargan, John O., assignor.)
Western Electric Company. (See Garvin, John S., assignor.)
Western Electric Company. (See Gauthier, Ernest, assignor.)
Western Electric Company. (See Goodrum, Charles L assignor.)
Western Electric Company. (See Goodrum and Kropp, assignors.)
Western Electric Company. (See Griffin, James T., assignor.)
Western Electric Company. (See Grondahl, Hans H. C., assignor.)
Western Electric Company. (See Guthe, Olof D. M., assignor.)
Western Electric Company. (See Hach, Clarence A., assignor.)
Western Electric Company. (See Hall, John A., assignor.)
Western Electric Company. (See Harlow, John B., assignor.)
Western Electric Company. (See Harrison, Henry C., assignor.)
Western Electric Company. (See Harrison, William H., assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Hazard, Allen B., assignor.)
Western Electric Company. (See Hendrickson, Charles J., assignor.)
Western Electric Company. (See Hinrichsen, Edward E., assignor.)
Western Electric Company. (See Houskeeper, William G., assignor.)
Western Electric Company. (See Hovland, Henry, assignor.)
Western Electric Company. (See Johnson, Kenneth S., assignor.)
Western Electric Company (See Johnson, Lewis H., assignor.)
Western Electric Company. (See Keckler, Charles W., assignor.)
Western Electric Company. (See Kochendorfer, Frederic S., assignor.)
Western Electric Company. (See Kropp, John A., assignor.)
Western Electric Company. (See Landry, George A., assignor.)
Western Electric Company. (See Lattig and Goodrum, assignors.)
Western Electric Company. (See Levinger, David, assignor.)
Western Electric Company. (See Levinger and Anderson, assignors.)
Western Electric Company. (See Lundell, Alben E., assignor.)
Western Electric Company. (See Lundell and Eddy, assignors.)
Western Electric Company. (See Lundell and Stearn, assignors.)
Western Electric Company. (See Lundius, Eric R., assignor.)
Western Electric Company. (See Lundquist, Frank A., assignor.)
Western Electric Company. (See MacDougall, Harry W., assignor.)
Western Electric Company. (See Magrath, Arthur C., assignor.)
Western Electric Company. (See Martin, Harold T., assignor.)
Western Electric Company. (See Mather, George E., assignor.)
Western Electric Company. (See Mather and Bailey, assignors.)
Western Electric Company. (See Matthies, William H., assignor.)
Western Electric Company. (See May, David T., assignor.)
Western Electric Company. (See McBerty, Frank R., assignor.)
Western Electric Company. (See McBerty and Polinkowsky, assignors.)
Western Electric Company. (See McGrath, Maurice K., assignor.)
Western Electric Company. (See McQuarrie, James L., assignor.)
Western Electric Company. (See McQuarrie and Goodrum, assignors.)
Western Electric Company. (See Miller, Daniel D., assignor.)
Western Electric Company. (See Mortimer, Louis A., assignor.)
Western Electric Company. (See Mueller, Emil C., Jr., assignor.)
Western Electric Company. (See Nichols, Harold W., assignor.)
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Western Electric Company. (See Noble, Roy E., assignor.)
Western Electric Company. (See Pennock, George A., assignor.)
Western Electric Company. (See Poole, Frederick P., assignor.)
Western Electric Company. (See Price, Charles S., assignor.)
Western Electric Company. (See Pruessman, Albert, assignor.)
Western Electric Company. (See Quass, Ralph L., assignor.)
Western Electric Company. (See Rainey, Paul M., assignor.)
Western Electric Company. (See Rasmussen, Oswald E., assignor.)
Western Electric Company. (See Reeves, Frank N., assignor.)
Western Electric Company. (See Reeves and Lundell, assignors.)
Western Electric Company. (See Reich, John C., assignor.)
Western Electric Company. (See Reynolds, John N., assignor.)
Western Electric Company. (See Reynolds and Forsberg, assignors.)
Western Electric Company. (See Riecken, William E., assignor.)
Western Electric Company. (See Roberts, John G., assignor.)
Western Electric Company. (See Scribner, Charles E., assignor.)
Western Electric Company. (See Shaw and Fondiller, assignors.)
Western Electric Company. (See Shreeve, Herbert E., assignor.)
Western Electric Company. (See Smith, William F., assignor.)
Western Electric Company. (See Speed, James B., assignor.)
Western Electric Company. (See Sperry, Arthur B., assignor.)
Western Electric Company. (See Stearn, Franklin A., assignor.)
Western Electric Company. (See Stevenson, George H., assignor.)
Western Electric Company. (See Stull, John S., assignor.)
Western Electric Company. (See Swoboda, Adolph R., assignor.)
Western Electric Company. (See Taggart, Dawson M., assignor.)
Western Electric Company. (See Ulrich, Horace W., assignor.)

Alphabetical list of patentees—Continued.

Western Electric Company. (See White, Charles, assignor.)
Western Electric Company. (See Wickstrom, Charles A., assignor.)
Western Electric Company. (See Wilbur, Ray S., assignor.)
Western Electric Company. (See Williams, Samuel B., Jr., assignor.)
Western Electric Company. (See Williams and Clark, assignors.)
Western Electric Company. (See Williams and Sperry, assignors.)
Western Electric Company. (See Wilson, Richard H., assignor.)
Western Electric Company, (See Wotton, James A., assignor.)
Western Electric Company. (See Wright, Joseph L., assignor.)
Western Electric Company. (See Young, Charles R., assignor.)
Western Electric Company. (See Young, Frederick V., assignor.)
Western Gas Fixture Co., The. (See Reiser, Alfred W., assignor.)
Western Process Company. (See Westby, George C., assignor.)
Western Union Telegraph Company, The. (See Benjamin, George R., assignor.)
Western Union Telegraph Company. The. (See Houghtaling, Walter A., assignor.)
Western Union Telegraph Company. (See Howe, Paul J., assignor.)
Western Union Telegraph Company, The. (See Milnor, Joseph W., assignor.)
Western Union Telegraph Company, The. (See Murray, Donald, assignor.)
Western Union Telegraph Company, The. (See Rothermel, Samuel W., assignor.)
Western Wheeled Scraper Company. (See McKnight, Thomas R., assignor.)
Western Wheeled Scraper Company. (See Rhodes, Jay B., assignor.)
Westervelt, Raymond S., Olney, Pa. Turning-in and tucking-in machine. No. 1,280,919; Oct. 8; v. 255; p. 248.
Westfall, Edwin and G., Vinton, Ohio. Locking mechanism for steering apparatus. No. 1,277,800; Sept. 3; v: 254; p. 131.
Westfall, Ely R., U. S. Army. Making animal-muzzles. No. 1.256.625; Feb. 19; v. 247; p. 519.
Westfall, George. (See Westfall, Edwin and G.)
Westfall, Joel H. (See Emenegger and Westfall.)
Westhafer, James S., Braman, Okla. Dirigible-lamp mechanism. No. 1,257,430; Feb. 26; v. 247; p. 787.
Westinghouse Air Brake Company, The. (See Adreon, Robert E., assignor.)
Westinghouse Air Brake Company, The. (See Brown, Thomas R., assignor.)
Westinghouse Air Brake Company, The. (See Cady, William M., assignor.)
Westinghouse Air Brake Company, The. (See Crittenden, Philip L., assignor.)
Westinghouse Air Brake Company, The. (See Dewson, Edward H., assignor.)
Westinghouse Air Brake Company, The. (See Donovan, Patrick H., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Doyle and Hedley, assignors.)
Westinghouse Air Brake Company, The. (See Loudenbeck, Harry C., assignor.)
Westinghouse Air Brake Company, The. (See Newburn, Theodore W., assignor.)
Westinghouse Air Brake Company, The. (See Newell, Edward W., assignor.)
Westinghouse Air Brake Company, The. (See St. John, Ancel, assignor.)
Westinghouse Air Brake Company, The. (See Turner, Walter V., assignor.)
Westinghouse Air Brake Company, The. (See Turner and Cady, assignors.)
Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
Westinghouse Air Spring Company, The. (See Liebau, Richard, assignor.)
Westinghouse Electric and Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric and Manufacturing Company. (See Aalborg and Bakken, assignors.)
Westinghouse Electric and Manufacturing Company. (See Alden, Carroll R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allcutt, Chester T., assignor.)
Westinghouse Electric and Manufacturing Company. (See Allen, Claxton E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Auel, Carl B., assignor.)
Westinghouse Electric & Manufacturing Company, The. (See Baumann, Karl, assignor.)
Westinghouse Electric and Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Beauchamp, Fannon F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Bender, Allan P., assignor.)
Westinghouse Electric and Manufacturing Company. (See Birdsall, Wilfred T., assignor.)
Westinghouse Electric and Manufacturing Company. (See Boddie, Clarence A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Boddie and Bradshaw, assignors.)
Westinghouse Electric and Manufacturing Company. (See Brackett, Quincy A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Bradshaw, William M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Bradshaw and Myllus, assignors.)
Westinghouse Electric and Manufacturing Company. (See Brown, Harold W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Carpenter, David E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Clarke, John A., Jr., assignor.)
Westinghouse Electric and Manufacturing Company. (See Cline, James M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Collinson, John, assignor.)
Westinghouse Electric and Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric and Manufacturing Company. (See Cook, Charles S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Cook, Joel R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Cook and Rudd, assignors.)
Westinghouse Electric and Manufacturing Company. (See Copley, Almon W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Copley and Smith, assignors.)
Westinghouse Electric & Manufacturing Company. (See Coulson, John, assignor.)
Westinghouse Electric and Manufacturing Company. (See Crichton, Leslie N., assignor.)
Westinghouse Electric and Manufacturing Company. (See Curtis, James F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Dann, Walter M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Dann and Rudd, assignors.)
Westinghouse Electric and Manufacturing Company. (See Darrah, William A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Davis, David C., assignor.)
Westinghouse Electric & Manufacturing Company. (See De Camp, Ray E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Dean, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Demmler, Paul E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Denman, Earl W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Dice, Elmer B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Dick, William A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Dicks and Griffith, assignors.)
Westinghouse Electric and Manufacturing Company. (See Dobson, John V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Eby, Earl E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Edgecomb, Henry R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrhart, Raymond N., assignor.)
Westinghouse Electric and Manufacturing Company. (See Elers, Karl F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Farnsworth, Sidney W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ferris, Ralph E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Field, Allan B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Field and Behrend, assignors.)
Westinghouse Electric and Manufacturing Company. (See Field and Fornander, assignors.)
Westinghouse Electric and Manufacturing Company. (See Fix, Frank, assignor.)
Westinghouse Electric and Manufacturing Company. (See Foot, William H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Fortescue, Charles L., assignor.) (Reissue.)
Westinghouse Electric and Manufacturing Company. (See Frederick, Louis T., assignor.)
Westinghouse Electric and Manufacturing Company. (See Garcelon, George H., assignor.)

Alphabetical list of patentees—Continued.

Westinghouse Electric and Manufacturing Company. (See Gilman, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gilson, Christian, assignor.)
Westinghouse Electric and Manufacturing Company. (See Hall, Arthur J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Hartenheim, Max, assignor.)
Westinghouse Electric and Manufacturing Company. (See Hayes, Stephen Q., assignor.)
Westinghouse Electric and Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Hellmund and Starker, assignors.)
Westinghouse Electric and Manufacturing Company. (See Hellmund, Ferris, and Perkins, assignors.)
Westinghouse Electric and Manufacturing Company. (See Hellmund, Meyer, and Candee, assignors.)
Westinghouse Electric and Manufacturing Company. (See Hellmund and Whittaker, assignors.)
Westinghouse Electric & Manufacturing Company. (See Herr, Herbert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Herr and Post, assignors.)
Westinghouse Electric and Manufacturing Company. (See Hiss, Fielder I., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodgkinson, Francis, assignor.)
Westinghouse Electric & Manufacturing Company. (See Holy, George H. F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Jackson, Ray P., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
Westinghouse Electric and Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Jensen, Gunnar, assignor.)
Westinghouse Electric and Manufacturing Company. (See Kaiser, Edward C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kempton, Willard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kicklighter, Charles H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kintzing, Reese T., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kusebauch, Anton K., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kuyser, Jan A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ladoff, Isador, assignor.)
Westinghouse Electric and Manufacturing Company. (See Lamme, Benjamin G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Lawson, Charles S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leblanc, Maurice, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lister, Ronald, assignor.)
Westinghouse Electric and Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lovekin, Luther D., assignor.)
Westinghouse Electric and Manufacturing Company. (See Lum, Walter O., assignor.)
Westinghouse Electric and Manufacturing Company. (See Lustig, Leo, assignor.)
Westinghouse Electric and Manufacturing Company. (See MacGahan, Paul, assignor.)
Westinghouse Electric and Manufacturing Company. (See Mahoney, Joseph N., assignor.)
Westinghouse Electric and Manufacturing Company. (See Mahoney and Austin, assignors.)
Westinghouse Electric and Manufacturing Company. (See Mahoney and MacDonald, assignors.)
Westinghouse Electric and Manufacturing Company. (See Mardis, Paul L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Mateer and MacDonald, assignors.)
Westinghouse Electric and Manufacturing Company. (See Mattman, Emil, assignor.)
Westinghouse Electric and Manufacturing Company. (See McConahey, William M., assignor.)
Westinghouse Electric and Manufacturing Company. (See McCoy, James P. A., assignor.)
Westinghouse Electric and Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric and Manufacturing Company. (See McMahoney, Joseph N., assignor.)
Westinghouse Electric and Manufacturing Company. (See Meyer, Friedrich W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Miller, Frederick H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mills, Chester B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Moard, Ferdinand G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Moore, Ralph W. E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Murray, George H., Jr., assignor.)
Westinghouse Electric and Manufacturing Company. (See Neill, Paul, assignor.)
Westinghouse Electric and Manufacturing Company. (See Newcomb, Harold A., assignor.)
Westinghouse Electric and Manufacturing Company. (See O'Connor, Daniel J., Jr., assignor.)
Westinghouse Electric and Manufacturing Company. (See Olmsted and Boothman, assignors.)
Westinghouse Electric and Manufacturing Company. (See Peck and Eckmann, assignors.)
Westinghouse Electric and Manufacturing Company. (See Perkins, Laurence M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Peters, John F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Procter, Joseph H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Pukerud, Thomas S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Randall, Karl C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Randall and MacDonald, assignors.)
Westinghouse Electric and Manufacturing Company. (See Reed, Emerson G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ricketts, Forrest E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Riley, Lynn G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Rosenberg, Emanuel, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric and Manufacturing Company. (See Scheibe, Harold M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Schmidt, George J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Shepard, Francis H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Shepard and Hellmund, assignors.)
Westinghouse Electric & Manufacturing Company. (See Siegfried and Jungk, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sierad, Albert E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Simmon, Karl A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Simmon and Hall, assignors.)
Westinghouse Electric and Manufacturing Company. (See Simmon and Mardis, assignors.)
Westinghouse Electric and Manufacturing Company. (See Simmon and Morris, assignors.)
Westinghouse Electric and Manufacturing Company. (See Sipher, Edmund F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Smith, Benjamin H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Smith and Copley, assignors.)
Westinghouse Electric and Manufacturing Company. (See Starker, Charles W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Starker and Kronfeld, assignors.)
Westinghouse Electric and Manufacturing Company. (See Steifel, Ira B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Storer, Norman W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Strutt, William, assignor.)
Westinghouse Electric and Manufacturing Company. (See Stull, Emmett W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Taylor, Harold B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric and Manufacturing Company. (See Tirrill, Allen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Trent, Harold E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Trood, Samuel, assignor.)
Westinghouse Electric and Manufacturing Company. (See Tschudy, William, assignor.)
Westinghouse Electric and Manufacturing Company. (See Tschudy and Farnsworth, assignors.)
Westinghouse Electric and Manufacturing Company. (See Turnbull, Lawrence W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Van Deven, William A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Varley, Thomas W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Varney and Beach, assignors.)
Westinghouse Electric and Manufacturing Company. (See Walker, Miles, assignor.)
Westinghouse Electric and Manufacturing Company. (See Walters, Francis S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Webster and Eaton, assignors.)
Westinghouse Electric and Manufacturing Company. (See White, George, Jr., assignor.)

Westinghouse Electric and Manufacturing Company. (See Whittaker, Charles C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Wilson, Charles E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilson, Joseph B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilson, Kempton, and Bastian, assignors.)
Westinghouse Electric & Manufacturing Company. (See Winkle, John R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Wood, Harry M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Wynne, Francis E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Yinger, Robert T., assignor.)
Westinghouse, George, deceased, Pittsburgh, Pa.; H. H. Westinghouse, Kidders, C. A. Terry, New York, N. Y., and W. D. Uptegraff, Pittsburgh, Pa., executors. Automatic train control. No. 1,284,006; Nov. 5; v. 256; p. 149.
Westinghouse, Henry H., *et al.*, executors. (See Westinghouse, George.)
Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
Westinghouse Machine Company, The. (See Herr, Herbert T., assignor.)
Westinghouse, Tracy G., New York, N. Y. Reduced-draft device. No. 1,276,844; Aug. 27; v. 253; p. 789.
Westlake, Albert, New York, N. Y. Mouth-tablet. No. 1,262,888; Apr. 16; v. 249; p. 593.
Westlake, Albert, New York, N. Y., assignor to The Sanseal Corporation. Bottle capping and sealing machine. No. 1,252,377; Jan. 1; v. 246; p. 270.
Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,275,340; Aug. 13; v. 253; p. 306.
Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Trailer-truck for locomotives. No. 1,275,341; Aug. 13; v. 253; p. 306.
Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Brake-rigging. No. 1,282,507; Oct. 22; v. 255; p. 751.
Westlake Machine Company, The. (See Kadow, August, assignor.)
Westling, Eric H., and C. Andersen, said Westling assignor of his one-half to N. W. Stern, San Francisco, Cal. Process of making ferro-molybdenum. No. 1,278,408; Sept. 10; v. 254; p. 317.
Westman, Axel L., Long Island City, N. Y., assignor, by mesne assignments, to Marlin-Rockwell Corporation, New Haven, Conn. Separating-roller for antifriction bearings. No. 1,289,062; Dec. 24; v. 257; p. 799.
Westness, Louis J., Milwaukee, Wis. Demountable window. No. 1,261,984; Apr. 9; v. 249; p. 312.
Westness, Louis J., Milwaukee, Wis. Sash-cord holder. No. 1,268,194; June 4; v. 251; p. 35.
Weston, Clarence B., Marion, Ohio, assignor to Ball Engine Company, Erie, Pa. Power-shovel. No. 1,254,295; Jan. 22; v. 246; p. 909.
Weston, Clarence B., Marion, Ohio, assignor to Ball Engine Company, Erie, Pa. Steam-shovel and the like. No. 1,258,285; Mar. 5; v. 248; p. 97.
Weston, Clarence B., assignor to Ball Engine Company, Erie, Pa. Pulley-block. No. 1,257,431; Feb. 26; v. 247; p. 788.
Weston, David B, Sharon, Mass. Centrifugal separator. No. 1,279,056; Sept. 17; v. 254; p. 522.
Weston, David B, Sharon, Mass. Centrifugal separator. No. 1,279,057; Sept. 17; v. 254; p. 522.
Weston, Edwin J., Jr., Berkeley, assignor of one-tenth to M. Zirker, San Francisco, and one-tenth to J. R. Shelton, Woodland, Cal. Wheel-mounting. No. 1,256,963; Feb. 19; v. 247; p. 618.
Weston Electrical Instrument Company. (See Romain, Burchard P., assignor.)
Weston, Louis B., Brockton, Mass. Means for preventing shoes from treading over. No. 1,254,098; Jan. 22; v. 246; p. 853.
Weston, Milton T., New York, N. Y. Resilient wheel. No. 1,289,586; Dec. 31; v. 257; p. 954.
Weston, Paul, and F. G. Mueller, Scranton, Pa. Self-adjusting bearing-nut. No. 1,278,538; Sept. 10; v. 254; p. 352.
Weston, Percy L., Brisbane, Queensland, Australia. Magnetic belting. No. 1,263,300; Apr. 16; v. 249; p. 708.
Weston, Reginald G., Littleton, Colo. Horn-shaping weight. No. 1,287,540; Dec. 10; v. 257; p. 367.
Weston, Sydney F. (See Adams, Charles, assignor.)
Weston, William S., Houston Heights, Tex. Automatic maximum-speed controller. No. 1,257,565; Feb. 26; v. 247; p. 829.
Weston, William S., Houston Heights, Tex. Anticreeper for railway-rails. No. 1,257,566; Feb. 26; v. 247; p. 829.
Westover, Perry, Clymer, Pa. Signal. No. 1,276,464; Aug. 20; v. 253; p. 650.
Westrich, Alphons L., Tooele, Utah. Roller-clutch. No. 1,288,327; Dec. 17; v. 257; p. 593.
Wetcarbonizing Limited. (See Testrup and Rigby, assignors.)
Wetherall, Leonard U., Chicago, Ill. Sighting means for aeroplanes. No. 1,266,733; May 21; v. 250; p. 574.
Wetherbee, Earl H., St. Paul, Minn. Container. No. 1,284,844; Nov. 12; v. 256; p. 392.
Wetherington, Herbert M., Vanceboro, N. C. Gate. No. 1,252,754; Jan. 8; v. 246; p. 414.
Wetmore, Charles P., assignor to Durant Manufacturing Company, Milwaukee, Wis. Drive for counters. No. 1,261,081; Apr. 2; v. 249; p. 25.
Wetmore, Leslie R., Okmulgee, Okla. Roost for fowls. No. 1,275,342; Aug. 13; v. 253; p. 306.
Wetor, Joseph J., Random Lake, Wis. Display-cabinet. No. 1,255,120; Jan. 29; v. 247; p. 1176.
Wetter, Charles W., St. Gallen, Switzerland. Embroidering-machine. No. 1,274,119; July 30; v. 252; p. 1059.
Wetzel, Edward V. and M., New York, N. Y.; said E. V. Wetzel assignor to said M. Wetzel. Puzzle game. No. 1,257,432; Feb. 26; v. 247; p. 788.
Wetzel, Henry W., Pittsburgh, Pa. Fly-trap. No. 1,279,951; Sept. 24; v. 254; p. 794.
Wetzel, Henry W., Philadelphia, Pa. Fly trap and catcher. No. 1,288,779; Dec. 24; v. 257; p. 732.
Wetzel, Lewis C., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,253,318; Jan. 15; v. 246; p. 608.
Wetzel, Lewis C., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,262,725; Apr. 16; v. 249; p. 547.
Wetzel, Margaret. (See Wetzel, Edward V. and M.)
Wetzler, William H., Chicago, Ill. Power plant. No. 1,258,068; Mar. 5; v. 248; p. 34.
Wever, Claude B., Brooklyn, N. Y. Holder for tooth-brushes and other articles. No. 1,289,025; Dec. 24; v. 257; p. 790.
Wever, John A., Baltimore, Md. Outlet-box support. No. 1,263,177; Apr. 16; v. 249; p. 677.
Wexler, Benjamin, assignor to the Peelle Company, Brooklyn, N. Y. Safety device for vertically-moving doors and window-sashes. No. 1,280,920; Oct. 8; v. 255; p. 249.
Weyand, Christian, Buffalo, N. Y. Gun-muzzle protector. No. 1,258,283; Mar. 5; v. 248; p. 97.
Weydell, Jarl M., Indianapolis, Ind. Starter-generator connection. No. 1,255,369; Feb. 5; v. 247; p. 74.
Weydell, Jarl M., assignor of one-half to E. E. Stout, Indianapolis, Ind. Magnetic clutch. No. 1,271,401; July 2; v. 252; p. 181.
Weyeneth, Alphai and M., Roanoke, Ill. Animal-feeding device. No. 1,258,069; Mar. 5; v. 248; p. 34.
Weyeneth, Michael. (See Weyeneth, Alphai and M.)
Weyer, Theodore G., Chicago, Ill., assignor, by mesne assignments, to The Seng Company. Bed-davenport. No. 1,269,766; June 18; v. 251; p. 525.
Weymer, August F., assignor to The A. F. Weymer Co., Syracuse, and American Broom and Brush Co., Amsterdam, N. Y. Broom-corn seeding and sorting machine. No. 1,265,846; May 14; v. 250; p. 297.
Whale, Charles A., and J. H. Black, Portland, Oreg. Resilient wheel. No. 1,257,433; Feb. 26; v. 247; p. 788.
Whalen, Edward A., and O. R. Illing, New York, N. Y. Crutch. No. 1,283,387; Oct. 29; v. 255; p. 1018.
Whalen, James W., assignor of one-half to W. E. Merryman, Richmond, Ind. Fishing-tackle. No. 1,255,255; Feb. 5; v. 247; p. 40.
Whalen, William A., Philadelphia, Pa. Bread-pan clip. No. 1,285,858; Nov. 26; v. 256; p. 727.
Whalen, William M., Erie, Pa. Slag-pocket. No. 1,288,328; Dec. 17; v. 257; p. 593.
Whaley, Basil H., Brook, Ind. Hog-oiler. No. 1,269,352; June 11; v. 251; p. 379.
Whall, Richard A., Athol, Mass. Tent. No. 1,260,612; Mar. 26; v. 248; p. 873.
Whalley, Enoch, Willimansett, Mass. Truck. No. 1,253,757; Jan. 15; v. 246; p. 736.
Whallon, Clement V., Nampa, Idaho. Repair lid or cap. No. 1,284,514; Nov. 12; v. 256; p. 310.
Wharrad, Lionel A., Redditch, England. Needle scouring and polishing machine. No. 1,265,564; May 7; v. 250; p. 188.
Whartenby, Frank L., Galion, Ohio. Lock for the closures of burial-vaults. No. 1,288,455; Dec. 17; v. 257; p. 624.
Whatley, Alfred H., Providence, R. I. Unreeling device. No. 1,255,966; Feb. 12; v. 247; p. 287.
Wheary, George H., Racine, Wis. Wardrobe-cabinet. No. 1,251,947; Jan. 1; v. 246; p. 149.
Wheary, George H., Racine, Wis. Wardrobe-hanger device. No. 1,262,605; Apr. 9; v. 249; p. 485.
Wheary, George H., Racine, Wis. Foldable garment-hanger fixture. No. 1,262,606; Apr. 9; v. 249; p. 485.
Wheary, George H., Racine, Wis. Removable garment-hanger device. No. 1,262,607; Apr. 9; v. 249; p. 485.
Wheary, George H., Racine, Wis. Trunk-fixture. No. 1,262,608; Apr. 9; v. 249; p. 486.
Wheary, George H., Racine, Wis. Soiled-apparel receptacle. No. 1,264,352; Apr. 30; v. 249; p. 1052.
Wheary, George H., Racine, Wis. Trunk-trimming. No. 1,265,847; May 14; v. 250; p. 298.
Wheary, George H., Racine, Wis. Drawer construction for trunks. No. 1,273,297; July 23; v. 252; p. 796.

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Wheary, George H., Racine, Wis. Garment-hanger fixture. No. 1,276,845; Aug. 27; v. 253; p. 789.
Wheat, George D., Whitehorse, Okla. Wire anchor. No. 1,256,753; Feb. 19; v. 247; p. 555.
Wheatley, Arthur, Philadelphia, Pa. Bed-bottom support. No. 1,255,675; Feb. 5; v. 247; p. 163.
Wheatley, Arthur, Philadelphia, Pa. Mechanical movement. No. 1,262,889; Apr. 16; v. 249; p. 593.
Wheatley, Francis L., Noblesville, Ind. Turning-plow lifting mechanism. No. 1,289,333; Dec. 31; v. 257; p. 892.
Wheatley, Harold V., Edenkillie, Strassburg, Saskatchewan, Canada. Ladder attachment. No. 1,257,056; Feb. 19; v. 247; p. 645.
Wheatly, Wilkins W. (See Taylor and Wheatly.)
Wheaton, Abram W., Newark, N. J., assignor to A. W. Wheaton Brass Works. Self-closing faucet and wrench or handle therefor. No. 1,255,370; Feb. 5; v. 247; p. 74.
Wheaton, Carl M. (See Doble and Wheaton.) (Reissue.)
Wheaton, Grace H., administratrix. (See Doble and Wheaton.) (Reissue.)
Wheaton, John M., South Royalston, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-check. No. 1,265,015; May 7; v. 250; p. 40.
Whedon, Le Grand S., Medina, N. Y. Sofa-bed. No. 1,273,968; July 30; v. 252; p. 1017.
Wheeldon, Arthur L., assignor to Dean's Rag Book Company, Limited, London, England. Stuffed doll. No. 1,262,417; Apr. 9; v. 249; p. 431.
Wheeler Automatic Machine Co. (See Wheeler, Omar A., assignor.)
Wheeler, Clarence W., Chicago, Ill. Hall-button-cut-out switch. No. 1,261,985; Apr. 9; v. 249; p. 312.
Wheeler, Clarence W., Chicago, Ill. Automatic elevator-door lock. No. 1,262,726; Apr. 16; v. 249; p. 548.
Wheeler, Edward H., Hartford, Conn. Buckle. No. 1,268,412; June 4; v. 251; p. 97.
Wheeler, Ernest J., assignor to The United States Spring Bed Company, Springfield, Mass. Folding cot. No. 1,265,848; May 14; v. 250; p. 298.
Wheeler, Frank D., Los Angeles, assignor of one-half to H. Venske, Glendale, Cal. Gas-burner. No. 1,285,512; Nov. 19; v. 256; p. 600.
Wheeler, Frank G., assignor to Bleach Process Company, Appleton, Wis. Electrolyte-feeding device. No. 1,269,666; June 18; v. 251; p. 496.
Wheeler, Frank G., assignor to Bleach Process Company, Appleton, Wis. Electrode. No. 1,279,192; Sept. 17; v. 254; p. 556.
Wheeler, George G., *et al.* (See White, Frank D., assignor.)
Wheeler, Harry J., assignor to I. Ashline and W. J. Brockhouse, Kansas City, Mo. Knockdown basket-stand. No. 1,270,575; June 25; v. 251; p. 771.
Wheeler, James A., Somerset county, N. J. Fireproof floor. No. 1,268,307; June 4; v. 251; p. 68.
Wheeler, James A., Somerset county, and G. Weber, Union Hill, N. J. Fireproof door. No. 1,262,152; Apr. 9; v. 249; p. 357.
Wheeler, John F., Chicago, Ill. Conduit-manhole or the like. No. 1,258,839; Mar. 12; v. 248; p. 298.
Wheeler, John S., Dunsmuir, Cal. Bending-machine. No. 1,263,301; Apr. 16; v. 249; p. 708.
Wheeler, Laban H., Seattle, Wash., assignor to American Iron and Steel Alloy Company. Tiled wall. No. 1,262,890; Apr. 16; v. 249; p. 593.
Wheeler, Le Roy B., New York, N. Y. Automatic folding vehicle-top. No. 1,287,155; Dec. 10; v. 257; p. 274.
Wheeler, Marion B., New York, N. Y. Tire-building machine. No. 1,266,364; May 14; v. 250; p. 440.
Wheeler, Morris J., Peterboro, N. H. Box-heading machine. No. 1,288,329; Dec. 17; v. 257; p. 594.
Wheeler, Omar A., Portland, Oreg., assignor to Wheeler Automatic Machine Co. Work-holder for automatic sewing-machines. No. 1,270,996; July 2; v. 252; p. 70.
Wheeler, Otis O., Chippewa Falls, Wis. Adjustable drawing-table. No. 1,258,510; Mar. 5; v. 248; p. 163.
Wheeler, Wells. (See Dunham, William S., assignor.)
Wheeler, William, Brooklyn, N. Y. Electrical fuel-vaporizer. No. 1,264,724; Apr. 30; v. 249; p. 1156.
Wheeler, William T., Nashville, Oreg. Combination-tool. No. 1,285,513; Nov. 19; v. 256; p. 600.
Wheeling Corrugating Company. (See Clemons, Harry K., assignor.)
Wheelock, Jesse F., Dobbins, Cal. Electric water-heater. No. 1,265,849; May 14; v. 250; p. 298.
Wheelock, John H. (See Emmerling, Wheelock, and Rohland.)
Wheelwright, Henry M., Ware, assignor to Feculose Company of America, Worcester, Mass. Apparatus for sizing paper. No. 1,258,840; Mar. 12; v. 248; p. 299.
Wheildon, William M., Ashland, assignor to E. H. Angier, Framingham, Mass. Reinforced paper and making the same. No. 1,269,140; June 11; v. 251; p. 320.
Wheildon, William M., Ashland, assignor to E. H. Anjier, Framingham, Mass. Collapsible container. No. 1,278,806; Sept. 10; v. 254; p. 424.
Whelan, Michael J., Muskegon, Mich., assignor to Brunswick-Balke-Collender Co. Closet-seat. No. 1,273,703; July 23; v. 252; p. 905.
Whelpley, Charles W. (See Coleman, Stephen L. C., assignor.)
Whelpley, Frederick W., and F. A. Bicknell, Greenfield, Mass. Reversing mechanism for taps, drills, etc. No. 1,277,011; Aug. 27; v. 253; p. 833.
Whetstone, Alfred, Mount Carmel, Pa. Window or door screen. No. 1,268,653; June 4; v. 251; p. 167.
Whetstone, Irene B., Chicago, Ill. Spacing and securing anchor. No. 1,264,238; Apr. 30; v. 249; p. 1021.
Whetstone, Newell E., Poland, Ohio. Combination swing, cradle, and crate. No. 1,259,061; Mar. 12; v. 248; p. 362.
Whetstone, Newell E., Poland, Ohio. Conduit or culvert mold. No. 1,275,115; Aug. 6; v. 253; p. 218.
Whetton, Thomas H., Hamilton, Ontario, Canada. Window-blind. No. 1,268,413; June 4; v. 251; p. 98.
Wheway, Sydney B., Walsall, England. Fastening and tensioning device for chains. No. 1,264,725; Apr. 30; v. 249; p. 1156.
Whichello, Norman, Muskegon, Mich., assignor to Manning, Maxwell & Moore Inc., New York, N. Y. Friction device. No. 1,285,859; Nov. 26; v. 256; p. 728.
Whidden, Ernest D., Elyria, Ohio. Wheel for toy vehicles. No. 1,256,086; Feb. 12; v. 247; p. 323.
Whidden, Heenan T., Labelle, Fla. Harrow. No. 1,285,514; Nov. 19; v. 256; p. 600.
Whidden, Joseph E., Whitman, Mass. Glide-caster. No. 1,263,974; Apr. 23; v. 249; p. 915.
Whipple, Amos E., assignor to Whitin Machine Works, Whitinsville, Mass. Spindle-driving mechanism. No. 1,258,841; Mar. 12; v. 248; p. 299.
Whipple, Charles H., Walkerville, Ontario, Canada, assignor to A. D. Wilt, Jr., Detroit, Mich. Machine for manufacturing twist-drills and other articles. No. 1,254,753; Jan. 29; v. 246; p. 1071.
Whipple, George W., and C. H. Baldwin, Cherryvale, Kans., assignors to Edgar Zinc Company. Retort-charging machine. No. 1,274,120; July 30; v. 252; p. 1060.
Whipple, Henry P., Rochester, N. Y. Universal center-finder. No. 1,274,647; Aug. 6; v. 253; p. 88.
Whipple, Leland B. (See Schelter and Whipple.)
Whipple, Nelson M., *et al.* (See McCue, Leo, assignor.)
Whipple, Roy C., Bloomville, N. Y. Milk-pail attachment. No. 1,284,515; Nov. 12; v. 256; p. 310.
Whisenant, David A., Goldsboro, Tex. Cultivator. No. 1,262,418; Apr. 9; v. 249; p. 432.
Whisinnand, Harry L., Hermes, Colo. Pen and pencil holder. No. 1,263,975; Apr. 23; v. 249; p. 916.
Whisler, Chauncey P. (See Lerch and Whisler.)
Whistler, David B., assignor to The American Railways Equipment Company, Dayton, Ohio. Coin-ticket-registering fare-box. No. 1,267,343; May 21; v. 250; p. 742.
Whistler, David B., assignor to The American Railway Equipment Company, Dayton, Ohio. Fare-separating device. No. 1,276,144; Aug. 20; v. 253; p. 560.
Whistler, John F., Havana, Kans. Antiskid device. No. 1,277,278; Aug. 27; v. 253; p. 904.
Whitaker, Arnold R. (See Jeavons and Whitaker.)
Whitaker, Dillard A., and H. W. Thayer, Sacramento, Cal. Life-boat. No. 1,273,298; July 23; v. 252; p. 796.
Whitaker, Edgar A., assignor to C. N. Richardson, Providence, R. I. Aerial ladder-truck. No. 1,256,964; Feb. 19; v. 247; p. 619.
Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Electrical apparatus. No. 1,263,976; Apr. 23; v. 249; p. 916.
Whitaker, George S., Wilkes-Barre, Pa. Dental retainer and making same. No. 1,253,654; Jan. 15; v. 246; p. 706.
Whitaker-Glessner Company. (See Day, Edgar K., assignor.)
Whitaker-Glessner Company. (See Hunker, Martin L., assignor.)
Whitaker, James S., assignor of one-half to H. C. Wilson, San Francisco, Cal. Boat-propeller. No. 1,253,918; Jan. 15; v. 246; p. 781.
Whitaker, John, North Wales, Pa. Printing device. No. 1,280,921; Oct. 8; v. 255; p. 249.
Whitaker, Lloyd D., Farmville, Va. Spring-tensioned closure for receptacles. No. 1,252,870; Jan. 8; v. 246; p. 444.
Whitaker, Lloyd D., Farmville, Va. Pan-lifter. No. 1,256,626; Feb. 19; v. 247; p. 519.
Whitaker Manufacturing Company, The. (See Rumpf, John L., assignor.)
Whitaker, Nelson B., Providence, R. I. Anchoring means for artificial teeth. No. 1,279,805; Sept. 24; v. 254; p. 752.
Whitaker, Norman T. (See McGhee, James F., assignor.)
Whitaker, Samuel T., assignor of fifty-one one-hundredths to R. B. Small, Columbus, Ga. Crimped-bottle-cap remover. No. 1,267,152; May 21; v. 250; p. 692.
Whitaker, Samuel T., assignor of fifty-one one-hundredths to R. B. Small, Columbus, Ga. Crimped-bottle-cap remover. No. 1,267,153; May 21; v. 250; p. 692.
Whitaker, Samuel T., assignor of fifty-one one-hundredths to R. B. Small, Columbus, Ga. Cap-remover. No. 1,267,154; May 21; v. 250; p. 692.
Whitaker, Samuel T., and R. B. Small, Columbus, Ga. Bottle-cap remover. No. 1,267,155; May 21; v. 250; p. 692.

Whitall Tatum Company. (See Figgis, Walter W., assignor.)
Whitall-Tatum Company. (See Scull, James P., assignor.)
Whitbeck, John V., assignor to The Chandler Motor Car Company, Cleveland, Ohio. Combined trap and gasolene-strainer. No. 1,254,754; Jan. 29; v. 246; p. 1072.
Whitcomb, Kingsley M., Philadelphia, Pa., and C. B. Briggs, Shelton, Conn. Metal bed or crib. No. 1,289,988; Dec. 31; v. 257; p. 1052.
Whitcomb, Waldo E., Winnebago, Nebr. Grain-drier and storage-bin. No. 1,284,007; Nov. 5; v. 256; p. 149.
Whitcoon, Ernest M., Springfield, Mass. Umbrella. No. 1,289,334; Dec. 31; v. 257; p. 892.
Whitcraft, Arthur, Rochester, N. Y., assignor to American Manganese Steel Company, Augusta, Me. Temporary sectional railway-track. No. 1,281,451; Oct. 15; v. 255; p. 427.
White, Adelaide W., Syracuse, N. Y. Hose-supporter. No. 1,276,145; Aug. 20; v. 253; p. 561.
White, Albert L., and T. H. Webb, Portsmouth, Va. Flexible pipe-joint. No. 1,279,806; Sept. 24; v. 254; p. 752.
White, Alexander P., Caldwell, N. J. Composite lath. No. 1,276,146; Aug. 20; v. 253; p. 561.
White, Alexander P., Caldwell, N. J. Composite lath. No. 1,276,147; Aug. 20; v. 253; p. 561.
White, Alexander P., Caldwell, N. J. Fibrous building material. No. 1,281,452; Oct. 15; v. 255; p. 427.
White, Alexander P., Caldwell, N. J. Fibrous building material. No. 1,281,453; Oct. 15; v. 255; p. 427.
White, Alexander P., Caldwell, N. J., assignor to General Fireproofing Company, Youngstown, Ohio. Electric welding. No. 1,281,454; Oct. 15; v. 255; p. 428.
White, Allen, Olympia, Wash. Dirigible headlight for automobiles. No. 1,258,842; Mar. 12; v. 248; p. 299.
White, Ambrose H., Brooklyn, N. Y., assignor to International Paper Company. Test-valve mechanism for drying-cylinders. No. 1,251,602; Jan. 1; v. 246; p. 47.
White-American Locomotive Sander Company. (See White, William H., assignor.)
White, Arthur E. (See White, Celestine H. and A. E.)
White, Benjamin O., Indianapolis, Ind. Combined piston and ring. No. 1,286,463; Dec. 3; v. 257; p. 69.
White, Bert W., Conde, S. D. Feeder for corn-shredders. No. 1,254,953; Jan. 29; v. 246; p. 1131.
White, Birdora H., Chicago, Ill. Garment-supporter. No. 1,268,308; June 4; v. 251; p. 68.
White, Birdora H., Chicago, Ill. Garment-supporter. No. 1,281,110; Oct. 8; v. 255; p. 300.
White Brass Castings Company. (See Koranek, John, assignor.)
White, Bruce C., Woonsocket, R. I., assignor to R. Hoe and Co., New York, N. Y. Web-feeding mechanism. No. 1,268,134; June 4; v. 251; p. 19.
White, Bruce C., assignor to R. Hoe and Co., New York, N. Y. Cleaning device for printing-machine inking mechanism. No. 1,269,767; June 18; v. 251; p. 525.
White, Carl, Jr., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Automatic finger-latch elevator. No. 1,276,297; Aug. 20; v. 253; p. 602.
White, Celestine H. and A. E., Los Angeles, Cal. Ironing-board. No. 1,279,952; Sept. 24; v. 254; p. 794.
White, Charles, Baltimore, Md. Wind-shield-treating device. No. 1,273,434; July 23; v. 252; p. 833.
White, Charles, Yoder, Colo. Cooling system. No. 1,277,512; Sept. 3; v. 254; p. 50.
White, Charles, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,287,805; Dec. 17; v. 257; p. 467.
White, Charles D., Norwich, Conn. Spinning-frame. No. 1,280,922; Oct. 8; v. 255; p. 250.
White, Charles E. (See Hasbrouck and White.)
White, Charles E., Ruleton, Kans., assignor to Bull Tractor Company, Minneapolis, Minn. Tractor-coupling device. No. 1,267,027; May 21; v. 250; p. 656.
White, Charles E., assignor to Deere & Mansur Company, Moline, Ill. Planting mechanism. No. 1,286,464; Dec. 3; v. 257; p. 69.
White, Charles E., Moline, Ill., assignor to Deere & Mansur Company. Planter. No. 1,287,541; Dec. 10; v. 257; p. 367.
White, Charles E., Moline, Ill., assignor to Deere & Mansur Co. Disk harrow. No. 1,289,989; Dec. 31; v. 257; p. 1053.
White, Charles H., assignor of one-third to F. W. Goodrich, Glenwood Springs, Colo. Mail catching and delivering means. No. 1,255,371; Feb. 5; v. 247; p. 75.
White, Clarence, Denver, Colo., assignor to H. F. Clark, Washington, D. C. Motor and motor control. No. 1,264,726; Apr. 30; v. 249; p. 1156.
White, Clarence, Denver, Colo., assignor to H. F. Clark, Washington, D. C. Valve-control means. No. 1,264,727; Apr. 30; v. 249; p. 1156.
White, Clarence G. (See White, Rollin H. and C. G.)
White, Clinton E., Irvington, N. J. Adjustable music-roll spool for automatic musical instruments. No. 1,251,603; Jan. 1; v. 246; p. 48.
White, Debert M., *et al.* (See Bauman, Frank J., assignor.)
White, D'Orsay M., assignor to Cadillac Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,276,846; Aug. 27; v. 253; p. 790.
White, Dick C., assignor to Far West Manufacturing Co., Albany, Oreg. Ladder. No. 1,253,114; Jan. 8; v. 246; p. 520.
White, Eber B., South Bend, Ind. Valve-grinding tool. No. 1,268,309; June 4; v. 251; p. 68.
White, Edward, Hawthorne, N. J. Blanket washing and drying machine. No. 1,270,351; June 25; v. 251; p. 708.
White, Edward L., Brooklyn, N. Y. Instep-arch supporter. No. 1,279,193; Sept. 17; v. 254; p. 557.
White, Edwin J., Medford, Oreg. Mechanical doll. No. 1,285,515; Nov. 19; v. 256; p. 600.
White, Edwin L., Brooklyn, N. Y. Holder for light-transmitting bowls and reflectors. No. 1,252,067; Jan. 1; v. 246; p. 184.
White, Edwin L., Brooklyn, N. Y. Holder for light-transmitting bowls. No. 1,252,977; Jan. 8; v. 246; p. 478.
White, Edwin L., Brooklyn, N. Y. Lighting-fixture. No. 1,270,081; June 18; v. 251; p. 609.
White, Edwin L., Brooklyn, N. Y. Combined bowl-hanger and socket-support. No. 1,270,904; July 2; v. 252; p. 43.
White, Edwin L., Brooklyn, N. Y. Hanger for light-transmitting bowls. No. 1,275,809; Aug. 13; v. 253; p. 436.
White, Elmer E., Cato, N. Y. Kodak-case. No. 1,260,737; Mar. 26; v. 248; p. 909.
White, Ernest C., Westmount, Canada, assignor, by mesne assignments, to Duplexalite Corporation, New York, N. Y. Swing-joint for lighting-fixtures. No. 1,279,807; Sept. 24; v. 254; p. 752.
White, Ernest M., Detroit, Mich. Splash-oiling system. No. 1,256,754; Feb. 19; v. 247; p. 555.
White, Everett H., St. Paul, Minn. Apparatus for regulating heating systems. No. 1,263,497; Apr. 23; v. 249; p. 786.
White, Everett H., St. Paul, Minn. Heat-regulator. No. 1,271,815; July 9; v. 252; p. 329.
White, Frank, Summitville, N. Y. Stabilizer for flying-machines. No. 1,286,860; Dec. 3; v. 257; p. 160.
White, Frank A., Cleveland, Ohio. Dispensing-faucet. No. 1,261,986; Apr. 9; v. 249; p. 312.
White, Frank D., assignor of one-half to A. M. Chadbourne, Providence, and one-half to G. G. Wheeler, Cranston, R. I. Combined cigar holder and piercer. No. 1,263,977; Apr. 23; v. 249; p. 916.
White, Frank R., Washington, D. C. Reinforced-concrete ship construction. No. 1,258,726; Mar. 12; v. 248; p. 265.
White, Franklin P., Shallotte, N. C. Radius-rod for automobiles. No. 1,274,482; Aug. 6; v. 253; p. 41.
White, Franklin R., assignor to Patent Button Company, Waterbury, Conn. Clutch mechanism for button-attaching machines. No. 1,256,755; Feb. 19; v. 247; p. 555.
White, Fred E., and F. E. Hooper, assignors to Central Oil & Gas Stove Company, Gardner, Mass. Oil-stove. No. 1,273,209; July 23; v. 252; p. 774.
White, Fred E., and F. E. Hooper, assignors to Central Oil & Gas Stove Company, Gardner, Mass. Oil-stove. No. 1,273,210; July 23; v. 252; p. 774.
White, Fred E., and F. E. Hooper, assignors to Central Oil & Gas Stove Company, Gardner, Mass. Oil-stove burner. No. 1,282,663; Oct. 22; v. 255; p. 794.
White, Frederick. (See Blease and White.)
White, Frederick H., New York, N. Y. Screw-driver. No. 1,271,816; July 9; v. 252; p. 329.
White, Frederick H., New York, N. Y. Screw-driver. No. 1,275,810; Aug. 13; v. 253; p. 436.
White, George, assignor to P. Panoulias, Jersey City, N. J. Conveying or supplying mechanism. No. 1,266,734; May 21; v. 250; p. 574.
White, George, assignor to P. Panoulias, Jersey City, N. J. Coating-machine. No. 1,285,516; Nov. 19; v. 256; p. 600.
White, George, Jersey City, N. J.; G. S. and G. R. Baker, London, England, assignors to P. D. Panoulias, Jersey City, N. J. Apparatus for decorating confectionery and the like. No. 1,268,195; June 4; v. 251; p. 35.
White, George, Jr., Swissvile, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer-tank. No. 1,288,330; Dec. 17; v. 257; p. 594.
White, George E., Grand Island, Nebr. Shipping-crate. No. 1,278,409; Sept. 10; v. 254; p. 317.
White, George H. (See Snook and White.)
White, George H., Greeley, Colo. Computing-square. No. 1,288,331; Dec. 17; v. 257; p. 594.
White, George P., Parsons, Kans., assignor of one-half to S. P. Alquist, Detroit, Mich. Furnace. No. 1,252,210; Jan. 1; v. 246; p. 223.
White, George S., Nashville, Tenn. Burial-casket. No. 1,289,990; Dec. 31; v. 257; p. 1053.
White, George T., assignor of one-half to J. N. Ellison, Portsmouth, Ohio. Water-strainer for pumps and the like. No. 1,274,121; July 30; v. 252; p. 1060.
White, Harold C., Stockton, Cal., assignor to The Holt Manufacturing Company. Safety-guard for spring-seats. No. 1,258,609; Mar. 5; v. 248; p. 193.
White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow supporting and clamping device. No. 1,279,194; Sept. 17; v. 254; p. 557.

White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,285,517; Nov. 19; v. 256; p. 601.
White, Harry L. (See Brogniez, Harvey O., assignor.)
White, Harry T., Detroit, Mich. Threading-tool for automatic machines. No. 1,281,455; Oct. 15; v. 255; p. 428.
White Heat Products Company. (See Sharples, Philip M., assignor.)
White, Henderson N., Cleveland, Ohio. Cornet. No. 1,277,012; Aug. 27; v. 253; p. 833.
White, Henderson N., Cleveland, Ohio. Cornet. No. 1,277,013; Aug. 27; v. 253; p. 834.
White, Henry W., New Orleans, La. Asphalt-shingle fastener. No. 1,270,905; July 2; v. 252; p. 43.
White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Expanded-metal product. No. 1,268,903; June 11; v. 251; p. 254.
White, Homer E. (See Smith, Joseph W., assignor.)
White, Isaac N., Chicago, Ill. Demountable wheel. No. 1,265,565; May 7; v. 250; p. 188.
White, James, Tampa, Fla. Dividers. No. 1,269,027; June 11; v. 251; p. 288.
White, James, assignor of one-half to R. R. Coyne, Webb City, Mo. Means for connecting shells to cores or hubs. No. 1,282,341; Oct. 22; v. 255; p. 707.
White, James L., Buffalo, Tex. Automatic circuit-closer attachment for telegraph-keys. No. 1,264,465; Apr. 30; v. 249; p. 1085.
White, James L., Buffalo, Tex. Self-lighting lamp-burner. No. 1,277,014; Aug. 27; v. 253; p. 834.
White, James L., and S. C. Baker, Southampton, N. Y. Grease-gun. No. 1,268,654; June 4; v. 251; p. 167.
White, James W., Bainbridge, Ga. Mail catcher and deliverer. No. 1,289,335; Dec. 31; v. 257; p. 892.
White, Joel K., La Crosse, Wis. Belt-lacing. No. 1,264,239; Apr. 30; v. 249; p. 1022.
White, John A., assignor of one-half to W. P. Wood, Oceanpark, Cal. Spring-latch protector. No. 1,252,524; Jan. 8; v. 246; p. 347.
White, John F., Chicago, Ill. Machine for heating coated fabric. No. 1,266,735; May 21; v. 250; p. 574.
White, John H., North Yakima, Wash. Dimmer for headlights. No. 1,272,746; July 16; v. 252; p. 620.
White, John P. F., Washington, D. C. Receptacle-closure. No. 1,268,904; June 11; v. 251; p. 254.
White, John R. (See Martin and White.)
White, John W., Jr., Oakland, assignor to Industrial Equipment Company, San Francisco, Cal. Transmission. No. 1,263,827; Apr. 23; v. 249; p. 873.
White, Joseph, Piscataway township, N. J., assignor to Hall Printing Press Company, Dunellen, N. J. Sheet-feeding mechanism. No. 1,288,780; Dec. 24; v. 257; p. 732.
White, Joseph A., assignor to The Moore and White Company, Philadelphia, Pa. Friction-clutch. No. 1,272,745; July 16; v. 252; p. 620.
White, Leverett E., Springfield, Mass., assignor to The Steel Products Company, Plantsville, Conn. Fastening means. No. 1,281,456; Oct. 15; v. 255; p. 428.
White, Leverett E., Springfield, Mass., assignor to The Steel Products Company, Hartford, Conn. Connecting device. No. 1,262,419; Apr. 9; v. 249; p. 432.
White, Lewis B., Manson, N. C., assignor of one-half to A. H. Mylin, Lancaster, Pa. Kerosene-vaporizer. No. 1,267,484; May 28; v. 250; p. 808.
White, Louis A., Brooklyn, N. Y. Magnetic valve. No. 1,271,108; July 2; v. 252; p. 100.
White, Mark B., Hanover, Ill. Winding-machine. No. 1,268,905; June 11; v. 251; p. 254.
White, Maurice E., Norristown, Pa. Pipe-covering band. No. 1,257,166; Feb. 19; v. 247; p. 676.
White, Melbourne W., Cliftondale, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Reinforced leather and making the same. No. 1,259,180; Mar. 12; v. 248; p. 396.
White Mop-Wringer Company. (See Brace, Richard A., assignor.)
White Motor Company, The. (See Farmer, Frank H., assignor.)
White Motor Company, The. (See Scaife, Richard C., assignor.)
White Motor Company, The. (See White, Rollin H., assignor.)
White Motor Company, The. (See Williams, Fred H., assignor.)
White, Noah R., Delta, Colo. Milk and mail receptacle. No. 1,274,224; July 30; v. 252; p. 1089.
White, Oliver C., Gardena, Cal. Egg-grader. No. 1,259,181; Mar. 12; v. 248; p. 397.
White, Otis. (See Hodde and White.)
White, Otis, assignor to Sangamo Electric Company, Springfield, Ill. Driving mechanism for graphic recording instruments. No. 1,282,664; Oct. 22; v. 255; p. 794.
White, Otis, assignor to Sangamo Electric Company, Springfield, Ill. Electricity-meter. No. 1,285,518; Nov. 19; v. 256; p. 601.
White, Pierce L., McCormick, S. C. Cushioned wheel. No. 1,272,161; July 9; v. 252; p. 429.
White, Ray H. (See Saunders and White.)
White, Ray H., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Producing crystalline alumina. No. 1,269,141; June 11; v. 251; p. 320.
White, Richard C., Jacksonville, Fla. Deflector for electric fans. No. 1,285,519; Nov. 19; v. 256; p. 601.
White, Richard P., Chicago, Ill. Bail-ear for vessels. No. 1,285,860; Nov. 26; v. 256; p. 728.
White, Robert W., Eastondale, Mass. Pie-container. No. 1,257,057; Feb. 19; v. 247; p. 646.
White, Rollin H., Cleveland, Ohio. Multicylinder internal-combustion engine. No. 1,285,861; Nov. 26; v. 256; p. 728.
White, Rollin H., Shaker Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Tractor. No. 1,253,319; Jan. 15; v. 246; p. 608.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Endless track of track-laying tractors. No. 1,261,082; Apr. 2; v. 249; p. 26.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track-laying tractor. No. 1,270,576; June 25; v. 251; p. 771.
White, Rollin H., Cleveland, assignor to The Cleveland Tractor Company, Euclid, Ohio. Tractor-frame. No. 1,275,343; Aug. 13; v. 253; p. 307.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track-laying tractor. No. 1,275,344; Aug. 13; v. 253; p. 307.
White, Rollin H., Cleveland Heights, Ohio, and C. G. White, Haiku, Hawaii, assignors to The Cleveland Tractor Company, Euclid, Ohio. Agricultural machine. No. 1,258,286; Mar. 5; v. 248; p. 98.
White, Rollin H., Cleveland, Ohio, and C. G. White, Haiku, Hawaii, assignors to The Cleveland Tractor Company, Euclid, Ohio. Power-propelled agricultural machinery. No. 1,260,738; Mar. 26; v. 248; p. 910.
White, Rollin H., Cleveland Heights Village, assignor, by mesne assignments, to The White Motor Company, Cleveland, Ohio. Motor-vehicle. No. 1,268,411; June 4; v. 251; p. 97.
White, Rollin H., South Euclid, assignor to The Cleveland Tractor Company, Euclid, Ohio. Agricultural machine. No. 1,269,028; June 11; v. 251; p. 288.
White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Steering-wheel. No. 1,259,182; Mar. 12; v. 248; p. 397.
White, Samuel T., Davenport, Iowa. Mechanical movement. No. 1,263,498; Apr. 23; v. 249; p. 786.
White, Samuel T., Davenport, Iowa. Driving mechanism for washing-machines. No. 1,275,512; Aug. 13; v. 253; p. 352.
White Sewing Machine Company, The. (See Colegrove, Charles E., assignor.)
White Sewing Machine Company. (See Jirouch, Bohumil L., assignor.)
White, Thomas C. C. B., Cowley, Alberta, Canada. Tumbling toy. No. 1,272,588; July 16; v. 252; p. 574.
White, Walter M., Rockymount, Va. Display-rack for gloves. No. 1,253,320; Jan. 15; v. 246; p. 609.
White, Walter W., High Holborn, London, England. Separation of volatile products from solid carbonaceous material. No. 1,257,772; Feb. 26; v. 247; p. 889.
White, Warren H., Tacoma, Wash. Beverage extract. No. 1,276,298; Aug. 20; v. 253; p. 602.
White, William A., Palmetto Bluff, S. C. Lamp-chimney cleaner. No. 1,283,610; Nov. 5; v. 256; p. 45.
White, William B., Colne, England. Oven, boiler, radiator, and the like. No. 1,288,332; Dec. 17; v. 257; p. 594.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. No. 1,273,789; July 23; v. 252; p. 927.
White, William E. (See Hylton, John A., assignor.)
White, William E., Graham, N. C. Mitten. No. 1,277,015; Aug. 27; v. 253; p. 834.
White, William E., Saskatoon, Saskatchewan, Canada. Boxing. No. 1,284,008; Nov. 5; v. 256; p. 149.
White, William H., Holmes, N. Y. Mail-transferring apparatus. No. 1,263,828; Apr. 23; v. 249; p. 874.
White, William H., assignor to White-American Locomotive Sander Company, Roanoke, Va. Sanding device for locomotives. No. 1,252,211; Jan. 1; v. 246; p. 223.
White, William H., assignor to White American Locomotive Sander Company, Incorporated, Roanoke, Va. Locomotive sanding device. No. 1,263,722; Apr. 23; v. 249; p. 845.
Whited, William H., and E. N. Gilstrap, Lincoln, Nebr. Saw. No. 1,286,465; Dec. 3; v. 257; p. 69.
White, William M., Milwaukee, Wis. Discharge-chamber for water-wheels. No. 1,264,728; Apr. 30; v. 249; p. 1156.
White, William M., Milwaukee, Wis. Discharge-chamber for water-wheels. No. 1,264,729; Apr. 30; v. 249; p. 1157.
White, William M., Milwaukee, Wis. Return-regainer. No. 1,264,730; Apr. 30; v. 249; p. 1157.
White, William M., Milwaukee, Wis. Hydraulic regainer. No. 1,273,557; July 23; v. 252; p. 866.
White, William M., Milwaukee, Wis. Method of increasing head. No. 1,273,558; July 23; v. 252; p. 866.

White, William M., Milwaukee, Wis. Spiral regainer. No. 1,273,559; July 23; v. 252; p. 867.
White, William M., Milwaukee, Wis. Apparatus for increasing head. No. 1,273,704; July 23; v. 252; p. 905.
White, William M., Milwaukee, Wis. Apparatus for regaining head. No. 1,273,705; July 23; v. 252; p. 905.
White, Wilson E., Detroit, and B. Gwatkin and V. E. Randall, Battle Creek, Mich. Portable emergency train flag-stop for railways. No. 1,279,058; Sept. 17; v. 254; p. 522.
Whitecotton, Oscar, Akron, Ohio. Pipe-bending tool. No. 1,284,516; Nov. 12; v. 256; p. 310.
Whitehead, Albert H., Hood River, Oreg. Sizing-machine. No. 1,275,513; Aug. 13; v. 253; p. 353.
Whitehead, Albert H., Hood River, Oreg. Collar-fastener. No. 1,280,605; Oct. 1; v. 255; p. 136.
Whitehead, George E., Millbury, and J. F. Marshall, assignors to Whitin Machine Works, Whitinsville, Mass. Feeler device for looms. No. 1,258,727; Mar. 12; v. 248; p. 265.
Whitehead & Hong Company, The. (See Page, Herman C., assignor.)
Whitehead, John B., Baltimore, Md. High-voltage-measuring instrument. No. 1,259,696; Mar. 19; v. 248; p. 572.
Whitehead, John S., Sullivan, Ind. Underground anchor. No. 1,255,676; Feb. 5; v. 247; p. 163.
Whitehead, John W., Chicago, Ill. Theatrical runway. No. 1,255,256; Feb. 5; v. 247; p. 41.
Whitehead, Ralph C., Hamilton, Ohio. Disk-cultivator attachment. No. 1,258,287; Mar. 5; v. 248; p. 98.
Whitehead, Morris & Company. (See Morris and Bryant, assignors.)
Whitehead, Robert L., Perth Amboy, N. J. Electrolytic apparatus. No. 1,287,156; Dec. 10; v. 257; p. 274.
Whitehouse, George H., and A. Cook, West Bromwich, assignors to George H. Alexander, Birmingham, England. Screwing-machine. No. 1,277,801; Sept. 3; v. 254; p. 131.
Whitehurst, John L. (See Newton, James, assignor.)
Whitehurst, John L., and C. H. Wild, Baltimore, Md., assignors to Burt Machine Company. Machine for casing or boxing cans. No. 1,253,997; Jan. 15; v. 246; p. 803.
Whitelaw, James, St. Louis, Mo. Blindstitch sewing-machine. No. 1,287,157; Dec. 10; v. 257; p. 275.
Whiteker, Bosque M., Haskell, Tex. Game and toy apparatus. No. 1,282,342; Oct. 22; v. 255; p. 707.
Whitelaw, John F. (See Anderson, Clarke, and Whitelaw.)
Whitener, Robert L., assignor of one-half to S. Schwartz, Charlotte, N. C. Match-stand. No. 1,269,768; June 18; v. 251; p. 525.
Whitesell, Harry, Browerville, Minn. Spring-tire. No. 1,271,109; July 2; v. 252; p. 100.
Whiteside, Frank R., Wyncote, Pa. Folding adjustable easel. No. 1,280,923; Oct. 8; v. 255; p. 250.
Whiteside, William C., Knoxville, Tenn. Puzzle. No. 1,267,947; May 28; v. 250; p. 940.
Whiteway, Augustus S, and J. Sullivan, Boise, Idaho. Integral curb and gutter and means for installing the same. No. 1,279,059; Sept. 17; v. 254; p. 523.
Whitfield, Arthur J., assignor to Trimont Manufacturing Company, Boston, Mass. Wrench. No. 1,258,628; Mar. 5; v. 248; p. 199.
Whitin, George M., assignor to The Whitin Machine Works, Whitinsville, Mass. Heilmann-type comber. No. 1,273,299; July 23; v. 252; p. 796.
Whitin Machine Works, The. (See Crockett, Frank L., assignor.)
Whitin Machine Works, The. (See Jeffers, Jesse, assignor.)
Whitin Machine Works. (See Nelson, Harmon O., assignor.)
Whitin Machine Works, The. (See Owen, Henry A., assignor.)
Whitin Machine Works, The. (See Rooney, Edwin A., assignor.)
Whitin Machine Works, The. (See Waldow, Alexis F., assignor.)
Whitin Machine Works. (See Whipple, Amos E., assignor.)
Whitin Machine Works. (See Whitehead and Marshall, assignors.)
Whitin Machine Works, The. (See Whitin, George M., assignor
Whiting, Alonzo A. (See Whiting, Ruy D., assignor.)
Whiting, Chauncey H. (See Holt and Whiting.)
Whiting, Horatio, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,288,333; Dec. 17; v. 257; p. 595.
Whiting, Howard E. (See Springer, Ernest R, assignor.)
Whiting, Maurice T., Needham, and E. F. Logan, Lynn, assignors to The Barrett Company, Boston, Mass. Bottom-filler for boots and shoes. No. 1,263,499; Apr. 23; v. 249; p. 787.
Whiting, Perry. (See La Dow, John, assignor.)
Whitlock, Ralph G., Los Angeles, Cal. Loose-leaf book. No. 1,278,267; Sept. 10; v. 254; p. 280.
Whitmore, Ralph D., executor. (See Whitmore, William A.)
Whitmore, Ralph D., Galva, Ill. Grain-spout. No. 1,288,334; Dec. 17; v. 257; p. 595.
Whiting, Ruy D., assignor of one-half to A. A. Whiting, Chicago, Ill. Furnace. No. 1,258,843; Mar. 12; v. 248; p. 299.
Whiting, Theo C., Philadelphia, Pa. Spring-motor. No. 1,259,570; Mar. 19; v. 248; p. 538.
Whiting, Theo C., Philadelphia, Pa. Rotary table for sound-record disks. No. 1,260,948; Mar. 26; v. 248; p. 966.
Whiting, Theo C., Philadelphia, Pa. Motor-controlling mechanism. No. 1,273,300; July 23; v. 252; p. 797.
Whiting, Theo C., Philadelphia, Pa. Phonograph-motor mechanism. No. 1,276,601; Aug. 20; v. 253; p. 688.
Whitley, William H. (See Mann and Whitley.)
Whitlock, Ralph G., Los Angeles, Cal. Loose-leaf book. No. 1,274,827; Aug. 6; v. 253; p. 138.
Whitlow, Earl, Jerseyville, Ill. Bundle-carrier attachment for harvesters. No. 1,256,410; Feb. 12; v. 247; p. 421.
Whitman and Barnes Manufacturing Company. (See Barnes, Herman L., assignor.)
Whitman, Frank S. (See Howard and Slater, assignors.)
Whitman, May D., administratrix. (See Howard and Slater.)
Whitmore, Edson G., Toledo, Ohio. Splicing means for films. No. 1,255,257; Feb. 5; v. 247; p. 41.
Whitmore, John, Higbee, Mo. Game. No. 1,254,380; Jan. 22; v. 246; p. 934.
Whitmore, Max C., Dayton, Ohio. Rotary explosive-engine. No. 1,279,195; Sept. 17; v. 254; p. 557.
Whitmore, William A., deceased, Galva, Ill.; R. D. Whitmore, executor. Spout for conveying materials. No. 1,288,335; Dec. 17; v. 257; p. 595.
Whitnell, Charles O., Kingsley, Iowa. Adjusting means for skylights, &c. No. 1,260,110; Mar. 19; v. 248; p. 693.
Whitnell, Charles O., Kingsley, Iowa. Window construction. No. 1,267,612; May 28; v. 250; p. 846.
Whitney, Charles W., Chicago, Ill. Air lift-pump. No. 1,253,115; Jan. 8; v. 246; p. 521.
Whitney, Egbert, assignor to Eclipse Scaffolding Company, Omaha, Nebr. Suspended scaffolding. No. 1,270,906; July 2; v. 252; p. 43.
Whitney, Francis M., San Diego, Cal., assignor to General Electric Company. Lamp-mounting. No. 1,287,542; Dec. 10; v. 257; p. 368.
Whitney, Frank E., and M. Melia, assignors to Commercial Truck Company of America, Philadelphia, Pa. Means for holding battery elements. No. 1,267,613; May 28; v. 250; p. 846.
Whitney, Frank E., and A. K. Edwards, assignors to Commercial Truck Company of America, Philadelphia, Pa. Punching-machine. No. 1,272,747; July 16; v. 252; p. 621.
Whitney, George M., *et al.* (See King, Joseph, assignor.)
Whitney, George O., and A. W. Ide, Brainerd, Minn. Water-closet. No. 1,281,457; Oct. 15; v. 255; p. 428.
Whitney, Irma M. (See Harmon, Charles W., assignor.)
Whitney, Laurence H., Pittsfield, Mass., assignor to General Electric Company. Annealing aluminum. No. 1,273,706; July 23; v. 252; p. 905.
Whitney, Leslie D., San Mateo, Cal. Hydraulic press. No. 1,269,769; June 18; v. 251; p. 526.
Whitney, Leslie D., San Mateo, Cal. Rubbing-container. No. 1,276,299; Aug. 20; v. 253; p. 603.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forging steel fulcrums. No. 1,280,606; Oct. 1; v. 255; p. 136.
Whitney Machine Company. (See Whitney, Robert F., assignor.)
Whitney, Robert F., assignor to Whitney Machine Company, Winchester, Mass. Hide and leather working machine. No. 1,272,162; July 9; v. 252; p. 429.
Whitney, Robert F., assignor to Whitney Machine Company, Winchester, Mass. Hide and leather working machine. No. 1,284,517; Nov. 12; v. 256; p. 310.
Whitney, Rolvin S., Lewiston, Me. Humidifier for gas-engines. No. 1,289,026; Dec. 24; v. 257; p. 791.
Whitney, William A., Oregon, Ill. Ball-bearing jack. No. 1,272,589; July 16; v. 252; p. 574.
Whitney, Whelock W., Milwaukee, Wis. Vehicle-wheel. No. 1,282,155; Oct. 22; v. 255; p. 656.
Whitney, William M. (See Emery, Raymond D., assignor.)
Whitney, William M. (See Farnum, William C., assignor.)
Whitney, William M. (See Loveland, Byron S., assignor.)
Whitney, Willis R., Niskayuna, N. Y., assignor to General Electric Company. Electric discharge device. No. 1,267,827; May 28; v. 250; p. 906.
Whitt, Dona, Stanaford, W. Va. Piston-rod. No. 1,261,332; Apr. 2; v. 249; p. 97.
Whittaker, Arnold R. (See Jeavons and Whittaker.) (Reissue.)
Whittaker, Charles C. (See Hellmund and Whittaker.)
Whittaker, Charles C., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,260,613; Mar. 26; v. 248; p. 873.

Whittaker, Charles C., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,264,354; Apr. 30; v. 249; p. 1052.
Whittaker, Charles C., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,275,811; Aug. 13; v. 253; p. 436.
Whittaker, Charles C., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,281,730; Oct. 15; v. 255; p. 500.
Whittaker, Charles C., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,287,806; Dec. 17; v. 257; p. 467.
Whittaker, Cyrus A., Freeburg, Ill. Key-ring. No. 1,266,365; May 14; v. 250; p. 441.
Whittelsey, Charles B., Hartford, Conn., assignor to The Hartford Rubber Works Co. Wrapping-machine. No. 1,286,466; Dec. 3; v. 257; p. 69.
Whittemore, George A., Ludington, Mich. Tractor. No. 1,267,028; May 21; v. 250; p. 656.
Whittemore Hamm Company. (See Whittemore and Hamm, assignors.)
Whittemore, Winthrop C., Medfield, and W. E. Hamm, Boston, assignors to Whittemore Hamm Company, Boston, Mass. Propeller mechanism for aircraft. No. 1,288,336; Dec. 17; v. 257; p. 595.
Whitten, John S., Conway, Ark. Antifreezing device. No. 1,289,991; Dec. 31; v. 257; p. 1053.
Whitten, Samuel B., Wilcox, Wash. Fire-escape. No. 1,269,353; June 11; v. 251; p. 379.
Whitten, Stahl A. (See Ballman, Edwin C., assignor.)
Whittenberg, Charles E., Knoxville, Iowa. Addressograph. No. 1,288,337; Dec. 17; v. 257; p. 596.
Whitter, Shedrick, Safety Harbor, Fla. Electrical-conductor support. No. 1,275,116; Aug. 6; v. 253; p. 219.
Whittier, Albert E., Bristol, Conn. Mechanical thermometer. No. 1,273,707; July 23; v. 252; p. 906.
Whittier, Edward H. (See Calderio, Edward, assignor.)
Whittingham, George H., Pikesville, assignor to Monitor Controller Company, Baltimore, Md. Starter for electric motors. No. 1,270,235; June 18; v. 251; p. 649.
Whittingham, George H., and W. T. Holmes, assignors to Monitor Controller Company of Baltimore City, Baltimore, Md. Regulator for electric motors. No. 1,262,290; Apr. 9; v. 249; p. 395.
Whittingham, Richard A., Newark, Del. Steam-boiler. No. 1,259,945; Mar. 19; v. 248; p. 647.
Whittington, James, Port Jervis, N. Y. Lock for steering-wheels of automobiles. No. 1,252,755; Jan. 8; v. 246; p. 414.
Whittle, Harry E. (See Babcock, Wade H., assignor.)
Whittlesey, John E., Pittsburgh, Pa. Boiler. No. 1,281,458; Oct. 15; v. 255; p. 429.
Whitworth, Bevill W., assignor of one-third to T. A. Whitworth and one-third to C. S. Whitworth, Cedar Falls, Iowa. Fastening means for doors. No. 1,262,291; Apr. 9; v. 249; p. 396.
Whitworth, Bevill W., assignor of one-third to T. A. Whitworth and one-third to C. S. Whitworth, Cedar Falls, Iowa. Freight-car grain-door. No. 1,272,325; July 9; v. 252; p. 475.
Whitworth, Bevill W., Cedar Falls, Iowa. Sash-latch lock and antirattler. No. 1,284,518; Nov. 12; v. 256; p. 310.
Whitworth, Charles S., *et al.* (See Whitworth, Bevill W., assignor.)
Whitworth, Thomas A., *et al.* (See Whitworth, Bevill W., assignor.)
Whomes, Harry R. (See Melton and Whomes.)
Whorley, Eugene A., Roanoke, Va. Paper-bag holder. No. 1,281,241; Oct. 8; v. 255; p. 337.
Whyte, Frederick M. (See Hawksworth and Whyte.)
Whyte, Frederick M., Tarrytown, N. Y., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-ladder. No. 1,285,520; Nov. 19; v. 256; p. 602.
Wiard, John B., Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,267,828; May 28; v. 250; p. 907.
Wiberg, Oscar A., Finspong, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Elastic-fluid turbine. No. 1,257,167; Feb. 19; v. 247; p. 676.
Wiberg, Oskar A., Finspong, assignor, by mesne assignments, to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Lubricating system for bearings. No. 1,257,773; Feb. 26; v. 247; p. 890.
Wiberg, Oskar A., Finspong, assignor, by mesne assignments, to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Elastic-fluid turbine. No. 1,271,402; July 2; v. 252; p. 181.
Wiberg, Oskar A., Finspong, assignor, by mesne assignments, to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Governing mechanism for elastic-fluid turbines. No. 1,284,845; Nov. 12; v. 256; p. 392.
Wiberg, Oskar A., Finspong, assignor, by mesne assignments, to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Means for preventing axial vibrations of turbine and other shafts. No. 1,285,521; Nov. 19; v. 256; p. 602.
Wichman, Ferdinand T. (See Barva and Wichman.)
Wick, Emmit, Laura, Ohio. Flying-machine. No. 1,287,158; Dec. 10; v. 257; p. 275.
Wickberg, Victor G., Kenyon, Minn. Trick-case. No. 1,266,647; May 21; v. 250; p. 550.
Wicke, August, New York, N. Y. Egg-separator. No. 1,262,420; Apr. 9; v. 249; p. 432.
Wickersham, Arthur, Hereford, S. D. Cuspidor-lifter. No. 1,260,111; Mar. 19; v. 248; p. 693.
Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Cal. Chain-track drive and support. No. 1,258,288; Mar. 5; v. 248; p. 98.
Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Cal. Support for chain-tracks. No. 1,258,611; Mar. 5; v. 248; p. 194.
Wickes, Clarence S., Merchantville borough, N. J., assignor to Victor Talking Machine Company. Molding-press. No. 1,251,851; Jan. 1; v. 246; p. 124.
Wickes, Powers A. (See Younie and Wickes.)
Wickes, Powers A., and S. B. Gorbutt, Portland, Oreg. Cable-winding machinery. No. 1,260,614; Mar. 26; v. 248; p. 874.
Wickey, Andrew, East Chicago, Ind. Building construction. No. 1,275,345; Aug. 13; v. 253; p. 307.
Wickham, John W., Clintonville, Wis. Rail-frog clamp. No. 1,282,665; Oct. 22; v. 255; p. 795.
Wickliffe, Ray, Millersport, Ohio. Fertilizer-distributer. No. 1,256,854; Feb. 19; v. 247; p. 585.
Wicklund, Albin, Biwabik, Minn. Pencil-sharpener. No. 1,284,009; Nov. 5; v. 256; p. 149.
Wickstrom, Charles A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Spraying-machine. No. 1,276,466; Aug. 20; v. 253; p. 650.
Wickstrom, Joseph H., Beresford, S. D. Gate. No. 1,279,196; Sept. 17; v. 254; p. 558.
Wickwire Brothers. (See Wickwire, Theodore H., assignor.) (Reissue.)
Wickwire, Charles C., Cortland, N. Y. Sieve. No. 1,257,434; Feb. 26; v. 247; p. 788.
Wickwire, Theodore H., assignor to Wickwire Brothers, Inc., Cortland, N. Y. Woven wire fabric and manufacturing same. (Reissue.) No. 14,573; Dec. 17; v. 257; p. 627.
Widdowson, Walter, Nottingham, England. Fabric-finishing machine. No. 1,280,607; Oct. 1; v. 255; p. 136.
Widdup, William R., Spartanburg, S. C. Bushing. No. 1,267,485; May 28; v. 250; p. 809.
Wideen, Edward, Vancouver, British Columbia, Canada. Clothes-drier. No. 1,276,300; Aug. 20; v. 253; p. 603.
Widell, Swan O., Rockford, Ill. Gate. No. 1,276,602; Aug. 20; v. 253; p. 688.
Widera, Paul J., assignor of one-half to W. Pijakowski, Chicago, Ill. Gas-bell hanger. No. 1,284,519; Nov. 12; v. 256; p. 311.
Widhelm, Joseph G., Fremont, Nebr. Tank-heater. No. 1,273,560; July 23; v. 252; p. 867.
Widin, Peter. (See Cota and Conrad, assignors.)
Widlak, Ludwig G., Newark, N. J., assignor to Rosenband Manufacturing Co. Bag or purse frame. No. 1,281,731; Oct. 15; v. 255; p. 500.
Widmer, Arthur J., Webster Groves, assignor to Widmer Engineering Company, St. Louis, Mo. Bar-support. No. 1,260,494; Mar. 26; v. 248; p. 837.
Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, to Widmer Engineering Company, St. Louis, Mo. Wall-board support. No. 1,277,513; Sept. 3; v. 254; p. 50.
Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, to Widmer Engineering Company, St. Louis, Mo. Clip for holding plaster-boards. No. 1,277,514; Sept. 3; v. 254; p. 51.
Widmer, Charles A., Paterson, N. J. Belt-shifting apparatus. No. 1,288,338; Dec. 17; v. 257; p. 596.
Widmer, Charles A., Paterson, N. J. Belt-shifting apparatus. No. 1,288,339; Dec. 17; v. 257; p. 596.
Widmer Engineering Company. (See Widmer, Arthur J., assignor.)
Widness, Lawrence J., Brooklyn, N. Y. Garment stretcher and presser. No. 1,270,676; June 25; v. 251; p. 797.
Widney, Stanley W., Chicago, Ill. Seat-pad. No. 1,280,344; Oct. 1; v. 255; p. 64.
Widstrand, Herbert, Chicago, Ill. Shade-holder. No. 1,274,122; July 30; v. 252; p. 1060.
Widstrand, Herbert, Chicago, Ill. Wall-light. No. 1,276,467; Aug. 20; v. 253; p. 651.
Wieberg, William F., Cheektowaga, N. Y. Expansion-joint holder. No. 1,267,301; May 21; v. 250; p. 730.
Wiechmann, Johann, Detroit, Mich. Lubricating means for metering devices. No. 1,278,268; Sept. 10; v. 254; p. 280.
Wieda, Ernst F. W. (See Pfeil, Anthony P., assignor.)
Wiedeke, Gustav. (See Wiedeke, Otto, assignor.)
Wiedeke, Otto, assignor of one-half to G. Wiedeke, Dayton, Ohio. Boiler-tube expander. No. 1,265,283; May 7; v. 250; p. 113.
Wiedeman, Frank X., assignor of one-half to R. J. Kornbrath, Hartford, Conn. Adjustable clamp. No. 1,252,638; Jan. 8; v. 246; p. 381.
Wiedemann, Gustave A. (See Sloan and Wiedemann.)
Wieden, Karl, Ohligs, Germany. Tinder-box. No. 1,257,567; Feb. 26; v. 247; p. 830.

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Wiedenhoeft, Arthur E., assignor of one-half to H. A. Best, Chicago, Ill. Shade-holder. No. 1,256,411; Feb. 12; v. 247; p. 421.
Wiederhold, Henry, assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Application of bituminous linings to concrete surfaces. No. 1,259,327; Mar. 12; v. 248; p. 436.
Wiederhold, Henry, assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Bituminous waterproof lining for concrete walls. No. 1,261,662; Apr. 2; v. 249; p. 190.
Wiederhold, Oscar, Jersey City, N. J. Vaporizing-burner. No. 1,263,978; Apr. 23; v. 249; p. 916.
Wiederholt, Charles B., Hastings, Minn. Cattle-yoke. No. 1,267,294; May 21; v. 250; p. 729.
Wiederrecht, Fred, Wapello, Iowa. Gate-hinge. No. 1,253,655; Jan. 15; v. 246; p. 706.
Wiederwax, Robert W., assignor of one-half to C. Geist, Atlantic City, N. J. Heating or welding device. No. 1,263,979; Apr. 23; v. 249; p. 916.
Wiederwax, Robert W., assignor of one-half to C. Geist, Atlantic City, N. J. Apparatus for heating castings. No. 1,275,638; Aug. 13; v. 253; p. 388.
Wiedey, John W., Baltimore, Md. Lamp-socket. No. 1,272,163; July 9; v. 252; p. 429.
Wiegand, August W., Sedalia, Mo. Safety appliance for locomotives. No. 1,271,642; July 9; v. 252; p. 283.
Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Rheostat. No. 1,267,726; May 28; v. 250; p. 876.
Wiegand, Wilhelm, New York, N. Y., assignor to Stuyvesant Glass Co., Inc. Apparatus for spiraling glass. No. 1,264,355; Apr. 30; v. 249; p. 1053.
Wieland, Charles, Yankton, S. D. Tire-repair tool. No. 1,288,340; Dec. 17; v. 257; p. 596.
Wieland, Heinrich, Munich, Germany. Producing novel addition compounds of the desoxycholic acid. No. 1,252,212; Jan. 1; v. 246; p. 223.
Wieler, Benno, Laird, Saskatchewan, Canada. Threshing-machine. No. 1,254,750; Jan. 29; v. 246; p. 1070.
Wielgolaski, Frans H. A., Christiania, Norway. Process and apparatus for the electric-arc treatment of gases. No. 1,287,807; Dec. 17; v. 257; p. 468.
Wielgolaski, Frans H. A., Christiania, Norway. Stretching out double or multiple electric arcs. No. 1,287,808; Dec. 17; v. 257; p. 468.
Wiemholt, Nicholas W., Boonville, Mo. Hay rake and loader. No. 1,264,353; Apr. 30; v. 249; p. 1052.
Wienke, Louis A., Manitowoc county, Wis. Trace-fastener. No. 1,256,627; Feb. 19; v. 247; p. 519.
Wiens, Adolph R., Duluth, Minn., assignor of one-third to A. A. Pleyte, Statesan, Wis., and one-third to S. M. Wiens, Duluth, Minn. Forming brushes. No. 1,259,571; Mar. 19; v. 248; p. 538.
Wiens, Sarah M., *et al.* (See Wiens, Adolph R., assignor.)
Wierszewska, Anna, Weirton, W. Va. Furniture-caster. No. 1,265,850; May 14; v. 250; p. 298.
Wiese, Henry O., Perry, Iowa. Traction-wheel. No. 1,270,474; June 25; v. 251; p. 743.
Wieseckel, George F., Hagerstown, Md. Drifting-valve. No. 1,258,511; Mar. 5; v. 248; p. 163.
Wiesenberg, Samuel, New York, N. Y. Horseshoe. No. 1,274,483; Aug. 6; v. 253; p. 41.
Wieskopf, L. (See Buehner, William F. A., assignor.)
Wiesman, William A. (See Yeo and Wiesman.)
Wiester, Stefan, Beaver Dam, assignor of one-half to R. Weimer, Sheboygan, Wis. Enamel-oven. No. 1,285,862; Nov. 26; v. 256; p. 729.
Wig, Rudolph J. (See Ferguson and Wig.)
Wig, Rudolph J., Washington, D. C. Tremie. No. 1,280,345; Oct. 1; v. 255; p. 65.
Wiger, George O., Blooming Prairie, Minn. Attachment for threshing-machines. No. 1,288,341; Dec. 17; v. 257; p. 597.
Wiggen, Peder, assignor to J. P. Seeburg Piano Company, Chicago, Ill. Expression device for musical instruments. No. 1,278,269; Sept. 10; v. 254; p. 281.
Wiggins, Donegan R., Salem, Oreg. Sight for firearms. No. 1,273,019; July 16; v. 252; p. 697.
Wiggins, Hugh H. (See Sloan and Wiggins.)
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder. No. 1,258,383; Mar. 5; v. 248; p. 125.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,264,240; Apr. 30; v. 249; p. 1022.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,264,241; Apr. 30; v. 249; p. 1022.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,266,648; May 21; v. 250; p. 550.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,267,829; May 28; v. 250; p. 907.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,267,830; May 28; v. 250; p. 908.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Binder device. No. 1,267,831; May 28; v. 250; p. 908.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Binder device. No. 1,270,082; June 18; v. 251; p. 609.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Loose-sheet holder or file. No. 1,284,520; Nov. 12; v. 256; p. 311.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Loose-sheet device. No. 1,288,342; Dec. 17; v. 257; p. 597.
Wigginton, Newton J., Opequon, Va. Animal-exterminator. No. 1,274,123; July 30; v. 252; p. 1061.
Wightman, Charles A., *et al.* (See Hayes, John O., assignor.)
Wightman, Mark A., Bath, N. Y. Sliding-door lock. No. 1,272,590; July 16; v. 252; p. 575.
Wigle, Wilson B., Fullerton, Cal. Underreamer. No. 1,273,708; July 23; v. 252; p. 906.
Wiglesworth, Berkley E., Marye, Va. Grain-separator. No. 1,263,980; Apr. 23; v. 249; p. 917.
Wigmore, Frederick W., Spotswood, Victoria, Australia. Gin-trap. No. 1,256,187; Feb. 12; v. 247; p. 355.
Wigness, Cornelius R., assignor of one-half to C. G. Sorensen, Harlan, Iowa. Trap. No. 1,270,907; July 2; v. 252; p. 44.
Wigton, George H., Eureka, Utah. Treating silicious ores. No. 1,264,586; Apr. 30; v. 249; p. 1119.
Wijkstrom, Martin F. (See Estelle, Axel T. C., assignor.)
Wikander, Gustavus A., Portland, Oreg. Escapement mechanism for type-writers. No. 1,261,880; Apr. 9; v. 249; p. 283.
Wilber, Edwin D., Detroit, Mich. Stringed musical instrument. No. 1,259,062; Mar. 12; v. 248; p. 363.
Wilber, Hugh L., Kansas City, Mo. Roofing material. No. 1,278,270; Sept. 10; v. 254; p. 281.
Wilber, Oscar H., Jr., New Boston, Mass. Device to prevent double exposure in cameras. No. 1,253,321; Jan. 15; v. 246; p. 609.
Wilbert, Horace, San Francisco, Cal. Vehicle-wheel attachment. No. 1,276,468; Aug. 20; v. 253; p. 651.
Wilbur, Allerton B., assignor of one-half to C. S. Wilbur, Bridgewater, Mass. Nursing-bottle holder. No. 1,284,010; Nov. 5; v. 256; p. 150.
Wilbur, Charles S. (See Wilbur, Allerton B., assignor.)
Wilbur, John N., assignor of one-half to J. G. Mohrweis, Tacoma, Wash. Attachment for mowing-machines. No. 1,281,111; Oct. 8; v. 255; p. 300.
Wilbur, Ray S., Jersey City, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Howler-circuits for telephone-lines. No. 1,279,808; Sept. 24; v. 254; p. 753.
Wilbur, Ray S., Lyndhurst, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,281,459; Oct. 15; v. 255; p. 429.
Wilbur, Walter, Lynden, Wash. Clothes-washing apparatus. No. 1,264,356; Apr. 30; v. 249; p. 1053.
Wilbur, Walter, Lynden, Wash. Clothes-washing apparatus. No. 1,273,561; July 23; v. 252; p. 867.
Wilcke, George C., Findlay, Ohio. Step-ladder. No. 1,269,142; June 11; v. 251; p. 320.
Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Interlocking sinker and web-holder. No. 1,255,258; Feb. 5; v. 247; p. 41.
Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Detachable presser for spring-beard needles. No. 1,255,259; Feb. 5; v. 247; p. 41.
Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Needle-carrier for knitting-machines. No. 1,255,260; Feb. 5; v. 247; p. 41.
Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Widened knitted fabric. No. 1,258,844; Mar. 12; v. 248; p. 299.
Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Take-up mechanism for knitting-machines. No. 1,280,608; Oct. 1; v. 255; p. 137.
Wilcox, Charles E., *et al.* (See Slavin, Thomas H., assignor.)
Wilcox, Elmer A., Los Angeles, Cal. Automobile-jack. No. 1,276,469; Aug. 20; v. 253; p. 651.
Wilcox, Frank, Cedar Falls, Iowa. Jar holding and spacing means. No. 1,282,343; Oct. 22; v. 255; p. 707.
Wilcox, Jay, Grand Rapids, Mich. Tree-sprayer. No. 1,252,756; Jan. 8; v. 246; p. 415.
Wilcox, Joseph S. (See Norton and Wilcox.)
Wilcox, Joseph S., Jr., assignor to Norton Grinding Company, Worcester, Mass. Wheel-feed for grinding-machines. No. 1,261,083; Apr. 2; v. 248; p. 26.
Wilcox, Lewis G., Philadelphia, Pa. Sand apparatus for vehicles. No. 1,283,004; Oct. 29; v. 255; p. 917.
Wilcox, Newton K., Providence, R. I. Tractor. No. 1,258,512; Mar. 5; v. 248; p. 163.
Wilcox, Newton K., Providence, R. I. Traction-wheel. No. 1,275,812; Aug. 13; v. 253; p. 437.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Feed mechanism. No. 1,253,322; Jan. 15; v. 246; p. 609.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Method for pointing and threading screws, bolts, and similar articles. No. 1,253,323; Jan. 15; v. 246; p. 610.

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Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Assembling-machine. No. 1,286,467; Dec. 3; v. 257; p. 70.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Locking and adjusting mechanism. No. 1,286,468; Dec. 3; v. 257; p. 70.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Escapement and transfer mechanism. No. 1,286,469; Dec. 3; v. 257; p. 71.
Wilcox, Sylvester N. (See Walker and Wilcox.)
Wilcox, Urquhart, Buffalo, N. Y. Boat-hull. No. 1,258,728; Mar. 12; v. 248; p. 265.
Wilcox, Urquhart, Buffalo, N. Y. Boat-hull. No. 1,259,572; Mar. 19; v. 248; p. 338.
Wilcox, W. H. (See Diebel, Henry, assignor.)
Wilcox, William D., Chicago, Ill. Gas manufacture. No. 1,289,336; Dec. 31; v. 257; p. 892.
Wilczek, Edmond, Muskegon, Mich. Wire-cutter for bayonets. No. 1,265,151; May 7; v. 250; p. 78.
Wild, Charles H. (See Whitehurst and Wild.)
Wild, Charles M. (See Heins and Wild.)
Wild, Charles M. (See Schwarzmann and Wild.)
Wild, Edward F., Milwaukee, Wis., assignor to International Harvester Corporation. Carbureter. No. 1,280,924; Oct. 8; v. 255; p. 250.
Wild, Edward J., Camden Town, assignor to Charles N. Garner, Totteridge, Hertford, England. Collapsible box. No. 1,277,515; Sept. 3; v. 254; p. 51.
Wild, Johannes W. A. de. (See Schenk, Tamis C., assignor.)
Wild, Julius E. (See Heins and Wild.)
Wild, Matthew B., Birmingham, England. Winch. No. 1,281,732; Oct. 15; v. 255; p. 500.
Wild, Rudolf, Los Angeles, Cal. Manicure implement. No. 1,285,863; Nov. 26; v. 256; p. 729.
Wilday, Robert, New York, N. Y. Time or date stamp. No. 1,275,813; Aug. 13; v. 253; p. 437.
Wildberger, Henry. (See Kramer, Umhofer, Eral, and Wildberger.)
Wilde, Joseph and J. Carter, Pawtucket, R. I. Antiskidding device. No. 1,274,124; July 30; v. 252; p. 1061.
Wilder, Edward C., Cuba, N. Y. Mowing-machine. No. 1,279,060; Sept. 17; v. 254; p. 523.
Wilder, Joe H. (See Woodson and Wilder.)
Wilder, Ralph E., Johnstown, Pa. Truck-frame. No. 1,270,908; July 2; v. 252; p. 44.
Wilder, Richard H., and J. C. Kaumeier, Port Huron, Mich. Lubricator for forging press-dies. No. 1,284,168; Nov. 5; v. 256; p. 193.
Wildes, F. L. (See Jones and MacNichols, assignors.)
Wildman Mfg. Co. (See Ballard, George L., assignor.)
Wildman Mfg. Co. (See Bortman, Emanuel W., assignor.)
Wildman Mfg. Co. (See Pigeon, Albert M., assignor.)
Wildman Mfg. Co. (See Taylor, William O., assignor.)
Wildman Mfg. Co. (See Wilcomb, Frank, assignor.)
Wildt & Co. (See Wildt, Hans M. A. C., assignor.
Wildt, Hans M. A. C., assignor to Wildt & Co., Limited, Leicester, England. Stop-motion for machines for winding yarns, threads, and the like. No. 1,273,562; July 23; v. 252; p. 868.
Wildy, Pearl M., New Athens, Ill. Cooking utensil. No. 1,259,183; Mar. 12; v. 248; p. 397.
Wiley, Albert R., Mankato, Kans. Cultivator-fender adjuster. No. 1,260,841; Mar. 26; v. 248; p. 938.
Wiley-Bickford-Sweet Co., The. (See Dillberg, Erik, assignor.)
Wiley, Calvin F., Columbus, Ohio. Ash-sifting shovel. No. 1,277,279; Aug. 27; v. 253; p. 904.
Wiley, George M., Los Angeles, Cal. Display apparatus. No. 1,271,817; July 9; v. 252; p. 329.
Wiley, Jesse O., Lemongrove, Cal. Trunk-handle. No. 1,267,948; May 28; v. 250; p. 941.
Wiley Pump & Manufacturing Co. (See Reed, Leo S., assignor.)
Wiley, William E. (See Crabill and Wiley.)
Wilfley, Arthur R., Denver, Colo. Centrifugal pump. No. 1,276,847; Aug. 27; v. 253; p. 790.
Wilfley, Arthur R., Denver, Colo. Centrifugal pump. No. 1,289,337; Dec. 31; v. 257; p. 893.
Wilgus, Charles V., Kingston, assignor to The Adder Machine Company, Wilkes-Barre, Pa. Calculating-machine. No. 1,260,615; Mar. 26; v. 248; p. 874.
Wilhelm, Frederick C., and S. Strommer, Kansas City, Mo. Speed-recording mechanism. No. 1,260,112; Mar. 19; v. 248; p. 693.
Wilhelm, Henry, and H. Olaneta, Brooklyn, N. Y. Battery and making same. No. 1,283,005; Oct. 29; v. 255; p. 918.
Wilhelm, Jesse E., Cleveland, Ohio, assignor to The Great Lakes Dredge & Dock Company, Chicago, Ill. Form for casting reinforced-concrete piles. No. 1,285,864; Nov. 26; v. 256; p. 729.
Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Extension-handle construction for pneumatic tools. No. 1,255,261; Feb. 5; v. 247; p. 42.
Wilke, Erwin L., Buffalo, N. Y. Apparatus for use in the manufacture of sulfuric anhydrid and the like. No. 1,270,997; July 2; v. 252; p. 70.
Wilken, Louis, and J. A. Yosten, Columbus, Nebr. Endgate for vehicles. No. 1,281,460; Oct. 15; v. 255; p. 429.
Wilkening Manufacturing Company. (See Pedrick and Kolb, assignors.)
Wilkening, Walter H., Cincinnati, Ohio, assignor of one-half to C. J. Heileman, Covington, Ky. Lapel-button fastener. No. 1,282,509; Oct. 22; v. 255; p. 752.
Wilkens, George, Succasunna, N. J. Detachable bracket. No. 1,261,664; Apr. 2; v. 249; p. 191.
Wilkenson, Fredrik, Gottenborg, Sweden. Picture-frame. No. 1,270,475; June 25; v. 251; p. 743.
Wilkerson, Claude, *et al.* (See Preston, Edward, assignor.)
Wilkes, Harry D., New York, N. Y. Penmanship guide-chart. No. 1,253,758; Jan. 15; v. 246; p. 736.
Wilkey, William M., Kingman, Ind. Planter. No. 1,265,566; May 7; v. 250; p. 189.
Wilkin, William M., Erie, Pa. Gang-saw machine. No. 1,262,421; Apr. 9; v. 249; p. 432.
Wilking, Frank O., Indianapolis, Ind. Needle-trimmer for talking-machines. No. 1,263,178; Apr. 16; v. 249; p. 677.
Wilking, Frank O., Indianapolis, Ind. Filing device for talking-machine records. No. 1,278,539; Sept. 10; v. 254; p. 352.
Wilkins, Alfred T., Philadelphia, Pa. Mechanical toy. No. 1,258,845; Mar. 12; v. 248; p. 300.
Wilkins, George A., Amsterdam, N. Y. Take-up fabric-roller. No. 1,256,756; Feb. 19; v. 247; p. 556.
Wilkins, Roy A., Salt Lake City, Utah. Stringed musical instrument. No. 1,253,550; Jan. 15; v. 246; p. 676.
Wilkins, Vance P., Chicago, Ill. Guard for lever-openings. No. 1,278,271; Sept. 10; v. 254; p. 281.
Wilkinson, Edward J., Manchester, assignor to Bradford Dyers' Association Limited, Bradford, England. Method of and means for dyeing fabrics and the like. No. 1,287,543; Dec. 10; v. 257; p. 368.
Wilkinson, Frank E., and J. C. McNaught, Kingfisher, Okla. Dust-mulch machine. No. 1,285,522; Nov. 19; v. 256; p. 602.
Wilkinson, Frederick A. (See Julius and Wilkinson.)
Wilkinson, George, Harrogate, England. Thermal switch. No. 1,275,814; Aug. 13; v. 253; p. 437.
Wilkinson, James, Schenectady, N. Y., assignor to General Electric Company. Power system and pump. No. 1,263,981; Apr. 23; v. 249; p. 917.
Wilkinson, James, Pittsfield, Mass., assignor to General Electric Company. Filled cable and fluid-stop. No. 1,267,832; May 28; v. 250; p. 908.
Wilkinson, James, Pittsfield, Mass., assignor to General Electric Company. Diaphragm-horn. No. 1,275,815; Aug. 13; v. 253; p. 437.
Wilkinson, Joe. (See Stansfield and Wilkinson.)
Wilkinson, Lee. (See Slaughter, George W., Jr., assignor.)
Wilkinson, Randolph N., Huntington, W. Va. Child's vehicle. No. 1,268,310; June 4; v. 251; p. 69.
Wilkinson, Thomas L. (See Cory, Harvey, assignor.)
Will & Baumer Co., The. (See Engman, Evald J., assignor.)
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Will & Baumer Co., The. (See Will, Harold H., assignor.)
Will & Baumer Co., The. (See Zimmer, Frederick F., assignor.)
Will, G. A. (See McCoy, Marion M., assignor.)
Will, Harold H., assignor to The Will & Baumer Co., Syracuse, N. Y. Candle-lamp. No. 1,257,658; Feb. 26; v. 247; p. 856.
Will, Herman A., Shirley, Ill. Wrench. No. 1,287,544; Dec. 10; v. 257; p. 369.
Will, Otto, San Francisco, Cal. Gyroscope-propeller. No. 1,270,998; July 2; v. 252; p. 71.
Will, Victor R., Sacramento, Cal. Direction-signal for motor-vehicles. No. 1,280,925; Oct. 8; v. 255; p. 250.
Willard, Harry A. (See Allen, Murphy, and Willard.)
Willard, Maurice L., assignor to The Superior Type Company, Chicago, Ill. Inking-pad. No. 1,251,721; Jan. 1; v. 246; p. 83.
Willard Storage Battery Company. (See Disinger, Ernest, assignor.)
Willard Storage Battery Company. (See Willard, Theodore A., assignor.)
Willard, Theodore A., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. No. 1,263,500; Apr. 23; v. 249; p. 787.
Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. No. 1,279,953; Sept. 24; v. 254; p. 795.
Willard, Waldo W., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,287,545; Dec. 10; v. 257; p. 369.
Willat, Carl A., Boston, and W. B. Wescott, Wellesley Hills, assignors to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass. Apparatus for the production of motion-pictures and the like. No. 1,289,027; Dec. 24; v. 257; p. 791.

Willberg, Onni, Brooklyn, N. Y., assignor to The Stipple-tone Company. Stippling apparatus. No. 1,256,757; Feb. 19; v. 247; p. 556.
Willcox, George B., Saginaw, Mich. Spout. No. 1,289,587; Dec. 31; v. 257; p. 954.
Willcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assignor.)
Willcox & Gibbs Sewing Machine Co. (See Mitchell, Charles, assignor.)
Willcox & Gibbs Sewing Machine Co. (See Osterhout, Garret B., assignor.)
Willcox, Henry H., Newtonville, Mass. Undergarment. No. 1,283,006; Oct. 29; v. 255; p. 918.
Willemin, Edward A., assignor to Martin-Copeland Company, Providence, R. I. Optical appliance. No. 1,289,028; Dec. 24; v. 257; p. 791.
Willenbring, John, Richmond, Minn. Device for utilizing kerosene for gasolene-engines. No. 1,274,125; July 30; v. 252; p. 1061.
Willer, Jacques, Brooklyn, N. Y. Elevating-truck. No. 1,286,861; Dec. 3; v. 257; p. 160.
Willers, Carl, and N. O. Laurin, Chicago, Ill. Pneumatic die-cushion. No. 1,264,731; Apr. 30; v. 249; p. 1157.
Willett, Byron P., Detroit, Mich. Toy. No. 1,272,748; July 16; v. 252; p. 621.
Willett, Guy L. (See Gribble and Willett.)
Willett, Louis, Annapolis Junction, Md. Horseshoe. No. 1,272,591; July 16; v. 252; p. 575.
Willey, Isaac F., Philadelphia, Pa. Ironing-machine. No. 1,252,213; Jan. 1; v. 246; p. 223.
Willey, Isaac F., Philadelphia, Pa. Quill and housing for moisture-extractors for drying clothes. No. 1,252,214; Jan. 1; v. 246; p. 224.
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Willhelm, Oscar J., Brooklyn, N. Y. Device for distributing pulverulent substances. No. 1,287,809; Dec. 17; v. 257; p. 468.
Willhite, Emerson E., Algona, Iowa. Tractor attachment. No. 1,272,592; July 16; v. 252; p. 575.
William A. Young Gasket Corporation. (See Young, William A., assignor.)
William Barker Company. (See Doty, Frank H., assignor.)
William Carter Company, The. (See Perkins, Alvah L., assignor.)
William E. Quimby, Inc. (See Hicks, Robert B., assignor.)
William F. Jobbins, Inc. (See Lawrie, James W., assignor.)
William Garrigue & Company. (See Garrigues, William E., assignor.)
William M. Crane Company. (See O'Dowd, Henry W., assignor.)
William Pollock Company, The. (See McClure and Reilly, assignors.)
William S. Hicks' Sons. (See Hicks, William M., assignor.)
William Schollhorn Company, The. (See Bernard, William A., assignor.)
Williams, Alva J., Seattle, assignor to Williams Oil Control Transmission Company, Pierce county, Wash. Oil-control transmission. No. 1,269,029; June 11; v. 251; p. 289.
Williams, Anna P., Scranton, Pa. Frying-pan. No. 1,267,029; May 21; v. 250; p. 657.
Williams, Arthur R., Washington, D. C. Automobile-signal. No. 1,273,709; July 23; v. 252; p. 906.
Williams, Benjamin A., Chester, England. Ammunition case or receptacle. No. 1,274,828; Aug. 6; v. 253; p. 138.
Williams, Benjamin F., Westwood, N. J. Match-lighter. No. 1,288,782; Dec. 24; v. 257; p. 733.
Williams Boltless Rail Joint Manufacturing Company. (See Williams, Willis D., assignor.)
Williams-Brothers Aircraft Corporation. (See Williams, Lloyd M., P. J., and C. L., assignors.)
Williams, Cassius M., Seattle, assignor of one-half to Universal High Power Telephone Company, King county, Wash. Audiphone. No. 1,253,656; Jan. 15; v. 246; p. 707.
Williams, Charles A., Seattle, Wash. Seine-hauling device. No. 1,254,381; Jan. 22; v. 246; p. 934.
Williams, Charles E., Akron, Ohio. Vehicle-tire. No. 1,277,516; Sept. 3; v. 254; p. 51.
Williams, Charles F. (See Williams, Ira C. and C. F.)
Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Clasp-brake mechanism. No. 1,255,372; Feb. 5; v. 247; p. 75.
Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam suspension. No. 1,255,967; Feb. 12; v. 247; p. 288.
Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Release mechanism for brake-beams. No. 1,266,895; May 21; v. 250; p. 618.
Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Third-point support for brake-beams. No. 1,278,540; Sept. 10; v. 254; p. 352.
Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety-guard for brake-beams. No. 1,287,159; Dec. 10; v. 257; p. 275.
Williams, Charles J., Jr., assignor to L. Moore Dry Kiln Co., Jacksonville, Fla. Wheel-mount for trucks. No. 1,260,113; Mar. 19; v. 248; p. 693.
Williams, Charles L., Laurens, N. Y., assignor, by mesne assignments, to Ideal Aerator Company, Inc. Aerator and cooler. No. 1,269,143; June 11; v. 251; p. 320.
Williams, Chester L. (See Williams, Lloyd M., P. J., and C. L.)
Williams, Chester O. (See George and Williams.)
Williams, Clarence P., Syracuse, Ohio. Slip-socket. No. 1,285,523; Nov. 19; v. 256; p. 602.
Williams, Clawson L. (See Hearne, Joseph H., assignor.)
Williams, Clyde C., Guymon, Okla. Nut-lock. No. 1,285,865; Nov. 26; v. 256; p. 729.
Williams, Curles T., Trenton, N. J. Tire-inflation nozzle. No. 1,270,999; July 2; v. 252; p. 71.
Williams, Cyril O. R., Barberton, Ohio. Measuring apparatus. No. 1,264,732; Apr. 30; v. 249; p. 1157.
Williams, Daniel G., Taunton, Mass. Electric bell. No. 1,283,388; Oct. 29; v. 255; p. 1018.
Williams, David S. (See Daley, Walter S., assignor.)
Williams, Earl C., Jackson, Mich. Motor-lock. No. 1,279,954; Sept. 24; v. 254; p. 795.
Williams, Edward, Schuylerville, N. Y. Thresher. No. 1,257,058; Feb. 19; v. 247; p. 646.
Williams, Edward, Edgbaston, Birmingham, England. Clutch. No. 1,259,328; Mar. 12; v. 248; p. 436.
Williams, Edward T., New York, N. Y. Gas-compressing apparatus. No. 1,265,981; May 14; v. 250; p. 336.
Williams, Eldon, Portland, Oreg. Rigid automobile steering-axle. No. 1,280,346; Oct. 1; v. 255; p. 65.
Williams, Elijah. (See Jillson and Williams.)
Williams, Frank C., Philadelphia, Pa., assignor to The Safety Block Signal Company. Block-signaling and stopping system. No. 1,257,961; Feb. 26; v. 247; p. 944.
Williams, Frank D., Los Angeles, Cal. Taking motion-pictures. No. 1,273,435; July 23; v. 252; p. 833.
Williams, Frank D., New York, N. Y. Tank for the production of undersea photographic effects. No. 1,285,524; Nov. 19; v. 256; p. 603.
Williams, Frank H., Buffalo, N. Y. Bar-twister. No. 1,257,435; Feb. 26; v. 247; p. 789.
Williams, Frank W. (See Parnall, Archie E., assignor.)
Williams, Frank W., Chicago, Ill. Panel construction. No. 1,289,029; Dec. 24; v. 257; p. 791.
Williams, Franklin M., Winnemucca, Nev. Protecting device for vessels. No. 1,260,496; Mar. 26; v. 248; p. 838.
Williams, Fred H., assignor, by mesne assignments, to The White Motor Company, Cleveland, Ohio. Wagon-body. No. 1,269,667; June 18; v. 251; p. 497.
Williams, Fred L., San Francisco, Cal. Governor. No. 1,258,966; Mar. 12; v. 248; p. 333.
Williams, Fred L., San Francisco, Cal. Force-feed lubricating mechanism. No. 1,258,967; Mar. 12; v. 248; p. 334.
Williams, Fred L., San Francisco, Cal. Combination ignition and fuel-injecting system. No. 1,269,989; June 18; v. 251; p. 585.
Williams, Frederic S., Brooklyn, assignor to F. Klein, trustee, New York, N. Y. Lock-stitch sewing-machine. No. 1,283,437; Oct. 29; v. 255; p. 1030.
Williams, Frederick W. R., London, England. Air-filter. No. 1,282,345; Oct. 22; v. 255; p. 708.
Williams, Fredrick W., assignor to J. P. Bannan, New York, N. Y. Explosive-engine. No. 1,252,757; Jan. 8; v. 246; p. 415.
Williams, French B., assignor of one-half to H. N. Strozier, Little Rock, Ark. Cotton gin or linter saw-gumming machine. No. 1,265,567; May 7; v. 250; p. 189.
Williams, Gabriel C., Brookhaven, Miss. Draft-tree. No. 1,288,783; Dec. 24; v. 257; p. 733.
Williams, George H., Los Angeles, Cal. Corset. No. 1,269,030; June 11; v. 251; p. 289.
Williams, George M., Marshalltown, Iowa. Display-stand. No. 1,265,016; May 7; v. 250; p. 41.
Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company, New York, N. Y. Slide-box. No. 1,256,965; Feb. 19; v. 247; p. 619.
Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company, New York, N. Y. Applying tissue wrappers to cigars, &c. No. 1,271,251; July 2; v. 252; p. 141.
Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company, New York, N. Y. Applying tissue wrappers to cigars, &c. No. 1,271,403; July 2; v. 252; p. 182.
Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company, New York, N. Y. Tobacco stripping and booking machine. No. 1,282,510; Oct. 22; v. 255; p. 752.
Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company ,New York, N. Y. Sealing means for packing and shipping cases. No. 1,287,546; Dec. 10; v. 257; p. 869.

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Williams, Greene & Rome Company, Limited, The. (See Zalewski, Cora T., assignor.)
Williams, Guy E. (See Hill and Williams.)
Williams, Guy R., San Francisco, Cal. Fuel-igniter for grates. No. 1,263,179; Apr. 16; v. 249; p. 677.
Williams, Hallie O., Watson, N. Y. Animal catcher and holder. No. 1,277,017; Aug. 27; v. 253; p. 835.
Williams, Hammond O., *et al.* (See Adams, George E., assignor.)
Williams, Harry C., Irvington, N. J., assignor to American Telephone and Telegraph Company. Mechanism for installing transmission line-wires. No. 1,265,851; May 14; v. 250; p. 299.
Williams, Harry L. (See Le Maire and Williams.)
Williams, Harvey D., Wallingford, Conn., assignor to Gear Improvement Company, Inc., New York, N. Y. Bevel-gearing. No. 1,263,008; Apr. 16; v. 249; p. 627.
Williams, Harvey D., Washington, D. C., assignor to Waterbury Tool Company, Waterbury, Conn. Variable-speed gear. No. 1,263,180; Apr. 16; v. 249; p. 677.
Williams, Henry C., Ravine, Miss. Peanut-harvester. No. 1,267,614; May 28; v. 250; p. 846.
Williams, Henry H., Buffalo, N. Y. Recording device. No. 1,284,521; Nov. 12; v. 256; p. 311.
Williams, Henry M. (See Carnahan, Williams, and Bertram.)
Williams, Herman, Homestead, Pa. Manufacture of bilged metallic barrel-bodies. No. 1,259,573; Mar. 19; v. 248; p. 538.
Williams, Hopkin J., Nanticoke, Pa. Coupling for mining-cars. No. 1,278,541; Sept. 10; v. 254; p. 353.
Williams, Ira C. and C. F., Muncie, Ind., assignors to National Carbon Company, Inc. Separator for storage batteries. No. 1,265,284; May 7; v. 250; p. 113.
Williams, James A., Roxbury, Mass. Ventilating and cooling apparatus. No. 1,270,352; June 25; v. 251; p. 709.
Williams, James E. and W. L., Willimantic, Conn. Adjustable thread-guide. No. 1,281,887; Oct. 15; v. 255; p. 543.
Williams, James F., assignor to Canadian Hart Wheels Limited, Hamilton, Ontario, Canada. Machine for molding emery-wheels. No. 1,254,183; Jan. 22; v. 246; p. 877.
Williams, James M. (See Smith and Williams.)
Williams, James T., assignor to Mother's Macaroni Company, Minneapolis, Minn. Container. No. 1,280,347; Oct. 1; v. 255; p. 65.
Williams, Jeremiah, Abergele, and L. T. Jones, Old Colwyn, Wales. Attachment for reservoir-pens. No. 1,282,511; Oct. 22; v. 255; p. 752.
Williams, John A., Richmond Hill, assignor to The Williams-Purchas Manufacturing Co., Morris Park, N. Y. Needle-holder. No. 1,254,099; Jan. 22; v. 246; p. 853.
Williams, John F., New York, N. Y. Garment-hanger. No. 1,272,164; July 9; v. 252; p. 430.
Williams, John R., Rochdale, England. Separator for ring-spinning and like machines. No. 1,284,522; Nov. 12; v. 256; p. 312.
Williams, Joseph A., assignor to The K. W. Ignition Company, Cleveland, Ohio. Starter. No. 1,268,414; June 4; v. 251; p. 98.
Williams, Joseph A., assignor to The K. W. Ignition Company, Cleveland, Ohio. Starter. No. 1,282,512; Oct. 22; v. 255; p. 753.
Williams, Joseph G., Sprague, Wash. Rotary harrow. No. 1,261,881; Apr. 9; v. 249; p. 283.
Williams, Joseph G., assignor to The Current-Saving Electric Sign Company, Inc., New York, N. Y. Illuminated sign. No. 1,279,197; Sept. 17; v. 254; p. 558.
Williams, Joseph H., Los Angeles, Cal. Fireplace structure. No. 1,255,493; Feb. 5; v. 247; p. 109.
Williams, Joseph S., Riverton, N. J. Resilient-tire construction and wheel equipment. No. 1,258,968; Mar. 12; v. 248; p. 334.
Williams, Joseph S., Riverton, N. J. Resilient cushioning wheel equipment. No. 1,276,148; Aug. 20; v. 253; p. 561.
Williams, Joseph S., Riverton, N. J. Resilient cushioning wheel equipment. No. 1,276,149; Aug. 20; v. 253; p. 562.
Williams, Keith, Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hand-brake for railway-cars. No. 1,288,784; Dec. 24; v. 257; p. 733.
Williams, Lee, Texarkana, Tex. Bottle-closure. No. 1,287,547; Dec. 10; v. 257; p. 369.
Williams, Lee S. (See Halliburton, William, assignor.)
Williams, Lloyd M., P. J., and C. L., assignors to Williams-Brothers Aircraft Corporation, San Francisco, Cal. Accelerator attachment. No. 1,284,523; Nov. 12; v. 256; p. 312.
Williams, Louis N. D., Ogontz, Pa. Uniting stitches around the ends of knitted webs. No. 1,258,513; Mar. 5; v. 248; p. 164.
Williams, Louis N. D., Ogontz, Pa. Hosiery. No. 1,270,083; June 18; v. 251; p. 609.
Williams, Louis N. D., Ogontz, Pa. Uniting knitted webs. No. 1,270,084; June 18; v. 251; p. 609.
Williams, Louis N. D., Ogontz, Pa. Stitch-transferring device for knitting-machines. No. 1,285,526; Nov. 19; v. 256; p. 603.
Williams, Martin L., South Bend, Ind., assignor, by mesne assignments, to Gillette Motors Company, Chicago, Ill. Gas-engine. No. 1,261,085; Apr. 2; v. 249; p. 27.
Williams, Martin L., South Bend, Ind., and S. E. Witt, Chicago, Ill., assignors, by mesne assignments, to American Sleeve-Valve Motor Company. Gas-engine. No. 1,268,522; June 4; v. 251; p. 129.
Williams, Mattie E., Louisburg, N. C. Bed-spring cover. No. 1,265,152; May 7; v. 250; p. 78.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. General grinder. No. 1,258,969; Mar. 12; v. 248; p. 335.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Metal-extractor for rotary mills. No. 1,258,970; Mar. 12; v. 248; p. 335.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Hammer for rotary mills. No. 1,266,894; May 21; v. 250; p. 618.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Breaker-plate for grinders. No. 1,274,126; July 30; v. 252; p. 1061.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Cage for reducing-machines. No. 1,275,346; Aug. 13; v. 253; p. 308.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Cage for reducing-machines. No. 1,275,347; Aug. 13; v. 253; p. 308.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Co., St. Louis, Mo. Metal-catcher for grinders. No. 1,278,542; Sept. 10; v. 254; p. 353.
Williams, Milton F., assignor to Williams Patent Crusher & Pulverizer Co., St. Louis, Mo. Lip-plate for grinders. No. 1,282,156; Oct. 22; v. 255; p. 657.
Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Separating and reducing mechanism. No. 1,288,785; Dec. 24; v. 257; p. 733.
Williams, Montagu S., Merrickville, near Sydney, assignor of one-half to T. R. Kirkland, Merrickville, New South Wales, Australia. Roofing-washer and screw. No. 1,286,862; Dec. 3; v. 257; p. 161.
Williams, Nolan S., assignor to Victory Piston Ring Mfg. Co., El Paso, Tex. Metallic packing for pistons. No. 1,288,343; Dec. 17; v. 257; p. 597.
Williams, Norman, Blanchard, Ill. Guard and sickle-bar attachment. No. 1,279,809; Sept. 24; v. 254; p. 753.
Williams Oil Control Transmission Company. (See Williams, Alva J., assignor.)
Williams, Oscar L., Coosada, Ala. Planter. No. 1,270,577; June 25; v. 251; p. 771.
Williams, Owen G. (See Bunnell and Williams.)
Williams Patent Crusher & Pulverizer Co., The. (See Plaisted, Harold M., assignor.)
Williams Patent Crusher and Pulverizer Co. (See Williams, Milton F., assignor.)
Williams, Paul E., Texarkana, Tex. Can-opener. No. 1,259,574; Mar. 19; v. 248; p. 539.
Williams, Percy J. (See Williams, Lloyd M., P. J., and C. L.)
Williams, Peter K., Columbus, Ohio. Aerial top. No. 1,264,733; Apr. 30; v. 249; p. 1158.
Williams, Philip K., assignor to The J. B. Williams Company, Glastonbury, Conn. Soap-stick holder. No. 1,257,436; Feb. 26; v. 247; p. 789.
Williams, Philip K., assignor to the J. B. Williams Company, Glastonbury, Conn. Soap cake. No. 1,267,949; May 28; v. 250; p. 941.
Williams, Philip K., and G. S. Hurst, assignors to The J. B. Williams Company, Glastonbury, Conn. Powder-receptacle. No. 1,277,281; Aug. 27; v. 253; p. 904.
Williams-Purchas Manufacturing Co., The. (See Williams, John A., assignor.)
Williams, Richard, Cleveland, Ohio. Sleeve-bolt. No. 1,267,030; May 21; v. 250; p. 657.
Williams, Richard M., Shawnee, Okla. Gun attachment. No. 1,266,087; May 14; v. 250; p. 365.
Williams, Robert N., London, England, assignor to Powers Accounting Machine Company, New York, N. Y. Tabulating machine and cards therefor. No. 1,274,484; Aug. 6; v. 253; p. 41.
Williams, Robert P., Winder, Ga. Press for plow-scrapers. No. 1,268,655; June 4; v. 251; p. 167.
Williams, Robert R. (See Cecil, William A., assignor.)
Williams, Robert R., Manila, Philippine Islands. Refining sugar. No. 1,256,758; Feb. 19; v. 247; p. 556.
Williams, Roger H., *et al.* (See Mettlin, Thomas E., assignor.)
Williams, Samuel A., Los Angeles, Cal. Mechanical movement. No. 1,252,758; Jan. 8; v. 246; p. 415.
Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Ringing control system for telephone-exchanges. No. 1,251,604; Jan. 1; v. 246; p. 48.
Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,253,657; Jan. 15; v. 246; p. 707.
Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,279,811; Sept. 24; v. 254; p. 754.

Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,279,812; Sept. 24; v. 254; p. 754.
Williams, Samuel B., Jr., Brooklyn, and A. B. Sperry, assignors to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. No. 1,252,978; Jan. 8; v. 246; p. 479.
Williams, Samuel B., Jr., Brooklyn, and E. H. Clark, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,256,087; Feb. 12; v. 247; p. 323.
Williams, Sidney, *et al.* (See Baer, Charles H., assignor.)
Williams, Sidney, Elk Mountain, Wyo. Wrench. No. 1,279,955; Sept. 24; v. 254; p. 795.
Williams, Sidney J., Kensington, London, England. Ignition apparatus for use with internal-combustion engines. No. 1,269,889; June 18; v. 251; p. 560.
Williams, Theodore D., assignor of one-third to W. A. Matson, Rochester, N. Y. Pay-roll-calculating machine. No. 1,262,727; Apr. 16; v. 249; p. 548.
Williams, Thomas, Dunvant, Swansea, England. Artificial arm. No. 1,261,333; Apr. 2; v. 249; p. 97.
Williams, Thomas, Cale, Ark. Neck-yoke. No. 1,282,157; Oct. 22; v. 255; p. 657.
Williams, Thomas A., Elkins, N. Mex. Well-drill. No. 1,257,659; Feb. 26; v. 247; p. 856.
Williams, Thomas E., Winnipeg, Manitoba, Canada, assignor of one-half to L. A. Dewey, Philadelphia, Pa. Insect-screen for cribs or beds. No. 1,264,734; Apr. 30; v. 249; p. 1158.
Williams, Thomas J., Kansas City, Kans. Hose-clamp. No. 1,259,329; Mar. 12; v. 248; p. 437.
Williams, Thomas R., Youngstown, Ohio. Mold for building-blocks. No. 1,277,674; Sept. 3; v. 254; p. 95.
Williams, Tom, Marysville, Kans. Music-leaf turner. No. 1,265,568; May 7; v. 250; p. 189.
Williams, Tom, Marysville, Kans. Rotary spader. No. 1,271,818; July 9; v. 252; p. 330.
Williams, Tom, Pilot, Wyo. Dish-washing machine. No. 1,289,588; Dec. 31; v. 257; p. 955.
Williams, Walter L. (See Harris and Williams.)
Williams, Warren S., Zanesville, Ohio. Pencil. No. 1,274,485; Aug. 6; v. 253; p. 41.
Williams, Wayland B., and G. A. McDougall, Oakland, Cal. Tape-measure. No. 1,264,466; Apr. 30; v. 249; p. 1085.
Williams, White & Company. (See Warner, Arthur L., assignor.)
Williams, William. (See Tune and Williams.)
Williams, William E., Chicago, Ill. Universal joint for power-transmission. No. 1,252,068; Jan. 1; v. 246; p. 184.
Williams, William E., Chicago, Ill. Universal joint. No. 1,253,919; Jan. 15; v. 246; p. 781.
Williams, William E., Chicago, Ill. Marking articles of the shredded-cereal-biscuit type. No. 1,263,009; Apr. 16; v. 249; p. 628.
Williams, William E., Chicago, Ill. Pressed-steel wheel. No. 1,279,198; Sept. 17; v. 254; p. 558.
Williams, William F., Miami, Ariz. Multiple-signature machine. No. 1,268,523; June 4; v. 251; p. 129.
Williams, William G., Columbus Junction, Iowa. Chiropractic operating-table. No. 1,269,354; June 11; v. 251; p. 380.
Williams, William K., and A. Vandervelt, Grand Rapids, Mich. Shelving. No. 1,280,114; Sept. 24; v. 254; p. 838.
Williams, William L. (See Williams, James E. and W. L.)
Williams, Willis D., St. Louis, Mo., assignor to Williams Boltless Rail Joint Manufacturing Company, Prescott, Ariz. Rail-joint clamp. No. 1,251,605; Jan. 1; v. 246; p. 48.
Williams, Winfield S. (See Paine and Williams.)
Williamson, Clarence H., Altoona, Pa. Dumping-car door. No. 1,287,548; Dec. 10; v. 257; p. 370.
Williamson, Clifford V. (See Fuller, Joseph C., assignor.)
Williamson, Edward B., Richmond, Va. Bundling device for lumber-trimming machines and the like. No. 1,253,447; Jan. 15; v. 246; p. 649.
Williamson, Edwin G. (See Roberts and Williamson.)
Williamson, Glenn S., assignor to Shurloc Elevator Safety Company, Inc., New York, N. Y. Safety system for swinging elevator doors. No. 1,274,127; July 30; v. 252; p. 1062.
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Williamson Heater Company, The. (See Richardson, John N., assignor.)
Williamson, James, Newport News, Va. Blading turbines. No. 1,269,144; June 11; v. 251; p. 321.
Williamson, James, assignor to R. Williamson & Co., Chicago, Ill. Holder for electric-light sockets. No. 1,284,012; Nov. 5; v. 256; p. 150.
Williamson, James C., Cordele, Ga. Lubricant-supplying device for engines. No. 1,251,606; Jan. 1; v. 246; p. 49.
Williamson, James D., Phoenixville, Pa. Wheel-rim. No. 1,279,199; Sept. 17; v. 254; p. 558.
Williamson, Jesse O., Lewistown, Ill. Curtain and shade bracket. No. 1,258,514; Mar. 5; v. 248; p. 164.
Williamson, Joel E., Evansville, Ind. Telephone attachment. No. 1,274,128; July 30; v. 252; p. 1062.
Williamson, John S., Forest Park, Md. Door-operating device. No. 1,253,448; Jan. 15; v. 246; p. 649.
Williamson, John T. (See Pettit, Ernest H., assignor.)
Williamson, Robert B. (See Davis and Williamson.)
Williamson, Robert B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Retaining-wedge for dynamo-electric machines. No. 1,279,810; Sept. 24; v. 254; p. 753.
Williamson, Samuel S., Philadelphia, Pa. Grease-cup. No. 1,281,888; Oct. 15; v. 255; p. 543.
Williamson, Samuel S., and H. D. Boyer, Philadelphia, Pa. Closure for containers. No. 1,275,816; Aug. 13; v. 253; p. 437.
Williamson, Walter, Everett, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Time controlling and recording mechanism. No. 1,255,968; Feb. 12; v. 247; p. 288.
Williamson, William A., Newark, N. J. Can-opener. No. 1,269,031; June 11; v. 251; p. 289.
Willie, John, *et al.* (See Marsh, Frederick, assignor.)
Williford, Jacob V., Mount Vernon, Ill. Call-bell clock. No. 1,268,656; June 4; v. 251; p. 167.
Williford, Q. L. (See West, Chester R., assignor.)
Willis, Bernard D. (See Blessing and Willis.)
Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Testing system for party-lines. No. 1,252,979; Jan. 8; v. 246; p. 479.
Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Semi-automatic telephone system. No. 1,263,010; Apr. 16; v. 249; p. 628.
Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Telephone trunk-circuits. No. 1,267,031; May 21; v. 250; p. 657.
Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Automatic manual telephone system. No. 1,268,068; May 28; v. 250; p. 972.
Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,277,675; Sept. 3; v. 254; p. 95.
Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,280,609; Oct. 1; v. 255; p. 137.
Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Special-service trunk for automatic telephone systems. No. 1,281,112; Oct. 8; v. 255; p. 301.
Willis, Bertie G., Avoca, N. C. Torpedo-guard. No. 1,267,032; May 21; v. 250; p. 657.
Willis, Carter A. and R. M., Chanute, Kans. Separator. No. 1,274,486; Aug. 6; v. 253; p. 42.
Willis, Charles C., Framingham, Mass., assignor, by mesne assignments, to The People of the United States of America. Surgical dressing. No. 1,263,723; Apr. 23; v. 249; p. 845.
Willis, Frederick M., assignor to S.-P. Vaporizer Company, New York, N. Y. Fuel-mixer. No. 1,254,100; Jan. 22; v. 246; p. 854.
Willis, George M., Chicago, assignor of one-half to C. A. Brown, Hinsdale, Ill. Transmission mechanism. No. 1,257,660; Feb. 26; v. 247; p. 856.
Willis, George M., Chicago, Ill., assignor to Brown, Hanson & Boettcher. Engine-starter. No. 1,268,776; June 4; v. 251; p. 199.
Willis, George M., Chicago, Ill., assignor to Brown, Hanson & Boettcher. Transmission mechanism. No. 1,268,777; June 4; v. 251; p. 200.
Willis, George W., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Disk harrow. No. 1,260,497; Mar. 26; v. 248; p. 838.
Willis, Harry L., assignor to Union Special Machine Company, Chicago, Ill. Folder for sewing-machines. No. 1,268,415; June 4; v. 251; p. 98.
Willis, Harry S., New York, N. Y. Egg-carrier. No. 1,285,527; Nov. 19; v. 256; p. 603.
Willis, James W., Walkerville, Ontario, Canada. Portable hat and coat hook. No. 1,265,569; May 7; v. 250; p. 189.
Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Combined fertilizer and seed-planter. No. 1,253,759; Jan. 15; v. 246; p. 736.
Willis, Leland, and O. F. Woodworth, assignors to Bateman Manufacturing Company, Grenloch, N. J. Cultivator. No. 1,284,011; Nov. 5; v. 256; p. 150.
Willis, Reuben M. (See Willis, Carter A. and R. M.)
Willis, Russell L., Manchester, N. H. Attachment for collapsible tubes. No. 1,274,129; July 30; v. 252; p. 1062.
Willis, Samuel B. and W. G., New York, N. Y. Submarine spar-net shield. No. 1,260,842; Mar. 26; v. 248; p. 938.
Willis, William G. (See Willis, Samuel B. and W. G.)
Willits, Guy L., Minneapolis, Minn. Alarm-clock. No. 1,264,467; Apr. 30; v. 249; p. 1086.
Willmer, Eddie R., Hubbell, Mich. Wire-stretcher. No. 1,264,357; Apr. 30; v. 249; p. 1053.
Wills, Arthur J., deceased, Brookfield, Mass.; M. B. Wills, executrix. Trimmer. No. 1,281,461; Oct. 15; v. 255; p. 480.

Wills, Arthur J., deceased, Brookfield, Mass.; M. B. Wills, executrix. Device for molding sheet-rubber. No. 1,281,462; Oct. 15; v. 255; p. 430.
Wills, Arthur J., deceased, Worcester, Mass.; M. B. Wills, executrix. Machine for plaiting fabric, particularly rubber fabric. No. 1,281,463; Oct. 15; v. 255; p. 430.
Wills, Child H., Detroit, Mich. Alloy steel. No. 1,278,082; Sept. 3; v. 254; p. 204.
Wills, Child H., Detroit, Mich. Chrome-steel. No. 1,288,344; Dec. 17; v. 257; p. 598.
Wills, Child H., Detroit, Mich. Spring-steel. No. 1,288,345; Dec. 17; v. 257; p. 598.
Wills, Donald R., Washington Court-House, assignor of one-half to A. Klein, Cincinnati, Ohio. Carbureter. No. 1,263,501; Apr. 23; v. 249; p. 787.
Wills, Mabel B., executrix. (See Wills, Arthur J.)
Wills, Walter B., and N. C. Miles, Baltimore, Md. Folding canning-tray. No. 1,283,389; Oct. 29; v. 255; p. 1019.
Wills, William S., Covington, Va. Spring-wheel. No. 1,259,697; Mar. 19; v. 248; p. 572.
Wills, William W., Palmyra, Va. Fertilizer-distributing attachment. No. 1,258,515; Mar. 5; v. 248; p. 164.
Willsie, Henry E., Cranford, N. J. Box-closure. No. 1,264,735; Apr. 30; v. 249; p. 1158.
Willson, Charles T., Millerton, N. Y. Water-cooling apparatus. No. 1,273,436; July 23; v. 252; p. 833.
Willson, Frederick, assignor to T. A. Willson & Co., Inc., Reading, Pa. Goggles. No. 1,254,296; Jan. 22; v. 246; p. 910.
Willson, Frederick, assignor to T. A. Willson & Co., Inc., Reading, Pa. Spectacles. No. 1,269,990; June 18; v. 251; p. 585.
Willson, Freeman R., Worthington, Ohio. Vehicle-wheel. No. 1,255,262; Feb. 5; v. 247; p. 42.
Willson, John F., Tampa, Fla. Canning device. No. 1,267,486; May 28; v. 250; p. 809.
Willson, Russell A., Spokane, Wash, assignor to The Rail Joint Company, New York, N. Y. Compromise rail-joint. No. 1,279,813; Sept. 24; v. 254; p. 754.
Willson, Samuel T., Brooklyn, N. Y. Burner-head. No. 1,289,992; Dec. 31; v. 257; p. 1054.
Willson, Thomas G., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for governing the passage of cars or vehicles along a railway and the controls thereof. No. 1,259,184; Mar. 12; v. 248; p. 397.
Willwerscheid, Theodor R., St. Paul, Minn. Spray-finishing machine. No. 1,264,358; Apr. 30; v. 249; p. 1053.
Willys-Overland Company, The. (See Kehoe, Thomas J., assignor.)
Willys-Overland Company, The. (See McKinley, Charles W., assignor.)
Wilm, Alfred, Schlachtensee-Berlin, Germany. Making aluminum-alloy articles. No. 1,261,987; Apr. 9; v. 249; p. 312.
Wilmans, Lloyd L., Irving, Tex. Line-type-casting machine. No. 1,258,171; Mar. 5; v. 248; p. 64.
Wilmarth & Morman Company. (See Gorham, Edwin T., assignor.)
Wilmarth Show Case Company. (See Morris, Edmund, assignor.)
Wilmore, John T., Seattle, Wash. Vending-machine. No. 1,273,437; July 23; v. 252; p. 834.
Wilmot Castle Company. (See Underwood, Weeden B., assignor.)
Wilmot, Edwin F., assignor to The Carton Belting Company, Allston, Mass. Shuttle. No. 1,265,570; May 7; v. 250; p. 190.
Wilmot, George W., Hazleton, Pa. Oil-filter. No. 1,287,160; Dec. 10; v. 257; p. 275.
Wilmot, William G. (See Alexander, Verne P., assignor.)
Wilms, Leo W. V., Chicago, Ill. Shoe. No. 1,276,603; Aug. 20; v. 253; p. 689.
Wilputte, Louis. (See Hubbell, John E., assignor.)
Wilputte, Louis, New Rochelle, N. Y. Coke-oven. No. 1,253,760; Jan. 15; v. 246; p. 737.
Wilputte, Louis, New Rochelle, N. Y. Nozzle and nozzle-mounting. No. 1,274,487; Aug. 6; v. 253; p. 42.
Wilschewski, Alexander, Edna, Minn. Self-adjusting piston-pin. No. 1,288,786; Dec. 24; v. 257; p 734.
Wilsdorf, Elmer L., East Cleveland, assignor of one-fourth to C. E. Moyer and one-fourth to G. Umstead, Cleveland, Ohio. Flying-machine. No. 1,288,781; Dec. 24; v. 257; p. 733.
Wilsey, Irven H., and W. H. Green, assignors of one-half to said Green and one-half to F. A. Adkins, Chicago, Ill. Heat-ratio indicator. No. 1,268,196; June 4; v. 251; p. 36.
Wilson, Albert M., Cherokee, Iowa. Hose-supporter. No. 1,274,225; July 30; v. 252; p. 1089.
Wilson, Alexander C., Toronto, Ontario, Canada. Dimmer-lens. No. 1,274,648; Aug. 6; v. 253; p. 89.
Wilson, Allan P. (See Wilson, Robert A. and A. P.)
Wilson, Alvin I. V. (See Howell and Wilson.)
Wilson, Anson M., Moweaqua, Ill. Blackboard chalk-rack. No. 1,259,185; Mar. 12; v. 248; p. 398.
Wilson & Bennett. (See Wilson, James H., assignor.)
Wilson Bohannen, Inc. (See Kirsch, Anthony, assignor.)
Wilson, Carl F., Bay City, Mich. Walking-machine. No. 1,267,033; May 21; v. 250; p. 658.
Wilson, Carl F., Bay City, Mich. Walking-dredge. No. 1,289,589; Dec. 31; v. 257; p. 955.
Wilson, Charles E. (See Turnbull, John T., assignor.)
Wilson, Charles E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Cut-out. No. 1,289,338; Dec. 31; v. 257; p. 893.
Wilson, Charles E., W. H. Kempton, Wilkinson, and A. J. Bastian, Edgewood Park, Pa., assignors to Westinghouse Electric & Manufacturing Company. Molded commutator-cylinder. No. 1,284,524; Nov. 12; v. 256; p. 312.
Wilson, Charles M., Elmira, N. Y. Vehicle-lamp. No. 1,259,816; Mar. 19; v. 248; p. 607.
Wilson, Charles P., Chicago, Ill. Fluid-actuated vibrator. No. 1,267,833; May 28; v. 250; p. 909.
Wilson, Charles W., St. Louis, Mo. Automobile traffic-signal. No. 1,271,404; July 2; v. 252; p. 182.
Wilson, Clara P., Los Angeles, Cal. Foldable mattress. No. 1,271,496; July 2; v. 252; p. 207.
Wilson & Co. (See Blocksom, Berget H., assignor.)
Wilson, Cora E., Centralia, Wash. Can-opener. No 1,267,615; May 28; v. 250; p. 847.
Wilson, Cortez L., Bisbee, Ariz. Drill-extractor. No. 1,272,749; July 16; v. 252; p. 621.
Wilson, David H., New York, N. Y. Electric battery. No. 1,276,604; Aug. 20; v. 253; p. 689.
Wilson, David H., New York, N. Y. Electric gravity-battery. No. 1,289,030; Dec. 24; v. 257; p. 791.
Wilson Distilling Company, The. (See Lacroix, Joseph D., assignor.)
Wilson, Edgar I., Kansas City, Mo. Illuminated sign. No. 1,272,593; July 16; v. 252; p. 576.
Wilson, Edward F. (See Waldo and Wilson.)
Wilson, Edward R., Alameda, Cal. Index-card. No. 1,259,330; Mar. 12; v. 248; p. 437.
Wilson, Edwin W., Chicago, Ill. Steering mechanism for automobiles. No. 1,264,587; Apr. 30; v. 249; p. 1119.
Wilson, Emery J., Cleveland, Ohio. Hoisting and conveying apparatus. No. 1,267,727; May 28; v. 250; p. 877.
Wilson, Eugene W., Springfield, Ill. Package. No. 1,254,755; Jan. 29; v. 246; p. 1072.
Wilson, Eunice K., Los Angeles, Cal. Sleeve. No. 1,262,891; Apr. 16; v. 249; p. 594.
Wilson, Frank E., London, England. Switch. No. 1,269,237; June 11; v. 251; p. 348.
Wilson, Frank H., Hartstown, Pa. Pan-lifter. No. 1,288,346; Dec. 17; v. 257; p. 598.
Wilson, Frederick D., assignor to Deere and Company, Moline, Ill. Sheaf-carrier. No. 1,281,464; Oct. 15; v. 255; p. 431.
Wilson, George H., Louisville, Ky. Antisnoring device. No. 1,256,188; Feb. 12; v. 247; p. 355.
Wilson, George H., Minneapolis, Minn. Steering device for automobiles. No. 1,265,982; May 14; v. 250; p. 336.
Wilson, George O., Wheatley, Ky. Fence-stretcher clamp. No. 1,254,458; Jan. 22; v. 246; p. 955.
Wilson, Green B., Nevada, Iowa. Register-fan. No. 1,274,649; Aug. 6; v. 253; p. 89.
Wilson, H. C. (See Whitaker, James S., assignor.)
Wilson, Halsey W., Minneapolis, Minn. Printer's chase. No. 1,266,366; May 14; v. 250; p. 441.
Wilson, Harold L., Holt, Mich. Holder for cleaning blackboard-erasers. No. 1,276,470; Aug. 20; v. 253; p. 652.
Wilson, Howard B. (See Seghers, Emiel P., assignor.)
Wilson, Ira H., Fredonia, Kans. Adjustable support or rest. No. 1,266,367; May 14; v. 250; p. 441.
Wilson, J. Pearl, Jacksonville, Fla. Lug. No. 1,278,543; Sept. 10; v. 254; p. 353.
Wilson-Jacobs Drum Manufacturing Company. (See Wilson, Tom, assignor.)
Wilson, James, Stratford, Conn., assignor to H. W. Johns-Manville Company. Apparatus for laying roofing-felts. No. 1,278,272; Sept. 10; v. 254; p. 281.
Wilson, James, Jamestown, N. Y., assignor to Salisbury Ball Bearing Corporation. Chuck. No. 1,285,866; Nov. 26; v. 256; p. 729.
Wilson, James, assignor to Salisbury Ball Bearing Corporation, Jamestown, N. Y. Ball-bearing. No. 1,285,867; Nov. 26; v. 256; p. 730.
Wilson, James A., Fulda, Minn. Folding glass window. No. 1,262,892; Apr. 16; v. 249; p. 594.
Wilson, James F., Wichita Falls, Tex. Support for telegraph line-wires and the like. No. 1,266,736; May 21; v. 250; p. 575.
Wilson, James G. (See Wilson, Sutton, and Jones, assignors.)
Wilson, James H., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Can. No. 1,270,758; June 25; v. 251; p. 818.
Wilson, James M., Rochester, N. Y. Auto-lock. No. 1,280,348; Oct. 1; v. 255; p. 65.
Wilson, James M., assignor to Splitdorf Electrical Company, Newark, N. J. End plate for combined igniting and lighting generators. No. 1,260,843; Mar. 26; v. 248; p. 938.
Wilson, James M., assignor to Splitdorf Electrical Company, Newark, N. J. Push-button switch. No. 1,265,017; May 7; v. 250; p. 41.
Wilson, James N., Micco, Fla. Grubbing-plow. No. 1,279,956; Sept. 24; v. 254; p. 795.

Alphabetical list of patentees—Continued.

Wilson, James S., Scranton, Pa. Grate. No. 1,282,346; Oct. 22; v. 255; p. 708.
Wilson, James W. (See Bone, Wilson, and McCourt.)
Wilson, James W. (See Jewell, Chester C., assignor.)
Wilson, John B., Pasco, Wash. Wedge-retaining device. No. 1,254,101; Jan. 22; v. 246; p. 854.
Wilson, John C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Meter. No. 1,254,871; Jan. 29; v. 246; p. 1108.
Wilson, John C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Meter. No. 1,257,568; Feb. 26; v. 247; p. 830.
Wilson, John C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Meter. No. 1,260,498; Mar. 26; v. 248; p. 839.
Wilson, John C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fluid-meter. No. 1,279,626; Sept. 24; v. 254; p. 700.
Wilson, John C., assignor to The Cutler-Hammond Mfg. Co., Milwaukee, Wis. Means for measuring electrical energy. No. 1,284,846; Nov. 12; v. 256; p. 393.
Wilson, John C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fluid-meter. No. 1,285,868; Nov. 26; v. 256; p. 730.
Wilson, John C., and H. N. Packard, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Means for regulating temperature. No. 1,261,086; Apr. 2; v. 249; p. 27.
Wilson, John E., Phillipsburg, N. J. Toy. No. 1,283,390; Oct. 29; v. 255; p. 1019.
Wilson, John G. (See Michelson and Wilson.)
Wilson, John J. (See Burns and Wilson.)
Wilson, John M., *et al.* (See Baker, William F., assignor.)
Wilson, John M., Montclair, assignor to F. Murphy, Newark, N. J. Treating car-seats. No. 1,256,189; Feb. 12; v. 247; p. 355.
Wilson, John O., Chicago, Ill. Trailer-truck. No. 1,267,487; May 28; v. 250; p. 809.
Wilson, John S., and W. E. Dalby, London, assignors of one-third to W. G. Armstrong-Whitworth and Company Limited, Newcastle-upon-Tyne, England. Sighting apparatus for measuring angular velocities. No. 1,252,379; Jan. 1; v. 246; p. 271.
Wilson, John T., Alameda, Cal. Packing-ring for pistons. No. 1,282,347; Oct. 22; v. 255; p. 708.
Wilson, Joseph B., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Valve-control mechanism. No. 1,289,339; Dec. 31; v. 257; p. 894.
Wilson, Joseph D., assignor of one-half to G. A. Hanson, Upland, Cal. Preserving citrus fruits. No. 1,272,750; July 16; v. 252; p. 621.
Wilson, Joseph T., Clayton, N. J., assignor to Silver-Chamberlin Company. Tooth-brush. No. 1,271,252; July 2; v. 252; p. 141.
Wilson, Leonard B., Bellevue, Pa. Anti-skid-chain applicator. No. 1,251,607; Jan. 1; v. 246; p. 49.
Wilson, Leonard P. (See Glover and Wilson.)
Wilson, Leonard P., Coventry, England, assignor, by mesne assignments, to The Viscose Company, Marcus Hook, Pa. Manufacture of cellulose compounds. No. 1,279,200; Sept. 17; v. 254; p. 559.
Wilson, Leslie A., Berlin, Wis. Repair-stand. No. 1,278,273; Sept. 10; v. 254; p. 282.
Wilson, Louie G., Morning Sun, Iowa. Beet-harvester. No. 1,257,168; Feb. 19; v. 247; p. 677.
Wilson, Lydell L., East Randolph, N. Y. Combination railway-tie. No. 1,265,571; May 7; v. 250; p. 190.
Wilson, Merit E., Watertown, S. D. Attachment for automobiles. No. 1,265,408; May 7; v. 250; p. 148.
Wilson, Percy H., Norfolk, Va.; W. Sutton and B. Jones, New York, N. Y., assignors to James G. Wilson, Norfolk, Va. Illuminant. No. 1,271,819; July 9; v. 252; p. 330.
Wilson, Peter J., Chicago, Ill. Toy. No. 1,253,449; Jan. 15; v. 246; p. 649.
Wilson, Richard H., Newark, N. J. Baby-cabinet. No. 1,288,347; Dec. 17; v. 257; p. 598.
Wilson, Richard H., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Vacuum-tube voltmeter. No. 1,287,161; Dec. 10; v. 257; p. 276.
Wilson, Robert A., Watertown, and A. P. Wilson, assignors to Boston Pencil Pointer Company, Waltham, Mass. Pencil-pointer. No. 1,285,528; Nov. 19; v. 256; p. 603.
Wilson, Samuel J., Roberts, assignor of one-half to P. Basinger, Clyde, Idaho. Beet harvesting and topping machine. No. 1,285,529; Nov. 19; v. 256; p. 604.
Wilson, Samuel M., East Durham, N. C. Mail-catcher. No. 1,268,311; June 4; v. 251; p. 69.
Wilson, Samuel R., Philadelphia, Pa. Pavement-painter. No. 1,268,524; June 4; v. 251; p. 130.
Wilson, Silvestre F., Fruitvale, Cal. Fastener. No. 1,253,658; Jan. 15; v. 246; p. 708.
Wilson, Sinclair A., assignor to Woodard, Clarke & Co., Portland, Oreg. Surgical apparatus. No. 1,287,549; Dec. 10; v. 257; p. 370.
Wilson, Thomas, Downieville, Cal. Vehicle-frame suspension. No. 1,252,759; Jan. 8; v. 246; p. 415.
Wilson, Thomas V., assignor to Textile Machine Works, Wyomissing borough, Pa. Braiding-machine carrier. No. 1,261,988; Apr. 9; v. 249; p. 313.
Wilson, Tom, assignor to Wilson-Jacobs Drum Manufacturing Company, Chicago, Ill. Drum. No. 1,254,756; Jan. 29; v. 246; p. 1072.
Wilson, Tom, assignor to Wilson-Jacobs Drum Manufacturing Company, Chicago, Ill. Drum. No. 1,254,757; Jan. 29; v. 246; p. 1072.
Wilson, Tom, assignor to Wilson-Jacobs Drum Manufacturing Company, Chicago, Ill. Attachment for bass drums. No. 1,281,465; Oct. 15; v. 255; p. 431.
Wilson, Vance W., Brooklet, Ga. Top hame-fastener. No. 1,285,530; Nov. 19; v. 256; p. 604.
Wilson, Walter, Dunfermline, Scotland. Reinforced concrete. No. 1,259,698; Mar. 19; v. 248; p. 573.
Wilson, Wesley E., assignor to The Akron Rubber Mold & Machine Company, Akron, Ohio. Cutting device. No. 1,281,113; Oct. 8; v. 255; p. 301.
Wilson, William, London, England. Orrery, tellurion, and the like. No. 1,256,855; Feb. 19; v. 247; p. 586.
Wilson, William, Marietta, Ga. Motor-vehicle driving mechanism. No. 1,274,650; Aug. 6; v. 253; p. 89.
Wilson, William F., Denver, Colo. Combination hammer and tool-holder. No. 1,258,070; Mar. 5; v. 248; p. 35.
Wilson, William G., West Brighton, N. Y. Hose-coupling. No. 1,264,736; Apr. 30; v. 249; p. 1158.
Wilson, William H. (See Spencer and Wilson.)
Wilson, William J., Buckholts, Tex. Cultivator. No. 1,280,610; Oct. 1; v. 255; p. 137.
Wilson, William L., trustee. (See Lewis, James N., assignor.)
Wilson, William R., Terre Haute, Ind. Hub structure for roller-bearings. No. 1,277,517; Sept. 3; v. 254; p. 51.
Wilson, William R., assignor to Wabash Manufacturing Company, Terre Haute, Ind. Roller-bearing construction for vehicle-wheels. No. 1,261,665; Apr. 2; v. 249; p. 191.
Wilson, William T., Chicago, Ill. Furnace. No. 1,262,893; Apr. 16; v. 249; p. 594.
Wilson, William W., *et al.* (See Slavin, Thomas H., assignor.)
Wilson, William W., Los Angeles, Cal. Well-boring apparatus. No. 1,276,471; Aug. 20; v. 253; p. 652.
Wilson, William W., Los Angeles, Cal. Underreamer. No. 1,279,814; Sept. 24; v. 254; p. 754.
Wilson, Wylie G., New York, N. Y., assignor to Everlasting Valve Company. Valve control. No. 1,256,759; Feb. 19; v. 247; p. 556.
Wilt, A. D., Jr. (See Lees, Ernest J., assignor.)
Wilt, A. D., Jr. (See Whipple, Charles H., assignor.)
Wilt, Alice E., Philadelphia, Pa. Watering-pot. No. 1,271,405; July 2; v. 252; p. 182.
Wilt, Alice G., Philadelphia, Pa. Paper-doll's-dress fastener. No. 1,255,677; Feb. 5; v. 247; p. 163.
Wilt, Charles N. (See Murray and Wilt.) (Reissue.)
Wiltbonco Manufacturing Company. (See Eibye, Carl, assignor.)
Wilton, Harry J., Vancouver, British Columbia, Canada. Buckle. No. 1,260,844; Mar. 26; v. 248; p. 939.
Wiltse, Clarence B., and W. J. Smith, Mount Kisco, N. Y. Shutter-hinge. No. 1,280,611; Oct. 1; v. 255; p. 138.
Wiltshire, William H., Gillespieville, Ohio. Gravel-bottom for wagon-beds. No. 1,270,085; June 18; v. 251; p. 610.
Wilzin, Arthur, St. Ouen, France. Gathering device for glass gathering and blowing machines. No. 1,263,982; Apr. 23; v. 249; p. 918.
Winans, Daniel M., Binghamton, N. Y. Support for vehicle-tops. No. 1,273,710; July 23; v. 252; p. 906.
Winans, Daniel M., assignor to The Brewer-Titchener Corporation, Binghamton, N. Y. Fastener for vehicle-curtains. No. 1,258,172; Mar. 5; v. 248; p. 65.
Winans, Daniel M., assignor to Crandal, Stone & Company, Binghamton, N. Y. Fastener for automobile and vehicle curtains. No. 1,264,242; Apr. 30; v. 249; p. 1023.
Winans, Henry C., Prescott, Wash. Fruit-grader. No. 1,286,863; Dec. 3; v. 257; p. 161.
Winchester, Franklin E. (See Weller and Winchester.)
Winchester Repeating Arms Co. (See Brewer, Henry, assignor.)
Winchester Repeating Arms Co. (See Burton, Frank F., assignor.)
Winchester Repeating Arms Co. (See Johnson, Thomas C., assignor.)
Winchester Repeating Arms Co. (See Johnson and Knous, assignors.)
Winchester Repeating Arms Co. (See Otterson, John E., assignor.)
Winchester Repeating Arms Co. (See Palmer, Erik S., assignor.)
Winckler, Aage E., assignor of one-half to J. I. Case Threshing Machine Company, Racine, Wis. Explosive-engine. No. 1,287,550; Dec. 10; v. 257; p. 370.
Windau, Albert C., assignor of one-half to E. Hill, Portland, Oreg. Engine-starter. No. 1,281,733; Oct. 15; v. 255; p. 500.
Winder, Charles B., Columbus, Ohio. Camp equipment. No. 1,260,845; Mar. 26; v. 248; p. 939.
Winder, William, and H. McNally, Richland Center, Wis. Milk-sediment tester. No. 1,264,243; Apr. 30; v. 249; p. 1023.
Windham, Calvin M., Lamar, S. C. Plow-stock. No. 1,277,016; Aug. 27; v. 253; p. 834.

Windham, John H., Union, Miss. Gate-latch. No. 1,286,864; Dec. 3; v. 257; p. 161.
Windle, Glen, Chardon, Kans. Clothes-hook. No. 1,260,846; Mar. 26; v. 248; p. 939.
Windler, Jakob, Thun, Switzerland. Safety-razor. No. 1,262,292; Apr. 9; v. 249; p. 396.
Window Crib Company. (See Lafferty, Robert C., assignor.)
Window Glass Machine Company. (See Reo, Peter, assignor.)
Window Glass Machine Company. (See Waterloo, John, assignor.)
Window Glass Machine Company. (See Waterloo and Jacqmain, assignors.)
Window Glass Machine Company. (See Waterloo and Klages, assignors.)
Window Glass Rotary Pot Company. (See Standley and Campbell, assignors.)
Window Ventilator Company of America, The. (See Wanemaker, Louis W., assignor.)
Windridge, Frederick N., assignor of one-third to J. S. Ward, Cherrydale, Va. Indicating apparatus for gasolene-tanks, &c. No. 1,253,324; Jan. 15; v. 246; p. 610.
Windrim, Samuel, and D. D. Young, Belfast, Ireland. Device for developing photographic films and the like. No. 1,274,651; Aug. 6; v. 253; p. 89.
Windsor Furniture Company, The. (See Moyer, Horace C., asignor.)
Windsor Manufacturing Company, The. (See Cope, Joseph H., assignor.)
Windt, Rudolph T., St. Louis, Mo. Lock for demountable rims. No. 1,257,296; Feb. 19; v. 247; p. 716.
Wine, Noah L., Fort Myers, Fla., assignor, by mesne assignments, to Buffalo Metal Goods Company, Buffalo, N. Y. Coaster, driving, and braking mechanism. No. 1,278,544; Sept. 10; v. 254; p. 353.
Wine Railway Appliance Company, The. (See Wine, William E., assignor.)
Wine, William E., Toledo, Ohio. Lateral-motion bearing. No. 1,277,802; Sept. 3; v. 254; p. 131.
Wine, William E., Toledo, Ohio. Hand-brake mechanism. No. 1,277,804; Sept. 3; v. 254; p. 132.
Wine, William E., Toledo, Ohio, assignor to The Wine Railway Appliance Company. Hand-brake mechanism. No. 1,277,803; Sept. 3; v. 254; p. 131.
Winegarden, Arey V., assignor of one-half to P. L. Lazarus, Wichita, Kans. Supplemental traction attachment for vehicles. No. 1,252,871; Jan. 8; v. 246; p. 445.
Winegardner, Lloyd C., assignor to Sprout, Waldron & Company, Muncy, Pa. Middlings mill or grinder. No. 1,286,865; Dec. 3; v. 257; p. 161.
Wineman, Charles P., assignor to Detroit Twist Drill Company, Detroit, Mich. Interchangeable counterbore. No. 1,285,869; Nov. 26; v. 256; p. 730.
Winfield Manufacturing Company, The. (See Taylor, Albertis C., assignor.)
Winfield, Richard M. (See Close, Zacheus A., assignor.)
Winfield, Thomas C., Wanstead, England. Means for preventing shocks by the axles of tramway and railway vehicles. No. 1,269,238; June 11; v. 251; p. 348.
Winfield, William N., Detroit, Mich. Letter-head. No. 1,267,034; May 21; v. 250; p. 658.
Winfrey, Herbert O., Austin, Tex. Machine for making tamales. No. 1,271,406; July 2; v. 252; p. 182.
Winfrey, John D. (See Stewart and Winfrey.)
Wing, Harry B., Crested Butte, Colo. Handle attachment. No. 1,265,852; May 14; v. 250; p. 299.
Wing, Russell T., St. Cloud, Minn. Fountain-pen. No. 1,284,525; Nov. 12; v. 256; p. 312.
Winger, Stover C., Los Angeles, Cal. Electric stove. No. 1,263,181; Apr. 16; v. 249; p. 678.
Wingers, Mathias, New Holstein, Wis. Fountain-brush. No. 1,277,805; Sept. 3; v. 254; p. 132.
Wingerson, Joseph, Pittsburgh, Pa. Driving mechanism. No. 1,259,817; Mar. 19; v. 248; p. 607.
Wingert, Benjamin F., Warren, Va. Clothes-line tightener. No. 1,261,666; Apr. 2; v. 249; p. 191.
Winget, Nell F., Minneapolis, Minn. Launderable hat. No. 1,274,652; Aug. 6; v. 253; p. 89.
Wingquist, Sven G., Gottenborg, Sweden, assignor, by mesne assignments, to S. K. F. Ball Bearing Company, Hartford, Conn. Bearing. No. 1,257,774; Feb. 26; v. 247; p. 890.
Wingqvist, Erik H., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Bevel-gear. No. 1,285,870; Nov. 26; v. 256; p. 731.
Wingqvist, Erik H., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Cutting bevel gear-wheels. No. 1,281,735; Oct. 15; v. 255; p. 501.
Wingqvist, Erik H., assignor of one-half to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, and one-half to Brown-Lipe Gear Company, Syracuse, N. Y. Bevel gear-wheel. No. 1,281,734; Oct. 15; v. 255; p. 501.
Winiger, Casper, *et al.* (See Mrakitsch, Anton, assignor.)
Winkle, John R., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Jointed rotary valve. No. 1,259,063; Mar. 12; v. 248; p. 363.
Winkleman, Fred G., Quarry, Wis. Automobile-signal. No. 1,274,130; July 30; v. 252; p. 1062.
Winkler, Adolph A., Great Falls, Mont. Street-indicator for street-cars. No. 1,254,954; Jan. 29; v. 246; p. 1131.
Winkler, Carl, Berne, Switzerland. Device for driving the impression-cylinders of printing-machines. No. 1,252,069; Jan. 1; v. 246; p. 185.
Winkler, Carl, Berne, Switzerland. Machine for casting stereotype-plates. No. 1,258,516; Mar. 5; v. 248; p. 165.
Winkler, Maud M., Schenectady, N. Y. Signal-lamp. No. 1,269,032; June 11; v. 251; p. 290.
Winkler, Max, Ridgewood, N. Y. Safety attachment for satchels and the like. No. 1,256,966; Feb. 19; v. 247; p. 619.
Winkler, Samuel M., New York, N. Y. Floor-covering. No. 1,255,373; Feb. 5; v. 247; p. 75.
Winkley, Erastus E., Lynn, Mass. Bottle-capping machine. No. 1,260,499; Mar. 26; v. 248; p. 839.
Winkley, Erastus E., Lynn, Mass. Bottle-feeding mechanism. No. 1,278,274; Sept. 10; v. 254; p. 282.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Feed mechanism. No. 1,251,852; Jan. 1; v. 246; p. 124.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-holding mechanism. No. 1,258,846; Mar. 12; v. 248; p. 300.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. No. 1,258,847; Mar. 12; v. 248; p. 300.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for sorting shoe-stock. No. 1,270,476; June 25; v. 251; p. 743.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Stock-handling machine. No. 1,280,349; Oct. 1; v. 255; p. 66
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Treating leather or the like. No. 1,284,013; Nov. 5; v. 256; p. 150.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-shaping machine. No. 1,284,847; Nov. 12; v. 256; p. 393.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making heels. No. 1,285,531; Nov. 19; v. 256; p. 604.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making heels. No. 1,285,532; Nov. 19; v. 256; p. 604.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-blank for boots and shoes. No. 1,285,533; Nov. 19; v. 256; p. 605.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making heels. No. 1,285,534; Nov. 19; v. 256; p. 605.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe-heels. No. 1,286,470; Dec. 3; v. 257; p. 71.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sorting-machine. No. 1,286,471; Dec. 3; v. 257; p. 71.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel-building machine. No. 1,286,472; Dec. 3; v. 257; p. 72.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making heels. No. 1,286,473; Dec. 3; v. 257; p. 72.
Winkley, Erastus E., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Stock-cutting machine. No. 1,287,551; Dec. 10; v. 257; p. 371.
Winkley, Frank D., assignor to Madison-Kipp Lubricator Company, Madison, Wis. Lubricator. No. 1,267,302; May 21; v. 250; p. 731.
Winks, John O., San Francisco, Cal. Rotary motor. No. 1,270,909; July 2; v. 252; p. 44.
Winn, Charles A., assignor to Chicago Bearings Company, Chicago, Ill. Roller-bearing retainer and spacer. No. 1,261,199; Apr. 2; v. 249; p. 58.
Winn, Charles A., assignor to Chicago Bearings Company, Chicago, Ill. Race for roller-bearings. No. 1,263,011; Apr. 16; v. 249; p. 628.
Winn, Chester B., Buffalo, N. Y. Artificial foot. No. 1,285,871; Nov. 26; v. 256; p. 731.
Winn, Harry J., River Falls, Wis. Lantern-hook. No. 1,255,071; Jan. 29; v. 246; p. 1163.
Winn, Harry J., River Falls, Wis. Comb-cleaner. No. 1,255,072; Jan. 29; v. 246; p. 1163.

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Winne, Charles H., assignor of nineteen one-hundredths to F. C. Claessens and twenty-five one-hundredths to C. Tifft, Troy, N. Y. Air-operated motor. No. 1,263,983; Apr. 23; v. 249; p. 918.
Winne, John E., assignor of one-half to F. C. Claessens, Troy, N. Y. Snare-drum. No. 1,279,627; Sept. 27; v. 254; p. 701.
Winne, John E., assignor of one-half to F. C. Claessens, Troy, N. Y. Drum. No. 1,284,526; Nov. 12; v. 256; p. 312.
Winne, Roy E., Schenectady, N. Y., assignor to General Electric Company. Perforating glass. No. 1,289,993; Dec. 31; v. 257; p. 1054.
Winneur, Joseph F., Rochester, N. Y. Leather-treating composition. No. 1,258,729; Mar. 12; v. 248; p. 265.
Winning, Morris, Ottawa, Ontario, Canada. Switch. No. 1,267,950; May 28; v. 250; p. 941.
Winning, Morris, Ottawa, Ontario, Canada. Switch. No. 1,267,951; May 28; v. 250; p. 941.
Winscott, Silas, Sturgeon, Mo. Vehicle-wheel rim. No. 1,253,325; Jan. 15; v. 246; p. 610.
Winscott, Silas, Sturgeon, Mo. Honeycomb cushion-tire. No. 1,253,552; Jan. 15; v. 246; p. 677.
Winslow, Clark J., Appleton, Minn. Combination lock-switch. No. 1,257,059; Feb. 19; v. 247; p. 646.
Winslow, Marion H., Terre Haute, Ind. Track-scale. No. 1,268,197; June 4; v. 251; p. 36.
Winslow Safety High-Pressure Boiler Co. (See Winslow, William H., assignor.)
Winslow, Sidney W., Jr., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Turn-sole. No. 1,284,014; Nov. 5; v. 256; p. 150.
Winslow, William H., *et al.* (See Wessell, Clifford R., assignor.)
Winslow, William H., assignor to The Steam Power Devices Company, Chicago, Ill. System of water-level indication for boilers. No. 1,279,485; Sept. 17; v. 254; p. 636.
Winslow, William H., Chicago, Ill., assignor to Winslow Safety High-Pressure Boiler Co. Making boilers. No. 1,281,247; Oct. 8; v. 255; p. 339.
Winslow, William H., assignor to The Steam Power Devices Company, Chicago, Ill. Boiler. No. 1,284,015; Nov. 5; v. 256; p. 151.
Winslow, William H., Chicago, Ill., assignor to Winslow Safety High-Pressure Boiler Co. Boiler. No. 1,289,340; Dec. 31; v. 257; p. 894.
Winsor, John, Corry, Pa. Wire-bending machine. No. 1,273,020; July 16; v. 252; p. 697.
Winsor, Paul, Weston, Mass. Valve. No. 1,265,153; May 7; v. 250; p. 78.
Winston, Charles S., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone system with universal cord-circuit. No. 1,255,374; Feb. 5; v. 247; p. 75.
Winston, Overton, Minneapolis, Minn. Bulb-stenciling device. No. 1,258,289; Mar. 5; v. 248; p. 99.
Winston, Overton, Minneapolis, Minn. Bulb-stenciling device. No. 1,258,290; Mar. 5; v. 248; p. 99.
Winston, Overton, Minneapolis, Minn. Bulb-stenciling device. No. 1,258,291; Mar. 5; v. 248; p. 99.
Winston, Overton, Minneapolis, Minn. Bulb-stenciling device. No. 1,258,292; Mar. 5; v. 248; p. 99.
Winston, Overton, Minneapolis, Minn. Bulb-stenciling device. No. 1,258,293; Mar. 5; v. 248; p. 100.
Winston, Overton, Minneapolis, Minn. Lamp-socket. No. 1,259,186; Mar. 12; v. 248; p. 398.
Winston, Overton, Minneapolis, Minn. Lamp-socket. No. 1,259,575; Mar. 19; v. 248; p. 539.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,259,576; Mar. 19; v. 248; p. 539.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,273,969; July 30; v. 252; p. 1017.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,273,970; July 30; v. 252; p. 1018.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,276,605; Aug. 20; v. 253; p. 689.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,277,518; Sept. 3; v. 254; p. 52.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,279,061; Sept. 17; v. 254; p. 523.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,279,201; Sept. 17; v. 254; p. 559.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,279,202; Sept. 17; v. 254; p. 559.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,279,203; Sept. 17; v. 254; p. 559.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,279,204; Sept. 17; v. 254; p. 560.
Winston, Overton, Minneapolis, Minn. Lamp-socket. No. 1,279,628; Sept. 24; v. 254; p. 701.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,280,926; Oct. 8; v. 255; p. 251.
Winston, Overton, Minneapolis, Minn. Lamp-socket. No. 1,280,927; Oct. 8; v. 255; p. 251.
Winston, Overton, Minneapolis, Minn. Headlight. No. 1,280,928; Oct. 8; v. 255; p. 251.
Winter, Charles, London, England. Apparatus for issuing tickets and registering receipts. No. 1,256,412; Feb. 12; v. 247; p. 421.
Winter, Charles M., Fond du Lac, Wis. Railway grade-crossing. No. 1,279,062; Sept. 17; v. 254; p. 524.
Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Contact-making voltmeter. No. 1,267,156; May 21; v. 250; p. 693.
Winter, George W, Crooksville, Ohio. Glazing-machine. No. 1,258,071; Mar. 5; v. 248; p. 35.
Winter, Henry W., Washington, D. C. Collar-holder. No. 1,281,114; Oct. 8; v. 255; p. 301.
Winter, Henry W., Methuen, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Stamping-machine. No. 1,282,158; Oct. 22; v. 255; p. 657.
Winter, John R., assignor to Kelsey Wheel Company, Detroit, Mich. Forming wheel-hubs. No. 1,257,569; Feb. 26; v. 247; p. 830.
Winter, John R., assignor to Kelsey Wheel Company, Detroit, Mich. Apparatus for forming brake-drums. No. 1,272,751; July 16; v. 252; p. 622.
Winter, Ray H. (See Stainbrook and Winter.)
Winter, Rudolph G., Milwaukee, Wis. Screen-door catch. No. 1,268,657; June 4; v. 251; p. 168.
Winter, William A., East Orange, N. J., assignor to The Kny-Scheerer Corporation. Bandage-winder. No. 1,287,163; Dec. 10; v. 257; p. 276.
Winter, William G., St. Louis, Mo. Phonograph-light. No. 1,261,667; Apr. 2; v. 249; p. 191.
Winterborne, Arthur W., San Antonio, Tex. Mechanical rectifier. No. 1,254,758; Jan. 29; v. 246; p. 1072.
Winterbottom, Agnes M., New Bedford, Mass. Hat-pin guard. No. 1,277,806; Sept. 3; v. 254; p. 132.
Winterhalter, Fredrick T. (See Winterhalter, Fredrick and F. T.)
Winterhalter, Fredrick and F. T., Bayonne, N. J. Paper-roll rack. No. 1,261,668; Apr. 2; v. 249; p. 192.
Winterhoff, Benjamin F., Elkhart, Ind. Apparatus for smoothing and calibrating tapered and curved hollow metal bodies, such as bows for wind instruments. No. 1,253,553; Jan. 15; v. 246; p. 677.
Winterrowd, William H. (See Woodhouse, William E., assignor.)
Winterrowd, William H. (See Woodhouse and Winterrowd.)
Winterrowd, William H., Montreal, Quebec, Canada. Draft-gear carrier for railway-locomotives. No. 1,257,437; Feb. 26; v. 247; p. 789.
Winters, Alexander. (See Leonard and Winters.)
Winters, Alexander F., Grand Rapids, Mich. Latch. No. 1,278,275; Sept. 10; v. 254; p. 282.
Winters, Alexander F., and A. H. Porter, assignors to Winters & Stryker, Grand Rapids, Mich. Safety appliance for punch-presses. No. 1,270,578; June 25; v. 251; p. 772.
Winters, David L., Philadelphia, Pa. Spark-plug tester. No. 1,252,639; Jan. 8; v. 246; p. 381.
Winters, David L., Philadelphia, Pa. Decarbonizer for gas-engines. No. 1,261,467; Apr. 2; v. 249; p. 134.
Winters, David L., Philadelphia, Pa. Gas-engine attachment. No. 1,275,117; Aug. 6; v. 253; p. 219.
Winters, David L., Philadelphia, Pa. Key. No. 1,277,164; Aug. 27; v. 253; p. 876.
Winters, David L., Philadelphia, Pa. Automobile attachment. No. 1,278,410; Sept. 10; v. 254; p. 317.
Winters, David L., Annapolis, Md. Carbureter control. No. 1,286,474; Dec. 3; v. 257; p. 72.
Winters, Edward B., Coffeyville, Kans. Tractor attachment for automobiles. No. 1,274,968; Aug. 6; v. 253; p. 178.
Winters, Irving B., Wyckoff, N. J. Flush-tank. No. 1,277,165; Aug. 27; v. 253; p. 876.
Winters, Marshall G., Everett, Pa. Railway-tie. No. 1,265,572; May 7; v. 250; p. 190.
Winters & Stryker. (See Winters and Porter, assignors.)
Winters, William A. (See Schumacher and Winters.)
Winters, William E., Oneida, N. Y. Journal-bearing. No. 1,288,348; Dec. 17; v. 257; p. 598.
Winters, William P. (See Sosa and Winters.)
Wintersgill, Elmer E., Gulfport, Fla. Suction-dredge shell-screen. No. 1,263,829; Apr. 23; v. 249; p. 874.
Winthrop Corporation. (See Ward, John C., assignor.)
Winton, Alexander, Lakewood, Ohio. Fuel-feeding mechanism. No. 1,267,728; May 28; v. 250; p. 877.
Winton, Alexander, Lakewood, Ohio. Lubricating mechanism for pins. No. 1,280,117; Sept. 24; v. 254; p. 839.
Winton, Alexander, Lakewood, assignor to The Winton Gas Engine & Mfg. Co., Cleveland, Ohio. Fuel-inlet-valve mechanism. No. 1,254,872; Jan. 29; v. 246; p. 1109.
Winton, Alexander, Lakewood, assignor to The Winton Gas Engine & Manufacturing Company, Cleveland, Ohio. Valve structure for internal-combustion motors. No. 1,255,375; Feb. 5; v. 247; p. 76.
Winton, Alexander, Lakewood, assignor to The Winton Gas Engine & Manufacturing Company, Cleveland, Ohio. Mixing and admission valve structure for internal-combustion motors. No. 1,260,500; Mar. 26; v. 248; p. 839.
Winton, Alexander, Lakewood, assignor to The Winton Gas Engine & Manufacturing Company, Cleveland, Ohio. Explosive-engine. No. 1,260,847; Mar. 26; v. 248; p. 939.

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Winton Gas Engine & Manufacturing Company, The. (See Winton, Alexander, assignor.)
Winton, James A., and G. C. Reed, Seaside, Oreg. Lock-nut. No. 1,271,643; July 9; v. 252; p. 283.
Winton, Walter W., Scranton, Pa. Bank-check protector. No. 1,266,368; May 14; v. 250; p. 441.
Wintroath, John A., assignor to Layne & Bowler Corporation, Los Angeles, Cal. Bearing. No. 1,268,906; June 11; v. 251; p. 255.
Wintroath, John A., Los Angeles, Cal., assignor to Layne & Bowler Corporation. Bearing. No. 1,268,907; June 11; v. 251; p. 255.
Winzeler, H. S. (See Vaughan, Thomas M., assignor.)
Wipperman, Louis W., Buffalo, N. Y. Electric switch. No. 1,279,815; Sept. 24; v. 254; p. 755.
Wire Goods Company. (See Green, Irving A., assignor.)
Wire Goods Company. (See Martin, Albert W., assignor.)
Wirebounds Patents Company. (See Brown, Norman E., assignor.)
Wirebounds Patents Company. (See Miller, Julius J., assignor.)
Wirebounds Patents Company. (See Thompson, Osceola C., assignor.)
Wireless Instrument Co. (See Miller, Thomas B., assignor.)
Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
Wirrer, Gottfried, Philadelphia, Pa. Gear-testing machine. No. 1,282,348; Oct. 22; v. 255; p. 708.
Wirsching, August F., Los Angeles, Cal. Shoe. No. 1,289,341; Dec. 31; v. 257; p. 894.
Wirt, Charles, Philadelphia, Pa. Electric heating-pad. No. 1,276,150; Aug. 20; v. 253; p. 562.
Wirt, George A., Greensburg, Ind. Broadcast sower. No. 1,259,187; Mar. 12; v. 248; p. 398.
Wirt, George A., Greensburg, Ind. Broadcast sower. No. 1,274,969; Aug. 6; v. 253; p. 178.
Wirth, John, New York, N. Y. Soap-holder. No. 1,265,409; May 7; v. 250; p. 148.
Wirth, William M., assignor to St. Louis Welding & Manufacturing Company, St. Louis, Mo. Separable demountable rim. No. 1,268,525; June 4; v. 251; p. 130.
Wirth, William M., assignor to St. Louis Welding and Manufacturing Company, St. Louis, Mo. Demountable rim for wheels. No. 1,269,526; June 4; v. 251; p. 130.
Wisch, Walter J., *et al.* (See Butkus and Gay, assignors.)
Wisconsin Chair Company, The. (See Bishop, William A., assignor.)
Wisconsin Electric Company. (See Beach, Chester H., assignor.)
Wisconsin Paper Products Company. (See Janisch, Maximillian P., assignor.)
Wisdom, Thomas G., Admire, Kans. Feeder for threshing-machines. No. 1,269,033; June 11; v. 251; p. 290.
Wise, Abe W., Corinth, Miss. Window-screen. No. 1,277,807; Sept. 3; v. 254; p. 132.
Wise, Anthony G., assignor to F. W. Adsit, Minneapolis, Minn. Soap-dispensing machine. No. 1,260,501; Mar. 26; v. 248; p. 840.
Wise, Clarence E., Washington, D. C. Portable hand-tool for applying binding material to receptacles. No. 1,276,301; Aug. 20; v. 253; p. 603.
Wise, Clarence E., Washington, D. C. Binder-element-tightening mechanism. No. 1,276,302; Aug. 20; v. 253; p. 603.
Wise, Frank A., *et al.* (See Ludwick, Edward C., assignor.)
Wise, Llewellyn, Cincinnati, Ohio. Lamp. No. 1,284,016; Nov. 5; v. 256; p. 151.
Wise, Lovern V., Cleveland, Ohio. Ironing-board. No. 1,276,848; Aug. 27; v. 253; p. 790.
Wise, Otis J., Charleston, W. Va. Tooth-brush. No. 1,288,349; Dec. 17; v. 257; p. 598.
Wise, Paul T., Flushing, J. F. Malcolm, Elmhurst, and C. T. Davis, assignors to Davis & Geck, Brooklyn, N. Y. Production of sutures, ligatures, or the like. No. 1,281,466; Oct. 15; v. 255; p. 431.
Wise, Paul T., Flushing, J. F. Malcolm, Elmhurst, and C. T. Davis, assignors to Davis & Geck, Brooklyn, N. Y. Production of sheets or webs from fibrous materials. No. 1,281,467; Oct. 15; v. 255; p. 431.
Wise, Wilbur M., Manila, Philippine Islands. Track-shifter. No. 1,285,872; Nov. 26; v. 256; p. 731.
Wisely, George D., Blairstown, Mo. Lock. No. 1,261,882; Apr. 9; v. 249; p. 283.
Wiseman, William E., Palacios, Tex. Machine for making lunch-rolls. No. 1,265,853; May 14; v. 250; p. 299.
Wiser, Oba, assignor to Chino Copper Company, Hurley, N. Mex. Concentration of ores. No. 1,288,350; Dec. 17; v. 257; p. 599.
Wisman, Philip H., Salem, Va. Shock-binding means. No. 1,285,535; Nov. 19; v. 256; p. 605.
Wisner, James T., New York, N. Y. Molding apparatus. No. 1,267,488; May 28; v. 250; p. 810.
Wisniewski, John and S., Poughkeepsie, N. Y. Railway-car. No. 1,262,894; Apr. 16; v. 249; p. 595.
Wisniewski, Stanislau. (See Wisniewski, John and S.)
Wisnom, Samuel A., San Mateo, Cal. Water-heating system. No. 1,267,729; May 28; v. 250; p. 877.
Wisnyel, George, and S. Weiss, Akron, Ohio. Fruit-gatherer. No. 1,253,554; Jan. 15; v. 246; p. 678.
Wiswell, Arthur M., Stafford, Kans. Spreading-machine. No. 1,256,190; Feb. 12; v. 247; p. 356.
Wiswell, Arthur M., assignor of one-third to J. R. Bailey and one-third to A. Hall, Wichita, Kans. Grain-sampler. No. 1,256,413; Feb. 12; v. 247; p. 422.
Wiswell, Frederick A., assignor of two-fifths to E. E. Phelan, Oakland, Cal. Tile-clamp. No. 1,257,276; Feb. 19; v. 247; p. 710.
Wite-Kat Soap Company, The. (See Ludekens, Oona, assignor.)
Witham, George S., Jr., assignor of one-half to G. S. Witham, Sr., Hudson Falls, N. Y. Bur for treating grindstones. No. 1,255,494; Feb. 5; v. 247; p. 110.
Witham, George S., Jr., Hoosick Falls, assignor, by mesne assignments, to International Paper Company, New York, N. Y. Method and apparatus for barking logs. No. 1,277,808; Sept. 3; v. 254; p. 132.
Witham, Mark W., Portland, Me. Car-wheel. No. 1,254,557; Jan. 22; v. 246; p. 984.
Witherell, Wilbur F., Argyle, assignor of one-half to F. Hurley, Glens Falls, N. Y. Device for printing brush-backs. No. 1,254,955; Jan. 29; v. 246; p. 1132.
Witherow, William P., Pittsburgh, Pa. Reinforcing-bar. No. 1,255,678; Feb. 5; v. 247; p. 163.
Witherspoon, William C., Bakersfield, Cal. Extensible incandescent lamp. No. 1,276,849; Aug. 27; v. 253; p. 791.
Withington, Henry A., Somerville, Mass. Puzzle. No. 1,282,513; Oct. 22; v. 255; p. 753.
Withrow, Elton, and D. L. Davis, Portland, Oreg. Garment-support. No. 1,261,334; Apr. 2; v. 249; p. 98.
Witmer, John M., Lancaster, Pa. Filter. No. 1,279,063; Sept. 17; v. 254; p. 524.
Witrens, Charles and E., Staunton, Ill. Pocket-book-engaging means. No. 1,280,929; Oct. 8; v. 255; p. 251.
Witsaman, Clement L., Summit county, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Inner tube. No. 1,263,302; Apr. 16; v. 249; p. 709.
Witrens, Elizabeth. (See Witrens, Charles and E.)
Witt, Arthur G., Hamilton, Ontario, Canada. Shock-absorber. No. 1,276,151; Aug. 20; v. 253; p. 562.
Witt, Gustav P. (See Sharenbroich, Henry A., assignor.)
Witt, H. J., *et al.* (See Harris, Richard G., assignor.)
Witt, Henry N., Morristown, Tenn. Truss. No. 1,256,969; Feb. 12; v. 247; p. 288.
Witt, Samuel E. (See Williams and Witt.)
Witte, Willis C., Wollaston, Mass. Device for transferring outlines or drawings in colors. No. 1,289,342; Dec. 31; v. 257; p. 894.
Wittenborn, Edmund A., New Braunfels, Tex. Vegetable-cutter. No. 1,287,552; Dec. 10; v. 257; p. 371.
Witter, John L. (See Darby, Jesse W., assignor.)
Witter, Osborne R., Swampscott, assignor of one-half to A. H. Goetting, Springfield, Mass. Shoe-stiffener blank. No. 1,283,391; Oct. 29; v. 255; p. 1019.
Witthause, John W. (See Golding and Witthause.)
Wittig, Alfred E., Rochester, N. Y. Signal. No. 1,257,661; Feb. 26; v. 247; p. 857.
Wittkowski, Friedrich W., Des Moines, Iowa. Fishing-rod holder. No. 1,256,191; Feb. 12; v. 247; p. 356.
Wittmann, Joseph H., Kansas City, Mo. Suspended cot. No. 1,278,276; Sept. 10; v. 254; p. 283.
Wittmann, Joseph H., Kansas City, Mo. Bed. No. 1,278,277; Sept. 10; v. 254; p. 283.
Wittnebert, Fred J., Jersey City, N. J. Gas-lighter. No. 1,284,527; Nov. 12; v. 256; p. 313.
Wittstein, Herman L., Springfield, Mass. Gage. No. 1,284,017; Nov. 5; v. 256; p. 151.
Wittwer, John J., Sr., Seattle, Wash. Chair. No. 1,256,856; Feb. 19; v. 247; p. 587.
Witzel, Joseph R., Philadelphia, Pa., assignor to Food Sterilization Company. Bacteria destruction by pressure. No. 1,269,562; June 11; v. 251; p. 434.
Witzenmann, Emil, Pforzheim, Germany. Spiral metallic hose. No. 1,270,579; June 25; v. 251; p. 772.
Wixey, Percy J., assignor of one-half to G. W. Heene, Cleveland, Ohio. Machine for making doughnuts, &c. No. 1,265,854; May 14; v. 250; p. 300.
Wm. A. Rogers, Limited. (See Jameson, William A., assignor.)
Wm. H. Nicholls Co. (See Nicholls, William H., assignor.)
Wobbe, Herman, Jr. (See Damm and Wobbe.)
Wochner, William H., Falls City, Nebr. Detachable automobile-body. No. 1,270,086; June 18; v. 251; p. 610.
Woelfel, Alphonso A., Centralia, Wash. Alarm-clock. No. 1,254,956; Jan. 29; v. 246; p. 1132.
Woerner, Otto, East Lansdowne, Pa. Retaining-form. No. 1,278,545; Sept. 10; v. 254; p. 353.
Woernley, Harry F., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Draw-bar attachment. No. 1,265,018; May 7; v. 250; p. 41.
Woernley, Harry F., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic car-coupling. No. 1,286,475; Dec. 3; v. 257; p. 72.
Wofford, William F., Stratford, Tex. Drainage-bottle. No. 1,256,857; Feb. 19; v. 247; p. 587.
Wogenstahl, Leo J., San Antonio, Tex., assignor to Automatic Search Light Company, Phoenix, Ariz. Dirigible headlight. No. 1,256,414; Feb. 12; v. 247; p. 422.

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Wohl, Maurice J., Brooklyn, and M. Mayer, New York, N. Y., assignors to Prizma Incorporated. Colored photography. No. 1,279,065; Sept. 17; v. 254; p. 524.
Wohlgemuth, Bert S., Bellaire, Ohio. Stock-level-testing rod. No. 1,281,468; Oct. 15; v. 255; p. 432.
Wohlrab, Paul B., Racine, Wis. Steering-shaft transmission. No. 1,251,722; Jan. 1; v. 246; p. 83.
Wolach, Joseph, Graceville, Minn. Attachment for fanning-mills. No. 1,256,415; Feb. 12; v. 247; p. 422.
Wolwod, William A., Garner, Iowa. Gate-latch. No. 1,264,244; Apr. 30; v. 249; p. 1023.
Wojtan, Stanley, Muskegon, Mich. Railway-tie and rail-fastener. No. 1,261,883; Apr. 9; v. 249; p. 283.
Wojteck, Stephanie, Knox, Ind. Insole. No. 1,287,810; Dec. 17; v. 257; p. 468.
Wojtkowski, Alex. (See Mischanski, Stephen A., assignor.)
Wolak, Piotr, Shelton, Conn. Stretcher. No. 1,275,514; Aug. 13; v. 253; p. 353.
Wolanin, Joseph F., Detroit, Mich. Direction-indicator for motor-vehicles. No. 1,284,853; Nov. 12; v. 256; p. 395.
Wolawsky, Albert H., Seymour, Conn. Combination cooking-stove and heater. No. 1,277,519; Sept. 3; v. 254; p. 52.
Wolcott, Clifford H. (See Hughes and Wolcott.)
Wolcott, Harvey D., Birmingham, Ala. End-thrust-bearing attachment for the transmission-shafts of Ford automobiles. No. 1,272,165; July 9; v. 252; p. 430.
Wold & Company, Torris. (See Cameron, William, assignor.)
Wold, Ernest, Superior, Wis. Clothes-line prop. No. 1,253,326; Jan. 15; v. 246; p. 610.
Wold, Olaus C., Chicago, Ill. Air-brush. No. 1,272,752; July 16; v. 252; p. 622.
Wolentarsky, Charles G., Cincinnati, Ohio. Combined wheeler and shank-iron. No. 1,259,949; Mar. 19; v. 248; p. 648.
Wolever, Franklin H., assignor to Ideal Roller Company, Chicago, Ill. Printer's roller. No. 1,283,392; Oct. 29; v. 255; p. 1019.
Wolever, Franklin H., assignor to Ideal Roller Co., Chicago, Ill. Printer's roller. No. 1,285,536; Nov. 19; v. 256; p. 605.
Wolf, Albert, Traverse City, Mich. Shaving set. No. 1,257,775; Feb. 26; v. 247; p. 891.
Wolf, Albert, Traverse City, Mich. Sash-lock. No. 1,258,072; Mar. 5; v. 248; p. 35.
Wolf, Augustus, Chambersburg, Pa. Middlings-mill. No. 1,274,829; Aug. 6; p. 253; p. 139.
Wolf, Benjamin W., Boiling Springs, Pa. Ventilator. No. 1,263,830; Apr. 23; v. 249; p. 875.
Wolf, Charles L., Yuma, Colo. Portable elevator. No. 1,263,303; Apr. 16; v. 249; p. 709.
Wolf, Fred W., Chicago, Ill. Thermostatic switch device. No. 1,259,577; Mar. 19; v. 248; p. 540.
Wolf, Fred W., assignor, by mesne assignments, to The Isko Company, Chicago, Ill. Valve. No. 1,285,873; Nov. 26; v. 256; p. 731.
Wolf, George F., Baltimore, Md. Paper holder and cutter. No. 1,270,580; June 25; v. 251; p. 772.
Wolf, George L. (See Upton, Fisher, and Wolf.)
Wolf, Gustav, assignor to Ideal Heat & Draft Regulator Co., Inc., New York, N. Y. Damper-regulator. No. 1,252,980; Jan. 8; v. 246; p. 480.
Wolf, Isaac, London, England. Apparatus for manufacturing, storing, treating, or transporting corrosive liquids or substances. No. 1,285,537; Nov. 19; v. 256; p. 606.
Wolf, John H., Cincinnati, Ohio. Sweeping-broom. No. 1,263,304; Apr. 16; v. 249; p. 709.
Wolf, Joseph B., Melrose, Iowa. Auxiliary supporting device for engine-casings. No. 1,269,890; June 18; v. 251; p. 560.
Wolf, Linus, Chicago, Ill. Producing and separating liquefied gas. No. 1,274,970; Aug. 6; v. 253; p. 179.
Wolf, Linus, assignor to The Thermalene Company, Chicago Heights, Ill. Hydrocarbon gas and producing the same. No. 1,265,573; May 7; v. 250; p. 190.
Wolf, Linus, assignor to The Thermalene Company, Chicago Heights, Ill. Hydrocarbon-gas cartridge. No. 1,265,574; May 7; v. 250; p. 191.
Wolf, Melanie, New York, N. Y. Surgical basin. No. 1,253,555; Jan. 15; v. 246; p. 678.
Wolf, William E., New Philadelphia, Ohio. Extensible-crutch construction. No. 1,262,153; Apr. 9; v. 249; p. 358.
Wolfard, Merl R., Cambridge, assignor of one-fourth to L. A. Ames, Spencer, and one-fourth to E. E. Kent, Newton, Mass. Composition for resisting heat. No. 1,263,831; Apr. 23; v. 249; p. 875.
Wolfe, Abraham H., Montreal, Quebec, Canada. Puttee. No. 1,285,538; Nov. 19; v. 256; p. 606.
Wolfe, Arthur H., Massena, N. Y. Hose-coupling. No. 1,258,073; Mar. 5; v. 248; p. 36.
Wolfe, Charles C., Haydenville, Ohio, assignor to National Fire Proofing Company, Pittsburgh, Pa. Mechanism for surfacing tiles. No. 1,279,957; Sept. 24; v. 254; p. 796.
Wolfe, Clinton M., assignor of one-half to C. O. Ramsey, Coeburn, Va. Spool-holder. No. 1,273,971; July 30; v. 252; p. 1018.
Wolfe, Clinton M., Coeburn, assignor of one-half to A. L. P. Corder, Tacoma, and three-eighths to W. P. Corder, Fort Blackmore, Va. Bracket. No. 1,287,553; Dec. 10; v. 257; p. 371.
Wolfe, George M., Maltby, Wash. Educational card system. No. 1,280,930; Oct. 8; v. 255; p. 251.
Wolfe, Ira T., Seattle, Wash. Automatic vending-machine. No. 1,267,730; May 28; v. 250; p. 877.
Wolfe, Jacob J., assignor to The Peabody School Furniture Company, North Manchester, Ind. Folding chair. No. 1,284,528; Nov. 12; v. 256; p. 313.
Wolfe, James T., Washington, D. C. Foldable top for vehicles. No. 1,259,331; Mar. 12; v. 248; p. 437.
Wolfe, James T., Washington, D. C. Foldable vehicle-top. No. 1,259,332; Mar. 12; v. 248; p. 437.
Wolfe, John W., and J. A. Snow, Shenandoah, Iowa. Piano-hoist. No. 1,267,952; May 28; v. 250; p. 941.
Wolfe, Joseph L., Bridgeport, Conn. Test-indicator. No. 1,256,967; Feb. 19; v. 247; p. 619.
Wolfe, Walter G. (See Bell, Louis, assignor.)
Wolfe, William, and D. Parks, St. Louis, Mo. Machine for cutting pieced lifts and for building heel-blanks therefrom. No. 1,268,908; June 11; v. 251; p. 255.
Wolff, Aaron H., New York, N. Y. Heating apparatus. No. 1,270,910; July 2; v. 252; p. 44.
Wolff, Albert, Jr., San Francisco, Cal. Aeroplane-speed accelerator. No. 1,289,343; Dec. 31; v. 257; p. 894.
Wolff, Arthur, New York, N. Y. Rear clasp for catamenial napkins. No. 1,279,206; Sept. 17; v. 254; p. 560.
Wolff, Arthur F. T., Swissvale, Pa. Gas-burner for hot-blast stoves. No. 1,283,010; Oct. 29; v. 255; p. 919.
Wolff, August, Corona, N. Y. Gaiter. No. 1,265,983; May 14; v. 250; p. 336.
Wolff, Fay M., Louisville, Ky. Wheeled chair. No. 1,259,064; Mar. 12; v. 248; p. 363.
Wolff, Frank W., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,280,350; Oct. 1; v. 255; p. 66.
Wolff, Georg, Hermsdorf, near Berlin, Germany, assignor to General Electric Company. Protective device. No. 1,271,407; July 2; v. 252; p. 183.
Wolff, Hugo. (See Bohn, Bally, and Wolff.)
Wolff, Hugo, and F. Kačer, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dyes and making them. No. 1,266,896; May 21; v. 250; p. 618.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Spring-motor. No. 1,259,188; Mar. 12; v. 248; p. 398.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Locking device for talking-machines. No. 1,259,189; Mar. 12; v. 248; p. 399.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Gearing. No. 1,282,349; Oct. 22; v. 255; p. 709.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Amplifier for talking-machines. No. 1,283,007; Oct. 29; v. 255; p. 918.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Amplifying device for talking-machines. No. 1,289,065; Dec. 24; v. 257; p. 800.
Wolff, Louis. (See Wolff, William W. and L.)
Wolff, Oscar M., Chicago, Ill. Low-temperature cooking device. No. 1,279,205; Sept. 17; v. 254; p. 560.
Wolff, Paul, Pittsburgh, Pa. Window chair or scaffold. No. 1,254,103; Jan. 22; v. 246; p. 854.
Wolff, William W. and L., Sheboygan, Wis. Chair-iron. No. 1,263,502; Apr. 23; v. 249; p. 788.
Wolffsohn, Lionel M., assignor to Bijur Motor Lighting Company, Hoboken, N. J. Ignition apparatus for internal-combustion engines. No. 1,261,884; Apr. 9; v. 249; p. 284.
Wolffsohn, Lionel, Hoboken, N. J., assignor, by mesne assignments, to Bijur Motor Appliance Company. Engine-starting device. No. 1,278,064; Sept. 3; v. 254; p. 199.
Wolffsohn, Lionel, Hoboken, N. J., now by judicial change of name, L. M. Woolson, assignor, by mesne assignments, to Bijur Motor Appliance Company. Ignition apparatus. No. 1,279,816; Sept. 24; v. 254; p. 755.
Wolfington, Arlie A., Quinton, Okla. Rotary engine. No. 1,277,018; Aug. 27; v. 253; p. 835.
Wolfram, Clarence E., Belleplaine, Minn. Internal-combustion engine. No. 1,274,226; July 30; v. 252; p. 1090.
Wolfsberg, Richard, and S. C. Smith, Los Angeles, Cal. Circuit-breaker. No. 1,253,761; Jan. 15; v. 246; p. 737.
Wolhaupter, Benjamin, New Rochelle, N. Y. Reinforced rail-anchor. No. 1,279,817; Sept. 24; v. 254; p. 755.
Wolken, Arthur R., Gilman, Iowa. Fruit-picker. No. 1,265,410; May 7; v. 250; p. 148.
Woll, Frederick P., Philadelphia, Pa. Upholstery material. No. 1,256,088; Feb. 12; v. 247; p. 323.
Wollam, Otis, Stockville, Nebr. Mail-box support. No. 1,277,809; Sept. 3; v. 254; p. 133.
Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Retarder for photographic shutters. No. 1,266,649; May 21; v. 250; p. 551.
Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Film-holder. No. 1,285,539; Nov. 19; v. 256; p. 606.

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Wollensak Optical Company. (See Wollensak, Andrew, assignor.)
Wollenweber, Gay, Winterhaven, Fla. Graphical recorder. No. 1,256,858; Feb. 19; v. 247; p. 587.
Wolmer, John A., E. F. Hanlon, and G. L. Thomson, Indianapolis, Ind. Boiler stay-bolt. No. 1,273,563; July 23; v. 252; p. 868.
Woloszczuk, Mike, Elizabeth, N. J. Mask. No. 1,286,476; Dec. 3; v. 257; p. 73.
Wolski, Constant. (See Ruzycki, Joseph E., assignor.)
Wolter, Carl. (See Hoffmann and Wolter.)
Wolter, Ferdinand R., Minneapolis, Minn. Mop-holder. No. 1,270,353; June 25; v. 251; p. 709.
Wolter, Fred, St. Charles, Minn. Hinge. No. 1,272,594; July 16; v. 252; p. 576.
Wolthausen, Edwin F., Duluth, Minn. Geometric compass. No. 1,263,182; Apr. 16; v. 249; p. 678.
Woltmann, Ernst, New York, N. Y. Operator's outfit for electric welding. No. 1,284,529; Nov. 12; v. 256; p. 313.
Wolverine Spark Plug Company. (See Braselton and Carroll, assignors.)
Wolverine Spark Plug Company. (See Sadgebury, Herman F., assignor.)
Womack, Claude T., Phenix City, Ala., assignor of one-half to H. O. Davidson, Columbus, Ga. Transfer mechanism for replenishing looms. No. 1,258,074; Mar. 5; v. 248; p. 36.
Womble, Charles. (See Jones, Luther P., assignor.)
Wompey, John J., Denver, Colo., assignor to The L. Grauman Company. Lining structure for ice-receptacles. No. 1,276,303; Aug. 20; v. 253; p. 604.
Wondra, Franz, Schenectady, N. Y. Explosion gas-turbine. No. 1,252,369; Jan. 1; v. 246; p. 267.
Wondra, Franz, Schenectady, N. Y. Flying-machine. (Reissue.) No. 14,417; Jan. 1; v. 246; p. 271.
Wood, A J, Greenville, Mich. Grease-gun. No. 1,259,818; Mar. 19; v. 248; p. 608.
Wood, Abraham, Ramsbottom, England. Grenade and like throwing apparatus. No. 1,273,301; July 23; v. 252; p. 797.
Wood, Albert B., *et al.* (See Earl, George G., assignor.)
Wood, Albert B. (See Earl and Brown, assignors.)
Wood, Albert B., New Orleans, La. Screw-pump and the like. No. 1,262,422; Apr. 9; v. 249; p. 433.
Wood, Albert D., Canton, N. C. Set-screw. No. 1,271,408; July 2; v. 252; p. 183.
Wood, Alexander H., Petros, Tenn., assignor to Wood Equipment Company. Dump. No. 1,274,488; Aug. 6; v. 253; p. 42.
Wood, Arch K., assignor to McKee Glass Company, Jeannette, Pa. Liquid-cooler. No. 1,287,164; Dec. 10; v. 257; p. 276.
Wood, Benjamin F., Lenzburg, La. Device for controlling supply of water to boilers. No. 1,272,753; July 16; v. 252; p. 622.
Wood, Charles B., Charleston, W. Va. Plastic composition. No. 1,265,855; May 14; v. 250; p. 300.
Wood, Charles O., Chambersburg, Pa. Friction-clutch. No. 1,282,666; Oct. 22; v. 255; p. 795.
Wood, Charles R., *et al.* (See Sprague, Edward, Jr., assignor.)
Wood, David W., Brazil, Ind. Turret-machine. No. 1,288,351; Dec. 17; v. 257; p. 599.
Wood, Edwin C., Denver, Colo. Electric fuse-lighter. No. 1,258,075; Mar. 5; v. 248; p. 36.
Wood Equipment Company. (See Allen, Andrews, assignor.)
Wood Equipment Company. (See Wood, Alexander H., assignor.)
Wood, Frank, Mount Comfort, Ind. Rotary bearing for internal-combustion engines. No. 1,284,018; Nov. 5; v. 256; p. 151.
Wood, Frank M., Portland, Oreg. Vehicle-signal. No. 1,269,241; June 11; v. 251; p. 349.
Wood, Fred, Taunton, assignor to Draper Corporation, Hopedale, Mass. Warper leasing-indicating means. No. 1,266,369; May 14; v. 250; p. 442.
Wood, Fred J. (See Blake, Almon C., assignor.)
Wood, Frederick P., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Friction-top paper can. No. 1,254,184; Jan. 22; v. 246; p. 878.
Wood, Frederick P., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Container-coating machine. No. 1,274,830; Aug. 6; v. 253; p. 139.
Wood, Garfield A., Detroit, Mich. Gear-pump. No. 1,271,968; July 9; v. 252; p. 372.
Wood, Garfield A., Detroit, Mich. Hoisting and dumping mechanism. No. 1,271,969; July 9; v. 252; p. 373.
Wood, Garfield A., Detroit, Mich. Gear-pump. No. 1,271,970; July 9; v. 252; p. 373.
Wood, Garfield A., Detroit, Mich. Hoisting mechanism for motor-vehicles. No. 1,271,971; July 9; v. 252; p. 374.
Wood, Garfield A., Detroit, Mich. Hoisting and dumping mechanism. No. 1,271,972; July 9; v. 252; p. 374.
Wood, Garfield A., Detroit, Mich. Dumping-truck. No. 1,271,973; July 9; v. 252; p. 375.
Wood, Garfield A., Detroit, Mich. Truck-body-dumping mechanism. No. 1,271,974; July 9; v. 252; p. 375.
Wood, Garfield A., Detroit, Mich. Truck-body-dumping mechanism. No. 1,271,975; July 9; v. 252; p. 376.
Wood, Garfield A., Detroit, Mich. Hydraulic hoisting device. No. 1,271,976; July 9; v. 252; p. 376.
Wood, Garfield A., Detroit, Mich. Hoisting mechanism for motor-vehicles. No. 1,271,977; July 9; v. 252; p. 377.
Wood, Garfield A., Detroit, Mich. Hydraulic hoisting device. No. 1,271,978; July 9; v. 252; p. 377.
Wood, George B., Detroit, Mich. Tire-tube-repairing kit. No. 1,281,469; Oct. 15; v. 255; p. 432.
Wood, George L., Denver, Colo. Railway-tie. No. 1,283,011; Oct. 29; v. 255; p. 919.
Wood, George S., New York, N. Y. Electromagnetic control-switch. No. 1,262,895; Apr. 16; v. 249; p. 595.
Wood, Harry D., Fairmount, Ind. Stationery appliance. No. 1,287,554; Dec. 10; v. 257; p. 371.
Wood, Harry M., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Commutator-cylinder. No. 1,289,344; Dec. 31; v. 257; 895.
Wood, Henry A., Kingston, Ontario, Canada. Valve. No. 1,260,502; Mar. 26; v. 248; p. 840.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype-printing-plate-matrix feed and magazine. No. 1,259,946; Mar. 19; v. 248; p. 647.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pump mechanism for stereotype-printing-plate-casting machines. No. 1,259,947; Mar. 19; v. 248; p. 648.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Finishing mechanism for stereotype-plates. No. 1,259,948; Mar. 19; v. 248; p. 648.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Bundling delivery for folders. No. 1,266,738; May 21; v. 250; p. 575.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple-stereotype-plate-casting machine. No. 1,266,739; May 21; v. 250; p. 576.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Mold for stereotyping and means for supplying metal thereto. No. 1,266,740; May 21; v. 250; p. 576.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Method of delivering folded sheets. No. 1,266,741; May 21; v. 250; p. 577.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for delivering folded sheets. No. 1,266,742; May 21; v. 250; p. 577.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Machine for finishing and cooling stereotype-plates. No. 1,269,239; June 11; v. 251; p. 348.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Machine for cooling stereotype-plates. No. 1,269,240; June 11; v. 251; p. 348.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Paper-guard for folding mechanism. No. 1,271,644; July 9; v. 252; p. 283.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for inking printing-presses. No. 1,275,348; Aug. 13; v. 253; p. 308.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype-plate-finishing machine. No. 1,281,115; Oct. 8; v. 255; p. 301.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Gravity shaving and cooling machine for stereotype-plates. No. 1,281,116; Oct. 8; v. 255; p. 302.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for drying matrices. No. 1,286,477; Dec. 3; v. 257; p. 73.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Finishing device for curved stereotype printing-plates. No. 1,286,478; Dec. 3; v. 257; p. 73.
Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Machine for casting and delivering curved stereotype printing-plates. No. 1,286,479; Dec. 3; v. 257; p. 74.
Wood, Henry A. W., New York, and J. A. Isbell, Middletown, assignors, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Pulsating-fan delivery. No. 1,266,737; May 21; v. 250; p. 575.
Wood, Henry A. W., New York, N. Y., and C. Nordfors, Jersey City Heights, N. J., assignors, by mesne assignments to Wood Newspaper Machinery Corporation, New York, N. Y. Sheet-counting device. No. 1,273,438; July 23; v. 252; p. 834.
Wood, Henry E., Denver, Colo. Recovering metals from ores. No. 1,263,503; Apr. 23; v. 249; p. 788.

Wood, Henry H., Oyster Bay, N. Y. Antislipping device. No. 1,282,350; Oct. 22; v. 255; p. 709.
Wood, Howard L., assignor of one-half to J. B. Davis, Pittsburgh, Pa. Danger-sign. No. 1,258,730; Mar. 12; v. 248; p. 265.
Wood, Jacob W., Allentown, Pa. Sectional pipe-ball. No. 1,288,352; Dec. 17; v. 257; p. 599.
Wood, James A., assignor to Automobile Electric Equipment Company, Philadelphia, Pa. Electric storage battery. No. 1,282,159; Oct. 22; v. 255; p. 657.
Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Electromagnetic switch. No. 1,275,817; Aug. 13; v. 253; p. 437.
Wood, John, *et al.* (See Arbuthnot, George D., assignor.)
Wood, John, and W. Armstrong, Ramsbottom, England. Apparatus for printing magazines and such like work. No. 1,261,885; Apr. 9; v. 249; p. 284.
Wood, Justice W., Highland Park, Mich. Bit-stock. No. 1,260,114; Mar. 19; v. 248; p. 694.
Wood, Lorena M., Spokane, assignor of one-half to J. R. Gumm, Kelso, Wash. Sterilizing liquids. No. 1,278,278; Sept. 10; v. 254; p. 283.
Wood, Marcia L., executrix. (See Bailey, Samuel R.)
Wood, Nathan & Virkus Company. (See Nathan, Paul, assignor.)
Wood Newspaper Machinery Corporation. (See Nordfors, Conrad, assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood Newspaper Machinery Corporation. (See Wood and Isbell, assignors.)
Wood Newspaper Machinery Corporation. (See Wood and Nordfors, assignors.)
Wood, Owen A., Muskogee, Okla., and R. S. Ogilvy, Kansas City, Mo. Indicating and recording weighing mechanism. No. 1,285,540; Nov. 19; v. 256; p. 606.
Wood, R. W. (See Jones, Wesley C., assignor.)
Wood, Richard W., Portland, Oreg. Wind-shield for automobiles. No. 1,267,303; May 21; v. 250; p. 731.
Wood, Robert O., Brookline, assignor to Arthur D. Little, Incorporated, Boston, Mass. Device for testing the tearing strength of paper. No. 1,273,972; July 30; v. 252; p. 1018.
Wood, Victor, assignor of one-half to D. C. Feegles, Fort Worth, Tex. Automatic change-over signal for motion-picture machines. No. 1,275,995; Aug. 13; v. 253; p. 488.
Wood, W. Perry. (See White, John A., assignor.)
Wood, Walter D., New York, N. Y., assignor to Fuel Savings Company, Allentown, Pa. Firing-chamber for powdered fuel. No. 1,266,088; May 14; v. 250; p. 365.
Wood, Walter H., Seattle, Wash. Clothes-lifter. No. 1,253,450; Jan. 15; v. 246; p. 650.
Wood, William A., Dunellen, N. J., and W. S. Rockwell, assignors to W. S. Rockwell Company, New York, N. Y. Annealing-furnace. No. 1,288,353; Dec. 17; v. 257; p. 599.
Wood, William G., Sacramento, Cal. Pneumatic support for vehicles. No. 1,284,530; Nov. 12; v. 256; p. 313.
Wood, William G., San Francisco, assignor of one-half to F. B. McKevitt, Sacramento, Cal. Steam-shovel bucket. No. 1,287,165; Dec. 10; v. 257; p. 277.
Wood, William H., Media, Pa. Railway construction. No. 1,268,528; June 4; v. 251; p. 130.
Wood, William H., Cleveland, Ohio. Lamp. No. 1,284,019; Nov. 5; v. 256; p. 152.
Wood, William M., New Brighton, assignor to R. Hoe and Company, New York, N. Y. Printing-plate and producing and finishing such plates. No. 1,288,354; Dec. 17; v. 257; p. 600.
Wood, William W., Tacoma, Wash. Waterproof glue. No. 1,270,477; June 25; v. 251; p. 744.
Wood, Wilson, *et al.* (See Haga, Mandius B., assignor.)
Woodall, Jesse, Winchester, Ill. Automobile-tire. No. 1,279,207; Sept. 17; v. 254; p. 560.
Woodard, William E., Schenectady, N. Y. Rod-drive for locomotives. No. 1,253,451; Jan. 15; v. 246; p. 650.
Woodard, William E., Schenectady, N. Y. Locomotive driving-box. No. 1,265,856; May 14; v. 250; p. 300.
Woodard, William E., Lima, Ohio. Outside-operated tank-valve. No. 1,282,351; Oct. 22; v. 255; p. 709.
Woodard, William E., Lima, Ohio. Bearing for extending piston-rods. No. 1,288,355; Dec. 17; v. 257; p. 600.
Woodbridge, Joseph L., Philadelphia, Pa. Electrical system of distribution. No. 1,256,628; Feb. 19; v. 247; p. 519.
Woodbridge, Joseph L., Philadelphia, Pa. Suspension for axle-lighting dynamos. No. 1,265,154; May 7; v. 250; p. 78.
Woodbridge, Joseph L., Philadelphia, Pa. Dynamo brush-holder. No. 1,285,874; Nov. 26; v. 256; p. 732.
Woodbury, John E., Worcester, Mass. Counter for intaglio presses. No. 1,255,263; Feb. 5; v. 247; p. 42.
Woodbury, John E., Worcester, Mass. Electroplating device. No. 1,285,875; Nov. 26; v. 256; p. 732.
Wooden, Albert E., assignor to Waterbury Mfg. Co., Waterbury, Conn. Vacuum-bottle. No. 1,282,514; Oct. 22; v. 255; p. 753.
Wooden, Luther W., Stitzer, Wis. Harrow and seeder. No. 1,289,994; Dec. 31; v. 257; p. 1054.
Woodford, Clarence F., Windsor Locks, and O. S. Rockwell, Warehouse Point, assignors to E. Horton & Son Company, Windsor Locks, Conn. Lathe-chuck. No. 1,268,198; June 4; v. 251; p. 36.
Woodford, Clarence F., Windsor Locks, and O. S. Rockwell, Warehouse Point, assignors to E. Horton & Son Company, Windsor Locks, Conn. Chuck. No. 1,269,991; June 18; v. 251; p. 585.
Woodford, Frank E. (See Weber and Woodford.)
Woodhead, Daniel, Evanston, Ill. Lamp-socket. No. 1,265,285; May 7; v. 250; p. 114.
Woodhead, Daniel, Evanston, Ill. Mounting for translating devices. No. 1,269,355; June 11; v. 251; p. 380.
Woodhead, Daniel, Evanston, Ill. Mounting for translating devices. No. 1,269,356; June 11; v. 251; p. 380.
Woodhead, Norman B., assignor of one-half to G. A. Allen, Clay Center, Nebr. Automatic steering-gear lock. No. 1,262,896; Apr. 16; v. 249; p. 595.
Woodhead, Norman B., assignor of one-half to G. A. Allen, Clay Center, Nebr. Friction transmission. No. 1,262,897; Apr. 16; v. 249; p. 595.
Woodhouse, Albert E. (See Husband and Woodhouse.)
Woodhouse, William E., assignor of one-half to W. H. Winterrowd, Montreal, Quebec, Canada. Locomotive-tender. No. 1,286,480; Dec. 3; v. 257; p. 74.
Woodhouse, William E., and W. H. Winterrowd, Montreal, Quebec, Canada. Track-clearing equipment. No. 1,287,555; Dec. 10; v. 257; p. 372.
Woodhouse, William H., Boulder, Colo. Cartridge for shotguns. No. 1,277,810; Sept. 3; v. 254; p. 133.
Woodin, Norman C., Oshkosh, Wis., assignor to F. C. Austin, Chicago, Ill. Street-sweeper-broom support. No. 1,286,481; Dec. 3; v. 257; p. 74.
Woodin, William, New York, N. Y. Wall construction. No. 1,264,468; Apr. 30; v. 249; p. 1086.
Woodings, Emanuel. (See Richardson and Woodings.)
Woodland, Cleveland W., Lind, Wash. Well-drilling trip. No. 1,253,327; Jan. 15; v. 246; p. 611.
Woodland, Silas W., Roxboro, Wash. Plow-hitch shifter. No. 1,281,470; Oct. 15; v. 255; p. 432.
Woodlee, W. G., *et al.* (See Sartain, Louis M., assignor.)
Woodlee, W. H., *et al.* (See Sartain, Louis M., assignor.)
Woodling, Daniel E. (See Brown, Maddux, and Woodling.)
Woodman, George A. (See Carscadin and Woodman.)
Woodman, George A., Chicago, Ill. Yoke for draft-gears. No. 1,279,174; Sept. 17; v. 254; p. 552.
Woodman, Richard N., Chicago, Ill. Automobile rear signal. No. 1,273,973; July 30; v. 252; p. 1018.
Woodman, Richard N., assignor of one twenty-fifth to W. N. Holmes, Chicago, and one-fiftieth to C. Hedler, Park Ridge, Ill. Control switch mechanism. No. 1,277,520; Sept. 3; v. 254; p. 52.
Woodman, William E. (See Crompton and Woodman.)
Woodrow, Harry R. (See Murray and Woodrow.)
Woodrow, Harry R., assignor to T. E. Murray, New York, N. Y. Metal vehicle-wheel. No. 1,269,992; June 18; v. 251; p. 585.
Woodrow, Oliver B., Newton, Iowa. Washing-machine. No. 1,275,515; Aug. 13; v. 253; p. 353.
Woodruff, Allan W., Chicago, Ill. Firearm. No. 1,284,020; Nov. 5; v. 256; p. 152.
Woodruff, James L., Salt Lake City, Utah. Portable folding bed. No. 1,289,345; Dec. 31; v. 257; p. 895.
Woodruff, Leonidas D., Newport, Ky. Interchange coupling device. No. 1,282,715; Oct. 22; v. 255; p. 808.
Woodruff, Wayland E. (See McMullen and Woodruff.)
Woodruff, William W. (See Ritscher, William J. S., assignor.)
Woodrum, Earl, Glencove, Wash. Picking-bag. No. 1,270,354; June 25; v. 251; p. 709.
Woods, Bertha, Platteville, Wis. Jar-steamer. No. 1,256,416; Feb. 12; v. 247; p. 422.
Woods, Charles H., assignor of one-half to M. L. Harry, Decatur, Ill. Fare-collecting apparatus. No. 1,280,351; Oct. 1; v. 255; p. 66.
Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Combined governor and speed-indicator for talking-machines. No. 1,253,328; Jan. 15; v. 246; p. 611.
Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Start and stop mechanism for talking-machines. No. 1,259,699; Mar. 19; v. 248; p. 573.
Woods, Clinton E., and F. C. Hinckley, assignors to American Graphophone Company, Bridgeport, Conn. Start and stop mechanism for talking-machines. No. 1,264,588; Apr. 30; v. 249; p. 1119.
Woods, Edward D., Cleveland, Ohio, assignor of one-third to F. and C. B. Schussler, Bridgeport, Conn, and one-third to W. Heyman, Detroit, Mich. Mending device for chains. No. 1,279,066; Sept. 17; v. 254; p. 525.
Woods, Frank, Paintsville, Ky. Self-starting attachment for automobiles. No. 1,289,031; Dec. 24; v. 257; p. 791.
Woods, Joseph M., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Lock for automobiles. No. 1,270,911; July 2; v. 252; p. 45.

Woods, Lemuel D., Boston, Mass. Wave-power apparatus for compressing air. No. 1,264,737; Apr. 30; v. 249; p. 1159.
Woods, Leonard, St. Louis, Mo. Trousers-supporter. No. 1,272,754; July 16; v. 252; p. 622.
Woods, Mark L., Chattanooga, Tenn. Valve. No. 1,288,356; Dec. 17; v. 257; p. 600.
Woods Motor Vehicle Company. (See De Orlow, Stephen O., assignor.)
Woods Motor Vehicle Company. (See Fend, Roland S., assignor.)
Woods, Robert L., Melbourne, Ark. Mechanical negative-retouching device. No. 1,256,760; Feb. 19; v. 247; p. 557.
Woods, Samuel J., Newport, R. I., and J. Polar, Cleveland, Ohio. Resilient tire. No. 1,268,527; June 4; v. 251; p. 130.
Woods, Thomas B. (See Woods and Bryan.)
Woods, Vincent K., Marble Creek, Idaho. Flume construction and car therefor. No. 1,280,352; Oct. 1; v. 255; p. 67.
Woods, Wildman M., Newton, Iowa. Steering-gear for sleds. No. 1,256,417; Feb. 12; v. 247; p. 423.
Woods, William C. (See Hopkins, James R., assignor.)
Woods, William D. (See Dugger and Woods.)
Woods, William E. and T. B., and Alto Z. Bryan. Peanut-digger. No. 1,263,183; Apr. 16; v. 249; p. 678.
Woods, William J., assignor of three-fourths to F. H. Searls, Berkeley, Cal. Expansion-engine. No. 1,281,736; Oct. 15; v. 255; p. 501.
Woods, Wilson R., and J. F. Langston, Lancaster, Cal. Meat-cutter. No. 1,258,517; Mar. 5; v. 248; p. 165.
Woodside, Fred, and D. Wright, Dillon, Mont. Current-rectifier. No. 1,269,891; June 18; v. 251; p. 560.
Woodson, John M., and J. H. Wilder, Lafollette, Tenn., assignors of two-fifths to said Wilder and three-fifths to said Woodson. Liquid-filter. No. 1,274,227; July 30; v. 252; p. 1090.
Woodson, Robert E., St. Louis, Mo. Nut-cracking machine. No. 1,273,974; July 30; v. 252; p. 1019.
Woodstock Typewriter Company. (See Roebuck, Alvah C., assignor.)
Woodthorpe, Percy, North Finchley, London, England. Motor-vehicle having friction transmission. No. 1,281,471; Oct. 15; v. 255; p. 432.
Woodward, Arthur H., Altadena, Cal., assignor to The International Register Co., Chicago, Ill. Fare-recorder. No. 1,256,859; Feb. 19; v. 247; p. 588.
Woodward, Benjamin F., assignor of one-half to W. E. Bell, Monett, Mo. Wrench. No. 1,285,541; Nov. 19; v. 256; p. 607.
Woodward, Charles H., Bournemouth, England. System of speed control. No. 1,285,876; Nov. 26; v. 256; p. 732.
Woodward, Elmer C., Hatton, Wash. Feed device for harvesting-machines and the like. No. 1,275,639; Aug. 13; v. 253; p. 388.
Woodward, Frederick R. (See Lucas, John E., assignor.)
Woodward, Gideon J., *et al.* (See Haymond, Clinton C., assignor.)
Woodward, Hugh L., Lewis, Iowa. Slicer. No. 1,276,152; Aug. 20; v. 253; p. 562.
Woodward, Irving C., assignor to Holdfast Nut & Bolt Company, Chicago, Ill. Retapping-tool. No. 1,252,525; Jan. 8; v. 246; p. 347.
Woodward, Irving C., assignor to Central West Manufacturing Co., Chicago, Ill. Nut-lock. No. 1,273,439; July 23; v. 252; p. 834.
Woodward, Irving C., Chicago, Ill., assignor to American Postage Meter Co. Postage-meter. No. 1,274,831; Aug. 6; v. 253; p. 139.
Woodward, Joseph T., York Corner, Me. Wheeled toy. No. 1,280,931; Oct. 8; v. 255; p. 252.
Woodward, Russel G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,263,184; Apr. 16; v. 249; p. 679.
Woodward, William R., assignor, by mesne assignments, to Brockton Heel Company, Brockton, Mass. Link mat. (Reissue.) No. 14,452; Mar. 26; v. 248; p. 985.
Woodward, William R., assignor, by mesne assignments, to Brockton Heel Company, Brockton, Mass. Link-mat. (Reissue.) No. 14,476; May 21; v. 250; p. 751.
Woodworth, Charles B., Niagara Falls, N. Y. Antiskid device for vehicle-wheels. No. 1,259,190; Mar. 12; v. 248; p. 399.
Woodworth, Charles P., Chicago, Ill., assignor to The Weber Chimney Company. Concrete-chimney form. No. 1,252,526; Jan. 8; v. 246; p. 347.
Woodworth, Howard P., Bay City, Mich. Drive for motor-vehicles. No. 1,269,034; June 11; v. 251; p. 290.
Woodworth, Olin F. (See Willis and Woodworth.)
Woody, Edward G., Brooklyn, N. Y. Fountain-pen. No. 1,287,556; Dec. 10; v. 257; p. 372.
Woody, Isabel G., Seattle, Wash. Combined steering-wheel and indicator. No. 1,273,440; July 23; v. 252; p. 834.
Woolard, Clarke & Co. (See Wilson, Sinclair A., assignor.)
Woolard, Della, Ontario, Cal. Means for securing covers on ironing-boards. No. 1,262,293; Apr. 9; v. 249; p. 396.
Woolard, Linyear N., Washington, D. C. Amusement or pleasure wheel. No. 1,264,738; Apr. 30; v. 249; p. 1159.
Woolcock, John A. E., Heidelberg, Victoria, Australia. Adjustable device for use in cutting tenons. No. 1,270,912; July 2; v. 252; p. 45.
Woolcott, Carl, and H. M., Harrisburg, Ill. Device for handling non-flowing materials. No. 1,269,668; June 18; v. 251; p. 497.
Woolcott, Harry M. (See Woolcott, Carl, and H. M)
Woolfolk, James H., *et al.* (See Shands, John B., assignor.)
Woolley, Albert H., San Francisco, Cal. Baker's peel. No. 1,268,658; June 4; v. 251; p. 168.
Woolley, Rew E., Schenectady, N. Y., assignor to General Electric Company. Measuring instrument. No. 1,275,818; Aug. 13; v. 253; p. 438.
Woolling, Joseph H. (See Jahna, Emil R., assignor.)
Woollums, William H. (See Gumpper, John K., assignor.)
Woolner, Adolph, Jr., Peoria, Ill. Treating corn. No. 1,258,076; Mar. 5; v. 248; p. 37.
Woolnough, Albert E., Brooklyn, N. Y. Animal toy. No. 1,286,866; Dec. 3; v. 257; p. 161.
Woolsey, Charles A., Minneapolis, Minn. Box. No. 1,269,242; June 11; v. 251; p. 349.
Woolsey, John J., assignor of one-half to G. H. Hurd, Berkeley, Cal. Shock-absorber. No. 1,264,469; Apr. 30; v. 249; p. 1086.
Woolsey, William, Jr., Lynbrook, N. Y. Steering mechanism for baby-carriages. No. 1,258,971; Mar. 12; v. 248; p. 335.
Woolson, Lionel M. (See Wolffsohn, Lionel.)
Woolson, Orosco C., Newark, N. J. Insulating pipe-casing. No. 1,256,629; Feb. 19; v. 247; p. 520.
Woolston, Japhet B., Trenton, N. J. Flag-pole support. No. 1,265,411; May 7; v. 250; p. 148.
Woolwine Metal Products Company. (See Frey, Sigmund, assignor.)
Woolworth, Edward J., Kearney, Nebr. Hay-cutter. No. 1,273,975; July 30; v. 252; p. 1019.
Woonsocket Machine & Press Company. (See Buxton, Fred M., assignor.)
Woonsocket Rubber Company. (See Aldrich, William T., assignor.)
Woonsocket Rubber Company. (See Wagner, Henry C., assignor.)
Wooster, Frank C. (See Maxfield, George E. assignor.)
Wooten, John E., Little Rock, Ark. Can-top. No. 1,281,472; Oct. 15; v. 255; p. 433.
Wooten, Marion F., assignor, by mesne assignments, to American Automatic Soda Fountain Company, Charlotte, N. C. Soda-water-dispensing apparatus. No. 1,288,357; Dec. 17; v. 257; p. 600.
Wootten, William M. (See Barber, Guy M., assignor.)
Worcester Brush and Scraper Company. (See Bemis, Gilbert C., assignor.)
Worcester Brush and Scraper Company. (See Fletcher, Edward F., assignor.)
Worcester, Charles B., Riverside, Cal. Whistle. No. 1,258,077; Mar. 5; v. 248; p. 37.
Worcester Envelope Company. (See Waterhouse, Ezra P., assignor.)
Worcester, James, Waltham, Mass. Propelling apparatus for vessels. No. 1,280,932; Oct. 8; v. 255; p. 252.
Worcester Metal Goods Company. (See Bradshaw, Charles E., assignor.)
Worcester Shock Absorber Co. (See Ball, Harry, assignor.)
Wordingham, George, Milwaukee, Wis. Garment-hanger. No. 1,251,948; Jan. 1; v. 246; p. 149.
Wordingham, George, Milwaukee, Wis. Suit-tray. No. 1,260,115; Mar. 19; v. 248; p. 694.
Wordingham, George, Milwaukee, Wis. Shirt-waist and skirt hanger. No. 1,268,416; June 4; v. 251 p. 99.
Worek, Jan, assignor of one-half to F. Florek, Chicago Heights, Ill. Wire-cutter. No. 1,277,521; Sept. 3; v. 254; p. 52.
Workman, James A., Sr., Portageville, Mo. Resilient wheel. No. 1,261,087; Apr. 2; v. 249; p. 28.
Workman, James M., and T. B. Huffman, Ionia, Kans. Heat-generating medium. No. 1,257,570; Feb. 26; v. 247; p. 830.
Workman, John A. (See Cretsinger and Workman.)
Workman, John L., Loami, Ill. Adjustable stay-strap. No. 1,263,504; Apr. 23; v. 249; p. 788.
Workman, Peyton H., assignor of one-third to C. M. Steele and one-third to H. Sepulveda, Santa Ana, Cal. Signaling means. No. 1,269,035; June 11; v. 251; p. 291.
World Gas Engine Company, The. (See Shepard, Wilbur L., assignor.)
World's Cheapest Power Company of America. (See Watkins, Arthur G., assignor.)
Worley, Ernest T., Port, assignor to H. H. Hoffman & Company, Houston, Tex. Crude-Oil burner. No. 1,273,976; July 30; v. 252; p. 1020.
Worley, Horace B., Lake Arthur, N. Mex. Kafir-corn header. No. 1,260,116; Mar. 19; v. 248; p. 694.
Worral, E. S. (See Straley, John A., assignor.)
Worrest, Ella I., Lincoln, Nebr. Corset-stay. No. 1,284,531; Nov. 12; v. 256; p. 314.

Alphabetical list of patentees—Continued.

Worrick, Elmer O., Daet, Philippine Islands. Fiber-cleaning device. No. 1,274,832; Aug. 6; v. 253; p. 140.
Worsham, James A., Maroa, Ill. Corn grader and separator. No. 1,262,423; Apr. 9; v. 249; p. 433.
Worsley, Otto G., Chicago, Ill. Spring-wheel. No. 1,281,737; Oct. 15; v. 255; p. 502.
Worth, George F., assignor to Canedy-Otto Mfg. Co., Chicago Heights, Ill. Radial drill. No. 1,278,407; Sept. 10; v. 254; p. 316.
Worth, John S., assignor to himself and W. P. Worth, Coatesville, Pa. Car construction. No. 1,273,564; July 23; v. 252; p. 868.
Worth, William P. (See Worth, John S., assignor.)
Wortham, Willis L. (See Freeman and Wortham.)
Worthen, Burt L., San Francisco, Cal. Car wheel and axle. No. 1,284,532; Nov. 12; v. 256; p. 314.
Worthington, Albert P. (See Muhleison, Henry W., assignor.)
Worthington, Albert P., and R. C. Austin, Los Angeles, Cal., said Austin assignor to said Worthington. Crank-case oil-gage. No. 1,266,743; May 21; v. 250; p. 577.
Worthington, B. A., trustee. (See Shadle, Clinton F., assignor.)
Worthington Ball Company. (See Worthington and Reichard, assignors.)
Worthington, George, Lawyers Hill, Md. Apparatus for observing moving pictures. No. 1,261,886; Apr. 9; v. 249; p. 284.
Worthington, George C., Elyria, Ohio. Golf-ball. No. 1,285,878; Nov. 26; v. 256; p. 733.
Worthington, George C., and W. E. Reichard, assignors to Worthington Ball Company, Elyria, Ohio. Golf-ball. No. 1,285,877; Nov. 26; v. 256; p. 732.
Worthington Manufacturing Company. (See Artus, George, assignor.)
Worthington Pump and Machinery Corporation. (See Bernhard, Richard, assignor.)
Worthington Pump and Machinery Corporation. (See Haentjens, Otto, assignor.)
Wortman, George C., Denver, Colo. Dumping push-car. No. 1,274,833; Aug. 6; v. 253; p. 140.
Wortmann, Edward, Jersey City, N. J. Knockdown barrel. No. 1,261,887; Apr. 9; v. 249; p. 285.
Worzalla, John S., Stevens Point, Wis. Swing. No. 1,266,744; May 21; v. 250; p. 577.
Wosinski, John, Detroit, Mich. Ship-protector. No. 1,274,653; Aug. 6; v. 253; p. 90.
Wostal, Oscar. (See Zeratsky and Wostal.)
Wotton, James A., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-transmitting mechanism. No. 1,288,358; Dec. 17; v. 257; p. 601.
Wozny, Mitro, Cleveland, Ohio. Balloon-vehicle. No. 1,259,578; Mar. 19; v. 248; p. 540.
Wrage, Gustave, Lewiston, Minn. Cable-hanger. No. 1,289,995; Dec. 31; v. 257; p. 1054.
Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Faucet. No. 1,267,489; May 28; v. 250; p. 810.
Wray, Lloyd H., Reedsville, Pa. Collapsible rim. No. 1,265,412; May 7; v. 250; p. 148.
Wren, Thomas B., Mahanoy City, Pa. Foot-tread. No. 1,271,979; July 9; v. 252; p. 378.
Wren, William F., Spokane, Wash. Fountain shaving-brush. No. 1,275,516; Aug. 13; v. 253; p. 353.
Wright, Albert C., and J. H. Leary, Jr., Westcliffe, Colo. Gate-latch. No. 1,269,145; June 11; v. 251; p. 321.
Wright, Alpha H., Albany, N. Y., assignor to Frederick Osann Company. Sewing-machine shield. No. 1,288,359; Dec. 17; v. 257; p. 601.
Wright, Asa, Ponca City, Okla. Automatic weighing apparatus. No. 1,283,012; Oct. 29; v. 255; p. 919.
Wright, Bert R. (See Leitch and Wright.)
Wright, Bert R., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal liquid-machine. No. 1,277,676; Sept. 3; v. 254; p. 96.
Wright, Charles J. (See Smith and Wright.)
Wright, Charles W., Topeka, Kans. Terminal coupling for electrical conductors. No. 1,255,264; Feb. 5; v. 247; p. 43.
Wright, Charles W., Topeka, Kans. Annunciator. No. 1,263,012; Apr. 16; v. 249; p. 629.
Wright, Clair G., Kansas City, Mo. Union-garment. No. 1,281,473; Oct. 15; v. 255; p. 433.
Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Wire-rope clamp. No. 1,251,723; Jan. 1; v. 246; p. 84.
Wright, Daniel K., Paterson, N. J., assignor to General Electric Company. Shaping filaments. No. 1,265,575; May 7; v. 250; p. 191.
Wright, Daniel M., Hartford, Conn. Dieing-machine. No. 1,270,913; July 2; v. 252; p. 46.
Wright, David, Minneapolis, Minn. Drinking-fountain bubbler. No. 1,283,008; Oct. 29; v. 255; p. 918.
Wright, David C., Wickliffe-on-the-Lake, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electric-motor system. No. 1,288,787; Dec. 24; v. 257; p. 734.
Wright, Doss. (See Woodside and Wright.)
Wright, Edward H., and E. H. Atwood, Olean, assignors to Vacuum Oil Company, Rochester, N. Y. Fractional condensing heat-exchanger. No. 1,278,279; Sept. 10; v. 254; p. 283.
Wright, Edward H., and E. H. Atwood, Olean, assignors to Vacuum Oil Company, Rochester, N. Y. Fractionating liquids. No. 1,278,280; Sept. 10; v. 254; p. 284.
Wright, Elijah L. (See Mincher and Wright.)
Wright, Elisha B., Newark, Cal. Dust-pan. No. 1,262,294; Apr. 9; v. 249; p. 396.
Wright, Elsie, Condon, Oreg. Grain-pickling machine. No. 1,275,819; Aug. 13; v. 253; p. 438.
Wright, Emmett R., Lexington, Va. Wire-clamp for hay-presses. No. 1,264,470; Apr. 30; v. 249; p. 1086.
Wright, Ernest B., New Rochelle, assignor to Hanlon & Goodman Co., New York, N. Y. Brush-holder. No. 1,277,019; Aug. 27; v. 253; p. 835.
Wright, Frank V., Alameda, Cal. Concurrently maintaining and cultivating levees. No. 1,262,898; Apr. 16; v. 249; p. 596.
Wright, Frederick, assignor, by mesne assignments, to Wright Storage Battery Company, Poughkeepsie, N. Y. Storage battery. No. 1,279,508; Sept. 24; v. 254; p. 666.
Wright, George, Chatham, Ontario, Canada. Land-roller. No. 1,270,087; June 18; v. 251; p. 610.
Wright, George, Newark, N. J. Grab-hook for hoisting mechanism. No. 1,280,933; Oct. 8; v. 255; p. 252.
Wright, George S. (See Twomley and Wright.)
Wright, George W., Lapel, Ind. Liquid-fuel-supplying apparatus. No. 1,275,349; Aug. 13; v. 253; p. 308.
Wright, Gilbert. (See Holst and Wright.)
Wright, Gilbert, Pelham, N. Y. Electromagnetically-operated valve. No. 1,284,021; Nov. 5; v. 256; p. 152.
Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Electric cut-out. No. 1,265,576; May 7; v. 250; p. 191.
Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Electric-lighting apparatus. No. 1,271,980; July 9; v. 252; p. 378.
Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Socket and plug device. No. 1,271,981; July 9; v. 252; p. 378.
Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,289,996; Dec. 31; v. 257; p. 1054.
Wright, Harry S., Jerome, Idaho. Thermometer-case. No. 1,257,060; Feb. 19; v. 247; p. 646.
Wright, Henry C., and F. W. Ross, Elmira, N. Y. Automobile-signal. No. 1,271,645; July 9; v. 252; p. 284.
Wright, Herbert A., and C. W. Kennedy, Clarence, Mo. Direction-indicator. No. 1,267,035; May 21; v. 250; p. 658.
Wright, Jacob P., and C. A. Carlson, Barberton, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Making reinforced paper boxes. No. 1,258,294; Mar. 5; v. 248; p. 100.
Wright, James A., *et al.* (See Short, Byron O., assignor.)
Wright, James G. E. (See Arsem and Wright.)
Wright, James H., Lebanon, Mo. Cabinet. No. 1,284,022; Nov. 5; v. 256; p. 153.
Wright, Jesse A., Seaford, Del. Signaling device. No 1,270,355; June 25; v. 251; p. 709.
Wright, John B., and F. O. Lawson, Greensboro, N. C. Air-brake mechanism. No. 1,287,557; Dec. 10; v. 257; p. 372.
Wright, John E., New York, N. Y. Card-selector. No. 1,287,558; Dec. 10; v. 257; p. 372.
Wright, John L., Chicago, Ill. Game and game apparatus. No. 1,268,659; June 4; v. 251; p. 168.
Wright, John M., Brainard, Nebr., assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Cultivator. No. 1,280,353; Oct. 1; v. 255; p. 67.
Wright, John W., *et al.* (See McCormick, Oscar C., assignor.)
Wright, John W., assignor of one-half to M. L. M. Skelton, Battleford, Saskatchewan, Canada. Apparatus for grading, separating, cleaning, and clipping grain. No. 1,279,067; Sept. 17; v. 254; p. 525.
Wright, Jonathan, and W. H. Marshall, Pleasantville, N. Y. Diffusing water-vapor in the atmosphere of rooms. No. 1,285,879; Nov. 26; v. 256; p. 733.
Wright, Joseph L., Cleveland, Ohio, assignor to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,274,654; Aug. 6; v. 253; p. 90.
Wright, Joseph L., Cleveland, Ohio, assignor, by mesne assignments, to Western Electric Company. Telephone-exchange system. No. 1,284,533; Nov. 12; v. 256; p. 314.
Wright, Kirk K., assignor of one-half to R. G. Wright, Buffalo, N. Y. Washing and sterilizing apparatus. No. 1,265,413; May 7; v. 250; p. 149.
Wright, Melvin T., Boyd, Tex. Peanut-planting attachment. No. 1,269,357; June 11; v. 251; p. 381.
Wright, Memory G., Pinehill, Tex. Car-door seal. No. 1,252,760; Jan. 8; v. 246; p. 416.
Wright, Paul, Birmingham, Ala. Cast-iron-column construction. No. 1,264,245; Apr. 30; v. 249; p. 1024.
Wright, Ralph G. (See Wright, Kirk K., assignor.)

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Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Automatic pressure-roll release for clothes-wringers. No. 1,255,495; Feb. 5; v. 247; p. 110.
Wright, Reuben I., Wickliffe-on-the-Lake, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor-control system. No. 1,274,489; Aug. 6; v. 253; p. 43.
Wright, Richard H. (See Bracy, Edward L., assignor.)
Wright, Rink, assignor of one-half to W. M. King, Omaha, Nebr. Mechanism for automatically operating doors. No. 1,251,724; Jan. 1; v. 246; p. 84.
Wright, Royal J., Springfield, Mass. Corset of the girdle type. No. 1,256,630; Feb. 19; v. 247; p. 520.
Wright, Sheldon T. (See Hurd and Wright.)
Wright, Sidney, Brooklyn, N. Y. Road-scarifier. No. 1,272,755; July 16; v. 252; p. 622.
Wright, Sidney, Brooklyn, N. Y. Road-planer. No. 1,272,756; July 16; v. 252; p. 623.
Wright Storage Battery Company. (See Wright, Frederick, assignor.)
Wright, Thomas B., assignor to The Wright Traffic Signal Company, Chicago, Ill. Automobile direction-indicator. No. 1,263,984; Apr. 23; v. 249; p. 918.
Wright Traffic Signal Company, The. (See Wright, Thomas B., assignor.)
Wright, Wallace R. (See Longan, James M., assignor.)
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. No. 1,251,725; Jan. 1; v. 246; p. 84.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. No. 1,251,726; Jan. 1; v. 246; p. 85.
Wright, Walter, New York, N. Y., assignor, by mesne assignments, to Underwood Computing Machine Company. Computing-machine and attachment to type-writers. No. 1,259,579; Mar. 19; v. 248; p. 540.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,259,700; Mar. 19; v. 248; p. 573.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,259,701; Mar. 19; v. 248; p. 574.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,259,819; Mar. 19; v. 248; p. 609.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. No. 1,260,616; Mar. 26; v. 248; p. 875.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,261,088; Apr. 2; v. 249; p. 28.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. No. 1,261,335; Apr. 2; v. 249; p. 98.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,261,336; Apr. 2; v. 249; p. 98.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. No. 1,261,337; Apr. 2; v. 249; p. 99.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,264,874; Apr. 30; v. 249; p. 1196.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,265,155; May 7; v. 250; p. 78.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,265,577; May 7; v. 250; p. 191.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,266,188; May 14; v. 250; p. 394.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Computing attachment for type-writers. No. 1,269,892; June 18; v. 251; p. 560.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,269,993; June 18; v. 251; p. 585.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,478; June 25; v. 251; p. 744.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,270,479; June 25; v. 251; p. 744.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,253; July 2; v. 252; p. 141.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,271,254; July 2; v. 252; p. 142.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,820; July 9; v. 252; p. 330.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,821; July 9; v. 252; p. 330.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,271,982; July 9; v. 252; p. 379.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,273,302; July 23; v. 252; p. 797.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,274,655; Aug. 6; v. 253; p. 90.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,274,834; Aug. 6; v. 253; p. 140.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,274,971; Aug. 6; v. 253; p. 179.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,281,889; Oct. 15; v. 255; p. 544.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. No. 1,282,515; Oct. 22; v. 255; p. 753.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. No. 1,283,009; Oct. 29; v. 255; p. 918.
Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,287,559; Dec. 10; v. 257; p. 372.
Wright, Ward E., Lake Bluff, assignor, by mesne assignments, to Pfanstiehl Company, Inc., North Chicago, Ill. Sawing apparatus. No. 1,261,669; Apr. 2; v. 249; p. 192.
Wright, Wilbur L., Baltimore, Md., assignor to Seabright Co., Inc., Fulton, N. Y. Paper bottle and the like. No. 1,251,727; Jan. 1; v. 246; p. 85.
Wright, William A. (See Collison and Wright.)
Wright, William A., Cypress Inn, Tenn. Wheel spoke and rim repairer. No. 1,277,282; Aug. 27; v. 253; p. 905.
Wright, William H., Indianapolis, Ind. Making cyanid. No. 1,259,702; Mar. 19; v. 248; p. 574.
Wright, William J., Oakland, Cal. Wrench. No. 1,267,731; May 28; v. 250; p. 878.
Wright, William M., Cork, Ireland, and C. L. Pashley, Balham, England. Flexible connection or control wire for mechanism particularly applicable for use on aircraft. No. 1,279,208; Sept. 17; v. 254; p. 561.
Wright Wire Company. (See Dooley, James P., assignor.)
Wrightson, Thomas G., and J. M. Ringquist, assignors to Head, Wrightson and Company, Limited, Thornaby-on-Tees, England. Hoist. No. 1,263,305; Apr. 16; v. 249; p. 709.
Wrightson, Thomas G., and J. M. Ringquist, assignors to Head, Wrightson and Company, Limited, Thornaby-on-Tees, England. Hoist. No. 1,263,985; Apr. 23; v. 249; p. 918.
Wrightson, Thomas G., and J. M. Ringquist, assignors to Head, Wrightson and Company, Limited, Thornaby-on-Tees, England. Means for manipulating skips or buckets. No. 1,264,739; Apr. 30; v. 249; p. 1159.
Wrightson, Thomas G., and J. M. Ringquist, assignors to Head, Wrightson and Company, Limited, Thornaby-on-Tees, England. Blast-furnace and the like. No. 1,267,732; May 28; v. 250; p. 878.
Wrigley, Herbert. (See Spence and Wrigley.)
Wuebben, Bernard H., assignor to The Recording and Computing Machine Company, Dayton, Ohio. Farebox. No. 1,252,527; Jan. 8; v. 246; p. 347.
Wuebben, Frank B., Dayton, Ohio. Air-torpedo. No. 1,273,303; July 23; v. 252; p. 797.
Wuerdemann, Frederick, New Orleans, La. Bucket. No. 1,278,281; Sept. 10; v. 254; p. 284.
Wulf, Charles A., Indianapolis, Ind. Seat-lifter. No. 1,278,546; Sept. 10; v. 254; p. 354.
Wulf, Herrmann A., Norwich, Conn. Sash-cord fastener. No. 1,257,438; Feb. 26; v. 247; p. 789.
Wulf, John W., assignor of one-third to W. Hepp, San Juan, Porto Rico. Code device. No. 1,271,000; July 2; v. 252; p. 71.

Wulff, Frank D., Chicago, Ill. Apparatus for sifting ashes. No. 1,254,873; Jan. 29; v. 246; p. 1109.
Wundrack, Otto, Maywood, Ill. Non-collapsible flat arch for furnaces. No. 1,266,745; May 21; v. 250; p. 578.
Wupper, Cecilia, *et al.* (See Best, William N., assignor.) (Reissue.)
Wupper, Mabel, Brooklyn, N. Y. Fireproof safe. No. 1,279,209; Sept. 17; v. 254; p. 561.
Wurdack, William, St. Louis, Mo. Metering panel-board and cabinet therefor. No. 1,269,770; June 18; v. 251; p. 526.
Würgler, Jakob. (See Grob and Würgler.)
Wurster, A. L. (See Roper, William, assignor.)
Wurster, George B., Tuckahoe, assignor to W. R. Ostrander & Company, New York, N. Y. Automatic circuit-breaker. No. 1,270,356; June 25; v. 251; p. 709.
Wurts, John W., Elyria, Ohio. Heating system. No. 1,267,490; May 28; v. 250; p. 810.
Wurz, Joseph, Deerfield, N. Y. Table. No. 1,259,580; Mar. 19; v. 248; p. 541.
Wussow, Henry F., Jr., Bonduel, Wis. Rail-joint. No. 1,271,646; July 9; v. 252; p. 284.
Wyant, Guy E., Springfield, Ohio. Cow-shackle. No. 1,266,370; May 14; v. 250; p. 442.
Wyatt, De Witt H., Columbus, assignor to The Wyatt Engineering Company, Uhrichsville, Ohio. Apparatus for forming pipe-joints. No. 1,284,534; Nov. 12; v. 256; p. 314.
Wyatt, Donald J., Fremont, Nebr. Car-door hanger. No. 1,274,490; Aug. 6; v. 253; p. 43.
Wyatt Engineering Company, The. (See Wyatt, De Witt H., assignor.)
Wyatt, Forest R., Minneola, Kans. Wire-stretcher. No. 1,264,246; Apr. 30; v. 249; p. 1024.
Wyatt, Frank B. (See Dodd, David P., assignor.)
Wybaillie, Francis M. A., New York, N. Y., assignor of one-half to A. Peyman, Jersey City, N. J. Incandescent lamp. No. 1,275,820; Aug. 13; v. 253; p. 438.
Wyckoff, Joseph E., assignor to E. H. Jones, trustee, Los Angeles, Cal. Apparatus for gathering vegetable matter from irrigation-canals. No. 1,269,515; June 11; v. 251; p. 422.
Wyeth, Ralph S., Newark, Ohio. Convertible body. No. 1,289,997; Dec. 31; v. 257; p. 1055.
Wygodsky, Leon, New York, N. Y., assignor, by mesne assignments, to Baltimore Oil Engine Company, Baltimore, Md. Starting means for internal-combustion engines. No. 1,253,452; Jan. 15; v. 246; p. 650.
Wygodsky, Leon, New York, N. Y., assignor, by mesne assignments, to Baltimore Oil Engine Company, Baltimore, Md. Internal-combustion engine and process of mixing fuel and air and producing combustion. No. 1,263,986; April 23; v. 249; p. 919.
Wygodsky, Leon, assignor to Baltimore Oil Engine Company, Baltimore, Md. Relief-valve for internal-combustion engines. No. 1,254,104; Jan. 22; v. 246; p. 854.
Wygodsky, Leon, assignor to Baltimore Oil Engine Company, Baltimore, Md. Stuffing-box of crank-shaft bearings and the like. No. 1,264,247; Apr. 30; v. 249; p. 1024.
Wygodsky, Leon, assignor to Baltimore Oil Engine Company, Baltimore, Md. Internal-combustion engine and burning fuel-oil therein. No. 1,265,857; May 14; v. 250; p. 30.
Wyland, John W., Harlan, Kans. Grain-transferring device. No. 1,269,358; June 11; v. 251; p. 381.
Wyler, Bertrand F. (See Harris, Arthur W., assignor.)
Wylie, Oren E., Washington, Kans. Curtain-bracket. No. 1,275,821; Aug. 13; v. 253; p. 439.
Wyman, Arthur P., Monterey, Cal. Lock. No. 1,281,738; Oct. 15; v. 255; p. 502.
Wyman, George R., assignor to C. S. Bird, Walpole, Mass. Machine for cutting shingles. No. 1,263,987; Apr. 23; v. 249; p. 919.
Wyman, George R., and A. E. Currier, assignors to C. S. Bird, Walpole, Mass. Composition for soles for footwear. No. 1,284,023; Nov. 5; v. 256; p. 153.
Wyman, George W., Delmar, Del. Combustion-accelerator for boiler-furnaces. No. 1,271,983; July 9; v. 252; p. 379.
Wyman-Gordon Company. (See Damerell, Mark H., assignor.)
Wyman, Lee E., *et al.* (See Camden, Eustus, assignor.)
Wyman, Thomas B., Munising, Mich. Ballot-box. No. 1,277,811; Sept. 3; v. 254; p. 133.
Wyman, William H. (See Clark and Wyman.)
Wymore, Joseph, Seattle, Wash. Boat. No. 1,284,535; Nov. 12; v. 256; p. 315.
Wymore, William W., Marmarth, N. D. Nut-lock. No. 1,270,357; June 25; v. 251; p. 710.
Wynant, William A., Deertrail, Colo. Bean-harvester. No. 1,275,640; Aug. 13; v. 253; p. 388.
Wynn, Ernest, Laona, Wis. Automobile-body. No. 1,273,977; July 30; v. 252; p. 1020.
Wynne, Albert C., Birmingham, England. Electrical switch. No. 1,262,424; Apr. 9; v. 249; p. 433.
Wynne, Francis E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coil-retaining device. No. 1,271,409; July 2; v. 252; p. 183.
Wynne, Francis E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,289,346; Dec. 31; v. 257; p. 895.
Wynne, John F., Atlanta, Ga. Combined coal-shovel and ash-sieve. No. 1,259,333; Mar. 12; v. 248; p. 438.
Wynne, John F., Atlanta, Ga. Perpetual calendar. No. 1,275,350; Aug. 13; v. 253; p. 309.
Wynyard, Montague H., Onehunga, New Zealand. Scutching-machine. No. 1,281,739; Oct. 15; v. 255; p. 502.
Wytrwal, Stanislaw, Scranton, Pa. Monkey-wrench. No. 1,288,361; Dec. 17; v. 257; p. 601.
Xiques, Frank W., Port Richmond, and E. A. Jarvis, West New Brighton, N. Y. Lamp. No. 1,262,899; Apr. 16; v. 249; p. 596.
Yaeger, Beatrice J., Minneapolis, Minn. Sleeve-protector. No. 1,284,536; Nov. 12; v. 256; p. 315.
Yager, Harvey J., Seattle, Wash. Movable rail-crossing. No. 1,266,371; May 14; v. 250; p. 442.
Yaggy, Luther M., Bowman, N. D. Driving mechanism for tractors. No. 1,273,711; July 23; v. 252; p. 906.
Yale, Fred S. (See Saxton, Thomas G., assignor.)
Yale & Towne Manufacturing Company, The. (See Augenbraun, Peter F., assignor.)
Yale & Towne Manufacturing Company, The. (See Berry, Charles A., assignor.)
Yale & Towne Manufacturing Company, The. (See Crouch, Thomas E., assignor.)
Yale & Towne Manufacturing Company, The. (See Lewis, Rollin C., assignor.)
Yale & Towne Manufacturing Company, The. (See Mikkelsen, Peder, assignor.)
Yale & Towne Manufacturing Company. (See Miller, Charles A., assignor.)
Yamasaki, Homa, Whitefish, Mont. Rail-anchor. No. 1,284,024; Nov. 5; v. 256; p. 153.
Yamashita, Okiye, Tokyo, Japan. Paint-shop installation for railways or the like. No. 1,285,542; Nov. 19; v. 256; p. 607.
Yancey, Hogan, *et al.* (See Hifner, Ernest J., assignor.)
Yandle, Frederick J., Santa Rosa, Cal. Fruit cleaner, dipper, and grader. No. 1,278,547; Sept. 10; v. 254; p. 354.
Yanger, Edward F., Foreman, Ark. Cotton chopper and cultivator. No. 1,258,295; Mar. 5; v. 248; p. 100.
Yanochowski, George A. (See Hershey and Yanochowski.)
Yanochowski, George A., assignor to Automatic Electric Company, Chicago, Ill. Telephone-meter-service system. No. 1,263,013; Apr. 16; v. 249; p. 629.
Yanochowski, George A., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,265,716; May 7; v. 250; p. 229.
Yanochowski, George A., assignor to Automatic Electric Company, Chicago, Ill. Semi-automatic telephone system. No. 1,284,242; Nov. 12; v. 256; p. 239.
Yanochowski, George A., Chicago, Ill., and H. E. Hershey, Whitewater, Kans., assignors to Automatic Electric Company, Chicago, Ill. Telephone system. No. 1,278,282; Sept. 10; v. 254; p. 284.
Yarbrough, John H., Womble, Ark. Baggage-truck. No. 1,257,169; Feb. 19; v. 247; p. 677.
Yarger, William A., Akron, assignor of one-half to H. W. Cowgill, Canton, Ohio. Demountable-rim holder. No. 1,279,629; Sept. 24; v. 254; p. 701.
Yarnall, David R., Philadelphia, Pa. Sight-window for weir-gages. No. 1,260,503; Mar. 26; v. 248; p. 840.
Yarnell, John B., Johnstown, Pa. Switch-frog. No. 1,255,679; Feb. 5; v. 247; p. 164.
Yarnell, John B., Johnstown, Pa. Switch-frog. No. 1,256,680; Feb. 5; v. 247; p. 164.
Yarnell, John B., and F. Mertz, Johnstown, Pa. Hose-coupling. No. 1,285,543; Nov. 19; v. 256; p. 607.
Yarrow, Harold E., Glasgow, Scotland. Funnel of submarine vessels. No. 1,260,848; Mar. 26; v. 248; p. 940.
Yarrow, Harold E., Glasgow, Scotland. Liquid-fuel furnace. No. 1,266,372; May 14; v. 250; p. 443.
Yaryan, William F., and L. H. Chamberlain, Clarinda, Iowa. Snap-flask jacket. No. 1,253,920; Jan. 15; v. 246; p. 781.
Yasensky, Charles J., Weyburn, Saskatchewan, Canada. Combined aeroplane and balloon. No. 1,279,068; Sept. 17; v. 254; p. 526.
Yassukovitch, Michel S., New York, N. Y. Antifreezing hydrant. No. 1,270,677; June 25; v. 251; p. 797.
Yassukovitch, Michel S., New York, N. Y. Adjustable eye-glasses. No. 1,289,998; Dec. 31; v. 257; p. 1055.
Yasulaitis, Simon, Brooklyn, N. Y. Life-boat. No. 1,277,522; Sept. 3; v. 254; p. 53.
Yates, Austin A., Rensselaer, N. Y. Cork-puller. No. 1,285,544; Nov. 19; v. 256; p. 607.
Yates, Charles E., Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Wilmington, Del. Pressure-regulating valve. No. 1,273,304; July 23; v. 252; p. 798.
Yates, Harry, Hapeville, Ga., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,268,062; May 28; v. 250; p. 971.
Yates, Richard L., Dayton, Ohio. Centrifugal pump. No. 1,283,013; Oct. 29; v. 255; p. 920.

Yatter, Sam, Chicago, Ill. Coat. No. 1,269,036; June 11; v. 251; p. 291.
Yaw, Clio B., Arlington, N. J. Portable folding typewriter. No. 1,254,459; Jan. 22; v. 246; p. 955.
Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,251,608; Jan. 1; v. 246; p. 49.
Yawger, William H. (See Cooper and Yawger.)
Yawman & Erbe Mfg. Co. (See Yawman, Philip H., assignor.)
Yawman, Frederick G., Rochester, N. Y. Work-holder for copy-holders. No. 1,261,888; Apr. 9; v. 249; p. 285.
Yawman, Frederick G., Rochester, N. Y. Copy-holder. No. 1,262,728; Apr. 16; v. 249; p. 548.
Yawman, Frederick G., Rochester, N. Y. Copy-holder. No. 1,262,729; Apr. 16; v. 249; p. 549.
Yawman, Philip H., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Lock. No. 1,261,089; Apr. 2; v. 249; p. 28.
Yeakey, Robert L., Cave in Rock, Ill. Violin. No. 1,275,351; Aug. 13; v. 253; p. 309.
Yeamans Company, The. (See Yeamans, Eugene N., assignor.)
Yeamans, Eugene N., Citrusgrove, Tex., assignor to The Yeamans Company. Automatic fountain-valve for locomotives. No. 1,260,739; Mar. 26; v. 248; p. 910.
Yearwood, James R., Lima, Ohio. Unloading device. No. 1,258,078; Mar. 5; v. 248; p. 37.
Yegge, C. Fred, trustee. (See Fowler, Otis M., assignor.)
Yegge, C. Fred, trustee. (See Grumme, Frederick J., assignor.)
Yegge, C. Fred, trustee. (See Hood, Arthur M., assignor.)
Yeider, Harry A., Grand Rapids, Mich. Coffin-holding device for hearses. No. 1,274,835; Aug. 6; v. 253; p. 141.
Yeider, Harry A., Grand Rapids, Mich. Device for starting explosive-engines. No. 1,288,362; Dec. 17; v. 257; p. 601.
Yelton, Charles B. (See Haley and Yelton.)
Yensen, Trygve D., Swissvale, Pa. Magnetic iron product and making same. No. 1,277,523; Sept. 3; v. 254; p. 53.
Yensen, Trygve D., Swissvale, Pa. Magnetic iron product. No. 1,277,524; Sept. 3; v. 254; p. 53.
Yeo, Edward T., and W. A. Wiesman, assignors to Keeler Brass Company, Grand Rapids, Mich. Safety-guard for machines. No. 1,265,019; May 7; v. 250; p. 41.
Yeomans, Lucien I., assignor to Amalgamated Machinery Corporation, Chicago, Ill. Combined machine-tool and crane. No. 1,286,867; Dec. 3; v. 257; p. 161.
Yergason, John S., Brooklyn, N. Y. Package. No. 1,263,185; Apr. 16; v. 249; p. 679.
Yergason, John S., Brooklyn, N. Y. Cuspidor. No. 1,284,537; Nov. 12; v. 256; p. 315.
Yerk, Henry H., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Drop-stake for logging-cars. No. 1,256,860; Feb. 19; v. 247; p. 588.
Yetton, John, and W. E. Brockett, Stratford, London, England. Holder for wire-staple belt-fasteners. No. 1,257,061; Feb. 19; v. 247; p. 647.
Yinger, Robert T., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Printing apparatus. No. 1,285,884; Nov. 26; v. 256; p. 734.
Yingling, Frank B., Hamilton, Ohio. Tube-machine. No. 1,258,731; Mar. 12; v. 248; p. 266.
Yingling, Frank B., Hamilton, Ohio. Tile-press. No. 1,268,909; June 11; v. 251; p. 256.
Yingling, Frank B., assignor to Ceramic Machinery Company, Hamilton, Ohio. Measuring-machine. No. 1,281,740; Oct. 15; v. 255; p. 502.
Yingst, Frank C. (See Straub, Walter B., assignor.)
Yirava, Charles R., and W. J. Hejna, Cleveland, Ohio. Trolley-pole head. No. 1,269,037; June 11; v. 251; p. 291.
Yocom, James, Philadelphia, Pa. Belt-shifter for change-speed mechanism. No. 1,256,418; Feb. 12; v. 247; p. 423.
Yocum, Harry E., Hancock, Md. Lining for preserving vessels. No. 1,265,858; May 14; v. 250; p. 301.
Yoder, Albert H., Wilburton, and E. Hagerty, Centralia, assignors of one-half to E. E. Straub, Wilburton, Pa. Segment for sizing screens. No. 1,279,630; Sept. 24; v. 254; p. 701.
Yoder, Carl M., Cleveland, Ohio. Bending-machine. No. 1,264,248; Apr. 30; v. 249; p. 1024.
Yoder, Carl M., Cleveland, Ohio. Device used in bending metal. No. 1,264,249; Apr. 30; v. 249; p. 1025.
Yoder, Carl M., Cleveland, Ohio. Bending-machine. No. 1,277,525; Sept. 3; v. 254; p. 53.
Yoder, Charles B., Webster Groves, assignor of sixty one-hundredths to I. A. Schulherr, St. Louis, Mo. Belt-tightener. No. 1,286,482; Dec. 3; v. 257; p. 75.
Yoder, John I., Ashland, Pa. Antiskidding device for motor-vehicle wheels. No. 1,257,170; Feb. 19; v. 247; p. 677.
Yoder, Joseph D., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Automatic fluid-proportioning apparatus. No. 1,262,730; Apr. 16; v. 249; p. 549.
Yoder, Levi L., and F. A. Vickery, Portland, Oreg. Automatic fuel-vaporizer. No. 1,273,565; July 23; v. 252; p. 868.
Yoder, Maurice J., Hemet, Cal. Motor-vehicle. No. 1,272,757; July 16; v. 252; p. 623.
Yoggerst, Lawrence G., and W. A. Hutchison, Springfield, Ill. Device for drying salt in shakers or other receptacles. No. 1,252,872; Jan. 8; v. 246; p. 445.
Yokel, Frank, assignor to Pittsburgh Lamp Brass & Glass Company, Pittsburgh, Pa. Inverted incandescent gas-lamp. No. 1,254,105; Jan. 22; v. 246; p. 855.
Yokel, Frank, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Combined lamp and mirror fixture for automobiles. No. 1,276,850; Aug. 27; v. 253; p. 791.
Yokley, Francis J. (See Richter, Frank F., assignor.)
Yolton, Robert E., assignor to Kilby Frog & Switch Company, Birmingham, Ala. Tongue-switch structure. No. 1,269,771; June 18; v. 251; p. 526.
Yolton, Robert E., assignor to Kilby Frog & Switch Company, Birmingham, Ala. Spring head-rod for split switches. No. 1,285,545; Nov. 19; v. 256; p. 608.
York, Timothy S., assignor to L. H. Harriman, trustee, Haverhill, Mass. Demountable wheel-rim. No. 1,268,798; June 4; v. 251; p. 207.
York, Timothy S., assignor to L. H. Harriman, trustee, Haverhill, Mass. Collapsible rim. No. 1,268,799; June 4; v. 251; p. 207.
York, Victor, and W. G. Black, Brea, Cal. Oil-well drive. No. 1,277,166; Aug. 27; v. 253; p. 876.
Yosco, Lawrence, New York, N. Y. Banjo-resonator. No. 1,289,999; Dec. 31; v. 257; p. 1055.
Yoshida, Masazo, Los Angeles, Cal. Syringe. No. 1,279,069; Sept. 17; v. 254; p. 526.
Yoshida, Toshio. (See Miyake and Yoshida.)
Yoshino, Yoshitada, Los Angeles, Cal. Envelop. No. 1,269,669; June 18; v. 251; p. 497.
Yoshizawa, Ginjiro, San Francisco, Cal. Fastener. No. 1,254,382; Jan. 22; v. 246; p. 934.
Yost, Fred W. (See Mariner, Charles A. D., assignor.)
Yost, Frederick W., assignor to American Ore Reclamation Company, New York, N. Y. Preparing finely-divided metal bearing material for sintering. No. 1,263,832; Apr. 23; v. 249; p. 875.
Yost, George W., Edmonds, Wash. Oil-can bracket. No. 1,287,560; Dec. 10; v. 257; p. 373.
Yost, Winfield H., Montreal, Quebec, Canada. Draft-rigging for railway-cars. No. 1,265,414; May 7; v. 250; p. 149.
Yost, Winfield H., Montreal, Quebec, Canada. Car side construction. No. 1,267,834; May 28; v. 250; p. 909.
Yost, Winfield H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. No. 1,251,609; Jan. 1; v. 246; p. 50.
Yosten, Joseph A. (See Wilken and Yosten.)
Young, A. M., *et al.* (See Crockett, Ernest J., assignor.)
Young, August V., Logcabin, Colo. Cherry-picker. No. 1,263,505; Apr. 23; v. 249; p. 788.
Young Brothers Company. (See Young and Reed, assignors.)
Young, Charles B. (See Gilpin, Garth G., assignor.)
Young, Charles D., Altoona, Pa. Exhaust-nozzle-testing device. No. 1,288,363; Dec. 17; v. 257; p. 602.
Young, Charles D., Altoona, Pa. Superheater. No. 1,288,364; Dec. 17; v. 257; p. 602.
Young, Charles D., Columbus, Ohio, assignor, by mesne assignments, to American Steam Gauge & Valve Manufacturing Company, Boston, Mass. Pressure-recorder. No. 1,265,156; May 7; v. 250; p. 79.
Young, Charles F., Philadelphia, Pa. Automobile-transmission-lever extension. No. 1,262,425; Apr. 9; v. 249; p. 434.
Young, Charles H., Jr., Wayne, Pa. Stuffing-box. No. 1,284,538; Nov. 12; v. 256; p. 315.
Young, Charles R., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading-coil case. No. 1,272,166; July 9; v. 252; p. 430.
Young, Charles R., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coil-support. No. 1,288,365; Dec. 17; v. 257; p. 602.
Young, Clifford D., Wayland, N. Y. Package-tie. No. 1,263,506; Apr. 23; v. 249; p. 789.
Young, Clifford H., St. Louis, Mo. Front-wheel driving mechanism for automobiles and similar vehicles. No. 1,259,950; Mar. 19; v. 248; p. 649.
Young, Clifford H., St. Louis, Mo. Driving mechanism for vehicles. No. 1,279,818; Sept. 24; v. 254; p. 756.
Young, Daniel, Brooklyn, assignor of fifty-one one-hundredths to H. E. and A. Mittenthal, New York, N. Y. Apparatus for treating and forming weighted or loaded sheet fabrics. No. 1,266,373; May 14; v. 250; p. 443.
Young, Daniel H., and C. W. Porter; said Porter assignor of one-half of his right to G. Brayton, Manchester, Iowa. Humidifier. No. 1,267,491; May 28; v. 250; p. 811.
Young, David D. (See Windrim and Young.)
Young, Dwayne G., Seattle, Wash. Collapsing tin cans for shipment. No. 1,273,306; July 23; v. 252; p. 798.
Young, Edward W. (See Young, John S. and E. W.)
Young, Edwin M. S., *et al.* (See Richards, John M., assignor.)
Young, Ernest, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lacer. No. 1,283,014; Oct. 29; v. 255; p. 920.

Young, Francis L., New York, N. Y., assignor to The Aeolian Company. Phonograph-cabinet. No. 1,257,439; Feb. 26; v. 247; p. 790.
Young, Francis L., New York, and R. J. Prettie, Jamaica, N. Y., assignors to The Aeolian Company. Disk-record-filing cabinet. No. 1,276,153; Aug. 20; v. 253; p. 563.
Young, Frederick V., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,251,728; Jan. 1; v. 246; p. 85.
Young, George A., and R. B. Reed, assignors to Young Brothers Company, Detroit, Mich. Gas-oven. No. 1,287,561; Dec. 10; v. 257; p. 373.
Young, George H., New London, Wis., assignor to J. Lanier, Manistique, Mich. Filing-cabinet for desks. No. 1,269,243; June 11; v. 251; p. 349.
Young, George L., Cambridge, Mass. Frying apparatus. No. 1,264,740; Apr. 30; v. 249; p. 1159.
Young, George W., *et al.* (See Norman, Frank, assignor.)
Young, George W., *et al.* (See Thompson, George W., assignor.)
Young, Gust, Mora, Minn. Neck-yoke and pole-cap. No. 1,263,507; Apr. 23; v. 249; p. 789.
Young, Harold F., Painesville, Ohio. Dirigible-headlight support. No. 1,284,539; Nov. 12; v. 256; p. 315.
Young, Harry W., Whitehall, Mich. Shaft-hanger. No. 1,287,166; Dec. 10; v. 257; p. 277.
Young, Harry W., Whitehall, Mich. Rudder-post bearing. No. 1,287,167; Dec. 10; v. 257; p. 277.
Young, Harry W., Whitehall, Mich. Hawse-pipe. No. 1,287,168; Dec. 10; v. 257; p. 277.
Young, Harvey, Seattle, Wash. Dispensing vessel. No. 1,280,934; Oct. 8; v. 255; p. 252.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,260,617; Mar. 26; v. 248; p. 875.
Young, Herbert C. (See Haas and Young.)
Young, Howard A., Chicago, Ill. Vacuum-producing system. No. 1,287,169; Dec. 10; v. 257; p. 277.
Young, Hugo H., Loudonville, Ohio. Brace. No. 1,289,347; Dec. 31; v. 257; p. 895.
Young, Irvin L., Chicago, Ill. Envelop-making machine. No. 1,270,581; June 25; v. 251; p. 772.
Young, Jackson B., Oakland, Cal. Machine for making hollow ware from pulp. No. 1,252,761; Jan. 8; v. 246; p. 416.
Young, Jackson B., Oakland, Cal. Machine for making hollow ware from pulp. No. 1,285,546; Nov. 19; v. 256; p. 608.
Young, James E., Minneapolis, Kans. Knockdown crate. No. 1,265,415; May 7; v. 250; p. 149.
Young, John, Chillicothe, Ohio. Press. No. 1,267,492; May 28; v. 250; p. 811.
Young, John C., Pittsburgh, Pa. Handle for automobile-jacks. No. 1,269,359; June 11; v. 251; p. 381.
Yokum, John C., Chicago, Ill. Branding and dehorning squeezers for cattle. No. 1,273,305; July 23; v. 252; p. 798.
Young, John H., Bartlesville, Okla. Shock-absorber. No. 1,254,106; Jan. 22; v. 246; p. 855.
Young, John M., assignor to American Can Company, San Francisco, Cal. Can-soldering apparatus. No. 1,251,729; Jan. 1; v. 246; p. 86.
Young, John S. and E. W., assignors of one-half to J. L. Schecher, Los Angeles, Cal. Folding bed. No. 1,273,978; July 30; v. 252; p. 1020.
Young, John W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Sealing ends of rubber hose. No. 1,282,160; Oct. 22; v. 255; p. 658.
Young, Leonard A. (See Brandt and Mahoney, assignors.)
Young, Leonard A. (See Fetcher, Martin B., assignor.)
Young, Leonard A., Highland Park, Mich. Spring construction. No. 1,264,250; Apr. 30; v. 249; p. 1025.
Young, Lewis G., New York, N. Y. Aeroplane. No. 1,266,746; May 21; v. 250; p. 578.
Young, Lewis T., Marion, Ohio. Direction-indicator for automobiles. No. 1,265,859; May 14; v. 250; p. 301.
Young, Lloyd W., Cleveland, Ohio. Mailing-folder. No. 1,287,562; Dec. 10; v. 257; p. 373.
Young, Lou C., Oswego, Ill. Silo. No. 1,256,089; Feb. 12; v. 247; p. 323.
Young, Luther A., St. Louis, Mo. Dental disk and holder. No. 1,277,020; Aug. 27; v. 253; p. 835.
Young, Matthew G., Geneva, Ohio. Rechargeable dry cell. No. 1,272,167; July 9; v. 252; p. 430.
Young, Nelson, Kis-Lyn, Pa. Stable-fixture. No. 1,262,731; Apr. 16; v. 249; p. 549.
Young, Otis W., assignor to Pyle-National Company, Chicago, Ill. Engine reversing-gear. No. 1,269,893; June 18; v. 251; p. 561.
Young, Peter M., Chicago, Ill. Swivel and ring. No. 1,271,647; July 9; v. 252; p. 284.
Young, Philip E., Fairhaven, Mass. Focusing device. No. 1,252,762; Jan. 8; v. 246; p. 416.
Young, Philip E., Fairhaven, Mass. Gravitometer. No. 1,257,662; Feb. 26; v. 247; p. 857.
Young, Philip E., Fairhaven, Mass., assignor to Acushnet Process Company of New York, Inc. Washmill. No. 1,267,493; May 28; v. 250; p. 812.
Young, Porus J., Santa Susana, Cal. Rubber-retainer. No. 1,277,021; Aug. 27; v. 253; p. 835.
Young, Porus J., Santa Susana, assignor of one-half to S. W. McMichael, Fullerton, Cal. Swimming appliance. No. 1,277,022; Aug. 27; v. 253; p. 836.
Young, Preston M., Utica, N. Y. Universal joint. No. 1,272,758; July 16; v. 252; p. 623.
Young, Robert G., Bream, England. Signaling apparatus. No. 1,273,979; July 30; v. 252; p. 1020.
Young, Roy W., assignor of one-half to G. B. Smith, Gallup, N. Mex. Lubricator-filler. No. 1,260,117; Mar. 19; v. 248; p. 695.
Young, Stewart W., Palo Alto, Cal., assignor to The Thiogen Company, Wilmington, Del. Treating sulfurous fumes. No. 1,262,295; Apr. 9; v. 249; p. 396.
Young, Thomas C., Glendale, Cal. Electrothermal hydro-ether cone. No. 1,268,529; June 4; v. 251; p. 131.
Young, Troy W., Hamilton, Tex. Boll-weevil destroyer. No. 1,268,660; June 4; v. 251; p. 168.
Young & Tyler. (See Tyler, Alva W., assignor.)
Young, Walter F., Merrill, Wis. Violin. No. 1,289,590; Dec. 31; v. 257; p. 955.
Young, Walter L., Harper, Cal. Expansive drilling-bit. No. 1,256,968; Feb. 19; v. 247; p. 620.
Young, Wilfred. (See Coneeny and Young.)
Young, William A., New York, N. Y. Gromet. No. 1,256,419; Feb. 12; v. 247; p. 423.
Young, William A., assignor to William A. Young Gasket Corporation, New York, N. Y. Packing. No. 1,261,670; Apr. 2; v. 249; p. 192.
Young, William C., Battle Creek, Mich. Mechanical movement or driving-gearing. No. 1,259,703; Mar. 19; v. 248; p. 575.
Young, William J., Minetto, N. Y. Safety-valve for pneumatic tires. No. 1,258,079; Mar. 5; v. 248; p. 38.
Young, William M. (See Jourdan and Young.)
Young, Willis G., Chicago, Ill. Box. No. 1,280,935; Oct. 8; v. 255; p. 253.
Youngblood, David F., San Antonio, Tex. Locking and operating system for jail-doors. No. 1,269,244; June 11; v. 251; p. 350.
Younger, George W., London, England. Small-arm. No. 1,285,885; Nov. 26; v. 256; p. 734.
Younglove, Herbert F. (See Meade and Younglove.)
Youngren, Oscar A., New York, N. Y. Net and cable cutting attachment for submarine boats. No. 1,272,168; July 9; v. 252; p. 431.
Youngs, Agnes O., Bozeman, Mont. Extension fly-swatter. No. 1,263,988; Apr. 23; v. 249; p. 919.
Youngs, Fred E., Detroit, Mich. Pipe-bending tool. No. 1,251,610; Jan. 1; v. 246; p. 50.
Youngstown Sheet & Tube Company, The. (See Elliott and McCleary, assignors.)
Youngstown Sheet & Tube Company, The. (See Farmer, Edward E., assignor.)
Youngstown Sheet & Tube Company, The. (See Neckerman, William M., assignor.)
Younie, Lewis E., Portland, Oreg. Friction-clutch. No. 1,266,189; May 14; v. 250; p. 395.
Younie, Lewis E., and P. A. Wickes, Portland, Oreg. Valve. No. 1,251,730; Jan. 1; v. 246; p. 86.
Younkman, George W., Brooklyn, N. Y. Conveyer. No. 1,287,170; Dec. 10; v. 257; p. 278.
Yttrup, John F. C., Pittsburgh, Pa. Hand-grenade. No. 1,272,759; July 16; v. 252; p. 624.
Yukanis, Paul, Chicago, Ill. Lock. No. 1,284,540; Nov. 12; v. 256; p. 316.
Yung, Franz, New York, N. Y. Combined cane, gun, fishing-rod, and umbrella. No. 1,283,015; Oct. 29; v. 255; p. 920.
Yurow, Andrew, New York, N. Y. Collar-button. No. 1,285,886; Nov. 26; v. 256; p. 734.
Yusi Fibre Company. (See Brown, Alfred G., assignor.)
Zaar, Ludwig W., Chicago, Ill. Turbine. No. 1,288,360; Dec. 17; v. 257; p. 601.
Zabawa, Andrzej, Shawingan Falls, Quebec, Canada. Automobile and street-car fender. No. 1,285,880; Nov. 26; v. 256; p. 733.
Zabawa, Michael J., Grand Rapids, Wis. Motor-actuated shovel. No. 1,271,648; July 9; v. 252; p. 285.
Zabielski, Alexsander, Watervliet, N. Y. Kaleidoscope. No. 1,274,656; Aug. 6; v. 253; p. 91.
Zabriskie, Charles C., Detroit, Mich. Hose-supporter. No. 1,254,759; Jan. 29; v. 246; p. 1073.
Zabriskie, Edgar, *et al.* (See Rosentreter, Albert J., assignor.)
Zabriskie, Henry L., Westfield, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Oscillating motor. No. 1,253,199; Jan. 8; v. 246; p. 544.
Zabriskie, Henry L., Westfield, and G. C. Marx, assignors to Diehl Manufacturing Company, Elizabeth, N. J. Commutator and commutator-bar. No. 1,271,984; July 9; v. 252; p. 379.
Zabriskie, Walter, Pagosa Junction, Colo. Rotary engine. No. 1,267,157; May 21; v. 250; p. 693.
Zachara, Ladislaus, Sandpoint, Idaho. Electric spectacle lamp and frame. No. 1,255,265; Feb. 5; v. 247; p. 43.
Zacharias, Walther, Pittsburgh, Pa. Chlorin detinning process. No. 1,283,016; Oct. 29; v. 255; p. 921.
Zachert, Victor, San Francisco, Cal. Foam reduction. No. 1,261,671; Apr. 2; v. 249; p. 193.
Zachow, William, assignor to J. I. Case Threshing Machine Company, Racine, Wis. Baling-press. No. 1,258,848; Mar. 12; v. 248; p. 301.

Zagora, Joseph, Racine, Wis. Foot-rest attachment for radiators. No. 1,263,724; Apr. 23; v. 249; p. 845.
Zagora, Joseph, Racine, Wis. Fluid-circulation indicator and distributer. No. 1,274,228; July 30; v. 252; p. 1090.
Zahm, Albert F., Buffalo, N. Y. Calculator. No. 1,290,000; Dec. 31; v. 257; p. 1055.
Zahm, Edward, Buffalo, N. Y. Liquid-dispensing apparatus. No. 1,273,021; July 16; v. 252; p. 697.
Zahn, Jonathan A. (See Potts, Elijah W., assignor.)
Zahn, Robert, deceased, Plauen, Germany; A. Rietzsch, administrator. Automatic embroidering-machine. No. 1,266,747; May 21; v. 250; p. 579.
Zahner, Edward J., Canton, Ohio. Sheet-metal house. No. 1,253,763; Jan. 15; v. 246; p. 738.
Zahner, Edward J., Canton, Ohio. Sheet-metal house. No. 1,253,764; Jan. 15; v. 246; p. 738.
Zabrajian, Ghoogas, Syracuse, N. Y. Pressure-gage. No. 1,271,410; July 2; v. 252; p. 183.
Zaikowsky, Wladimir, Petrograd, Russia. Shrapnel-shell. No. 1,290,001; Dec. 31; v. 257; p. 1056.
Zajac, Marcin, Chicopee, Mass. Torpedo-guard. No. 1,268,661; June 4; v. 251; p. 168.
Zalanka, Frank, Hartford, Conn. Shock-absorber. No. 1,270,582; June 25; v. 251; p. 773.
Zaleski, Frank, Somerville, assignor to The Reece Button Hole Machine Company, Boston, Mass. Clutch. No. 1,251,611; Jan. 1; v. 246; p. 50.
Zaleski, Frank, Somerville, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,255,970; Feb. 12; v. 247; p. 288.
Zaleski, Frank, Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Means for making composite insoles. No. 1,258,173; Mar. 5; v. 248; p. 65.
Zaleski, Frank, Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Folding sheet material. No. 1,265,578; May 7; v. 250; p. 192.
Zaleski, Frank, assignor to Reece Shoe Machinery Company, Boston, Mass. Machine for making composite insoles. No. 1,265,579; May 7; v. 250; p. 192.
Zaleski, Frank, Cambridge, and A. R. Schoenky, Somerville, assignors to Reece Shoe Machinery Company, Boston, Mass. Machine for stitching shoe-uppers to sole-lips. No. 1,288,366; Dec. 17; v. 257; p. 602.
Zalewski, Cora T., Waterloo, Ontario, Canada, assignor to The Williams, Greene & Rome Company, Limited, Kitchener, Canada. Reversible cuff. No. 1,288,367; Dec. 17; v. 257; p. 603.
Zaliewski, Jan, Pittsburgh, Pa. Railway-tie construction. No. 1,283,611; Nov. 5; v. 256; p. 45.
Zalondek, Antone A., Capitol Hill, Okla. Spark-plug. No. 1,284,848; Nov. 12; v. 256; p. 393.
Zam, Nicholas, Cleveland, Ohio. Gas-range-lighting appliance. No. 1,271,822; July 9; v. 252; p. 331.
Zanaletti, Joseph, St. Clair Heights, Mich. Gasolene aviation rotary motor. No. 1,288,368; Dec. 17; v. 257; p. 603.
Zanger, Charley H., Norwood, Ohio. Combined lock and hasp. No. 1,286,868; Dec. 3; v. 257; p. 162.
Zanone, Richard J., New Albany, Ind. Automatic scales. No. 1,269,360; June 11; v. 251; p. 381.
Zanvettor, Augusto, West Hoboken, N. J. Machine for making magnesia in granular form. No. 1,251,612; Jan. 1; v. 246; p. 51.
Zappile, Paolo, New York, N. Y. Cornice-mold. No. 1,265,860; May 14; v. 250; p. 302.
Zarafonetis, James. (See Clarke, Justin A., assignor.)
Zaremba, Frank, Maywood, assignor of one-half to P. Laskawy, Chicago, Ill. Foldable bed. No. 1,270,358; June 25; v. 251; p. 710.
Zarling, William, assignor of one-half to A. A. Plautz, Milwaukee, Wis. Foldable game. No. 1,270,359; June 25; v. 251; p. 710.
Zatzke, Daniel, Muskegon, Mich. Mold. No. 1,282,161; Oct. 22; v. 255; p. 658.
Zaun, George F., San Bernardino, Cal. Collapsible typewriter stand. No. 1,285,881; Nov. 26; v. 256; p. 733.
Zavarkin, Maxim, East Brimfield, Mass. Railway-clamp. No. 1,264,251; Apr. 30; v. 249; p. 1025.
Zavarkin, Maxim, East Brimfield, Mass. Aluminum shoe. No. 1,268,199; June 4; v. 251; p. 37.
Zavarkin, Maxim, East Brimfield, Mass. Concrete tie. No. 1,269,894; June 18; v. 251; p. 561.
Zavarkin, Maxim, East Brimfield, Mass. Balloon. No. 1,270,678; June 25; v. 251; p. 798.
Zavarkin, Maxim, East Brimfield, Mass. Refrigerator. No. 1,283,017; Oct. 29; v. 255; p. 921.
Zawadzki, Alfred A., Brainerd, Minn. Tobacco and match box. No. 1,284,541; Nov. 12; v. 256; p. 316.
Zawadzky, Herman W., Waterbury, Conn. Metallic supporting-shelf and method of manufacture. No. 1,255,266; Feb. 5; v. 247; p. 43.
Zawistowski, Martin, and N. Komow, Brooklyn, assignors to United States Cloth Cutting Machine Co., Inc., New York, N. Y. Straight-knife cloth-cutting machine. No. 1,277,812; Sept. 3; v. 254; p. 133.
Zawistowski, Martin, and N. Komow, Brooklyn, assignors to United States Cloth Cutting Machine Company, New York, N. Y. Presser-foot mechanism. No. 1,287,563; Dec. 10; v. 257; p. 373.
Zech, Dorothy, Lawrenceburg, Ind. Garment-templet. No. 1,260,849; Mar. 26; v. 248; p. 940.
Zeckendorf, Hugo A., Oakland, Cal. Tool-lock. No. 1,259,704; Mar. 19; v. 248; p. 575.
Zeckser, Charles W., Buffalo, N. Y. Grip. No. 1,263,508; Apr. 23; v. 249; p. 789.
Zeek, Clyde, San Diego, Cal. Armature-circuit-testing apparatus. No. 1,276,304; Aug. 20; v. 253; p. 604.
Zeen, John. (See Zeen, Martinus, assignor.)
Zeen, Martinus, assignor of one-half to J. Zeen, Grand Rapids, Mich. Device for raising and lowering water-closet seats and lids. No. 1,276,472; Aug. 20; v. 253; p. 652.
Zehden, Alfred, Berlin, Germany. Electrical burglar-alarm. No. 1,257,440; Feb. 26; v. 247; p. 790.
Zeigler, Perry D., Olean, N. Y. Hand-covering. No. 1,271,110; July 2; v. 252; p. 101.
Zeigler, William G., Chicago, Ill. Internal-combustion engine. No. 1,263,989; Apr. 23; v. 249; p. 919.
Zeigler, William G., Chicago, Ill. Connecting-rod. No. 1,273,712; July 23; v. 252; p. 907.
Zeiss, Firm of Carl. (See Eppenstein, Otto, assignor.)
Zeitler, August A., Oakland, Cal. Metal lining. No. 1,254,558; Jan. 22; v. 246; p. 985.
Zeitler, William F., Washington, D. C. Tire-protector. No. 1,262,154; Apr. 9; v. 249; p. 358.
Zelber, John F., and L. W. Sweetman, New York, N. Y. Window-cleaner. No. 1,251,853; Jan. 1; v. 246; p. 125.
Zeling, Henry J., Milwaukee, Wis. Direction-indicator. No. 1,279,210; Sept. 17; v. 254; p. 561.
Zell, Frank D., Jr., Philadelphia, Pa. Controlling device for accelerators. No. 1,274,491; Aug. 6; v. 253; p. 43.
Zelle Tractor Company. (See Zelle, William C., assignor.)
Zelle, William C., St. Louis, Mo., assignor, by mesne assignments, to Zelle Tractor Company, Wilmington, Del. Control for motor-vehicles. No. 1,268,910; June 11; v. 251; p. 256.
Zeller, William L., Springbay, Ill. Wrench. No. 1,287,564; Dec. 10; v. 257; p. 374.
Zeltner, William H., New York, N. Y. Sorting device. No. 1,278,548; Sept. 10; v. 254; p. 354.
Zeman, Joseph F., assignor of one-half to J. E. Simmons, Charlotte, N. C. Nut and bolt lock. No. 1,278,549; Sept. 10; v. 254; p. 354.
Zendt, Frederic H., Spokane, Wash. Knockdown cot. No. 1,263,509; Apr. 23; v. 249; p. 789.
Zenite Metal Company. (See Vanderslice, George H., assignor.)
Zenith Systems Corporation. (See Rand, James H., Jr., assignor.)
Zenitherm Company. (See Sutter, Roser B., assignor.)
Zenk, Charles C., Wilkinsburg, Pa., assignor to Diehl Manufacturing Company, Elizabeth, N. J. Commutator. No. 1,255,681; Feb. 5; v. 247; p. 164.
Zenker, Frederick. (See Horton and Zenker.)
Zenker, Fredrick, Highland Park, assignor to Detroit Fuse & Manufacturing Company, Detroit, Mich. Connector. No. 1,274,492; Aug. 6; v. 253; p. 44.
Zenorini, Andrew C., West Hoboken, N. J. Thread-controlling mechanism for embroidery-machines. No. 1,288,369; Dec. 17; v. 257; p. 603.
Zent, Walter W. (See Bullivant, Cisco, assignor.)
Zeratsky, August W., and O. Wostal, La Crosse, Wis. Teat-cup. No. 1,269,361; June 11; v. 251; p. 382.
Zerban, Frederick W., New Orleans, La., assignor, by mesne assignments, to the Government of the United States and to the People Thereof. Manufacturing decolorizing carbon No. 1,290,002; Dec. 31; v. 257; p. 1056.
Zerbe, George, Tiosa, Ind. Envelop. No. 1,272,169; July 9; v. 252; p. 431.
Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Self-lubricating spring-bolt. No. 1,255,267; Feb. 5; v. 247; p. 43.
Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,265,861; May 14; v. 250; p. 302.
Zerk, Oscar, Cleveland, and G. W. Drake, South Euclid, Ohio, assignors, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Thread-milling machine. No. 1,252,763; Jan. 8; v. 246; p. 417.
Zern, Edward N. (See Bierer and Zern.)
Zesbaugh, Lawrence G., Minneapolis, Minn. Chain tractor-tread. No. 1,261,989; Apr. 9; v. 249; p. 313.
Zeymer, Luiz P., Rio de Janeiro, Brazil. Safety device for guns. No. 1,256,631; Feb. 19; v. 247; p. 521.
Zibell, Julius A., Tappan, N. Y. Fire-resistant composition and making same. No. 1,273,307; July 23; v. 252; p. 798.
Ziccardi, Lucia G., *et al.* (See Norman, Ludwig, assignor.)
Ziccardi, Maria, *et al.* (See Norman, Ludwig, assignor.)
Ziegler, Agda E. (See Groat, Luther E., assignor.)
Ziegler, Alfred A., trustee. (See Hagman, Edwin V., assignor.)
Ziegler, Alfred A., Boston, Mass. Electromagnetic circuit-controller. No. 1,271,255; July 2; v. 252; p. 142.
Ziegler, Alfred A., assignor to United Electric Apparatus Co., Boston, Mass. Relay. No. 1,257,663; Feb. 26; v. 247; p. 857.

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Ziegler, Alfred A., assignor to United Electric Apparatus Company, Boston, Mass. Electromagnet. No. 1,268,200; June 4; v. 251; p. 37.
Ziegler, Alfred M., Boston, Mass. Suspenders. No. 1,284,542; Nov. 12; v. 256; p. 316.
Ziegler, Ellen, Gregory, S. D. Back-rest. No. 1,266,374; May 14; v. 250; p. 443.
Ziegler, Joram A. (See Overman and Ziegler.)
Ziegler, Louis, Lyndhurst, N. J. Mechanical movement. No. 1,252,070; Jan. 1; v. 246; p. 185.
Ziegler, Louis, Lyndhurst, N. J. Practice-gun. No. 1,265,984; May 14; v. 250; p. 336.
Ziegler, Louis, Lyndhurst, N. J. Motion-picture apparatus. No. 1,286,483; Dec. 3; v. 257; p. 75.
Ziegler, Louis, Irvington, N. J., assignor to Consolidated Fireworks Company of America, New York, N. Y. Toy pistol. No. 1,265,862; May 14; v. 250; p. 302.
Ziegler, William, Chicago, Ill. Eye instrument. No. 1,272,170; July 9; v. 252; p. 431.
Zielinski, Mieczyslaw, New York, N. Y. Finger-ring. No. 1,285,882; Nov. 26; v. 256; p. 734.
Zielinski, Mieczyslaw A., New York, N. Y. Shoe-clamp. No. 1,252,764; Jan. 8; v. 246; p. 417.
Zielinski, Peter, Palatka, Mich. Window-lock. No. 1,252,528; Jan. 8; v. 246; p. 348.
Zielinski, Walter, Bay City, Mich. Spark-plug connector. No. 1,284,025; Nov. 5; v. 256; p. 153.
Ziemer, Herman W., St. Bonifacius, Minn. Rowing-gear for boats. No. 1,264,741; Apr. 30; v. 249; p. 1159.
Zierdt, Conrad H., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay. No. 1,284,026; Nov. 5; v. 256; p. 154.
Ziesing, Richard, Cleveland, Ohio. Furnace. No. 1,279,486; Sept. 17; v. 254; p. 637.
Ziesing, Richard, Cleveland, Ohio, and G. F. Carpenter, Clarksburg, W. Va., assignors to The Grasselli Chemical Company, Cleveland, Ohio. Cleaning apparatus for retorts. No. 1,268,911; June 11; v. 251; p. 256.
Ziethen, Frederick, *et al.* (See Forsyth, Benjamin F., assignor.)
Zigler, Charles J., and W. P. Holden, Chicago, Ill. Compression-recorder. No. 1,280,354; Oct. 1; v. 255; p. 68.
Zihlmann, Edward L., Huntington, W. Va. Hot stove for glassware. No. 1,257,441; Feb. 26; v. 247; p. 790.
Ziko, Walter, Wakish, Minn. Self-leveling table. No. 1,287,565; Dec. 10; v. 257; p. 374.
Zilk, Joseph F., Neillsville, Wis. Runner attachment for vehicles. No. 1,289,348; Dec. 31; v. 257; p. 895.
Zimbelmann, Peter, Aurora, Ill. Mail-bag catcher. No. 1,290,003; Dec. 31; v. 257; p. 1056.
Zimdars, John B., San Francisco, Cal. Clutch-pencil. No. 1,270,914; July 2; v. 252; p. 46.
Zimlich, Joseph G., Cleveland, Ohio. Barrel-stand. No. 1,257,442; Feb. 26; v. 247; p. 791.
Zimmer, Conrad W., Buffalo, N. Y. Valve. No. 1,289,349; Dec. 31; v. 257; p. 896.
Zimmer, Frederick F., assignor to The Will & Baumer Co., Syracuse, N. Y. Candle-molding machine. No. 1,268,530; June 4; v. 251; p. 131.
Zimmer, John F., New York, N. Y. Transporting and dispensing receptacle. No. 1,286,484; Dec. 3; v. 257; p. 75.
Zimmer, Paul H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit-controller. No. 1,266,897; May 21; v. 250; p. 619.
Zimmer, Paul H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnetic switch. No. 1,271,001; July 2; v. 252; p. 71.
Zimmer, Samuel B., El Centro, Cal. Window construction. No. 1,270,915; July 2; v. 252; p. 46.
Zimmer, Samuel B., El Centro, Cal. Window. No. 1,285,547; Nov. 19; v. 256; p. 608.
Zimmerhaeckel, Friedrich O., New York, N. Y. Book-cover protector. No. 1,264,252; Apr. 30; v. 249; p. 1025.
Zimmerlin, Karl. (See Weiss, Alfred, assignor.)
Zimmerman, Albert, assignor to the estate of L. M. Palmer, deceased, Brooklyn, N. Y. Slaking lime. No. 1,255,268; Feb. 5; v. 247; p. 44.
Zimmerman, Albert, York, Pa., assignor to L. M. Palmer, Brooklyn, N. Y. Apparatus for hydrating lime. No. 1,255,682; Feb. 5; v. 247; p. 164.
Zimmerman, Albert J., Dayton, Ohio., assignor, by mesne assignments, to The Richmond-Standard Manufacturing Company, Richmond, Ind. Weighing-scale. No. 1,267,344; May 21; v. 250; p. 743.
Zimmerman, Albert J., Dayton, Ohio, assignor, by mesne assignments, to The Richmond-Standard Manufacturing Company, Richmond, Ind. Weighing-scale. No. 1,271,497; July 2; v. 252; p. 207.
Zimmerman, Benjamin D. (See Smith, Albert E., assignor.)
Zimmerman, Fredrick W. (See Zimmerman, Henry L. and F. W.)
Zimmerman, George M., Fort Sumner, N. Mex. Fence-post. No. 1,280,355; Oct. 1; v. 255; p. 68.
Zimmerman, Henry L. (See Zimmerman, William C. F., Jr., and H. L.)
Zimmerman, Henry L. and F. W., assignors to Zimmerman Steel Co., Lone Tree, Iowa. Cable take-up. No. 1,252,071; Jan. 1; v. 246; p. 185.
Zimmerman, John. (See Underwood and Zimmerman.)
Zimmerman, Martin, Jeromesville, Ohio. Wheel-drive. No. 1,288,789; Dec. 24; v. 257; p. 734.
Zimmerman, Otto, New York, N. Y. Terminal connector for electrical conductors. No. 1,262,155; Apr. 9; v. 249; p. 358.
Zimmerman, Ralph W., assignor of one-fourth to E. C. Loomis and three-eighths to A. M. Saxe, Chicago, Ill. Pressure-gage. No. 1,288,370; Dec. 17; v. 257; p. 603.
Zimmerman, Robert H., Lockport, N. Y. Direction-signal. No. 1,271,411; July 2; v. 252; p. 184.
Zimmerman Steel Co. (See Zimmerman, Henry L. and F. W., assignors.)
Zimmerman Steel Co. (See Zimmerman, William C. F., assignor.)
Zimmerman, Thomas, assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Automobile starting, generating, and distributing apparatus. No. 1,252,529; Jan. 8; v. 246; p. 348.
Zimmerman, Thomas, assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Cooling-fan for engines. No. 1,259,191; Mar. 12; v. 248; p. 399.
Zimmerman, Thomas, assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Switch for electric starters. No. 1,279,958; Sept. 24; v. 254; p. 796.
Zimmerman, Walter H., Chicago, Ill. Dam construction. No. 1,266,748; May 21; v. 250; p. 579.
Zimmerman, Walter H., Chicago, Ill. Tractor attachment. No. 1,279,070; Sept. 17; v. 254; p. 526.
Zimmerman, William, Detroit, Mich. Telephone attachment. No. 1,288,790; Dec. 24; v. 257; p. 734.
Zimmerman, William C. F., assignor to Zimmerman Steel Co., Lone Tree, Iowa. Fastening means. No. 1,255,971; Feb. 12; v. 247; p. 289.
Zimmerman, William C. F., assignor to Zimmerman Steel Co., Lone Tree, Iowa. Draft apparatus. No. 1,279,211; Sept. 17; v. 254; p. 562.
Zimmerman, William C. F., Jr., and H. L., Lone Tree, Iowa. Stump-pulling apparatus. No. 1,280,356; Oct. 1; v. 255; p. 68.
Zimmermann, Alfred, Zurich, Switzerland. Micrometer. No. 1,288,788; Dec. 24; v. 257; p. 734.
Zimmermann, Hans, assignor to Schutte & Koerting Company, Philadelphia, Pa. Heat-exchanging apparatus. No. 1,277,526; Sept. 3; v. 254; p. 53.
Zimmermann, Hans, assignor to Schutte & Koerting Company, Philadelphia, Pa. Heat-exchanging apparatus. No. 1,289,350; Dec. 31; v. 257; p. 896.
Zimmermann, Julius C., Milwaukee, Wis. Clamp-nail. No. 1,258,732; Mar. 12; v. 248; p. 266.
Zimmermann, Paul G., assignor to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Aeroplane-fitting. No. 1,290,004; Dec. 31; v. 257; p. 1056.
Zimmermann, Paul G., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Fuselage-cover. No. 1,290,005; Dec. 31; v. 257; p. 1057.
Zimmermann, William F., assignor to Gould & Eberhardt, Newark, N. J. Shaping-machine. No. 1,267,158; May 21; v. 250; p. 694.
Zimmermann, William F., assignor to Gould & Eberhardt, Newark, N. J. Gear-planer. No. 1,284,543; Nov. 12; v. 256; p. 316.
Zimring, Meyer, Brooklyn, N. Y. Undergarment. No. 1,254,874; Jan. 29; v. 246; p. 1110.
Zimtbaum, Nathan, Brooklyn, N. Y. Cover for tubs and the like. No. 1,285,548; Nov. 19; v. 256; p. 608.
Zindel, Barney, and W. H. Hart, Green Bay, Wis. Steam-boiler feeder. No. 1,254,185; Jan. 22; v. 246; p. 878.
Zindorf, Matthias P., Seattle, Wash. Road-grading device. No. 1,282,162; Oct. 22; v. 255; p. 658.
Zingsheim, William E., and J. L. Stubbs, Portland, Oreg. Sleeping-porch. No. 1,279,819; Sept. 24; v. 254; p. 756.
Zink, W. P. (See Myers, Melvin A., assignor.)
Zinke, Carl J., assignor to Toledo Scale Company, Toledo, Ohio. Scale-pan. No. 1,280,936; Oct. 8; v. 255; p. 253.
Zinkiewicz, Frank W., Worcester, Mass. Fishing-rod. No. 1,255,269; Feb. 5; v. 247; p. 44.
Zinno, Frank D., assignor to Waterbury Mfg. Co., Waterbury, Conn. Stirrer for molten-brass mixtures. No. 1,270,583; June 25; v. 251; p. 773.
Zinser, John. (See Starck, Nicholas M., assignor.)
Zinssmeister, Carl L., Newark, N. J. Fluid seal for stuffing-boxes. No. 1,272,171; July 9; v. 252; p. 431.
Zipp, Arthur J., Central Lake, Mich. Logging grapple or tongs. No. 1,266,650; May 21; v. 250; p. 551.
Zirker, Morris, *et al.* (See Weston, Edwin J., Jr., assignor.)
Zisch, George J., Newark, N. J. Refrigerating-machine. No. 1,282,516; Oct. 22; v. 255; p. 753.
Zisch, George J., assignor to Newark Engineering and Refrigerating Co., Newark, N. J. Phonograph. No. 1,290,006; Dec. 31; v. 257; p. 1057.
Zisterer, Emil C., Chicago, Ill. Vehicle spring construction. No. 1,261,090; Apr. 2; v. 249; p. 29.
Zito, Gaetano, New York, N. Y. Toy. No. 1,284,544; Nov. 12; v. 256; p. 316.
Zmudzinski, John E., Brooklyn, N. Y. Alarm-lock. No. 1,254,559; Jan. 22; v. 246; p. 985.
Zobel, Bruno, Philadelphia, Pa. Metallurgical furnace. No. 1,285,883; Nov. 26; v. 256; p. 734.

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Zobell, James H., Castlegate, Utah. Convertible valve. No. 1,254,460; Jan. 22; v. 246; p. 956.
Zoelly, Heinrich, Zurich, Switzerland. Electric-driven refrigerating-machine. No. 1,263,633; Apr. 23; v. 249; p. 822.
Zoelly, Heinrich, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Exhaust-connecting branch for turbines. No. 1,276,154; Aug. 20; v. 253; p. 563.
Zoerb, Charles P., Stockton, Cal. Making check-book covers. No. 1,284,027; Nov. 5; v. 256; p. 154.
Zofchak, Michael, Pittsburgh, Pa. Animal life-preserver. No. 1,265,580; May 7; v. 250; p. 192.
Zofsak, John J., Greensburg, Pa. Child's cot for vehicles. No. 1,265,157; May 7; v. 250; p. 79.
Zollar, Edward H., and C. T. Johnson, Canal Dover, Ohio. Sad-iron. No. 1,273,566; July 23; v. 252; p. 869.
Zollinger, Christian, Fort Wayne, Ind. Combination-lock for electric switches. No. 1,252,530; Jan. 8; v. 246; p. 349.
Zollinger, Ernst H., Zurich, Switzerland, and H. Roehling, Milwaukee, Wis. Production of guaiacol. No. 1,281,662; Oct. 15; v. 255; p. 481.
Zolnierowicz, Emil M., Cleveland, Ohio. Automobile-lock. No. 1,259,334; Mar. 12; v. 248; p. 438.
Zolp, Sylvester A., Eustis, Nebr. Portable seat. No. 1,267,953; May 28; v. 250; p. 942.
Zombory, Gyula *et al.* (See Szücs, Stephen, assignor.)
Zook, J. D., *et al.* (See McDonald and Harris, assignors.)
Zook, Morris A., Wilkinsburg, Pa. Traction-machine. No. 1,251,613; Jan. 1; v. 246; p. 51.
Zorn, Fredrick M., Little Rock, Ark. Track-cleaner for sawmill-carriages. No. 1,274,657; Aug. 6; v. 253; p. 91.
Zorn, William H., Harrisburg, Nebr. Automobile-gate. No. 1,253,453; Jan. 15; v. 246; p. 650.
Zorn, William H., Harrisburg, Nebr. Automobile-gate. No. 1,259,581; Mar. 19; v. 248; p. 541.
Zottel, Herman J., assignor to Phyar Extinguisher Co., Milwaukee, Wis. Valve for fire-extinguishers. No. 1,258,296; Mar. 5; v. 248; p. 100.
Zottoli, Joseph T., Boston, Mass. Gear-pump. No. 1,284,028; Nov. 5; v. 256; p. 154.
Zouri Drawn Metals Company. (See Murnane, Daniel J., assignor.)
Zsabka, Julius, New York, N. Y. X-ray-machine stand. No. 1,273,308; July 23; v. 252; p. 798.
Züblin, Wilhelm, Winterthur, Switzerland. Hot-water heating installation. No. 1,265,020; May 7; v. 250; p. 42.
Zublin, Wilhelm, Winterthur, Switzerland. Hot-water-heating installation. No. 1,269,670; June 18; v. 251; p. 498.
Zucco, Pierre, San Francisco, Cal. Adjustable form for concrete arches. No. 1,262,573; Apr. 9; v. 249; p. 475.
Zuckerman, Emil, New York, N. Y. Hinge. No. 1,280,357; Oct. 1; v. 255; p. 68.
Zuckerman, Samuel G., New York, N. Y. Photographic-plate holder. No. 1,267,159; May 21; v. 250; p. 694.
Zuehlke, Lenore, Hortonville, Wis. Electric orchestrion. No. 1,277,813; Sept. 3; v. 254; p. 134.
Zukiwski, John, Isspas, Alberta, Canada, assignor of one-sixth to F. Wakaliuk. Clevis. No. 1,261,889; Apr. 9; v. 249; p. 285.
Zukowski, John, Detroit, Mich. Wire-cutting attachment. No. 1,273,980; July 30; v. 252; p. 1020.
Zulver, Cornelis, London, assignor of one-half to L. E. Smith, South Shields, England. Furnace. No. 1,270,679; June 25; v. 251; p. 798.
Zulver, Cornelis, London, assignor of one-half to L. E. Smith, South Shields, England. Furnace. No. 1,270,680; June 25; v. 251; p. 799.
Zumaglini, Antonio, Turin, Italy. Artificial limb. No. 1,280,358; Oct. 1; v. 255; p. 68.
Zumberg, Peter, and J. Sardin, Detroit, Mich. Oil-press. No. 1,277,677; Sept. 3; v. 254; p. 96.
Zumwalt, Arthur B., Fulton, Cal. Shock-absorber for automobiles. No. 1,265,021; May 7; v. 250; p. 42.
Zumwalt, James M., assignor of one-half to L. M. Zumwalt, Buena Vista, Fla. Adjustable try-square. No. 1,275,822; Aug. 13; v. 253; p. 439.
Zumwalt, Joseph C., Clay Center, Nebr. Attachment for vehicles. No. 1,290,007; Dec. 31; v. 257; p. 1057.
Zumwalt, Lilla M. (See Zumwalt, James M., assignor.)
Zurbrigg, Daniel A., assignor to The L. D. Caulk Company, Milford, Del. Forming and applying tooth-facings. No. 1,265,022; May 7; v. 250; p. 42.
Zurbrigg, Daniel A., assignor to The D. L. Caulk Company, Milford, Del. Matrix for use in tooth restoration. No. 1,265,581; May 7; v. 250; p. 192.
Zürcher-Hinnen, Emil R., Zurich, Switzerland. Artificial tooth. No. 1,260,118; Mar. 19; v. 248; p. 695.
Zwaardemaker, Hendrik, Utrecht, Netherlands, assignors to De Nederlandsche Thermo-Telephoon Maatschappij, Utrecht, Netherlands. Wireless telegraphy and telephony. No. 1,281,742; Oct. 15; v. 255; p. 503.
Zweeres, William K. (See Kavgas and Zweeres.)
Zweibel, Charles A., and L. E. Atwell, Wilmington, N. C. Brake-beam hanger. No. 1,287,566; Dec. 10; v. 257; p. 374.
Zweigbergk, Gillis von. (See Zweigbergk, Thorsten von and G. von.)
Zweigbergk, Thorsten von, Lancaster, and G. von Zweigbergk, Fulwood, England; said G. von Zweigbergk assignor to said Thorsten von Zweigbergk. Friction-clutch. No. 1,281,741; Oct. 15; v. 255; p. 503.
Zweigbergk, Thorsten von, Lancaster, and G. von Zweigbergk, Fulwood, Preston, England; said G. von Zweigbergk assignor to said Thorsten von Zweigbergk. Controlling mechanism for automobiles. No. 1,287,171; Dec. 10; v. 257; p. 278.
Zwermann, Carl H., Kalamazoo, Mich. Kiln. No. 1,275,352; Aug. 13; v. 253; p. 310.
Zwicker, Herman, Sr., Wheeling, W. Va. Fruit-catcher. No. 1,290,008; Dec. 31; v. 257; p. 1057.
Zwicker, Julius G., Berkeley, Cal. Reinforcing-coil for concrete pipes. No. 1,267,835; May 28; v. 250; p. 909.
Zwicker, Julius G., Berkeley, Cal. Concrete-pipe machine. No. 1,275,353; Aug. 13; v. 253; p. 310.
Zwickey, Robert H. (See Petraschke and Zwickey.)
Zwillinger, Bernhard. (See Bauer, Theodor von, assignor.)
Zwillinger, Bernhard, New York, N. Y. Apparatus for converting beehive-ovens into by-product coke-ovens. No. 1,269,895; June 18; v. 251; p. 561.
Zwingenberger, Otto K., Tompkinsville, N. Y. Detinning tin-scrap and the like material. No. 1,260,119; Mar. 19; v. 248; p. 695.
Zwolinski, Thaddeus, San Francisco, Cal. Atomizer. No. 1,259,582; Mar. 19; v. 248; p. 541.
Zwoyer, Ellsworth B. A., Perth Amboy, N. J. Drier. No 1,290,009; Dec. 31; v. 257; p. 1058.
Zwoyer, Ellsworth B. A., Perth Amboy, N. J., and R. A. Zwoyer, Portsmouth, R. I., assignors to The Zwoyer Fuel Company. Briquet. No. 1,258,849; Mar. 12; v. 248; p. 301.
Zwoyer Fuel Company, The. (See Zwoyer, Ellsworth B. A. and R. A., assignors.)
Zwoyer, Rolland A. (See Zwoyer, Ellsworth B. A. and R. A.)

ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

A. C. Clark & Co. (See Hendrickson, Walter H., assignor.)
A. F. Way Company. (See Loehrig, William C., assignor.)
Abelson, Joseph J., Newark, N. J. Ring. No. 51,687; Jan. 15; v. 246; p. 809.
Ackerman, Albert H. (See Ferrin and Ackerman.)
Ackerman, Albert H., Massillon, Ohio. Wheel. No. 52,297; Aug. 27; v. 253; p. 925.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. Nos. 51,669–70; Jan. 8; v. 246; p. 548.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 51,701; Jan. 22; v. 246; p. 1011.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 51,967; Apr. 16; v. 249; p. 723.
Adam, Harry C., St. Louis, Mo. Lighting-fixture urn. No. 51,991; Apr. 30; v. 249; p. 1197.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 51,992; Apr. 30; v. 249; p. 1197.
Adam, Harry C., St. Louis, Mo. Semi-indirect lighting-fixture reflector. No. 52,001; May 7; v. 250; p. 235.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 52,422; Sept. 17; v. 254; p. 640.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 52,462; Sept. 24; v. 254; p. 842.
Adam, Harry C., St. Louis, Mo. Light-fixture. Nos. 52,596–9; Oct. 29; v. 255; p. 1036.
Adams, Arthur J., Bay City, Mich., assignor, by mesne assignments, to Ferris-Stevenson Corporation, Buffalo, N. Y. Running-gear frame for perambulators. No. 52,201; July 23; v. 252; p. 939.
Adams, James D., assignor to The Wabash Cabinet Co., Wabash, Ind. Phonograph-cabinet. No. 52,260; Aug. 20; v. 253; p. 717.
Adamson, Cecil F., assignor of one-half to Walter Grote, East Palestine, Ohio. Flag or emblem. No. 52,202; July 23; v. 252; p. 939.
Agan, Elmer M., Taberg, N. Y. Flag. No. 52,378; Sept. 10; v. 254; p. 427.
Aimone, Raimondo C., New Rochelle, N. Y., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-cabinet. Nos. 52,721–4; Dec. 10; v. 257; p. 386.
Ainsworth, George R., Great Neck, N. Y. Electric-light fixture. No. 51,629; Jan. 1; v. 246; p. 272.
Ajax Rubber Company. (See Destribats, Louis P., assignor.)
Ajax Rubber Company. (See Kraft, Emil J., assignor.)
Aklyama, Tsunesaburo, Rochester, N. Y. Soldier's mail stamp. No. 52,621; Nov. 12; v. 256; p. 424.
Albert Lea Sprayer Co. (See Soth, Henry, assignor.)
Albert Pick & Company. (See Kraus, Jay L., assignor.)
Allardice, Jessie D., Providence, R. I. Game-board. No. 52,691; Nov. 19; v. 256; p. 618.
Alsterlund, Henry E., Roslindale, Mass. Badge, emblem, or similar article of manufacture. No. 52,518; Oct. 8; v. 255; p. 347.
Altenberg, George P., assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Casing for vacuum-insulated pitchers. No. 52,002; May 7; v. 250; p. 235.
Alvey-Ferguson Company, The. (See Wear and Ely, assignors.)
American Graphophone Company. (See Casson, Charles P., assignor.)
American Can Company. (See Corey, Harry R., assignor.)
American Can Company. (See Hoffman, Edmund, assignor.)
American Electrical Heater Company. (See Kuhn and Hand, assignors.)
American Lace Paper Company. (See Conrad, Fred, assignor.)
American Lamp Company. (See Bean, Dixon L., assignor.)
American Motorbus Corporation. (See Weaver, Harold B., assignor.)
American Optical Company. (See Poeton, Lawrence, assignor.)
American Safety Razor Co. (See Pfons, Frank, assignor.)
American Type Founders Company. (See Benton, Morris F., assignor.)
American Type Founders Company. (See Capitain, William E., assignor.)
American Type Founders Company. (See Goudy, Frederic W., assignor.)
American Type Founders Company. (See Marder, Clarence C., assignor.)
Anderson, Ethel L., Los Angeles, Cal. Sweater-coat. No. 51,831; Mar. 5; v. 248; p. 209.
Anderson, Henry C., Athens, Ga. Bottle. No. 52,423; Sept. 17; v. 254; p. 640.
Anderson, Margaret, *et al.* (See McPhaden, Alexander, assignor.)
Anderson, Oscar B. (See Glaznon and Anderson.)
Angiulli, Luigi, New York, N. Y., and E. T. Monteleone, Jersey City, N. J. Casing for signal apparatus. No. 52,106; June 18; v. 251; p. 656.
Anthony, James G. (See Dravo, Charles A., assignor.)
Armour, John S. and G. Moretti, Pittsburgh, Pa. Memorial tablet. No. 51,850; Mar. 12; v. 248; p. 478.
Armstrong, George F., Rutherford, N. J., assignor to Armstrong Rubber Company, Newark, N. J. Non-skid tire. No. 52,298; Aug. 27; v. 253; p. 925.
Armstrong Rubber Company. (See Armstrong, George F., assignor.)
Arndt, George A., assignor to E. T. Johanson, Chicago, Ill. Headlight-lens. No. 52,503; Oct. 1; v. 255; p. 142.
Arney, John W., assignor to Alexander B. Leith, Chicago, Ill. Child's vehicle. No. 52,247; Aug. 6; v. 253; p. 241.
Arnold, John F., assignor to Dunlop Tire and Rubber Goods Company, Limited, Toronto, Ontario, Canada. Automobile-tire. No. 52,725; Dec. 10; v. 257; p. 387.
Arnold, William A., Lowell, Mass. Monument. No. 52,015; May 7; v. 250; p. 237.
Aromint Company, The. (See Earl, Leon P., assignor.)
Aronson, Louis V., Newark, N. J. Combination-tool. No. 52,157; July 9; v. 252; p. 483.
Aronson, Louis V., Newark, N. J. Lamp. No. 52,248; Aug. 6; v. 253; p. 241.
Arrow Grip Manufacturing Co. (See Avery, True M., assignor.)
Associated Silver Company, The. (See Hillbom, Henrik, assignor.)
Aulepp, William C., Jr., Webster Groves, Mo., assignor to Claes and Lehnbeuter Manufacturing Company, St. Louis, Mo. Chair. No. 51,993; Apr. 30; v. 249; p. 1197.
Auto Bill Post Inc. (See De Doory, Ladislaus, assignor.)
Avery, True M., assignor to Arrow Grip Manufacturing Co., Glens Falls, N. Y. Connector for antiskid-chains. No. 52,600; Oct. 29; v. 255; p. 1037.
Avery, Walter J., Cambridge, Mass. Lamp-body. No. 52,107; June 18; v. 251; p. 656.
B. F. Goodrich Company, The. (See Pierson, Robert M., assignor.)
Backstay Machine & Leather Company, The. (See Schemmel, Robert C., assignor.)
Bailey, Banks & Biddle Company, The. (See Streeter, Wilson A., assignor.)
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Casket-handle lug. Nos. 52,379–81; Sept. 10; v. 254; p. 427.
Baird, Leonard B., and B. H. Harper, assignors of one-third to D. F. McCullar, Townley, Ala. Spike-bar. No. 52,052; May 28; v. 250; p. 977.
Baits, Stuart G., assignor to Hudson Motor Car Company, Detroit, Mich. Automobile-body. No. 52,108; June 18; v. 251; p. 657.
Balda, Joseph O., assignor to A. H. Heisey & Co., Newark, Ohio. Goblet. No. 52,622; Nov. 12; v. 256; p. 425.
Bale, Damon, assignor, to Standard Sanitary Manufacturing Co., Louisville, Ky. Pipe-bracket for wash-sinks. No. 56,623; Nov. 12; v. 256; p. 425.
Balistreri, Philipp, Milwaukee, Wis. Ornamental picture-frame. No. 52,233; July 30; v. 252; p. 1127.
Ball, George E., Bridgeport, Conn., assignor to Whiting Manufacturing Company, New York, N. Y. Handle for a spoon, fork, or similar article. No. 52,249; Aug. 6; v. 253; p. 242.
Ball, James W., Logansport, Ind., assignor to F. R. Greene, Chicago, Ill. Computing-scale casing. No. 52,109; June 18; v. 251; p. 657.
Ballenger, Albert W., York, Nebr. Badge, emblem, or similar article of manufacture. No. 52,624; Nov. 12; v. 256; p. 425.
Ballou Manufacturing Company. (See McCormack, George E., assignor.)
Banning, Katharine S., Los Angeles, Cal. Comfort-bag. No. 51,913; Apr. 2; v. 249; p. 217.
Barber, Joel D., Tuckahoe, N. Y. Garment-rack. No. 52,777; Dec. 24; v. 257; p. 802.
Barley, Albert C., Streator, Ill. Rear automobile-wheel fender. No. 51,748; Feb. 12; v. 247; p. 450.
Barnard, Melville C., Douglas, Ariz. Badge or similar ornament. No. 52,261; Aug. 20; v. 253; p. 718.
Barnes, Rudolph, York, Pa. Wall-paper. No. 52,625; Nov. 12; v. 256; p. 425.
Barnhart Bros. & Spindler. (See Ransom, Will, assignor.)
Baruch, Nathan, New York, N. Y. Hat-pin or analogous article. No. 51,914; Apr. 2; v. 249; p. 217.
Bauer, George J., Detroit, Mich. Lamp-shade. No. 52,172; July 16; v. 252; p. 724.
Baumler, Carl A., St. Lucas, Iowa. Tool for applying and removing lock-nuts. No. 52,262; Aug. 20; v. 253; p. 718.

Alphabetical list of patentees of designs—Continued.

Baxter, John B., assignor to Covert Manufacturing Co., Troy, N. Y. Rope-thimble. No. 52,110; June 18; v. 251; p. 657.
Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
Bean, Dixon L., Chicago, Ill., assignor to American Lamp Company. Lighting-fixture. No. 52,299; Aug. 27; v. 253; p. 926.
Bean, Dixon L., Chicago, Ill., assignor to American Lamp Company. Lighting-fixture. No. 52,553; Oct. 15; v. 255; p. 582.
Bear, George W. (See Gardner and Bear.)
Bear, George W., and H. P. Gardner, St. Paul, Minn. Flag, pennant, sign, or article of a similar nature. No. 52,626; Nov. 12; v. 256; p. 425.
Bechtold, William S., Newark, N. J. Mirror, brush, or similar toilet article. No. 51,832; Mar. 5; v. 248; p. 209.
Bechtold, William S., Newark, N. J. Mirror, brush, or similar toilet article. No. 52,111; June 18; v. 251; p. 657.
Becker, Irving, and S. Perell, New York, N. Y. Photograph-holder. No. 52,519; Oct. 8; v. 255; p. 347.
Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Shade-bowl. No. 52,003; May 7; v. 250; p. 235.
Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Baking-dish. No. 52,016; May 7; v. 250; p. 237.
Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Baking-dish. No. 52,627; Nov. 12; v. 256; p. 425.
Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Baking-dish. No. 52,692; Nov. 19; v. 256; p. 618.
Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Baking-dish. Nos. 52,726–7; Dec. 10; v. 257; p. 387.
Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Baking-dish. Nos. 52,816–17; Dec. 31; v. 257; p. 1063.
Belber Trunk & Bag Company, The. (See Weiss, Frank A., assignor.)
Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Automobile-lamp casing. No. 52,300; Aug. 27; v. 253; p. 926.
Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Automobile-radiator casing. No. 52,382; Sept. 10; v. 254; p. 427.
Belmont, Ralph A. (See Schoenberg, Ralph A.)
Belmont, Ralph A., New York, N. Y. Casing for a feed-through switch. No. 52,049; May 21; v. 250; p. 752.
Benedict, Jules B., Denver, Colo. Combination bath-room fixture. No. 52,763; Dec. 17; v. 257; p. 628.
Benko, John, New York, N. Y. Picture-frame. Nos. 52,017–18; May 7; v. 250; p. 237.
Benko, John, New York, N. Y. Picture-frame. No. 52,173; July 16; v. 252; p. 724.
Bennett, Arthur J., Cambridge, Ohio. Glass article. No. 52,554; Oct. 15; v. 255; p. 582.
Bennett, Arthur J., Cambridge, Ohio. Glass article. No. 52,693; Nov. 19; v. 256; p. 618.
Bennett, Isaiah, assignor of one-half to J. L. Bennett, New York, N. Y. Hand-propelled vehicle. No. 52,424; Sept. 17; v. 254; p. 640.
Bennett, Jay L. (See Bennett, Isaiah, assignor.)
Bentley, John T., Tenafly, N. J. Flag. No. 52,463; Sept. 24; v. 254; p. 842.
Benton, Morris F., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Font of type. Nos. 51,945–52; Apr. 9; v. 249; p. 488.
Berberian, Vartan, Providence, R. I. Badge or similar article. No. 52,263; Aug. 20; v. 253; p. 718.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument-board for vehicles. No. 51,702; Jan. 22; v. 246; p. 1011.
Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument-board for automobiles. No. 51,703; Jan. 22; v. 246; p. 1011.
Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine frame. Nos. 52,376–7; Aug. 27; v. 253; p. 938.
Berkey and Gay Furniture Company. (See MacLachlan, Lachlan, assignor.)
Berkovitz, Adolph, and S. Fried, New York, N. Y. Phonograph-cabinet. No. 51,630; Jan. 1; v. 246; p. 273.
Berkshire, William A., Ocheyedan, Iowa. Paring-knife. No. 51,772; Feb. 12; v. 247; p. 454.
Berry, George H., Shelton, assignor to International Silver Company, Meriden, Conn. Hand-mirror, brush, or similar toilet article. Nos. 52,504–7; Oct. 1; v. 255; pp. 142–3.
Best, Grant, assignor to Nyal Company, Detroit, Mich. Perfume-holder. No. 52,728; Dec. 10; v. 257; p. 387.
Beyrand, André, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Nos. 51,873–5; Mar. 19; v. 248; p. 743.
Bienkowski, Alexander B., Wilmington, Del. Boat-hull. No. 52,033; May 14; v. 250; p. 491.
Biette, Henry C., Pittsburgh, Pa. Coffee-brewing pot. No. 52,019; May 7; v. 250; p. 238.
Bigelow, Alma S., Marquette, Mich., assignor to Witcombe, McGeachin and Company, New York, N. Y. Printed fabric. No. 51,749; Feb. 12; v. 247; p. 450.
Bigelow Hartford Carpet Company. (See Brown, John L., assignor.)
Bigelow Hartford Carpet Company. (See Enis, Joseph, assignor.)
Bigelow Hartford Carpet Company. (See Lacouture, Henry C., assignor.)
Bigelow Hartford Carpet Company. (See McCabe, William, assignor.)
Bigelow Hartford Carpet Company. (See Minassian, Leon, assignor.)
Bigelow Hartford Carpet Company. (See Sauer, Emil G., assignor.)
Bigelow Hartford Carpet Company. (See Spring, William A., assignor.)
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric-conduit fitting. Nos. 2,628–9; Nov. 12; v. 256; p. 426.
Bjornlie, Julius, Watertown, S. D., assignor of one-half to T. Bjornlie, Madison, Minn. Tire-tool. No. 52,601; Oct. 29; v. 255; p. 1037.
Bjornlie, Thorwald. (See Bjornlie, Julius, assignor.)
Black & White Cab Company. (See Cole, Walter B., assignor.)
Blackmore, John E., Detroit, Mich. Spring-retaining washer. No. 52,425; Sept. 17; v. 254; p. 640.
Blanchard, Addison H. (See Thomasma and Blanchard.)
Blanchard, James F., Grand Island, Nebr. Mineral, steam, and violet-ray bath-cabinet. No. 52,426; Sept. 17; v. 254; p. 640.
Bland, Perry. (See Creech and Bland.)
Blatzek, Alfred C., Milwaukee, Wis. Commercial container of toilet preparations. No. 52,068; June 4; v. 251; p. 212.
Blee, Charles O., Fort Wayne, Ind. Fishing-reel. No. 51,710; Feb. 5; v. 247; p. 213.
Block, Adolph, Buffalo, N. Y. Bracelet. No. 52,465; Sept. 24; v. 254; p. 842.
Block, Bertha J., Buffalo, N. Y. Bracelet. No. 52,464; Sept. 24; v. 254; p. 842.
Bloom, David, Berkeley, Cal. Receptacle-closure. No. 51,851; Mar. 12; v. 248; p. 479.
Bluhm, Joseph, assignor to The Dana Manufacturing Corporation, Troy, N. Y. Ice-cream spoon, disher, or similar device. No. 52,250; Aug. 6; v. 253; p. 242.
Blum, Frank J., Dansville, N. Y. Slipper. No. 51,711; Feb. 5; v. 247; p. 213.
Blumenthal, Isadore, New York, N. Y. Ash-tray and cigar-cutter. No. 52,264; Aug. 20; v. 253; p. 718.
Bogert, John L., assignor to Waltham Watch Company, Waltham, Mass. Wall-clock casing and dial. No. 51,833; Mar. 5; v. 248; p. 210.
Boig, James H. C., Oklahoma, Okla. Cotton-picking nozzle. No. 52,508; Oct. 1; v. 255; p. 143.
Bomann, George A., Plainfield, N. J. Article of manufacture. No. 52,466; Sept. 24; v. 254; p. 842.
Booth, Kraft, assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Bowl, globe, or plate stand. No. 51,805; Feb. 26; v. 247; p. 945.
Booth, Ronald E., Seattle, Wash. Velocipede. No. 52,694; Nov. 19; v. 256; p. 618.
Boscacci, Milton, Oakland, Cal. Statuette. No. 51,671; Jan. 8; v. 246; p. 548.
Bosnjak, Martin, Cleveland, Ohio. Window shade and pole bracket. No. 52,265; Aug. 20; v. 253; p. 718.
Boston Pencil Pointer Company. (See Wilson, Allen P., assignor.)
Bosworth, Harry J., Chicago, Ill. Aseptic stand. No. 52,778; Dec. 24; v. 257; p. 802.
Bott, Edgar S., assignor to La Crosse Rubber Mills Company, La Crosse, Wis. Ankle-guard for shoes. No. 52,630; Nov. 12; v. 256; p. 426.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Article of manufacture. No. 52,301; Aug. 27; v. 253; p. 926.
Bourgon, Joseph H., Detroit, Mich. Automobile-body. No. 52,125; July 2; v. 252; p. 221.
Bowser, Allen A., Fort Wayne, Ind. Curb-pump casing. No. 51,712; Feb. 5; v. 247; p. 214.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. End bracket for curtain-rods. Nos. 52,555–6; Oct. 15; v. 255; p. 582.
Boye Needle Company, The. (See Flannery, John L., Jr., assignor.)
Boylan, John, Great Neck, N. Y. Finger-ring. No. 52,779; Dec. 24; v. 257; p. 802.
Boyton, John C., Cleveland, Ohio. Conduit-fitting. No. 52,302; Aug. 27; v. 253; p. 926.
Brady, James H., assignor to Visible Measure Gasoline Dispenser Company of America, Louisville, Ky. Gasolene-dispenser. No. 52,383; Sept. 10; v. 254; p. 428.
Branning, Delbert J., Hawley, Pa. Shade for an artificial light and lens for an automobile-headlight. No. 52,631; Nov. 12; v. 256; p. 426.
Brauer, Adolph K., Los Angeles, Cal. Sprinkler-body. No. 52,427; Sept. 17; v. 254; p. 640.
Breitenstein, Arthur L., Akron, assignor to The East Palestine Rubber Company, East Palestine, Ohio. Vehicle-tire. Nos. 51,746–7; Feb. 5; v. 247; p. 220.

Alphabetical list of patentees of designs—Continued.

Breitenstein, Arthur L., Akron, assignor to The Rubber Products Company, Barberton, Ohio. Elastic vehicle-tire. No. 52,266; Aug. 20; v. 253; p. 718.
Breitenstein, Arthur L., Akron, assignor to A. E. Pearce and H. H. Swan, Ashtabula, Ohio. Tire-casing. Nos. 52,303–4; Aug. 27; v. 253; p. 926.
Brocklebank, Robert, Toronto, Ontario, Canada. Game-board. No. 52,034; May 14; v. 250; p. 491.
Brockman, Harry T., Cleveland, Ohio. Patriotic emblem, pin, or button. No. 51,688; Jan. 15; v. 246; p. 810.
Bronner, Frederick H., assignor to Irwin-Hodson Company, Portland, Oreg. An individual service-medallion. No. 52,203; July 23; v. 252; p. 940.
Brouwer-Ancher, Cornelis L., Minneapolis, Minn. Grape-fruit plier. No. 52,557; Oct. 15; v. 255; p. 583.
Brown, Ames T., Lexington, Mass., assignor to Interboro Medal & Badge Mfg. Co., New York, N. Y. Finger-ring or similar article of jewelry. No. 52,467; Sept. 24; v. 254; p. 843.
Brown, Arthur C., assignor to Krementz & Co., Newark, N. J. Brooch-pin. No. 52,780; Dec. 24; v. 257; p. 802.
Brown, Eva M., Gardiner, Me. Broom-moistener. No. 52,632; Nov. 12; v. 256; p. 426.
Brown, George W., Cape Elizabeth, assignor to S. J. Dodge, New Castle, Me. Combination heating and lighting stove. No. 52,520; Oct. 8; v. 255; p. 347.
Brown, John L., Lyndhurst, N. J., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,776; Feb. 19; v. 247; p. 722.
Brown, Lloyd, Los Angeles, Cal. Game-board. No. 51,713; Feb. 5; v. 247; p. 214.
Brown, Max, assignor to National Art Novelty Company, Chicago, Ill. Mirror. No. 51,916; Apr. 2; v. 249; p. 217.
Bruckman, Ernest C., New York, N. Y. Casing for automobile-radiators. No. 52,053; May 28; v. 250; p. 977.
Bruder, Edmund, Chicago, assignor to H. I. Koppelman, Wilmette, Ill. Casing of a dispenser for grit-soap and the like. No. 52,069; June 4; v. 251; p. 213.
Bruess, Wilhelm, Sandusky, Ohio. Automobile-tire. No. 51,917; Apr. 2; v. 249; p. 217.
Brunk, Mary V., Kansas City, Kans. Metal shoe-sole. No. 52,729; Dec. 10; v. 257; p. 387.
Brunswick-Balke-Collender Company. (See Hine, Cicero, assignor.)
Bruyere, Louis U., Toledo, Ohio. Combined ash-tray and holder for pipes, tobacco, and matches. No. 52,126; July 2; v. 252; p. 222.
Bryant, George W., New York, N. Y. Mourning-flag. No. 52,468; Sept. 24; v. 254; p. 843.
Buchenau, Lloyd W., Stockton, Cal. Gum and mint case. No. 52,558; Oct. 15; v. 255; p. 583.
Budweiser, Bernhard, Chicago, Ill. Helmet. No. 52,781; Dec. 24; v. 257; p. 802.
Buffalo Dental Manufacturing Company. (See Lewis, Theodore G., assignor.)
Bugbee and Niles Co. (See King, Rufus, assignor.)
Bunting, James F., Ben Avon borough, assignor to Bunting Stamp Company, Pittsburgh, Pa. Flag. No. 52,782; Dec. 24; v. 257; p. 803.
Bunting, James H., assignor to Susquehanna Silk Mills, New York, N. Y. Brocade. Nos. 52,204–5; July 23; v. 252; p. 940.
Bunting Stamp Company. (See Bunting, James F., assignor.)
Burd, Clara M., New York, N. Y., assignor to The Faultless Rubber Co., Ashland, Ohio. Doll. Nos. 51,852–3; Mar. 12; v. 248; p. 479.
Burr, John F., Houston, Minn. Head for fencing-hammers. No. 51,773; Feb. 12; v. 247; p. 454.
Burrage, Courtney. (See Stean, Jules H., assignor.)
Burton, Edward, assignor to Gorham Manufacturing Company, Providence, R. I. Ornament for automobiles. No. 51,714; Feb. 5; v. 247; p. 214.
Burton, Edward, assignor to Gorham Manufacturing Company, Providence, R. I. Ornament for automobiles. No. 51,777; Feb. 19; v. 247; p. 722.
Bush, William, Worcester, Mass. Child's car. No. 52,783; Dec. 24; v. 257; p. 803.
Bynner, George T., Chicago, Ill. Emblem, badge, or similar article. No. 52,206; July 23; v. 252; p. 940.
Bynner, George T., Chicago, Ill. Emblem, badge, or article of similar nature. No. 52,469; Sept. 24; v. 254; p. 843.
C. H. Eden Company. (See Heath, Thomas, assignor.)
Campbell, Charles A., Brooklyn, N. Y. Lamp-globe. No. 51,876; Mar. 19; v. 248; p. 743.
Campbell, Donald, assignor to Lyon & Healy, Chicago, Ill. Harp. No. 51,918; Apr. 2; v. 249; p. 218.
Capitain, William E., Bayonne, assignor to American Type Founders Company, Jersey City, N. J. Font of type. No. 51,953; Apr. 9; v. 249; p. 489.
Carlin, Simon, Philadelphia, Pa. Badge or emblem. No. 52,633; Nov. 12; v. 256; p. 426.
Carpenter, Robert F., Cleveland, Ohio. Metal stall. No. 51,672; Jan. 8; v. 246; p. 548.
Carr, Thomas F., Wilmington, Del. Patriotic frame. No. 52,634; Nov. 12; v. 256; p. 427.
Carrillo & Co., R. (See Wilcock, Arthur, assignor.)
Carroll, Henry J., assignor to H. Lederer & Bro. Inc., Providence, R. I. Fob, pendant, brooch, pin, or similar article. No. 51,954; Apr. 9; v. 249; p. 490.
Carroll, John F., Buffalo, N. Y. Flower-pot or analogous article. No. 52,559; Oct. 15; v. 255; p. 583.
Cartier, Leo, San Francisco, Cal. Smoker's tray. No. 52,560; Oct. 15; v. 255; p. 583.
Cascaden, Agnes B., San Francisco, Cal. Badge. No. 51,715; Feb. 5; v. 247; p. 214.
Cassel, Marie. Philadelphia, Pa. Cake-form. No. 51,750; Feb. 12; v. 247; p. 450.
Cassidy, George W., New York, N. Y. Combined bowl and diffusing-shade. No. 52,521; Oct. 8; v. 255; p. 347.
Casson, Charles P., New York, N. Y., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine cabinet. Nos. 51,834–5; Mar. 5; v. 248; p. 210.
Celro-Salto Nut Company. (See Franklin, Joseph A., assignor.)
Central Brass & Fixture Company. (See Crabill and Turner, assignors.)
Central Flatiron Mfg. Co. The. (See Heckmann, Harry G., assignor.)
Chandler, William L., Mishawaka, Ind., assignor to National Safety Council, Chicago, Ill. Danger-sign. No. 51,631; Jan. 1; v. 246; p. 273.
Chase, Theron P., and A. Ward, Jr., Detroit, Mich. Automobile-body. No. 51,632; Jan. 1; v. 246; p. 273.
Cheiver, John B., and J. Burcham, San Diego, Cal. Scraper-holder. No. 52,765; Dec. 17; v. 257; p. 628.
Cheney Talking Machine Company. (See Eggebrecht, William H., assignor.)
Chester, Ralph L., and H. Y. Lake, Ocean City, N. J. Badge. No. 51,717; Feb. 5; v. 247; p. 215.
Chicago Pneumatic Tool Company. (See De Schaum, Robert, assignor.)
Chipps, Charles W., and A. L. Hartman, Hacker Valley, W. Va. Saw-setting tool. No. 52,428; Sept. 17; v. 254; p. 640.
Chisan, John, Leckrone, Pa. Brush. No. 52,695; Nov. 19; v. 256; p. 618.
Christensen, Alfred, Detroit, Mich. Cigar-cutter. No. 52,730; Dec. 10; v. 257; p. 387.
Church, Webb & Close. (See Webb and Close, assignors.)
Churchill, William, Corning, N. Y., assignor to Corning Glass Works. Headlight cover-glass. No. 52,384; Sept. 10; v. 254; p. 428.
Churchill, William, Corning, N. Y., assignor to Corning Glass Works. Refracting cover-glass. Nos. 52,635–6; Nov. 12; v. 256; p. 427.
Cirelli, Francesco, Philadelphia, Pa. Tone-arm for talking-machines. No. 51,718; Feb. 5; v. 247; p. 215.
Claes and Lehnbeuter Manufacturing Company. (See Aulepp, William C., Jr., assignor.)
Clapp, Elizabeth B., assignor to Rolling Tooth Brush Company, Boston, Mass. Tooth-brush. No. 52,385; Sept. 10; v. 254; p. 428.
Clark, James L., Los Angeles, Cal. Badge. No. 51,919; Apr. 2; v. 249; p. 218.
Clement Talbot Limited. (See Roesch, Georges, assignor.)
Cleveland Chandelier Company. (See Meng, Arthur, assignor.)
Cloud, Otho E., Philadelphia, Pa. Badge. No. 51,920; Apr. 2; v. 249; p. 218.
Close, George L. (See Webb and Close.)
Cloutier, Walter J., assignor to J. M. Fisher Company, Attleboro, Mass. Patriotic badge. No. 52,522; Oct. 8; v. 255; p. 347.
Clover Manufacturing Co. (See Gallaher, Edward B., assignor.)
Cogan, Edawrd F., and J. L. Sharbaro, Denver, Col. Patriotic emblem. No. 52,637; Nov. 12; v. 256; p. 427.
Cohn, Albert, Chicago, Ill. Musical toy or kazoo. No. 52,471; Sept. 24; v. 254; p. 843.
Cohn & Rosenberger. (See Marcher, Royal, assignor.)
Cole, Charles B., Detroit, Mich. Lamp. No. 51,978; Apr. 23; v. 249; p. 966.
Cole, John C. Springfield, Mass., assignor to The Dreadnaught Tire & Rubber Company, Orangeville, Md. Pneumatic tire. No. 52,054; May 28; v. 250; p. 978.
Cole, Walter B., assignor to Black & White Cab Company, Inc., New York, N. Y. Emblem. No. 51,673; Jan. 8; v. 246; p. 549.
Collins, Fred J., Rockford, Ill. Flower-basket. No. 51,633; Jan. 1; v. 246; p. 273.
Colwell, Walter E., Oakville, Ontario, Canada. Cabinet for sound-producing apparatus. No. 51,716; Feb. 5; v. 247; p. 214.
Connor, Martha H., assignor to Tin Decorating Company of Baltimore, Baltimore, Md. Sifter-top or similar receptacle. No. 52,305; Aug. 27; v. 253; p. 927.
Conrad, Fred, Milwaukee, Wis., assignor to American Lace Paper Company. Paper doily. No. 52,234; July 30; v. 252; p. 1127.
Constantine, F. L., *et al.* (See Doherty, Fred, assignor.)
Cooper, Allyn R., Marshalltown, Iowa. Housing for muffler cut-outs. No. 52,638; Nov. 12; v. 256; p. 427.
Coppinger, Mark, Kansas City, Mo. Combination lamp and street-sign. No. 51,774; Feb. 12; v. 247; p. 455.
Corey, Harry R. Brooklyn, N. Y., assignor to American Can Company, New York, N. Y. Talcum-powder box. No. 52,472; Sept. 24; v. 254; p. 843.
Corley, John T., Providence, R. I. Steering-column brace. No. 52,429; Sept. 17; v. 254; p. 641.
Corning Glass Works. (See Churchill, William, assignor.)

Alphabetical list of patentees of designs—Continued.

Corning Glass Works. (See Gage and Pascucci, assignors.)
Cosman, Jack T., New York, N. Y. Type-writer frame. No. 52,696; Nov. 19; v. 256; p. 619.
Coste, Emile, assignor to Titus Blatter & Company, New York, N. Y. Textile fabric. No. 51,877; Mar. 19; v. 248; p. 744.
Coste, Emile, assignor to Titus Blatter & Company, New York, N. Y. Textile fabric. No. 51,921; Apr. 2; v. 249; p. 218.
Coste, Emile, assignor to Titus Blatter & Company, New York, N. Y. Article of manufacture. No. 52,127; July 2; v. 252; p. 222.
Coste, Emile, assignor to Titus Blatter & Company, New York, N. Y. Article of manufacture. No. 52,523; Oct. 8; v. 255; p. 347.
Couturier, Ernst A., Elkhart, Ind. Cornet. No. 52,207; July 23; v. 252; p. 940.
Couturier, Ernst A., Elkhart, Ind. Trumpet. No. 52,473; Sept. 24; v. 254; p. 844.
Covert Manufacturing Company. (See Baxter, John B., assignor.)
Coyan, Edward T., Pittsburgh, Pa. Flag. No. 52,020; May 7; v. 250; p. 238.
Cozatsky, Nathan, New Haven, Conn., assignor to Solar Light Company, New York, N. Y. Gas-lamp socket. No. 51,854; Mar. 12; v. 248; p. 479.
Crabill, Pearl P., and J. Turner, assignors to The Central Brass & Fixture Company, Springfield, Ohio. Bracket for automobile-bumpers. No. 52,035; May 14; v. 250; p. 492.
Craig, Elizabeth B., Concord, Mass. Emblem. No. 52,128; July 2; v. 252; p. 222.
Creech, Samuel E., and P. Bland, Sullivan, Ill. Hair-pin. No. 52,036; May 14; v. 250; p. 492.
Creifelds, Richard, New York, N. Y. Game-board. No. 52,784; Dec. 24; v. 257; p. 803.
Creque, Frank J., Cuyahoga Falls, Ohio. Toy balloon. No. 52,129; July 2; v. 252; p. 222.
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Crouse-Hinds Company. (See Hastings, Harold P., assignor.)
Crowder, Raymond. (See MacKenzie and Crowder.)
Crowell, Frank S., assignor to The Western Gas Fixture Co., Toledo, Ohio. Arm for lighting-fixtures. No. 52,602; Oct. 29; v. 255; p. 1037.
Crowell, Frank S., assignor to The Western Gas Fixture Co., Toledo, Ohio. Lighting-fixture. No. 52,603; Oct. 29; v. 255; p. 1037.
Culp, George K., Kansas City, Mo., assignor to United States Tire Company. Article of manufacture. No. 52,306; Aug. 27; v. 253; p. 927.
Curol, Stanley, Willimantic, Conn. Bracket for a curtain and shade roller. No. 51,719; Feb. 5; v. 247; p. 215.
Curtin, Andrew F., Medford, Mass. Water-closet tank. No. 52,524; Oct. 8; v. 255; p. 348.
Curtis & Company Manufacturing Company. (See Steedman, George F., assignor.)
Curtis, Edgar F., Salem, assignor to Joseph W. Woods & Sons Company, Boston, Mass. Woven fabric or similar article. No. 52,307; Aug. 27; v. 253; p. 927.
Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Scabbard. No. 52,037; May 14; v. 250; p. 492.
D. Gruen Sons & Company, The. (See Gruen, Frederick G., assignor.)
D'Oller, Henry, Jr., Bridgeport, Conn. Lamp-socket hood. No. 51,756; Feb. 12; v. 247; p. 451.
Dalton, Hubert, New York, N. Y., assignor to Dalton Manufacturing Corporation. Lathe cabinet-stand. No. 51,897; Mar. 26; v. 248; p. 987.
Dalton Manufacturing Corporation. (See Dalton, Hubert, assignor.)
Dana Manufacturing Corporation, The. (See Bluhm, Joseph, assignor.)
Daniel, Warren G., Boone, Iowa. Badge or emblem. No. 52,004; May 7; v. 250; p. 235.
Danielson, Emil O. J., Boston, Mass. Flag-pole. No. 51,751; Feb. 12; v. 247; p. 450.
Daving, Joseph, New York, N. Y. Case and dial for a wrist-watch. No. 52,764; Dec. 17; v. 257; p. 628.
Davis, Charles E. (See Hector and Davis.)
Davis, Charles T., Brooklyn, N. Y. Bottle. No. 52,561; Oct. 15; v. 255; p. 583.
Davis, Emanuel, Brooklyn, N. Y. Statuette and similar article or ornament. No. 52,639; Nov. 12; v. 256; p. 427.
Davis, Simon E., assignor to Levi Strauss & Co., San Francisco, Cal. Children's one-piece outer garment. No. 51,674; Jan. 8; v. 246; p. 549.
Davison, Goliat, St. Louis, assignor of one-half to C. Nusbaum, Brookfield, Mo. Shoe-upper or similar article. No. 52,525; Oct. 8; v. 255; p. 348.
Day, George H., assignor to E. Kirstein Sons Company, Rochester, N. Y. Ophthalmic mounting. No. 52,509; Oct. 1; v. 255; p. 143.
Day, William H., Milwaukee, Wis., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Electrical measuring-instrument casing. No. 51,968; Apr. 16; v. 249; p. 723.
Davol Rubber Company. (See Ziegler, Franz F., assignor.)
Dawes, John L., Pittsburgh, Pa. Lamp-casing. No. 52,208; July 23; v. 252; p. 940.
Dawson, Robert K., Guelph, Ontario, Canada. Three-wheeled car for children. No. 52,209; July 23; v. 252; p. 941.
Dayton Metal Products Company, The. (See Turner, Robert H., assignor.)
De Doory, Ladislaus, assignor to Auto Bill Post Inc., Boston, Mass. Advertising-automobile. No. 51,634; Jan. 1; v. 246; p. 273.
De Leon, Alfredo. (See Vieira, Antonio, assignor.)
De Neergaard, Elna M., New York, N. Y. Loom-frame. No. 52,697; Nov. 19; v. 256; p. 619.
De Sabato, Paul, Blairsville, Pa. Waffle-iron. No. 51,661; Jan. 1; v. 246; p. 279.
De Schaum, Robert, assignor of one-half to Chicago Pneumatic Tool Company, Chicago, Ill. Automobile-radiator. No. 52,038; May 14; v. 250; p. 492.
Decker, Charles G., Brooklyn, N. Y. Set of playing-cards. No. 52,005; May 7; v. 250; p. 235.
Deckert, Max, assignor to Lindstrom, Smith Company, Chicago, Ill. Electric lantern. No. 52,308; Aug. 27; v. 253; p. 927.
Delmonico, Charles C., Morristown, N. J. Button, badge, or emblem. No. 52,070; June 4; v. 251; p. 213.
Demarest, James C., assignor to J. C. Demarest & Co., Inc., New York, N. Y. Table. No. 51,836; Mar. 5; v. 248; p. 210.
Dominick & Haff. (See Hebbard, Harrison, assignor.)
Deranek, Joseph P., East St. Louis, Ill. Radiator-cap. No. 52,698; Nov. 19; v. 256; p. 619.
Derry, Edwin H., Erie, Pa. Waste-basket. No. 52,158; July 9; v. 252; p. 483.
Desfosse, Eugene. (See Jackson, Marión W., assignor.)
Desha, Orville U., Fort Collins, Colo. Frame for spectacles. No. 51,955; Apr. 9; v. 249; p. 490.
Destribats, Louis P., Trenton, N. J., assignor to Ajax Rubber Company, Inc., Milbrook, N. Y. Tire-casing. Nos. 52,430–1; Sept. 17; v. 254; p. 641.
Detreux, Henry, and B. Lovatt, Philadelphia, Pa. Puzzle. No. 51,720; Feb. 5; v. 247; p. 215.
Detroit Heating & Lighting Company, The. (See Joy and Vogel, assignors.)
Deuel, Ella S., Portland, Oreg. Bowl. No. 52,309; Aug. 27; v. 253; p. 927.
Dickey, Edmund, Lancaster, Ohio. Dimming-lens. No. 51,752; Feb. 12; v. 247; p. 451.
Dickmeyer, William C., assignor to Perfection Biscuit Company, Fort Wayne, Ind. Cracker-can. No. 52,562; Oct. 15; v. 255; p. 583.
Dietz, Fred, deceased; J. E. Dietz and W. T. Jerome, executors, assignors to R. E. Dietz Company, New York, N. Y. Lantern-globe. No. 51,721; Feb. 5; v. 247; p. 215.
Dietz, John E., *et al.*, executors. (See Dietz, Fred.)
Dinhofer Bros. (See Sworbel, John A., assignor.)
Dittrick, John, Elmsley, Ontario, Canada. Toy cannon. No. 51,675; Jan. 8; v. 246; p. 549.
Dodd, William Manufacturing Company. (See Grummon, Josiah D., assignor.)
Dodge Brothers. (See Goddard, George E., assignor.)
Dodge Brothers. (See Overmyer, Otho R., assignor.)
Dodge, Susan J. (See Brown, George W., assignor.)
Doherty, Fred, assignor of one-third to E. F. Noon, and one-third to F. L. Constantine, San Francisco, Cal. Picture-frame. No. 52,510; Oct. 1; v. 255; p. 143.
Donne, Walter J., London, England. Game-board. No. 52,210; July 23; v. 252; p. 941.
Dravo, Charles A., assignor of one-half to J. G. Anthony, Washington, D. C. Badge or ornament. No. 52,785; Dec. 24; v. 257; p. 803.
Drayton, Grace G., New York, N. Y. Figure toy. Nos. 52,021–5; May 7; v. 250; pp. 238–9.
Dreadnaught Tire & Rubber Company, The. (See Cole, John C., assignor.)
Duff, John S., Philadelphia, Pa. Flag. No. 52,039; May 14; v. 250; p. 492.
Duffy, Thomas I., Chicago, Ill. Vehicle-lamp. No. 51,778; Feb. 19; v. 247; p. 722.
Duncan, Harvey A., Omaha, Nebr. Package-tie fastener. No. 52,563; Oct. 15; v. 255; p. 584.
Dunlap, Jack R., Dallas, Tex. Signal housing and support. No. 52,235; July 30; v. 252; p. 1128.
Dunlop Tire and Rubber Goods Company. (See Arnold, John F., assignor.)
Dunn, Frank M., Oakland, Cal., assignor to United States Glass Company, Pittsburgh, Pa. Soda-goblet. No. 52,093; June 11; v. 251; p. 442.
Dunn, Frank M., Oakland, Cal., assignor to United States Glass Company, Pittsburgh, Pa. Ice-cream goblet. No. 52,094; June 11; v. 251; p. 443.
Dutcher, William H., New York, assignor of one-half to C. Scarl, Brooklyn, N. Y. Shirts or similar body-garments. No. 52,640; Nov. 12; v. 256; p. 428.
Dwyer, John W., Philadelphia, Pa. Child's rocker. No. 51,806; Feb. 26; v. 247; p. 945.
Dziezyc, William, Middletown, N. J. Nail-set. No. 52,310; Aug. 27; v. 253; p. 927.
E. Kirstein Sons Company. (See Day, George H., assignor.)

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E. C. Tecktonius Manufacturing Co. (See Tecktonius, Emil C., assignor.)
E. I. Horsman Co. (See Schmelzer, Harvey J., assignor.)
Eachus, Iredell, assignor to The Macbeth Arc Lamp Company, Inc., Philadelphia, Pa. Arc-lamp casing. No. 52,211; July 23; v. 252; p. 941.
Earl, Leon P., assignor to The Aromint Company, Cincinnati, Ohio. Display and dispensing device. No. 51,723; Feb. 5; v. 247; p. 216.
Easby, Thomas B., assignor to New York Stamping Company, Brooklyn, N. Y. Dish-cover. No. 52,564; Oct. 15; v. 255; p. 584.
East Palestine Rubber Company, The. (See Breitenstein, Arthur L., assignor.)
Eaton, Crane & Pike Co. (See Pike, William A., assignor.)
Econometer Co., The. (See Gebhart, John C., assignor.)
Eddy, Robert, Milwaukee, Wis. Rubber ball. No. 51,722; Feb. 5; v. 247; p. 216.
Edmunds, Ida B., Kansas City, Mo. Card-holder. No. 52,006; May 7; v. 250; p. 235.
Edwards, Isaac L., Aurora, Ill. Railway tie-plate. No. 52,159; July 9; v. 252; p. 483.
Edwards, Thomas J., Akron, Ohio. Elastic vehicle-tire. Nos. 52,731–2; Dec. 10; v. 257; p. 388.
Edwin B. Stimpson Company. (See Rau, Henry V., assignor.)
Eggebrecht, William H., Grand Rapids, Mich., assignor to Cheney Talking Machine Company, Chicago, Ill. Casing for automatic sound-producing instruments. Nos. 52,526–7; Oct. 8; v. 255; p. 348.
Ely, Bernard M., (See Wear and Ely.)
Ely, Sumner A., New York, N. Y. Safe or vault door. No. 52,733; Dec. 10; v. 257; p. 388.
Endicott, Johnson & Company. (See Johnson, Harry L., assignor.)
Engler, William B., Baltimore, Md., assignor to General Motors Corporation, Detroit, Mich. Radiator. No. 52,267; Aug. 20; v. 253; p. 718.
Enis, Joseph, Jersey City, N. J., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,779; Feb. 19; v. 247; p. 723.
Ericksen, William, Brooklyn, N. Y. Picture-frame. No. 51,855; Mar. 12; v. 248; p. 479.
Erickson, Ellis E., Irvington, assignor to Newark Sign Company, Newark, N. J. Outdoor sign. Nos. 52,007–8; May 7; v. 250; p. 236.
Essayan, Harold G., Brookline, Mass. Emblem. No. 51,635; Jan. 1; v. 246; p. 273.
Eustis, John P., Newton, Mass. Sterilizing device. Nos. 52,604–6; Oct. 29; v. 255; pp. 1037–8.
Evans, Howard S., Pittsburgh, Pa., assignor to Macbeth-Evans Glass Company. Baking-dish. No. 51,837; Mar. 5; v. 248; p. 210.
Evans, Howard S., Pittsburgh, Pa., assignor to Macbeth-Evans Glass Company. Baking-dish. Nos. 51,878–81; Mar. 19; v. 248; p. 744.
Evans, William G., Kansas City, Mo. Emblem. No. 51,856; Mar. 12; v. 248; p. 479.
F. W. King Optical Company, The. (See King, Louise C., assignor.)
Farber, Simon W., Brooklyn, N. Y. Electric-lamp fixture. No. 52,251; Aug. 6; v. 253; p. 242.
Farda, James, Utica, N. Y. Funeral-wreath. No. 52,786; Dec. 24; v. 257; p. 803.
Farr, Edward A., Meriden, Conn. Crumb-tray. No. 51,676; Jan. 8; v. 246; p. 549.
Farrar, Horace J., Seattle, assignor to Universal High Power Telephone Co., King county, Wash. Indirect-lighting fixture. No. 56,641; Nov. 12; v. 256; p. 428.
Faultless Rubber Co., The (See Burd, Clara M., assignor.)
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fee, Francis J., New York, N. Y. Sprinkler-head link element. No. 51,807; Feb. 26; v. 247; p. 945.
Felix, Meyer, New York, N. Y. Lace. No. 52,401; Sept. 10; v. 254; p. 431.
Fellman, Max, Columbus, Ohio. Badge. No. 51,689; Jan. 15; v. 246; p. 810.
Fellom, Lelia M., Los Angeles, Cal. Doll. No. 51,677; Jan. 8; v. 246; p. 549.
Fellom, Lelia M., Los Angeles, Cal. Doll. No. 51,753; Feb. 12; v. 247; p. 451.
Fellom, Lelia M., Los Angeles, Cal. Doll. No. 51,780; Feb. 19; v. 247; p. 723.
Fellom, Lelia M., Los Angeles, Cal. Doll. Nos. 52,174–5; July 16; v. 252; p. 724.
Fellom, Lelia M., Los Angeles, Cal. Doll. No. 52,311; Aug. 27; v. 253; p. 928.
Fellom, Lelia M., Los Angeles, Cal. Doll. Nos. 52,642–3; Nov. 12; v. 256; p. 428.
Ferdinand Strauss Inc. (See Schanschieff, Alexander N., assignor.)
Ferguson Brothers Mfg. Co.. (See Johnson, Adam E., assignor.)
Ferguson, Clara, assignor to Levi Strauss & Company, San Francisco, Cal. Woman's suit. Nos. 51,956–7; Apr. 9; v. 249; p. 490.
Ferrin, Arthur W., and A. H. Ackerman, Massillon, Ohio. Wheel. No. 52,312; Aug. 27; v. 253; p. 928.
Ferris-Stevenson Corporation. (See Adams, Arthur J., assignor.)
Fidel, Herman. (See Shainmark and Fidel.)
Finneran, Patrick J., Boston, Mass. Sole for footwear. No. 52,565; Oct. 15; v. 255; p. 584.
Firestone Tire and Rubber Company, The. (See Meyer, Leroy E., assignor.)
Firth, Clarence. (See Hollweg and Firth.)
Fisch, Joseph. (See Stirn, Louis, assignor.)
Fisk Rubber Company, The. (See Leab, Herbert J., assignor.)
Fisk Rubber Company, The. (See Lewis, George H., assignor.)
Flannery, John L., Jr., New York, N. Y. Display card or mounting. Nos. 51,636–8; Jan. 1; v. 246; p. 274.
Flannery, John L., Jr., assignor to The Boye Needle Company, Chicago, Ill. Display card or label. No. 51,857; Mar. 12; v. 248; p. 480.
Flannery, John L., Jr., assignor to The Boye Needle Company, Chicago, Ill. Envelop. No. 51,922; Apr. 2; v. 249; p. 218.
Flannery, John L., Jr., assignor to The Boye Needle Company, Chicago, Ill. Display card or mounting. No. 52,071; June 4; v. 251; p. 213.
Flannery, John L., Jr., assignor to The Boye Needle Company, Chicago, Ill. Belt-holder. No. 52,130; July 2; v. 252; p. 222.
Flannery, John L., Jr., assignor to The Boye Needle Company, Chicago, Ill. Carton. No. 52,131; July 2; v. 252; p. 222.
Flannery, John L., Jr., assignor to The Boye Needle Company, Chicago, Ill. Display card or mounting. Nos. 52,212–13; July 23; v. 252; p. 941.
Flannery, John L., Jr., assignor to The Boye Needle Company, Chicago, Ill. Display card or mounting. No. 52,818; Dec. 31; v. 257; p. 1063.
Florence Manufacturing Company. (See Graul, William F., assignor.)
Fogarty, George D., Brooklyn, N. Y. Signal. No. 52,607; Oct. 29; v. 255; p. 1038.
Ford, E. Ainslie, G. L. Pew, and E. J. Kelly, New York, N. Y. Book-stop or similar article. No. 52,072; June 4; v. 251; p. 213.
Ford, Henry, Dearborn, Mich. Tractor-dash. No. 52,608; Oct. 29; v. 255; p. 1038.
Ford, Henry, Dearborn, Mich. Tractor-body. No. 52,609; Oct. 29; v. 255; p. 1038.
Ford, Henry, Dearborn, Mich. Tractor radiator and tank assembly. No. 52,734; Dec. 10; v. 257; p. 388.
Forrest, Edwin, New York, N. Y. Phonograph case or cabinet. No. 52,214; July 23; v. 252; p. 941.
Forsberg, Oscar F., Yonkers, N. Y., assignor, by mesne assignments, to Western Electric Company. Calling device. No. 52,009; May 7; v. 250; p. 236.
Forsberg, Oscar F., Yonkers, N. Y., assignor, by mesne assignments, to Western Electric Company. Desk telephone-stand. No. 52,010; May 7; v. 250; p. 236.
Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
Fostoria Glass Company. (See Sullivan, Charles L., assignor.)
Francis, Solomon S., Oakesdale, Wash. Steam-jet oven-cleaner. No. 52,699; Nov. 19; v. 256; p. 619.
Frankel, Mortimer, assignor to Wilmort Manufacturing Company, Chicago, Ill. Crumb-sweeper. No. 51,639; Jan. 1; v. 246; p. 274.
Franklin, Joseph A., assignor to Celro-Salto Nut Company, Chicago, Ill. Dispensing-urn. No. 52,011; May 7; v. 250; p. 236.
Frankowiak, Joseph J., Detroit, Mich. Picture-frame. No. 52,761; Dec. 10; v. 257; p. 393.
Frantz Premier Company, The. (See Robertson, Elroy C., assignor.)
Frawley, Edward P., New York, N. Y. Desk-cabinet. No. 51,640; Jan. 1; v. 246; p. 274.
Frawley, Edward P., New York, N. Y. Desk-cabinet. No. 52,787; Dec. 24; v. 257; p. 803.
Fredericks, Remy, San Francisco, Cal. Spool-holder or toy. No. 52,819; Dec. 31; v. 257; p. 1063.
French, Ira L., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp-shade. No. 51,923; Apr. 2; v. 249; p. 219.
Fried, Samuel. (See Berkovitz and Fried.)
Friedberger-Aaron Manufacturing Company. (See Schnitzler, George, assignor.)
Friedley-Voshardt Co. (See Mohrmann, Paul, assignor.)
Friedley-Voshardt Co. (See Wellman, Lester R., assignor.)
Friedline, William H., assignor of one-half to C. E. Livengood, Meyersdale, Pa. Graphophone-case. No. 52,644; Nov. 12; v. 256; p. 428.
Friedline, William H., assignor of one-half to C. E. Livengood, Meyersdale, Pa. Graphophone-case. No. 52,735; Dec. 10; v. 257; p. 388.
Friedman, Hugo, Chicago, Ill. Lip-retractor. No. 52,566; Oct. 15; v. 255; p. 584.
Friedman, Hugo, Chicago, Ill. Lip-retractor. No. 52,645; Nov. 12; v. 256; p. 428.
Friedman, Jean L., New York, N. Y. Toy. Nos. 51,838–9; Mar. 5; v. 248; p. 211.
Friz, Dominic, Ramsay, Mich. Bird-cage. No. 52,474; Sept. 24; v. 254; p. 844.
Froehlich, Jesse, New York, N. Y. Automobile-tire. No. 52,026; May 7; v. 250; p. 239.

Alphabetical list of patentees of designs—Continued.

Gadsevitch, Michel B., Wilmington, Del. Badge. No. 52,386; Sept. 10; v. 254; p. 428.
Gaffin, Meyer, Detroit, Mich. Finger-ring. No. 52,788; Dec. 24; v. 257; p. 804.
Gaffney, James C., Seattle, Wash. Set of playing-cards. Nos. 52,432–5; Sept. 17; v. 254; p. 641.
Gaffney, Thomas J., Newark, N. J. Ear-protector. No. 52,820; Dec. 31; v. 257; p. 1063.
Gage, Henry P., and E. Pascucci, Corning, N. Y., assignors to Corning Glass Works. Headlight cover-glass. No. 52,436; Sept. 17; v. 254; p. 642.
Gage, Henry P., and E. Pascucci, Corning, N. Y., assignors to Corning Glass Works. Refracting cover-glass. No. 52,437; Sept. 17; v. 254; p. 642.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Jump-ring coupling. No. 52,132; July 2; v. 252; p. 223.
Gallaher, Edward B., Norwalk, Conn., assignor to Clover Manufacturing Co. Box. No. 52,387; Sept. 10; v. 254; p. 428.
Gallaher, Edward B., Norwalk, Conn. Container. No. 52,821; Dec. 31; v. 257; p. 1064.
Gardiner, William H., New York, N. Y. Badge, button, or similar article. No. 51,808; Feb. 26; v. 247; p. 945.
Gardner, Harlan P. (See Bear and Gardner.)
Gardner, Harlan P., and G. W. Bear, St. Paul, Minn. Pin, brooch, button, emblem, ring, or article of a similar nature. No. 52,646; Nov. 12; v. 256; p. 429.
Gary, Wilmuth, Washington, D. C. Flag, banner, pennant, sign, emblem, or article of a similar nature. No. 52,313; Aug. 27; v. 253; p. 928.
Gates, Theresa B., Richmond, Cal. Thread-cutting thimble. No. 52,012; May 7; v. 250; p. 236.
Gebhart, John C., assignor to The Econometer Co., St. Louis, Mo. Casing for measuring-machines or the like. No. 51,969; Apr. 16; v. 249; p. 723.
General Electric Company. (See Grant, Florence L., assignor.)
General Motors Corporation. (See Engler, William B., assignor.)
Giaimo, Mariano F., New Haven, Conn. Phonograph case or cabinet. No. 52,700; Nov. 19; v. 256; p. 619.
Giese, Richard S., Pittsburgh, Pa. Single-unit reflector. No. 51,690; Jan. 15; v. 246; p. 810.
Gilbert, Henry J., Saginaw, Mich. Soap-rest for washboards. No. 52,236; July 30; v. 252; p. 1128.
Gildner, Carl C., Los Angeles, Cal. Finger ring, brooch, or similar article of jewelry. No. 52,314; Aug. 27; v. 253; p. 928.
Gill Brothers Company. (See Beiswanger, John, assignor.)
Gillette, Noah H., Cortland, N. Y. Flag. No. 52,789; Dec. 24; v. 257; p. 804.
Gillig, Leo and C., San Francisco, Cal. Automobile-top. No. 52,610; Oct. 29; v. 255; p. 1038.
Gillinder & Sons. (See Booth, Kraft, assignor.)
Gillis, Chester. (See Gillis, Leo and C.)
Ginder, Wallace G., Los Angeles, Cal. Emblem. No. 52,315; Aug. 27; v. 253; p. 928.
Giuffre, James D., Brooklyn, N. Y. Flag, pennant, sign, emblem, or other article of a similar nature. No. 52,647; Nov. 12; v. 256; p. 429.
Glagnon, Joseph E., Philadelphia, and O. B. Anderson, Chester, assignors to Keystone Type Foundry, Philadelphia, Pa. Printer's-case stand. No. 52,095; June 11; v. 251; p. 443.
Glasman, Benjamin, Brooklyn, N. Y. Watch-case. No. 52,316; Aug. 27; v. 253; p. 928.
Goddard, George E., assignor to Dodge Brothers, Detroit, Mich. Automobile-body. Nos. 51,979–80; Apr. 23; v. 249; p. 966.
Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Overflow and waste fixture. No. 52,040; May 14; v. 250; p. 492.
Goodall, Harry H. (See McKinley and Goodall.)
Gooding, Reginald L., Barbados Island, British West Indies. Back for playing-cards or similar articles. No. 51,724; Feb. 5; v. 247; p. 216.
Goodwin, John E., Stoke-upon-Trent, assignor to Josiah Wedgwood & Sons Ltd., Etruria, England. Dish. No. 52,648; Nov. 12; v. 256; p. 429.
Goodyear's Metallic Rubber Shoe Co., The. (See Haynes, Charles R., assignor.)
Goodyear Tire & Rubber Company, The. (See Hale, James E., assignor.)
Goodyear Tire & Rubber Company, The. (See Landon, Chauncey L., assignor.)
Goodyear Tire & Rubber Company, The. (See Shively, Walter E., assignor.)
Gordon, William S., New York, N. Y. Decorative textile fabric. No. 51,882; Mar. 19; v. 248; p. 745.
Gorham Manufacturing Company. (See Burton, Edward, assignor.)
Gorham Manufacturing Company. (See Staf, Axel H., assignor.)
Gorod, Nicholas, Brooklyn, N. Y. Ring. No. 52,790; Dec. 24; v. 257; p. 804.
Gothberg, Bernard, Westfield, N. J. Lighting-fixture. No. 51,781; Feb. 19; v. 247; p. 723.
Goudy, Frederic W., Forest Hills Gardens, N. Y., assignor to American Type Founders Company, Jersey City, N. J. Font of type. Nos. 51,958–9; Apr. 9; v. 249; p. 490.
Graff, David L., New York, N. Y. Smoker's outfit. No. 52,736; Dec. 10; v. 257; p. 388.
Grant, Florence L., Monaca, Pa., assignor to General Electric Company. Shade, reflector, or similar article. No. 51,883; Mar. 19; v. 248; p. 745.
Graul, William F., Northampton, Mass., assignor to Florence Manufacturing Company. Tooth-brush handle. Nos. 52,388–90; Sept. 10; v. 254; pp. 428–9.
Green, Dallas F., Fort Wayne, Ind. Finger-ring or similar article. No. 51,981; Apr. 23; v. 249; p. 966.
Greenberg, Sol., Chicago, Ill. Hat or similar article. No. 52,112; June 18; v. 251; p. 657.
Greene, Frank R. (See Ball, James W., assignor.)
Greenspan, Marius. (See McDevitt and Greenspan.)
Grether, William, Dayton, Ohio. Portable electric lantern. No. 52,237; July 30; v. 252; p. 1128.
Grether, William, Dayton, Ohio. Portable electric lantern. No. 52,391; Sept. 10; v. 254; p. 429.
Grether, William, Dayton, Ohio. Portable electric lantern. No. 52,567; Oct. 15; v. 255; p. 584.
Grey Iron Casting Company. (See Sander, Alfred H., assignor.)
Grindley, William H., Stone, England, assignor to Wm. S. Pitcairn Corporation. Dish. No. 51,678; Jan. 8; v. 246; p. 550.
Groh, Albert A., Portland, Oreg. Railway-spike. No. 52,511; Oct. 1; v. 255; p. 143.
Gross, Miriam, assignor to M. P. Rae, Chicago, Ill. Dress. Nos. 52,268–70; Aug. 20; v. 253; p. 719.
Grossman, Manassa, New York, N. Y. Patriotic badge or pendant. No. 51,840; Mar. 5; v. 248; p. 211.
Grote, Walter. (See Adamson, Cecil F., assignor.)
Groth, Louis J., Piqua, Ohio. Identification-tag. No. 52,392; Sept. 10; v. 254; p. 429.
Grothe, Walter, Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric-battery anode. No. 52,215; July 23; v. 252; p. 942.
Gruen, Frederick G., assignor to The D. Gruen Sons & Company, Cincinnati, Ohio. Clasp for bands and straps. No. 52,649; Nov. 12; v. 256; p. 429.
Grummon, Josiah D., New York, N. Y., assignor to Dodd, William Manufacturing Company, Inc., Newark, N. J. Spark-plug. No. 51,982; Apr. 23; v. 249; p. 966.
Gruntman, Ladislav, Chicago, Ill. Grater-casing. No. 52,475; Sept. 24; v. 254; p. 844.
Gryphon Rubber and Tire Corporation. (See Jones, Joseph W., assignor.)
Guarantee Liquid Measure Company. (See MacKenzie and Crowder, assignors.)
Guca, Duro, Chicago, Ill. Hinge. No. 52,476; Sept. 24; v. 254; p. 844.
Guth, Edwin F., assignor to Luminous Unit Company, St. Louis, Mo. Lighting-fixture. No. 51,983; Apr. 23; v. 249; p. 967.
Guth, Edwin F., St. Louis, Mo. Lighting-fixture. No. 52,477; Sept. 24; v. 254; p. 844.
Guth, Edwin F., assignor to Luminous Unit Co., St. Louis, Mo. Lighting-fixture. No. 52,611; Oct. 29; v. 255; p. 1038.
H. Lederer & Bro. (See Carroll, Henry J., assignor.)
H. G. Felterolf Co. (See Rorheimer, Louis, assignor.)
Haas, Victor E., assignor of one-half to S. E. Starr, Toledo, Ohio. Carbureter-shell. No. 51,858; Mar. 12; v. 248; p. 480.
Hagemans, Marguerite, Philadelphia, Pa. Doll. No. 52,737; Dec. 10; v. 257; p. 389.
Hale, Frank M., and F. C. McLaughlin, Kent, Ohio. Tire. No. 52,055; May 28; v. 250; p. 978.
Hale, James E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. No. 52,650; Nov. 12; v. 256; p. 429.
Hale, James E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. No. 52,701; Nov. 19; v. 256; p. 619.
Hallam, Walter E., Pawtucket, R. I. Patriotic emblem. No. 52,478; Sept. 24; v. 254; p. 845.
Hallgreen, Brown V., Trenton, N. J. Hose. Nos. 52,568–71; Oct. 15; v. 255; pp. 584–5.
Hammond, Myron B., Bridgeport, Conn. Man's garter. Nos. 52,133–5; July 2; v. 252; p. 223.
Hammond, William P., Passaic, N. J. Ornament for automobile-radiator caps. No. 52,528; Oct. 8; v. 255; p. 348.
Hand, Jay A. (See Kuhn and Hand.)
Hanson, Eugene I., New Rochelle, assignor to H. R. Mallinson & Co., New York, N. Y. Color-display card. No. 52,651; Nov. 12; v. 256; p. 429.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Scale-casing. No. 52,768; Dec. 17; v. 257; p. 629.
Hargrave, John M., Cincinnati, Ohio. Tool-handle. No. 51,641; Jan. 1; v. 246; p. 275.
Harper, Bascum H. (See Baird and Harper.)
Harrison, George L., East Cleveland, Ohio. Spout for cooking utensils. No. 52,317; Aug. 27; v. 253; p. 928.
Hartman, Albert L. (See Chipps and Hartman.)
Harvey, Frank W., Jr., Chicago, Ill. Pocket-case. No. 52,176; July 16; v. 252; p. 724.
Hastings, Harold P., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical-conduit outlet-box. No. 51,960; Apr. 9; v. 249; p. 491.
Hatch, William F., assignor to The Palmolive Company, Milwaukee, Wis. Soap-dispenser. No. 51,691; Jan. 15; v. 246; p. 810.

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Haupt, Harry, Elmsford, N. Y., assignor to Kimpton, Haupt & Co., New York, N. Y. Pen-rack. No. 52,216; July 23; v. 252; p. 942.
Haward, Sidney, Chiswick, London, England, assignor to Witcombe, McGeachin and Company, New York, N. Y. Article of manufacture. No. 52,479; Sept. 24; v. 254; p. 845.
Hawthorne, Ellsworth A., Bridgeport, Conn. Lens. No. 51,725; Feb. 5; v. 247; p. 216.
Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-casing. No. 52,073; June 4; v. 251; p. 213.
Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-casing. No. 52,512; Oct. 1; v. 255; p. 144.
Haynes, Charles R., Naugatuck, Conn., assignor to The Goodyear's Metallic Rubber Shoe Co. Sole. No. 52,217; July 23; v. 252; p. 942.
Hazeltine, Harry H., Tacoma, Wash. Pneumatic tire. No. 52,822; Dec. 31; v. 257; p. 1064.
Healey, Warren M., New York, N. Y. Door-handle. No. 51,961; Apr. 9; v. 249; p. 491.
Healund, Beda, *et al.* (See McPhaden, Alexander, assignor.)
Heath, Thomas, assignor to C. H. Eden Company, Attleboro, Mass. Patriotic badge. No. 52,791; Dec. 24; v. 257; p. 804.
Heathcote, Edwin C., Brooklyn, N. Y. Emblem, brooch, ring-top, lavallière, button, or similar article. No. 52,218; July 23; v. 252; p. 942.
Hebbard, Harrison, East Orange, N. J., assignor to Dominick & Haff, New York, N. Y. Handle for a spoon, fork, or similar article. No. 52,113; June 18; v. 251; p. 657.
Heckmann, Harry G., Binghamton, assignor to The Central Flatiron Mfg. Co., Johnson City, N. Y. Gas-heated flat-iron. No. 51,859; Mar. 12; v. 248; p. 480.
Hector, Leonard C., and C. E. Davis, assignors of one-third to R. H. McFarland, Toronto, Ontario, Canada. Electric fire-log. No. 52,318; Aug. 27; v. 253; p. 929.
Heimberg, Samuel, Chelsea, Mass. Wrist-watch protector. No. 52,271; Aug. 20; v. 253; p. 719.
Hemen, Amandus P., Waterloo, Iowa. Rack for hosiery. No. 52,738; Dec. 10; v. 257; p. 389.
Heisey & Co., A. H. (See Balda, Joseph O., assignor.)
Heisey & Co., A. H. (See Heisey, Thomas C., assignor.)
Heisey & Co., A. H. (See Sanford, Andrew J., assignor.)
Heisey, Thomas C., assignor to A. H. Heisey & Co., Newark, Ohio. Glass vessel. No. 51,984; Apr. 23; v. 249; p. 967.
Heisey, Thomas C., assignor to A. H. Heisey & Co., Newark, Ohio. Cream-pitcher. No. 52,572; Oct. 15; v. 255; p. 585.
Heisey, Thomas C., assignor to A. H. Heisey & Co., Newark, Ohio. Goblet. No. 52,652; Nov. 12; v. 256; p. 430.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Scale-casing. No. 51,692; Jan. 15; v. 246; p. 810.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Scale-casing. No. 51,809; Feb. 26; v. 247; p. 446.
Hendrickson, Walter H., assignor to A. C. Clark & Co., Chicago, Ill. Fire-extinguisher. No. 52,739; Dec. 10; v. 257; p. 389.
Henne, Isabelle, Brooklyn, N. Y. Tread-plate for shoe-heels. No. 52,529; Oct. 8; v. 255; p. 348.
Henry Hyman & Co. (See Rothenberg, Walter, assignor.)
Herhold, Frederick H., Chicago, Ill. Bent-stock chair. No. 51,884; Mar. 19; v. 248; p. 745.
Herhold, Frederick H., Chicago, Ill. Bent-stock chair. No. 52,792; Dec. 24; v. 257; p. 804.
Herzog, John, Saginaw, Mich. Phonograph-cabinet. No. 52,393; Sept. 10; v. 254; p. 429.
Hewitt, Arthur F., and H. F. Waters, Denver, Colo. Vehicle-body. No. 52,740; Dec. 10; v. 259; p. 389.
Hewitt, Herbert H., assignor to Hewitt Rubber Company, Buffalo, N. Y. Resilient tire. Nos. 51,898–9; Mar. 26; v. 248; 987.
Hewitt, Herbert H., Buffalo, N. Y. Resilient tire. No. 52,573; Oct. 15; v. 255; p. 585.
Hewitt Rubber Company. (See Hewitt, Herbert H., assignor.)
Heylmann, Charles J., Chicago, Ill. Game-board. No. 52,394; Sept. 10; v. 254; p. 429.
Hickson, Richard J., New York, N. Y. Garment for ladies. No. 52,319; Aug. 27; v. 253; p. 929.
Hill, Frederick E., Hastings, Mich. Knitting-stand. No. 52,530; Oct. 8; v. 255; p. 349.
Hillbom, Henrik, Wallingford, Conn., assignor to The Associated Silver Company, Chicago, Ill. Spoon, fork, or similar article. No. 52,769; Dec. 17; v. 257; p. 629.
Hine, Cicero, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Grille for talking-machine cabinets. Nos. 52,395–9; Sept. 10; v. 254; p. 430.
Hobe Button Company. (See Hobe, William W., assignor.)
Hobe, William W., New York, N. Y., assignor to Hobe Button Company, Inc. Button. No. 52,531; Oct. 8; v. 255; p. 349.
Hodge, Alfred R., Chicago, Ill. Portable exterior front of an amusement booth or building. No. 52,741; Dec. 10; v. 257; p. 389.
Hodges, Charles J., assignor to The Long-Wear Rubber Company, Elyria, Ohio. Vehicle-tire. No. 52,114; June 18; v. 251; p. 658.
Hoffman, Edmund, Brooklyn, assignor to American Can Company, New York, N. Y. Container No. 52,320; Aug. 27; v. 253; p. 929.
Hoffman, Edmund, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y. Powder-receptacle. No. 52,480; Sept. 24; v. 254; p. 845.
Hoffman, Edmund, Brooklyn, assignor to American Can Company, New York, N. Y. Powder-container. No. 52,793; Dec. 24; v. 257; p. 804.
Hogan, Michael J., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Advertising-tablet. No. 52,136; July 2; v. 252; p. 223.
Hollweg, Ferdinand L., and C. Firth, assignors to Mutual China Co., Indianapolis, Ind. China tableware article. No. 52,653; Nov. 12; v. 256; p. 430.
Holmes, Arthur, Canton, Ohio. Hood-front for automobiles. No. 51,841; Mar. 5; v. 248; p. 211.
Holmes, Arthur, Canton, Ohio. Automobile-body. No. 51,885; Mar. 19; v. 248; p. 745.
Holstein, Adolph M., Syracuse, N. Y. Border ornament for furniture, caskets, and interior and exterior decorations. No. 52,074; June 4; v. 251; p. 213.
Holstein, Adolph M., Syracuse, N. Y. Manufactured pediment figure for furniture and caskets and for interior and exterior decorations. No. 52,075; June 4; v. 251; p. 214.
Holstein, Adolph M., Syracuse, N. Y. Manufactured figure for brackets for furniture and caskets and for interior and exterior decorations. No. 52,076; June 4; v. 251; p. 214.
Holstein, Adolph M., Syracuse, N. Y. Manufactured figure for furniture and casket decorations and for interior and exterior decorations. No. 52,077; June 4; v. 251; p. 214.
Holstein, Adolph M., Syracuse, N. Y. Furniture, casket, interior, or exterior decoration. Nos. 52,096–8; June 11; v. 251; p. 443.
Holstein, Adolph M., Syracuse, N. Y. Manufactured figure for furniture and casket decorations and for interior and exterior decorations. No. 52,099; June 11; v. 251; p. 443.
Holstein, Adolph M., Syracuse, N. Y. Panel for furniture, caskets, and interior and exterior decorations. No. 52,160; July 9; v. 252; p. 483.
Holstein, Adolph M., Syracuse, N. Y. Pilaster for furniture, casket, interior or exterior decoration. No. 52,161; July 9; v. 252; p. 483.
Holstein, Adolph M., Syracuse, N. Y. Border ornament for furniture, casket, interior or exterior decoration. Nos. 52,162–4; July 9; v. 252; pp. 483, 484.
Holstein, Adolph M., Syracuse, N. Y. Corner ornament for furniture, caskets, and interior and exterior decorations. No. 52,165; July 9; v. 252; p. 484.
Holstein, Adolph M., Syracuse, N. Y. Furniture, casket, interior or exterior decoration. No. 52,166; July 9; v. 252; p. 484.
Holstein, Adolph M., Syracuse, N. Y. Decorative figure for furniture, caskets, or similar articles. No. 52,438; Sept. 17; v. 254; p. 642.
Holstein, Adolph M., Syracuse, N. Y. Manufactured frieze or border-figure for furniture, casket, or similar articles. No. 52,439; Sept. 17; v. 254; p. 642.
Holstein, Adolph M., Syracuse, N. Y. Decorative trimming for furniture, caskets, or similar articles. Nos. 52,440–51; Sept. 17; v. 254; pp. 642–4.
Holstein, Adolph M., Syracuse, N. Y. Manufactured plaque or similar figure for furniture, caskets, and building walls and ceilings. Nos. 52,532–5; Oct. 8; v. 255; p. 349.
Holstein, Adolph M., Syracuse, N. Y. Furniture, casket, interior or exterior decoration. No. 52,574; Oct. 15; v. 255; p. 585.
Holstein, Adolph M., Syracuse, N. Y. Panel for furniture and caskets and for interior and exterior decorations. No. 52,575; Oct. 15; v. 255; p. 586.
Holstein, Adolph M., Syracuse, N. Y. Manufactured pediment figure for furniture, casket, interior or exterior decoration. No. 52,576; Oct. 15; v. 255; p. 586.
Holstein, Adolph M., Syracuse, N. Y. Manufactured figure for furniture, casket, interior or exterior decoration. No 52,577; Oct. 15; v. 255; p. 586.
Holstein, Adolph M., Syracuse, N. Y. Manufactured figure for furniture and casket decorations and for interior and exterior decorations. No. 52,654; Nov. 12; v. 256; p. 430.
Holstein, Adolph M., Syracuse, N. Y. Panel ornament for furniture, casket, interior, or exterior decoration. Nos. 52,655–6; Nov. 12; v. 256; p. 430.
Holstein, Adolph M., Syracuse, N. Y. Manufactured figure for furniture, casket, interior or exterior decorations. No. 52,742; Dec. 10; v. 257; p. 389.
Holstein, Adolph M., Syracuse, N. Y. Furniture, casket, interior or exterior decoration. No. 52,743; Dec. 10; v. 257; p. 390.
Holstein, Adolph M., Syracuse, N. Y. Panel for furniture and caskets and for interior and exterior decorations. No. 52,744; Dec. 10; v. 257; p. 390.
Holstein, Adolph M., Syracuse, N. Y. Post ornament for furniture, caskets, and for interior and exterior decorations. No. 52,745; Dec. 10; v. 257; p. 390.

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Holstein, Adolph M., Syracuse, N. Y. Manufactured interior or exterior decoration. No. 52,746; Dec. 10; v. 257; p. 390.
Holstein, Adolph M., Syracuse, N. Y. Furniture, casket, figure for furniture and casket decorations and for interior and exterior decorations. No. 52,747; Dec. 10; v. 257; p. 390.
Holstein, Adolph M., Syracuse, N. Y. Post ornament for furniture, caskets, and interior and exterior decoration. No. 52,748; Dec. 10; v. 257; p. 390.
Holstein, Adolph M., Syracuse, N. Y. Furniture, casket, interior or exterior decoration. Nos. 52,794–6; Dec. 24; v. 257; p. 805.
Hooper, Frederick E. (See White and Hooper.)
Hoover, Howard E., Chicago, Ill., assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Brush for suction-cleaners and the like. No. 52,238; July 30; v. 252; p. 1128.
Hoover Suction Sweeper Company, The. (See Hoover, Howard E., assignor.)
Hotz, John P., Watertown, Mass. Fan and clock case. No. 52,578; Oct. 15; v. 255; p. 586.
Houston, Edward D., Worcester, Mass. Article of manufacture. No. 52,770; Dec. 17; v. 257; p. 629.
Howard, Percy H., Cambridge, Mass. Front plate for headlights. No. 51,970; Apr. 16; v. 249; p. 723.
Howland, Annette F., Newton, Mass. Tray. No. 52,657; Nov. 12; v. 256; p. 430.
Huben, Gustav A., Chicago, Ill. Rubber heel. No. 52,137; July 2; v. 252; p. 223.
Huber, Alice P., assignor to F. Meyer, New York, N. Y. Lace. Nos. 51,726–8; Feb. 5; v. 247; pp. 216–17.
Huber, Alice P., assignor to Felix Meyer, New York, N. Y. Lace. No. 52,138; July 2; v. 252; p. 224.
Hudson Motor Car Company. (See Baits, Stuart G., assignor.)
Hughes, Edmund E., Kansas City, Mo. Pin. No. 52,658; Nov. 12; v. 256; p. 431.
Humbert, Richard E., Montclair, N. J. Toy head-block. No. 52,239; July 30; v. 252; p. 1128.
Humbert, Richard E., Montclair, N. J. Toy head-block. No. 52,659; Nov. 12; v. 256; p. 431.
Humbert, Richard E., Montclair, N. J. Toy head-block. No. 52,823; Dec. 31; v. 257; p. 1064.
Humphrey, Alfred H., New York, N. Y. Gas-stove. No. 51,642; Jan. 1; v. 246; p. 275.
Humphrey, Elizabeth, Cincinnati, Ohio. Sewing-cabinet. No. 52,219; July 23; v. 252; p. 942.
Hymer, Harry E., Mamaroneck, assignor to Maddock & Miller, New York, N. Y. Dish. Nos. 52,272–5; Aug. 20; v. 253; p. 719.
Icy-Hot Bottle Company, The. (See Altenberg, George P., assignor.)
Imperial Brass Manufacturing Company, The. (See Hogan, Michael J., assignor.)
Incandescent Supply Company. (See Jankelson, Samuel, assignor.)
Incandescent Supply Company. (See Newland, Barnet, assignor.)
Indiana Rubber & Insulated Wire Co. (See Musselman, Alvin J., assignor.)
Indiana Rubber & Insulated Wire Company. (See Seiberling, Albert F., assignor.)
Inflexible Co. (See Schwarber, Henry, assignor.)
Interboro Medal & Badge Mfg. Co. (See Brown, Ames T., assignor.)
International Silver Co. (See Kintz, Alfred G., assignor.)
International Silver Co. (See Kintz, Robert R., assignor.)
International Silver Co. (See Pretat, Frederick E., assignor.)
International Silver Co. (See Shanley, Thomas A., assignor.)
International Silver Company. (See Berry, George H., assignor.)
Irwin, Beatrice, New York, N. Y. Light-filter. No. 52,400; Sept. 10; v. 254; p. 430.
Irwin, Beatrice, New York, N. Y. Light-filter. No. 52,660; Nov. 12; v. 256; p. 431.
Irwin-Hodson Company. (See Bronner, Frederick H., assignor.)
Ivoryloid Co., The. (See Schaffer, Frank H., assignor.)
J. A. Schwartz Company. (See Skipp, Herbert J. A., assignor.)
J. B. Williams Company, The. (See Williams, Philip K., assignor.)
J. C. Demarest & Co. (See Demarest, James C., assignor.)
J. H. Williams & Co. (See Trabold, Frank W., assignor.)
J. M. Fisher Company. (See Cloutier, Walter J., assignor.)
J. T. Morton Gum Co. (See Morton, James T., assignor.)
Jackson, Marion W., Philadelphia, Pa., assignor to E. Desfosse, Paris, France. Tapestry or wall-covering. No. 51,782; Feb. 19; v. 247; p. 723.
Jacoby, Leo D., assignor to Sanispoon Company, Boston, Mass. Tongue-depressor. No. 52,766; Dec. 17; v. 257; p. 628.
Jacot, Louis, Birmingham, England. Wristlet-watch cover. No. 52,220; July 23; v. 252; p. 942.
Jaeger, Otto, Elkins Park, Pa., assignor to H. S. Kelsey, Lexington, Mass. Front for vending-machines. Nos. 52,481–2; Sept. 24; v. 254; pp. 845–6.
Jaegers, Albert, Suffern, N. Y. Memorial article. No. 52,797; Dec. 24; v. 257; p. 805.
Jafferian, Kinias M., New York, N. Y. Doll. No. 52,798; Dec. 24; v. 257; p. 805.
James H. Boye Manufacturing Company. (See Boye, James H., assignor.)
James, Sidney V., Niagara Falls, N. Y., assignor to Wm. A. Rogers, Limited, Toronto, Canada. Handle for a spoon, fork, or similar article. No. 52,579; Oct. 15; v. 255; p. 586.
Jankelson, Samuel, Rockaway Beach, assignor to Incandescent Supply Company, New York, N. Y. Lamp-canopy. No. 52,056; May 28; v. 250; p. 978.
Jankelson, Samuel, Rockaway Beach, assignor to Incandescent Supply Company, New York, N. Y. Lamp-socket cover. No. 52,057; May 28; v. 250; p. 978.
Jankelson, Samuel, Rockaway Beach, assignor to Incandescent Supply Company, New York, N. Y. Ring for lamp-bowl holders. No. 52,221; July 23; v. 252; p. 943.
Jankelson, Samuel, Rockaway Beach, assignor to Incandescent Supply Company, New York, N. Y. Lamp-shell body. No. 52,452; Sept. 17; v. 254; p. 644.
Januchowsky, John, St. Louis, Mo. Bottle-cap remover. No. 51,962; Apr. 9; v. 249; p. 491.
Jarrell, John F., Delton, Va. Toy. No. 51,924; Apr. 2; v. 249; p. 219.
Jenks, Barton P., Providence, R. I., assignor to Wm. B. Durgin Co., Concord, N. H. Fork, spoon, or similar article. No. 52,050; May 21; v. 250; p. 752.
Jerome, William T., *et al.*, executors. (See Dietz, Fred.)
Johanson, Emil T. (See Arndt, George A., assignor.)
Johns, Nesralla, San Jose, Cal. Savings-bank. No. 52,824; Dec. 31; v. 257; p. 1064.
Johnson, Adam E., Jersey City, assignor to Ferguson Brothers Mfg. Co., Hoboken, N. J. Yarn-holder for knitting. No. 51,925; Apr. 2; v. 249; p. 219.
Johnson, Harry L., assignor to Endicott, Johnson & Company, Johnson City, N. Y. Shoe-sole. No. 51,643; Jan. 1; v. 246; p. 275.
Johnson, Harry L., assignor to Endicott, Johnson & Company, Johnson City, N. Y. Shoe. Nos. 51,644–6; Jan. 1; v. 246; pp. 275–6.
Johnston, George W., Seattle, Wash. Book-support. No. 52,276; Aug. 20; v. 253; p. 720.
Johnston, George L., and L. A. Kyger, Windsor, Canada. Patriotic advertising novelty. No. 52,580; Oct. 15; v. 255; p. 587.
Jolly, Benjamin R., Raleigh, N. C. Badge, charm, stick-pin, flag, sign, fob, or emblem. No. 51,679; Jan. 8; v. 246; p. 550.
Jones, Charles E., Chicago, Ill. Chandelier-chain terminal. No. 51,810; Feb. 26; v. 247; p. 946.
Jones, Charles E., Chicago, Ill. Clamps for light-reflecting bowls. No. 51,811; Feb. 26; v. 247; p. 946.
Jones, Joseph W., assignor to Gryphon Rubber and Tire Corporation, New York, N. Y. Tire. No. 51,783; Feb. 19; v. 247; p. 724.
Jones, William F., and W. Kellum, Wilmington, N. C. Advertising-cabinet. No. 52,167; July 9; v. 252; p. 484.
Joseph Fahys & Company. (See Kaupmann, Frederick, assignor.)
Joseph W. Woods & Sons Company. (See Curtis, Edgar F., assignor.)
Josiah Wedgwood & Sons. (See Goodwin, John E., assignor.)
Joslin, William H., South Scituate, R. I. Box. No. 52,767; Dec. 17; v. 257; p. 629.
Joy, Francis B., and C. H. Vogel, assignors to The Detroit Heating & Lighting Company, Detroit, Mich. Bunsen burner. No. 52,321; Aug. 27; v. 253; p. 929.
Kafka, Richard A., assignor to Shuttleworth Bros. Co., Amsterdam, N. Y. Rug, carpet, or similar article. No. 51,842; Mar. 5; v. 248; p. 211.
Kanzee, Austin, Berkeley, Cal. Tire. Nos. 52,702–4; Nov. 19; v. 256; p. 620.
Karpeles, Maurice J., Providence, R. I. Display-stand. No. 52,240; July 30; v. 252; p. 1128.
Karpeles, Maurice J., Providence, R. I. Display-stand. No. 52,799; Dec. 24; v. 257; p. 805.
Karpen, Henry C., Brooklyn, N. Y. Watch-charm or similar article. No. 51,985; Apr. 23; v. 249; p. 967.
Katakawa, Hideji, and K. Maejima, New York, N. Y. Incense-burner. No. 52,322; Aug. 27; v. 253; p. 929.
Kaufman, August F., Wheeling, W. Va. Statuette or table ornament. No. 52,277; Aug. 20; v. 253; p. 720.
Kaupmann, Frederick, Brooklyn, assignor to Joseph Fahys & Company, New York, N. Y. Spoon, fork, or similar article. No. 52,168; July 9; v. 252; p. 485.
Kearney, Philip. (See Temple and Kearney.)
Keller, Joseph F., New York, N. Y. Tracer and cutter frame for die-sinking machines. No. 51,900; Mar. 26; v. 248; p. 987.
Kellum, Woodus. (See Jones and Kellum.)
Kelly, Edward J. (See Ford, Pew, and Kelly.)
Kelly, Kieran A., New York, N. Y. Banner. No. 51,812; Feb. 26; v. 247; p. 946.
Kelsey, Harry S. (See Jaeger, Otto, assignor.)
Kendall, William G., Newark, N. J. Rouge-container. Nos. 52,041–2; May 14; v. 250; p. 493.

Alphabetical list of patentees of designs—Continued.

Kendig, Julian H., Pittsburgh, Pa. Strain-insulator. No. 52,139; July 2; v. 252; p. 224.
Keystone Type Foundry. (See Glagnon and Anderson, assignors.)
Kibble, John, Richmond, Va. Weather-vane. No. 52,252; Aug. 6; v. 253; p. 242.
Kieffer, Eugene T., Philadelphia, Pa., assignor to Victor Talking Machine Company. Cabinet for a talking-machine. Nos. 51,693–4; Jan. 15; v. 246; pp. 810–11.
Kimpton, Haupt & Co. (See Haupt, Harry, assignor.)
King, Dwight D., Hot Springs, Ark. Vehicle-lamp. No. 51,901; Mar. 26; v. 248; p. 988.
King, Louise C., assignor to The F. W. King Optical Company, Cleveland, Ohio. Pair of goggles. No. 52,323; Aug. 27; v. 253; p. 929.
King, Rufus, Plainville, assignor to Bugbee and Niles Co., North Attleboro, Mass. Clasp or buckle for straps or ribbons of wrist-watches. Nos. 51,860–1; Mar. 12; v. 248; p. 480.
Kintz, Alfred G., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 52,222; July 23; v. 252; p. 943.
Kintz, Robert R., assignor to International Silver Co., Meriden, Conn. Pitcher or similar article. No. 52,324; Aug. 27; v. 253; p. 929.
Kintz, Robert R., assignor to International Silver Co., Meriden, Conn. Teapot or similar article. No. 52,325; Aug. 27; v. 253; p. 930.
Kirk, Walter I., assignor to Lyon & Healy, Chicago, Ill. Finger-rest for stringed instruments. No. 52,661; Nov. 12; v. 256; p. 431.
Klein, Edward S., Meriden, Conn. Burial-casket handle. No. 52,043; May 14; v. 250; p. 493.
Klein, Max, assignor to The Morreau Company, Cleveland, Ohio. Arm for a lighting-fixture. No. 51,862; Mar. 12; v. 248; p. 480.
Knepfer, Ada, Yonkers, N. Y. Doll. No. 51,926; Apr. 2; v. 249; p. 219.
Knuckey, John E., Chicago, Ill. Rope-clutch. No. 52,662; Nov. 12; v. 256; p. 431.
Koonz, Frederick W., Greenfield, Mass. Brooch-pin or similar article of jewelry. No. 51,886; Mar. 19; v. 248; p. 745.
Koppelman, Harold I. (See Bruder, Edmund, assignor.)
Korn, Oscar, Detroit, Mich. Washboard. No. 52,483; Sept. 24; v. 254; p. 846.
Kovell, Henry, Oakland, Cal. Phonograph-cabinet. No. 52,536; Oct. 8; v. 255; p. 350.
Kraft, Emil J., Racine, Wis., assignor to Ajax Rubber Company, Inc., New York, N. Y. Tire. No. 51,994; Apr. 30; v. 249; p. 1197.
Kraus, Adelbert, assignor to L. Levi, New York, N. Y. Lamp-shade or similar plaited article. No. 52,513; Oct. 1; v. 255; p. 144.
Kraus, Jay L., assignor to Albert Pick & Company, Chicago, Ill. Bread and butter plate. No. 52,278; Aug. 20; v. 253; p. 720.
Krauss, Leopold, Indianapolis, Ind. Scottish-rite ring. No. 52,326; Aug. 27; v. 253; p. 930.
Krementz & Co. (See Brown, Arthur C., assignor.)
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electric cooker. No. 52,327; Aug. 27; v. 253; p. 930.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electrical-heater guard. No. 52,328; Aug. 27; v. 253; p. 930.
Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electrical heater. No. 52,453; Sept. 17; v. 254; p. 644.
Kupper, Herman C. (See Beyrand, André, assignor.)
Kyger, Leslie A. (See Johnston and Kyger.)
La Crosse Rubber Mills Company. (See Bott, Edgar S., assignor.)
La Pierre, Frank H., East Orange, N. J. Back for mirrors, brushes, and similar articles. No. 52,771; Dec. 17; v. 257; p. 629.
Labudde, Robert, Fellows, Cal. Match-box. No. 52,253; Aug. 6; v. 253; p. 242.
Lacouture, Henry C., Arlington, N. J., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,784; Feb. 19; v. 247; p. 724.
Laing, Charles H., Racine, Wis. Clothes-tray. No. 52,537; Oct. 8; v. 255; p. 350.
Lake, Harvey Y. (See Chester and Lake.)
Landers, Frary & Clark. (See Curtiss, George E., assignor.)
Landon, Chauncey L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire. No. 52,749; Dec. 10; v. 257; p. 391.
Lane Bryant Inc. (See Malsin, Albert, assignor.)
Lapham, Charles W., Jr., Phoenix, Ariz. Jewelry pin, brooch, or similar article for personal wear. No. 52,279; Aug. 20; v. 253; p. 720.
Large, Samuel J., Bristol, Conn. Handle for a spoon, fork, or similar article. No. 51,785; Feb. 19; v. 247; p. 724.
Lawson, Lindley S., assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Heating-stove. No. 52,058; May 28; v. 250; p. 978.
Lawson Manufacturing Company. (See Lawson, Lindley S., assignor.)
Lawton, Joseph, Trenton, N. J. Grave-marker. No. 51,647; Jan. 1; v. 246; p. 276.
Le Braun, Anthony R., Phoenix, Ariz. Article of manufacture. No. 52,800; Dec. 24; v. 257; p. 805.
Le Bron, Frank, Flushing, assignor to United Jewelers, Inc., New York, N. Y. Spoon, fork, or similar article. No. 52,581; Oct. 15; v. 255; p. 587.
Leab, Herbert J., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. No. 52,329; Aug. 27; v. 253; p. 930.
Leach, James E., Lawton, Okla. Door stop and fastener. No. 52,825; Dec. 31; v. 257; p. 1064.
Lee, Joseph, Boston, Mass. Badge or emblem. No. 52,801; Dec. 24; v. 257; p. 805.
Leeks, George A., assignor to Stopglare, Limited, Hamilton, Ontario, Canada. Headlight-lens. No. 51,648; Jan. 1; v. 246; p. 276.
Leff, Jacques H., and R. H. Spira, New York, N. Y. Badge. No. 52,140; July 2; v. 252; p. 224.
Lehman, Max R., Quincy, Ill., assignor to Steiger & Kerr Stove & Foundry Company, San Francisco, Cal. Stove. No. 52,141; July 2; v. 252; p. 224.
Leistner, Oscar, Chicago, Ill. Basket. No. 52,484; Sept. 24; v. 254; p. 846.
Leith, Alexander B. (See Arney, John W., assignor.)
Lemke, Louis A., assignor to Patent Novelty Company, Chicago, Ill. Wall-rack. No. 52,485; Sept. 24; v. 254; p. 846.
Leon, Leon S., Chicago, Ill. Inhaler. No. 51,813; Feb. 26; v. 247; p. 946.
Leonard, Joseph E., Cedar Rapids, Iowa. Range. No. 52,454; Sept. 17; v. 254; p. 644.
Levatt, Bernard. (See Detreux and Levatt.)
Levett, Edith E., New York, N. Y. Covering for dolls, calendars, pads, blotters, cards, or similar article. No. 52,802; Dec. 24; v. 257; p. 806.
Levi, Louis. (See Krauss, Adalbert, assignor.)
Levi Strauss & Co. (See Davis, Simon E., assignor.)
Levi Strauss & Co. (See Ferguson, Clara, assignor.)
Levin, Louis, Portsmouth, Va. Bottle. No. 51,927; Apr. 2; v. 249; p. 219.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. No. 52,027; May 7; v. 250; p. 239.
Lewis, Theodore G., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental box-flask. No. 52,826; Dec. 31; v. 257; p. 1064.
Liebau, Richard, Berkley Heights, N. J., assignor to Ruth Wyllys Chapter, Daughters of the American Revolution, Hartford, Conn. Emblem. No. 52,663; Nov. 12; v. 256; p. 431.
Lindanger, Jakob J. Sondre Lindanger, Skjoldestrommen, Norway. Medal. No. 51,863; Mar. 12; v. 248; p. 481.
Lindstrom, Smith Company. (See Deckert, Max, assignor.)
Link, Charles W., Los Angeles, Cal. Automobile-top. Nos. 51,680–1; Jan. 8; v. 246; p. 550.
Link, Charles W., Los Angeles, Cal. Automobile-top. Nos. 51,887–9; Mar. 19; v. 248; p. 746.
Link, Charles W., Los Angeles, Cal. Automobile-top. No. 52,142; July 2; v. 252; p. 224.
Lipsky, Norman, New York, assignor to Reliance Metal Spinning & Stamping Co., Inc., Brooklyn, N. Y. Lamp. Nos. 51,902–3; Mar. 26; v. 248; p. 988.
Livengood, Clarence E. (See Friedline, William H., assignor.)
Lobl, Frederick, Middleboro, Mass. Inhaler. No. 52,330; Aug. 27; v. 253; p. 930.
Loeb, William. (See Weiner and Loeb).
Loeb, William, Providence, R. I. Finger-ring or similar article. No. 51,814; Feb. 26; v. 247; p. 946.
Loehrig, William C., assignor to A. F. Way Company, Inc., Hartford, Conn. Adjustable stock-support. No. 52,100; June 11; v. 251; p. 444.
Loew, Mabelle G., New York, N. Y. Tire thread-block. No. 52,331; Aug. 27; v. 253; p. 931.
Long-Wear Rubber Company, The. (See Hodges, Charles J., assignor.)
Longfellow, Henry W., Boston, Mass. Child's vehicle. No. 52,241; July 30; v. 252; p. 1129.
Loomis, William H., Grand Rapids, Mich. Shoulder-strap. Nos. 52,280–1; Aug. 20; v. 253; p. 721.
Lords, Thaddeus J., assignor to Sears, Roebuck and Co., Chicago, Ill. Sheet-roofing. No. 52,538; Oct. 8; v. 255; p. 350.
Loring, Helene V. A., Chicago, Ill. Game-card. Nos. 52,612–15; Oct. 29; v. 255; pp. 1038–9.
Lovegrove, Norman H., Seattle, Wash. Finger-ring. No. 51,682; Jan. 8; v. 246; p. 550.
Lowe, Charles A., Green River, Ill. Hay-rack cleat. No. 52,664; Nov. 12; v. 256; p. 432.
Lukomski, Anthony. (See Lukomski, John B. and A.)
Lukomski, John B. and A., Detroit, Mich. Water-closet-bowl floor-plate. No. 52,059; May 28; v. 250; p. 978.
Luminous Unit Company. (See Guth, Edwin F., assignor.)
Luminous Unit Company. (See Murphy, Howard E., assignor.)
Lunt, George C., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon, fork, or similar article. No. 52,665; Nov. 12; v. 256; p. 432.

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Lutes, Keene, Danville, Ky. Road-sign. No. 52,332; Aug. 27; v. 253; p. 931.
Lyle, Alfred E., Armstrong, Mo. Well and cistern cover. No. 51,704; Jan. 22; v. 246; p. 1011.
Lynch, Edward J., assignor of one-half to J. Skinner, Flemington, N. J. Lamp-lens. No. 51,928; Apr. 2; v. 249; p. 219.
Lyon & Healy. (See Campbell, Donald, assignor.)
Lyon & Healy. (See Kirk, Walter I., assignor.)
Lyons, Stanley H., Providence, R. I. Ring. No. 51,864; Mar. 12; v. 248; p. 481.
MacKenzie, George W., Jr., Beaver, and R. Crowder, Edgewood, assignors to Guarantee Liquid Measure Company, Rochester, Pa. Liquid-dispensing-pump casing. No. 51,986; Apr. 23; v. 249; p. 967.
MacLachlan, Lachlan, Grand Rapids, Mich. Casing for sound-producing instruments. No. 51,653; Jan. 1; v. 246; p. 277.
MacLachlan, Lachlan, assignor to Berkey and Gay Furniture Company, Grand Rapids, Mich. Casing for sound-producing instruments. No. 51,786; Feb. 19; v. 247; p. 724.
Macbeth Arc Lamp Company, The. (See Eachus, Iredell, assignor.)
Macbeth-Evans Glass Company. (See Evans, Howard S., assignor.)
Macbeth, Norman, New York, N. Y. Lamp-fixture. Nos. 51,649–52; Jan. 1; v. 246; pp. 276–7.
Maddock & Miller. (See Hymer, Harry E., assignor.)
Maejima, Kokichi. (See Katakawa and Maejima.)
Maerz, Frederick K., assignor to The Scott-Ullman Company, Cleveland, Ohio. Lamp-stand. No. 52,044; May 14; v. 250; p. 493.
Maerz, Frederick K., assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting-fixture. No. 52,772; Dec. 17; v. 257; p. 629.
Majestic Company, The. (See Triggs, James M., assignor.)
Mallinson & Co., H. R. (See Hanson, Eugene I., assignor.)
Malsin, Albert, assignor to Lane Bryant Inc., New York, N. Y. Corset. No. 52,582; Oct. 15; v. 255; p. 587.
Mancuso, Ralph, Brooklyn, N. Y. Statue-doll. No. 52,242; July 30; v. 252; p. 1129.
Manley, Thomas F., East Liverpool, Ohio. Convertible receptacle for hot water and a fountain-syringe. No. 52,078; June 4; v. 251; p. 214.
Manning, Fowler, assignor to Winchester Repeating Arms Co., New Haven, Conn. Show-case for shoulder-arms. No. 52,223; July 23; v. 252; p. 943.
Mantle Lamp Company of America, The. (See French, Ira L., assignor.)
Manzel, Charles W., Buffalo, N. Y. Leaf-spring-lubricating tool. No. 51,729; Feb. 5; v. 247; p. 217.
Marcher, Royal, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Hair-ribbon holder. No. 52,051; May 21; v. 250; p. 752.
Marcus, Siegfried, Philadelphia, Pa. Lens. No. 52,079; June 4; v. 251; p. 214.
Marder, Clarence C., New York, N. Y., assignor to American Type Founders Company, Jersey City, N. J. Font of type. Nos. 51,963–5; Apr. 9; v. 249; p. 491.
Marqua, George, Sr., Norwood, Ohio. Toy automobile. No. 51,730; Feb. 5; v. 247; p. 217.
Marr, William N., Spokane, Wash. Price-card holder. No. 52,333; Aug. 27; v. 253; p. 931.
Marshall, Albert W., Detroit, Mich. Lens for auto-headlights. No. 52,282; Aug. 20; v. 253; p. 721.
Martin, Thomas F., New York, N. Y. Plate, plaque, or similar article. No. 52,666; Nov. 12; v. 256; p. 432.
Mason, Dudley M., assignor to The Mason Tire & Rubber Company, Kent, Ohio. Tire-tread. No. 51,683; Jan. 8; v. 246; p. 550.
Mason Tire & Rubber Company, The. (See Mason, Dudley M., assignor.)
Mathewson, Helen, Los Angeles, Cal. Combined door and door-grille. No. 52,060; May 28; v. 250; p. 979.
Mathewson, Helen, Los Angeles, Cal. Window. No. 52,061; May 28; v. 250; p. 979.
Mathieson, Thomas T., Madrone, Cal. Combined knife and fork. No. 52,045; May 14; v. 250; p. 493.
Matthews, Kenneth F., assignor to The R. L. Kenyon Company, Waukesha, Wis. Phonograph-cabinet. Nos. 52,101–3; June 11; v. 251; p. 444.
Mauzy, Margaret H., San Francisco, Cal. Doll. No. 52,803; Dec. 24; v. 257; p. 806.
Maynard Frederick E., Berkeley, Cal. Emblem or similar article. No. 52,667; Nov. 12; v. 256; p. 432.
Maxwell, Bert R., Fairbury, Ill. Doll. No. 52,334; Aug. 27; v. 253; p. 931.
Mayer, Arthur E., Beaver, assignor to The Mayer China Company, Beaver Falls, Pa. Plate or similar article. No. 52,335; Aug. 27; v. 253; p. 931.
Mayer China Company, The. (See Mayer, Arthur E., assignor.)
McCabe, William, New York, N. Y., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,787; Feb. 19; v. 247; p. 724.
McCormack, George E., Providence, R. I., assignor to Ballou Manufacturing Company. Emblem, pin, or similar article. No. 52,804; Dec. 24; v. 257; p. 806.
McCullar, David F. (See Baird and Harper, assignors.)
McDannell, Decatur S., Jr., Moline, Ill. Sign-post. No. 52,750; Dec. 10; v. 257; p. 391.
McDevitt, James B., and M. Greenspan, Chicago, Ill. Automobile-tire. No. 52,062; May 28; v. 250; p. 979.
McFaddin, Harrison D., East Orange, N. J. Lamp-globe. No. 51,904; Mar. 26; v. 248; p. 988.
McFarland, Robert H. (See Hector and Davis, assignors.)
McGrevy, Jeremiah, assignor to Solidarity Watch Case Company, Brooklyn, N. Y. Watch bow and boat. No. 52,336; Aug. 27; v. 253; p. 931.
McGrevy, Jeremiah, assignor to Solidarity Watch Case Company, Brooklyn, N. Y. Watch case and bow. Nos. 52,455–8; Sept. 17; v. 254; pp. 644–5.
McIntyre, Charles H. (See Muni, Frank E., assignor.)
McKee Glass Company. (See Smith, Maurice A., assignor.)
McKinley, Charles W., and H. H. Goodall, assignors to The Willys-Overland Company, Toledo, Ohio. Automobile. No. 52,283; Aug. 20; v. 253; p. 721.
McKinnie, Earle C., assignor to National X-Ray Reflector Co., Chicago, Ill. Lighting-fixture. No. 51,865; Mar. 12; v. 248; p. 481.
McLaughlin, Floyd C. (See Hale and McLaughlin.)
McNair, Arthur, Coatesville, Pa. Valve-seat remover. No. 51,705; Jan. 22; v. 246; p. 1011.
McNary, Peter M., Providence, R. I. Medal, locket, pin, fob, pendant, or similar article. No. 51,966; Apr. 9; v. 249; p. 491.
McPhaden, Alexander, assignor of one-fourth to J. T. Sandberg, one-tenth to O. Nelson, one-twentieth to M. Anderson, one-twentieth to E. Swansen, and one-twentieth to B. Healund, Chicago, Ill. Game-board. No. 52,827; Dec. 31; v. 257; p. 1065.
McVey, George J., Lincoln, Nebr. Musical instrument. No. 52,539; Oct. 8; v. 255; p. 350.
McVicker, Edith S., Vermilion, S. D. Serving-tray. No. 52,486; Sept. 24; v. 254; p. 847.
Melhuish, William F., Jr., Farmingdale, N. Y. Radiator for automobiles. No. 51,706; Jan. 22; v. 246; p. 1012.
Meng, Arthur, assignor to Cleveland Chandelier Company, Cleveland, Ohio. Arm for lighting-fixtures. Nos. 51,731–2; Feb. 5; v. 247; p. 217.
Meng, Arthur, assignor to Cleveland Chandelier Company, Cleveland, Ohio. Arm for lighting-fixtures. No. 51,754; Feb. 12; v. 247; p. 451.
Metzner, Otto, asignor to The Rockwood Pottery Company, Cincinnati, Ohio. Gas-heater. Nos. 52,514–15; Oct. 1; v. 255; p. 144.
Meyer, Felix. (See Huber, Alice P., assignor.)
Meyer, George U., assignor to Providence Stock Company, Providence, R. I. End connector for a watch-bracelet. No. 52,668; Nov. 12; v. 256; p. 432.
Meyer, Leroy E., Cuyahoga Falls, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Rubber heel. No. 51,815; Feb. 26; v. 247; p. 947.
Meyercord Company, The. (See Westerlind, Aksel, assignor.)
Meyner, Walter, New York, N. Y. Game-board. No. 52,540; Oct. 8; v. 255; p. 350.
Mignolet, Jean, Denver, Colo. International patriotic emblem. No. 52,337; Aug. 27; v. 253; p. 932.
Milleman, Alfred, Turtle Creek, Pa. Window-wedge. No. 52,828; Dec. 31; v. 257; p. 1065.
Miller, Eva L. (See Morten, Emma J., assignor.)
Miller, John C., Sault Ste. Marie, Ontario, Canada. Rack. No. 51,987; Apr. 23; v. 249; p. 967.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Water bottle, syringe, bag, or similar article. No. 52,616; Oct. 29; v. 255; p. 1039.
Millin, John S., Philadelphia, Pa. Pillow-top. No. 51,733; Feb. 5; v. 247; p. 218.
Minassian, Leon, New York, N. Y., assignor to Bigelow Hartford Carpet Company. Rug. Nos. 51,788–90; Feb. 19; v. 247; pp. 724–5.
Mitchell Vance Co. (See Strahan, George V., assignor.)
Mitrano, Cosimo, Brooklyn, N. Y. Locket, fob, or similar article. No. 52,338; Aug. 27; v. 253; p. 932.
Mohrmann, Paul, assignor, Friedley-Voshardt Co., Chicago, Ill. Weather-vane or lightning-rod ornament. Nos. 52,339–41; Aug. 27; v. 253; p. 932.
Moisant, Matilde, Los Angeles, Cal. Doll. No. 51,988; Apr. 23; v. 249; p. 967.
Moniea, Joseph P., Glencoe, Minn. Pipe-clamp. No. 52,402; Sept. 10; v. 254; p. 431.
Monteleone, Ernest T. (See Angiulli and Monteleone.)
Moore, Donald K., Detroit, Mich. Finger-ring. Nos. 51,929–30; Apr. 2; v. 249; p. 220.
Moretti, Giuseppe. (See Armour and Moretti.)
Morford, Lottie, Miami, Fla. Hat-pin. No. 52,669; Nov. 12; v. 256; p. 432.
Morreau Company, The. (See Klein, Max, assignor.)
Morten, Emma J., assignor of one-half to E. L. Miller, Waterloo, Iowa. Pencil. No. 51,931; Apr. 2; v. 249; p. 220.
Morton, James T., assignor to J. T. Morton Gum Co., Kansas City, Mo. Candy. No. 51,707; Jan. 22; v. 246; p. 1012.
Mountford, Thomas, Newark, N. J. Jewelry-gallery. No. 52,243; July 30; v. 252; p. 1129.
Muni, Frank E., West Nutley, N. J. Military badge. No. 51,684; Jan. 8; v. 246; p. 551.

Alphabetical list of patentees of designs—Continued.

Muni, Frank E., Nutley, N. J., assignor to C. H. McIntyre, trustee, Boston, Mass. Badge. No. 51,695; Jan. 15; v. 246; p. 811.
Munson, Bror A. M., Brooklyn, N. Y. Game-board. No. 51,755; Feb. 12; v. 247; p. 451.
Murchey, David L., Detroit, Mich. Case for game counters or registers. No. 52,670. Nov. 12; v. 256; p. 433.
Murphy, Howard E., assignor to Luminous Unit Company, St. Louis, Mo. Lighting-fixture. No. 51,905; Mar. 25; v. 248; p. 988.
Murphy, Howard E., assignor to Luminous Unit Company, St. Louis, Mo. Lighting-fixture. No. 51,971; Apr. 16; v. 249; p. 723.
Musselman, Alvin J., Chicago, Ill., assignor to Indiana Rubber & Insulated Wire Co., Jonesboro, Ind. Vehicle-tire. No. 52,224; July 23; v. 252; p. 943.
Mutual China Co. (See Hollweg and Firth, assignors.)
Myers, Joseph, Muskegon, Mich. Pin or similar article of manufacture. No. 52,705; Nov. 19; v. 256; p. 620.
Myers, Louis, Detroit, Mich. Comb. No. 51,708; Jan. 29; v. 246; p. 1179.
Nathan, Miriam, New York, N. Y. Textile fabric. Nos. 52,284–7; Aug. 20; v. 253; p. 721.
Nathan, Robert, Hartford, Conn. Thumb-tack. No. 52,487; Sept. 24; v. 254; p. 847.
National Art Novelty Company. (See Brown, Max, assignor.)
National Carbon Company. (See Grothe, Walter, assignor.)
National Committee for Armenian and Syrian Relief. (See Patigian, Haig, assignor.)
National Safety Council. (See Chandler, William L., assignor.)
National X-Ray Reflector Co. (See McKinnie, Earle C., assignor.)
Neff, Richard W., assignor to The Remmers Soap Company, Cincinnati, Ohio. Cake of soap. No. 51,995; Apr. 30; v. 249; p. 1198.
Nelson, Eveld L., Minneapolis, Minn. Mirror-pedestal. No. 52,169; July 9; v. 252; p. 485.
Nelson, Otto, *et al.* (See McPhaden, Alexander, assignor.)
New Jersey Patent Company. (See Aimone, Raimondo C., assignor.)
New Jersey Patent Company. (See Pitts, Walter C., assingor.)
New York Stamping Company. (See Easby, Thomas B., assignor.)
New York Stamping Company. (See Wojidkow, Louis, assignor.)
Newark Sign Company. (See Erickson, Ellis E., assignor.)
Newcomb, Walter J., East Cleveland, Ohio. Flag, pennant, emblem, or article of similar nature. No. 52,671; Nov. 12; v. 256; p. 433.
Newhall, Henry B., Jr., executor. (See Pleister, Henry W., assignor.)
Newland, Barnet, assignor to Incandescent Supply Company, New York, N. Y. Commercial unit for nitrogen-lamps. No. 52,063; May 28; v. 250; p. 979.
Newland, Barnet, assignor to Incandescent Supply Company, New York, N. Y. Commercial unit for nitrogen-lamps. No. 52,403; Sept. 10; v. 254; p. 431.
Newton, Frank H., San Francisco, Cal. Phonograph-cabinet. No. 51,696; Jan. 15; v. 246; p. 811.
Newton, Frank H., Oakland, Cal. Phonograph-cabinet. No. 52,541; Oct. 8; v. 255; p. 350.
Newton, Frank H., Oakland, Cal. Phonograph-cabinet. No. 52,672; Nov. 12; v. 256; p. 433.
Nichols, Frank B., New York, N. Y. Cigar and cigarette case or similar article. No. 52,829; Dec. 31; v. 257; p. 1065.
Nichols, William B., Delaware City, Del. Photo-frame. No. 52,143; July 2; v. 252; p. 224.
Nickerson, Oris H., Cleveland, Ohio. Receptacle. No. 52,805; Dec. 24; v. 257; p. 806.
Nitecki, Valerie, Philadelphia, Pa. Drip-pan for refrigerators. No. 52,488; Sept. 24; v. 254; p. 847.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Article of hollow ware. No. 52,830; Dec. 31; v. 257; p. 1065.
Noon, E. F., *et al.* (See Doherty, Fred, assignor.)
North American Lace Company. (See Watters, Charles J., assignor.)
North British Rubber Company. (See Turner, Alexander, assignor.)
Nunn, James W., Denver, Colo. Pencil-clip. No. 52,144; July 2; v. 252; p. 225.
Nusbaum, Carl. (See Davison, Goliat, assignor.)
Nyal Company. (See Best, Grant, assignor.)
O'Neill, Henry G. (See Pearson and O'Neill.)
Oakes Company, The. (See Swenson, Carl G., assignor.)
Orizaroff, Zvetko, Harrisburg, Pa. Picture-holder. No. 52,177; July 16; v. 252; p. 725.
Ormson, Louis G., New Lisbon, Wis. Pincushion. No. 52,542; Oct. 8; v. 255; p. 351.
Orr, William V., Cleveland, Ohio. Suction-cleaner casing. No. 52,806; Dec. 24; v. 257; p. 806.
Otto, Rudolph, Chicago, Ill. Ash-urn. No. 52,617; Oct. 29; v. 255; p. 1039.
Overmyer, Otho R., assignor to Dodge Brothers, Detroit, Mich. Back curtain of an automobile-top. No. 51,757; Feb. 12; v. 247; p. 451.

Owen, Oscar L., assignor to Whitin Machine Works, Whitinsville, Mass. Top-roll-saddle stirrup. No. 52,145; July 2; v. 252; p. 225.
Owen, William C., Cleveland, Ohio. Tire-casing. No. 52,170; July 9; v. 252; p. 485.
Ox Fibre Brush Company. (See Partridge, Frank E., assignor.)
Packard Motor Car Company. (See Stout, William B., assignor.)
Paddock, Willard D., Kent, Conn. Statue. No. 51,816; Feb. 26; v. 247; p. 947.
Palmer, Theron R., Erie, Pa. Handle-grip. No. 52,489; Sept. 24; v. 254; p. 847.
Palmolive Company, The. (See Hatch, William F., assignor.)
Palombo, Giuseppe, South Greensburg, Pa. Adjustable spade. No. 52,583; Oct. 15; v. 255; p. 587.
Palombo, Giuseppe, South Greensburg, Pa. Heel-plate. No. 52,584; Oct. 15; v. 255; p. 588.
Papin, Alfred F., Yonkers, assignor to C. A. Prager, New York, N. Y. Textile fabric. No. 51,843; Mar. 5; v. 248; p. 211.
Para Tire Co. of New York. (See Reynolds, Charles W., assignor.)
Paraffine Companies, The. (See Post, Cornelia M., assignor.)
Parker, George F., assignor to Towle Manufacturing Company, Newburyport, Mass. Article of manufacture. Nos. 52,585–6; Oct. 15; v. 255; p. 588.
Parsons, Wyckliffe W. (See Read and Parsons.)
Partridge, Frank E., New Rochelle, assignor to Ox Fibre Brush Company, New York, N. Y. Brush-back. No. 52,807; Dec. 24; v. 257; p. 806.
Pascucci, Emilio. (See Gage and Pascucci.)
Pasznicki, Piotr, West Toronto, Ontario, Canada. Watch-holder. No. 52,064; May 28; v. 250; p. 980.
Pasznicki, Piotr, Toronto, Ontario, Canada. Inkstand. No. 52,543; Oct. 8; v. 255; p. 351.
Patent Novelty Company. (See Lemke, Louis A., assignor.)
Patigian, Haig, San Francisco, Cal., assignor to National Committee for Armenian and Syrian Relief, New York, N. Y. Badge. No. 51,734; Feb. 5; v. 247; p. 218.
Patterson, Mary A., Amherst, Mass. Lingerie-ribbon top. No. 52,587; Oct. 15; v. 255; p. 588.
Pearce, Arthur E., *et al.* (See Breitenstein, Arthur L., assignor.)
Pearson, Ward E., and H. G. O'Neill, New York, N. Y. Portable electric lamp. Nos. 51,972–3; Apr. 16; v. 249; p. 724.
Peck, Charles E., Hartford, Conn., assignor to United States Tire Company. Stick-pin. No. 52,552; Oct. 8; v. 255; p. 352.
Perell, Samuel. (See Becker and Perell.)
Perfection Biscuit Company. (See Dickmeyer, William C., assignor.)
Perovich, Rade N., Washoe, Mont. Railway-spike. No. 52,773; Dec. 17; v. 257; p. 630.
Peters, Henry W., Boston, Mass. Honor-pin. No. 52,342; Aug. 27; v. 253; p. 932.
Pew, Gertrude L. (See Ford, Pew, and Kelly.)
Pfeffer, Genevieve, San Jose, Cal. Doll. No. 52,808; Dec. 24; v. 257; p. 807.
Pfeiffer, Otto G., St. Louis, Mo., assignor, by mesne assignments, to St. Louis Washing Machine Company. Casing for washing-machines. No. 52,065; May 28; v. 250; p. 980.
Pfous, Frank, Coshocton, Ohio, assignor to American Safety Razor Co., Inc., Brooklyn, N. Y. Display-cabinet. No. 52,225; July 23; v. 252; p. 943.
Phillips, Herbert A., and J. G. Stamm, Cleveland, Ohio. Tire-casing. No. 52,178; July 16; v. 252; p. 725.
Phillips, Herbert A., and J. G. Stamm, Cleveland, Ohio. Flag, banner, pennant, or similar article. No. 52,179; July 16; v. 252; p. 725.
Phillips, Herbert A., and J. G. Stamm, Cleveland, Ohio. Tire-casing. No. 52,459; Sept. 17; v. 254; p. 645.
Phillips, Herbert A., and J. G. Stamm, Cleveland, Ohio. Emblem, insignia, or similar article. No. 52,490; Sept. 24; v. 254; p. 847.
Phoebus, Margaret N. (See Phoebus, Mary E. and M. N.)
Phoebus, Mary E. and M. N., Brooklyn, N. Y. Memorial band. No. 52,404; Sept. 10; v. 254; p. 431.
Phoebus, Mary E. and M. N., Brooklyn, N. Y. Memorial honor-band. No. 52,752; Dec. 10; v. 257; p. 391.
Pierson, Robert M. Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Nos. 51,866–7; Mar. 12; v. 248; p. 481.
Pike, William A., assignor to Eaton, Crane & Pike Company, Pittsfield, Mass. Display-card. No. 52,226; July 23; v. 252; p. 943.
Pike, William A., assignor to Eaton, Crane & Pike Company, Pittsfield, Mass. Display-card. No. 52,405; Sept. 10; v. 254; p. 431.
Pisarro, Theodore, Brooklyn, N. Y. Pair of overalls. No. 52,115; June 18; v. 251; p. 658.
Pitcairn, Wm. S. (See Grindley, William H., assignor.)
Pitt, Edward L., Cincinnati, Ohio. Game device. No. 52,288; Aug. 20; v. 253; p. 722.
Pitts, Walter C., Philadelphia, Pa., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph-cabinet. Nos. 52,491–4; Sept. 24; v. 254; pp. 847–8.

Alphabetical list of patentees of designs—Continued.

Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
Platt, Clarence D., Bridgeport, Conn. Electric switch member. Nos. 51,868–9; Mar. 12; v. 248; pp. 481–2.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall, Jr., executor. Conduit-clamp or similar article. No. 52,774; Dec. 17; v. 257; p. 630.
Poeton, Lawrence, assignor to American Optical Company, Southbridge, Mass. Temple. No. 51,654; Jan. 1; v. 246; p. 277.
Polacheck, William, Milwaukee, Wis. Statuette. No. 52,289; Aug. 20; v. 253; p. 722.
Poling, Fred C., Menlo, Iowa. Tire-lug. No. 52,343; Aug. 27; v. 253; p. 932.
Polouboyarenof, Alexander D., New York, N. Y. Rolling basket. No. 51,989; Apr. 23; v. 249; p. 968.
Pontone, John S., Chicago, Ill. Talking-machine cabinet. Nos. 51,758–9; Feb. 12; v. 247; p. 452.
Pope, Harvey F., York, Nebr. Patriotic emblem or similar article of manufacture. No. 51,844; Mar. 5; v. 248; p. 212.
Post, Cornelia M., Philadelphia, Pa., assignor to The Paraffine Companies, Inc., San Francisco, Cal. Linoleum, oil-cloth, or floor-covering. Nos. 52,180–93; July 16; v. 252; pp. 725–7.
Powell, Earl C., Chester, W. Va. Crochet-ball holder. No. 52,104; June 11; v. 251; p. 444.
Prager, Claude A. (See Papin, Alfred F., assignor.)
Pratt, Benjamin H., Milwaukee, Wis. Vehicle-tire. No. 52,116; June 18; v. 251; p. 658.
Pretat, Frederick E., Waterbury, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 51,655; Jan. 1; v. 246; p. 277.
Pretzel, Herman H., Stillwater, Minn. Grease-gun. No. 51,817; Feb. 26; v. 247; p. 947.
Pribil, Alexis R., Cleveland, Ohio. Connecting-rod. No. 52,495; Sept. 24; v. 254; p. 848.
Price, Louis, Brooklyn, N. Y. Pin-point protector. No. 52,290; Aug. 20; v. 253; p. 722.
Progress Press Brick & Machine Company. (See Stocke, Jacob, Jr., assignor.)
Providence Stock Company. (See Meyer, George U., assignor.)
Pruitt, Conrad D., San Francisco, assignor to The Pruitt-Helmer Company, Los Angeles, Cal. Postage-stamp-vending-machine case. Nos. 51,656–8; Jan. 1; v. 246; p. 278.
Pruitt-Helmer Company, The. (See Pruitt, Conrad D., assignor.)
Quade, Herman A., Milwaukee, Wis. Wall-paper moistener. No. 52,618; Oct. 29; v. 255; p. 1039.
R. Wallace & Sons M'fg. Co. (See Wilkes, Samuel G., assignor.)
R. E. Dietz Company. (See Dietz, Fred, assignor.)
R. L. Kenyon Company, The. (See Matthews, Kenneth F., assignor.)
Rae, Matthew P. (See Gross, Miriam, assignor.)
Ramsdell, James W., Highland Park, Mich. Drinking-fountain. No. 52,244; July 30; v. 252; p. 1129.
Ransom, Will, assignor to Barnhart Bros. & Spindler, Chicago, Ill. Font of type. No. 52,460; Sept. 17; v. 254; p. 645.
Ransom, Will, assignor to Barnhart Bros. & Spindler, Chicago, Ill. Font of type. Nos. 52,496–7; Sept. 24; v. 254; p. 848.
Rau, Henry V., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Lacing-hook. No. 52,544; Oct. 8; v. 255; p. 351.
Read, Frank P., and W. W. Parsons, Chicago, Ill. Combined phonograph-cabinet and hall-clock case. No. 52,194; July 16; v. 252; p. 728.
Redfern, Albert, Plainfield, N. J., assignor to The Stein, Doblin Lace Co. Lace. No. 52,146; July 2; v. 252; p. 225.
Reeves, William H., West Orange, N. J. Game-board. No. 51,735; Feb. 5; v. 247; p. 218.
Reizenstein, Charles L., Pittsburgh, Pa. Glass plate or similar article. No. 52,171; July 9; v. 252; p. 485.
Reizenstein, Charles L., Pittsburgh, Pa. Glass plate or other similar article. No. 52,344; Aug. 27; v. 253; p. 933.
Reizenstein, Charles L., Pittsburgh, Pa. Glass or china vessel. No. 52,498; Sept. 24; v. 254; p. 849.
Reliance Metal Spinning & Stamping Co. (See Lipsky, Norman, assignor.)
Remmers Soap Company, The. (See Neff, Richard W., assignor.)
Revere Rubber Company. (See Vaile, Pembroke A., assignor.)
Rewick, Everett E., Los Angeles, Cal. Furniture-panel. No. 51,762; Feb. 12; v. 247; p. 452.
Reynolds, Charles W., assignor to Para Tire Co. of New York, Inc., New York, N. Y. Automobile-tire. No. 51,736; Feb. 5; v. 247; p. 218.
Reznor, George F., Mercer, Pa. Gas-heater. Nos. 51,760–1; Feb. 12; v. 247; p. 452.
Rice, Alexander, Montgomery, Ala. Novelty paper hat. Nos. 52,147–9; July 2; v. 252; p. 225.
Richardson, Frank C. A., New York, N. Y. Finger-ring. No. 51,763; Feb. 12; v. 247; p. 452.
Richardson, John W., Detroit, Mich. Tire. No. 52,227; July 23; v. 252; p. 944.
Ridgway, Edward J., Staten Island, N. Y. Dish or similar article. No. 52,588; Oct. 15; v. 255; p. 588.
Ringel, Charles, New York, N. Y. Doll. No. 52,195; July 16; v. 252; p. 728.
Rixson, Oscar C., New Rochelle, N. Y. Door-hinge. No. 52,117; June 18; v. 251; p. 658.
Roberts, Edwin E., Hamilton, Ohio. Toy chair. No. 51,659; Jan. 1; v. 246; p. 278.
Robertson, Elroy C., Cleveland, assignor to The Frantz Premier Company, East Cleveland, Ohio. Suction-cleaner casing. No. 52,809; Dec. 24; v. 257; p. 807.
Robertson, John C., assignor to St. Mungo Manufacturing Company, Limited, Glasgow, Scotland. Golf-ball. No. 52,706; Nov. 19; v. 256; p. 620.
Rockwood Pottery Company, The. (See Metzner, Otto, assignor.)
Roehrich, Victor H., St. Paul, Minn. Lighting-post. No. 52,254; Aug. 6; v. 253; p. 242.
Roesch, Georges, assignor of one-half to Clement Talbot Limited, London, England. Body of an automobile. No. 52,673; Nov. 12; v. 256; p. 433.
Roesch, Georges, assignor of one-half to Clement Talbot, Limited, London, England. Motor-car body. No. 52,707; Nov. 19; v. 256; p. 620.
Roesch, Georges, assignor of one-half to Clement Talbot Limited, London, England. Radiator for an automobile. No. 52,708; Nov. 19; v. 256; p. 620.
Roesch, Georges, assignor of one-half to Clement Talbot Limited, London, England. Combined mud-guard and luggage-carrier. No. 52,709; Nov. 19; v. 256; p. 621.
Rogers, Lunt & Bowlen Company. (See Lunt, George C., assignor.)
Rolling Tooth Brush Company. (See Clapp, Elizabeth B., assignor.)
Rorheimer, Louis, Cleveland, Ohio, assignor to H. G. Fetterolf Co., Philadelphia, Pa. Carpet, rug, or similar article. No. 52,013; May 7; v. 250; p. 237.
Rose, Harry M., Philadelphia, Pa. Photograph-mount. No. 52,406; Sept. 10; v. 254; p. 431.
Rosen, Nathan, New York, N. Y. Lamp-hood. No. 52,080; June 4; v. 251; p. 214.
Rosen, Samuel, Utica, N. Y. Curtain-holder. No. 52,345; Aug. 27; v. 253; p. 933.
Ross, Charles J., Oakland, Cal. Doll. Nos. 51,870–1; Mar. 12; v. 248; p. 482.
Rothenberg, Walter, Brooklyn, assignor to Henry Hyman & Co. Inc., Manhattan, N. Y. Emblem. No. 52,046; May 14; v. 250; p. 493.
Rubber Products Company, The. (See Breitenstein, Arthur L., assignor.)
Rubin, Harry, Baltimore, Md. Lighting-fixture. No. 51,660; Jan. 1; v. 246; p. 278.
Rudert, Paul, Tarentum, Pa. Sound-box. No. 52,081; June 4; v. 251; p. 215.
Rule, Arthur R., Westfield, N. J. Display-card. No. 51,737; Feb. 5; v. 247; p. 218.
Russ, Anna F., Rock Island, Ill. Doll. No. 52,346; Aug. 27; v. 253; p. 933.
Russell, Mary L., New York, N. Y. Article of manufacture. No. 52,118; June 18; v. 251; p. 658.
Ruth Wyllys Chapter, Daughters of the American Revolution. (See Liebau, Richard, assignor.)
Sadler Brothers. (See Sadler, Herbert A., assignor.)
Sadler, Herbert A., assignor to Sadler Brothers, South Attleboro, Mass. Guard for the ends of knitting-needles. No. 52,775; Dec. 17; v. 257; p. 630.
Samour, Tegran M., Boston, Mass. Head of a toy windmill. No. 52,674; Nov. 12; v. 256; p. 433.
Sanda, Wilma, New York, N. Y. Skirt-trousers. No. 52,245; July 30; v. 252; p. 1130.
Sandberg, Joseph T., *et al.* (See McPhaden, Alexander, assignor.)
Sander, Alfred H., Newark, N. J., assignor to Grey Iron Casting Company, Mount Joy, Pa. Toy bank. No. 51,932; Apr. 2; v. 249; p. 220.
Sanford, Andrew J., assignor to A. H. Heisey and Company, Newark, Ohio. Pitcher. No. 52,347; Aug. 27; v. 253; p. 933.
Sanford, Andrew J., assignor to A. H. Heisey & Co., New ark, Ohio. Pitcher. No. 52,675; Nov. 12; v. 256; p. 433.
Sanispoon Company. (See Jacoby, Leo D., assignor.)
Sargent & Company. (See Voight, Henry G., assignor.)
Sass, Alfred F., New York, N. Y. Finger-ring, cane-ring, umbrella-ring, bar-pin, or similar article. Nos. 52,676–7; Nov. 12; v. 256; pp. 433–4.
Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Hartford Carpet Company. Carpet. Nos. 51,792–6; Feb. 19; v. 247; pp. 725–6.
Sauer, Henry J., Fairfield, Conn. Spot-light body. No. 52,348; Aug. 27; v. 253; p. 933.
Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Cup. Nos. 52,349–50; Aug. 27; v. 253; pp. 933–4.
Saywell, Ernest A., Pawtucket, R. I., assignor to Seekonk Lace Company. Lace fabric. No. 51,797; Feb. 19; v. 247; p. 726.
Saywell, Ernest A., Pawtucket, R. I., assignor to Seekonk Lace Company. Lace fabric. No. 52,351; Aug. 27; v. 253; p. 934.

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Saywell, Ernest A., Pawtucket, R. I., assignor to Seekonk Lace Company. Lace fabric. No. 52,710; Nov. 19; v. 256; p. 621.
Sbarbaro, John L. (See Cogan and Sbarbaro.)
Scarl, Charles. (See Dutcher, William H., assignor.)
Schaff, Schuyler R., East Orange, N. J. Thimble. No. 52,811; Dec. 24; v. 257; p. 807.
Schaffer, Frank H., Providence, R. I., assignor to The Ivoryloid Co., Inc., New York, N. Y. Brooch-pin or similar article of jewelry. No. 52,228; July 23; v. 252; p. 944.
Schanschieff, Alexander N., Valley Stream, assignor to Ferdinand Strauss Inc., New York, N. Y. Child's toy. No. 52,291; Aug. 20; v. 253; p. 722.
Schedler, Bertha A., Bronxville, N. Y. Parasol. No. 52,545; Oct. 8; v. 255; p. 351.
Scheibe, Ralph R., Cambridge, Mass. Boudoir-tray. No. 52,678; Nov. 12; v. 256; p. 434.
Schemmel, Robert C., assignor to The Backstay Machine & Leather Company, Union City, Ind. Molding or welt. No. 51,804; Feb. 19; v. 247; p. 727.
Schiff, Jeffrey B. (See Schiff, Samuel S. and J. B.)
Schiff, Samuel S. and J. B., Chicago, Ill. Talking-machine cabinet. Nos. 51,933–7; Apr. 2; v. 249; pp. 220–1.
Schmelzer, Harvey J., Kansas City, Mo., assignor to E. I. Horsman Co., New York, N. Y. Child's toy block. No. 52,546; Oct. 8; v. 255; p. 351.
Schmidt, Robert, Boston, Mass. Picture-frame. No. 52,679; Nov. 12; v. 256; p. 434.
Schneider, Frank, Buffalo, N. Y. Goblet or similar article. No. 51,738; Feb. 5; v. 247; p. 218.
Schnitzler, George, New York, N. Y., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Ribbon. No. 52,680; Nov. 12; v. 256; p. 434.
Schoen, Leslie A., Victor, Colo. Patriotic badge or poster. No. 51,764; Feb. 12; v. 247; p. 453.
Schoenberg, Ralph A., now, by judicial change of name, R. A. Belmont, New York, N. Y. Casing for an electric switch. No. 52,119; June 18; v. 251; p. 658.
Schulte, Frank, Philadelphia, Pa. Hall-clock. No. 52,711; Nov. 19; v. 256; p. 621.
Schwarber, Henry, Weehawken, assignor to Inflexible Co., West New York, N. J. Embroidered lace. Nos. 51,698–700; Jan. 15; v. 246; p. 811.
Schwartz, Frederick, Brooklyn, N. Y. Light-globe. No. 51,890; Mar. 19; v. 248; p. 746.
Schweitzer, Ernest J. (See Wagner and Schweitzer.)
Schwinn, Frederick, Attleboro, Mass. Spoon, fork, or similar article. No. 52,082; June 4; v. 251; p. 215.
Schwinn, Ignaz, Chicago, Ill. Bicycle-frame. No. 52,150; July 2; v. 252; p. 225.
Scott, Dwight T., Washington, D. C. Check. No. 52,753; Dec. 10; v. 257; p. 391.
Scott, Ernest A. F., Pasadena, Cal. Statuette or toy figure. No. 51,765; Feb. 12; v. 247; p. 453.
Scott-Ullman Company, The. (See Maerz, Frederick K., assignor.)
Scrogin, James M., Mare Island, Cal. Memorial pin. No. 52,196; July 16; v. 252; p. 728.
Sears, John S., New York, N. Y. Article of manufacture. No. 52,197; July 16; v. 252; p. 728.
Sears, John S., New York, N. Y. Toy balloon or similar article. No. 52,352; Aug. 27; v. 253; p. 934.
Sears, Roebuck and Co. (See Lords, Thaddeus J., assignor.)
Seekonk Lace Company. (See Saywell, Ernest A., assignor.)
Seiberling, Albert F., assignor to Indiana Rubber & Insulated Wire Company, Jonesboro, Ind. Vehicle-tire. No. 51,697; Jan. 15; v. 246; p. 811.
Sellner, Herbert W., Faribault, Minn. Coaster-car. No. 52,810; Dec. 24; v. 257; p. 807.
Selsor, Margaret A., New York, N. Y. Trousers. No. 52,470; Sept. 24; v. 254; p. 843.
Shainmark, Frank J., and H. Fidel, New York, N. Y. Flag. No. 52,681; Nov. 12; v. 256; p. 434.
Shane, Ben, Milwaukee, Wis. Spoon, fork, or similar article. No. 52,831; Dec. 31; v. 257; p. 1065.
Shanley, Thomas A., assignor to International Silver Co., Meriden, Conn. Glass vessel or similar article. No. 51,938; Apr. 2; v. 249; p. 221.
Shapiro & Aronson. (See Westphal, Gottfried, assignor.)
Shaw, Eugene P., Minneapolis, Minn. Service-roll. No. 52,754; Dec. 10; v. 257; p. 391.
Shaw, William D. (See Tussey and Shaw.)
Sherman, Harry E. (See Sherman, Louie A. and H. E.)
Sherman, Louie A., Anoka, and H. E. Sherman, Minneapolis, Minn. Shotgun-shell. No. 51,974; Apr. 16; v. 249; p. 724.
Shields, Lytton J., St. Paul, Minn. Storage-battery terminal connector. No. 52,682; Nov. 12; v. 256; p. 434.
Shively, Walter E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-tread. No. 51,939; Apr. 2; v. 249; p. 221.
Shriver, Curtis A., Toledo, Ohio. Tire. No. 51,996; Apr. 30; v. 249; p. 1198.
Shugg, Walter I., assignor to Winchester Repeating Arms Co., New Haven, Conn. Label. No. 52,812; Dec. 24; v. 257; p. 808.
Shuttleworth Bros. Co. (See Kafka, Richard A., assignor.)
Shuttleworth Bros. Co. (See Walker, William, assignor.)
Shuttleworth Bros. Co. (See Witzel, John H., assignor.)
Silbermann, Philipp, New York, N. Y. Jewel-setting. No. 52,755; Dec. 10; v. 257; p. 392.
Silver, Conover T., New York, N. Y. Automobile-body. No. 51,906; Mar. 26; v. 248; p. 989.
Silver, Conover T., New York, N. Y. Automobile-radiator. Nos. 52,407–8; Sept. 10; v. 254; p. 432.
Silver, Conover T., New York, N. Y. Combined automobile running-board and fender. No. 52,409; Sept. 10; v. 254; p. 432.
Silverman, Joseph, Chicago, Ill. Bent-wood chair. No. 52,083; June 4; v. 251; p. 215.
Simmons, Joseph, New York, N. Y. Finger-ring. No. 51,891; Mar. 19; v. 248; p. 746.
Simms, Charles F., Concord, N. H. Figure or doll. No. 52,292; Aug. 20; v. 253; p. 723.
Simpson, Charles E. (See Smith, Charles F., assignor.)
Skinner, Joseph. (See Lynch, Edward J., assignor.)
Skipp, Herbert J. A., Providence, R. I., assignor to J. A. Schwartz Company, Philadelphia, Pa. Finger-ring or similar article of jewelry. No. 52,353; Aug. 27; v. 253; p. 934.
Smith, Charles F., assignor of one-half to C. E. Simpson, Chicago, Ill. Button, badge, or similar article. No. 51,662; Jan. 1; v. 246; p. 279.
Smith, Frederick, Brooklyn, N. Y. Flag, pennant, sign, emblem or article of a similar nature. No. 52,084; June 4; v. 251; p. 215.
Smith, Grant E., Poughkeepsie, N. Y. Automobile steering-wheel. No. 52,120; June 18; v. 251; p. 659.
Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Glass bowl. No. 52,121; June 18; v. 251; p. 659.
Smith Scale Company, The. (See Smith, Walter S., assignor.)
Smith, Walter S., assignor to The Smith Scale Company, Columbus, Ohio. Weighing-scale housing. No. 52,756; Dec. 10; v. 257; p. 392.
Smith, Wesley L., Pittsburgh, Pa. Tooth-repair-material-shade guide. No. 52,683; Nov. 12; v. 256; p. 435.
Solar Light Company. (See Cozatsky, Nathan, assignor.)
Solidarity Watch Case Company. (See McGrevy, Jeremiah, assignor.)
Sonora Phonograph Corporation. (See Wolff, Joseph, assignor.)
Sordyka, Joseph, Grand Rapids, Mich. Sword-handle. No. 52,354; Aug. 27; v. 253; p. 934.
Soth, Henry, assignor to Albert Lea Sprayer Co., Albert Lea, Minn. Label. No. 51,845; Mar. 5; v. 248; p. 212.
Southard, Frank E., assignor to The Toledo Metal Wheel Company, Toledo, Ohio. Juvenile vehicle-body. No. 52,547; Oct. 8; v. 255; p. 352.
Spaulding, William K., Ketchikan, Alaska. Badge, button, pendant, or similar article. No. 52,410; Sept. 10; v. 254; p. 432.
Spaulding, William K., Ketchikan, Alaska. Flag, pennant, emblem, sign, or article of similar nature. No. 52,411; Sept. 10; v. 254; p. 432.
Speitel, William, New York, N. Y. Paper-cutter or similar article. No. 52,105; June 11; v. 251; p. 444.
Spencer, Charles H., Chicago, Ill. Finger-ring or similar article of jewelry. No. 52,028; May 7; v. 250; p. 240.
Spencer, Charles H., Chicago, Ill. Finger-ring or similar article of jewelry. No. 52,047; May 14; v. 250; p. 493.
Spencer, Charles H., Chicago, Ill. Finger-ring or similar article of jewelry. Nos. 52,229–30; July 23; v. 252; p. 944.
Spira, Robert H. (See Leff and Spira.)
Spring, William A., Brooklyn, N. Y., assignor to Bigelow Hartford Carpet Company. Rug. Nos. 51,798–9; Feb. 19; v. 247; p. 726.
St. Louis Washing Machine Company. (See Pfeiffer, Otto G., assignor.)
St. Mungo Manufacturing Company. (See Robertson, John C., assignor.)
Stachura, George, assignor of one-half to J. Stachura, Otthon, Saskatchewan, Canada. Needle-threading device. No. 51,892; Mar. 19; v. 248; p. 746.
Stachura, John. (See Stachura, George, assignor.)
Stacy, Eugene C., Tiffin, Ohio. Link. No. 52,589; Oct. 15; v. 255; p. 588.
Staf, Axel H., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoon, fork, or similar article. No. 51,766; Feb. 12; v. 247; p. 453.
Stamm, John G. (See Phillips and Stamm.)
Standard Sanitary Manufacturing Co. (See Bale, Damon, assignor.)
Star Rubber Company, The. (See Weaver, Orlando L., assignor.)
Starr, Samuel E. (See Haas, Victor E., assignor.)
Stean, Jules H., assignor of one-half to C. Burrage, Worcester, Mass. Cigar-perforator. No. 52,151; July 2; v. 252; p. 226.
Steedman, George F., St. Louis, Mo., assignor to Curtis & Company Manufacturing Company, Wellston, Mo. Patriotic badge. No. 52,355; Aug. 27; v. 253; p. 934.
Steiger & Kerr Stove & Foundry Company. (See Lehman, Max R., assignor.)
Stein, Joseph, Denver, Colo. Thermos receptacle. No. 52,085; June 4; v. 251; p. 215.
Stein, The. (See Redfern, Albert, assignor.)

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Sterling Casket Hardware Company. (See Bailey, George R., assignor.)
Stevens, William A., San Francisco, Cal. Non-skid tire. No. 51,975; Apr. 16; v. 249; p. 724.
Stewart-Warner Speedometer Corporation. (See Berg, Joseph, assignor.)
Stifel, Edward W., Wheeling, W. Va. Textile fabric. No. 51,685; Jan. 8; v. 246; p. 551.
Stirn, Louis, assignor to J. Fisch, Newark, N. J. Regular utility service-cap. No. 52,590; Oct. 15; v. 255; p. 589.
Stocke, Jacob, Jr., assignor to Progress Press Brick & Machine Company, St. Louis, Mo. Building-brick. No. 51,767; Feb. 12; v. 247; p. 453.
Stollwerck, Albert N., Jersey City, N. J. Chocolate cake. No. 52,246; July 30; v. 252; p. 1130.
Stone, Bert E., Plattsburg, N. Y. Music-cabinet. No. 52,499; Sept. 24; v. 254; p. 849.
Stopglare, Limited. (See Leeks, George A., assignor.)
Stout, William B., assignor to Packard Motor Car Company, Detroit, Mich. Aircraft-fuselage or similar device. No. 52,066; May 28; v. 250; p. 980.
Strahan, George V., Newark, N. J., assignor to Mitchell Vance Co. Inc., New York, N. Y. Lighting-fixture. No. 52,412; Sept. 10; v. 254; p. 432.
Straub, Willard, Los Angeles, Cal. Juice-extractor. No. 52,684; Nov. 12; v. 256; p. 435.
Streeter, Wilson A., assignor to The Bailey, Banks & Biddle Company, Philadelphia, Pa. Finger-ring or similar article. No. 52,757; Dec. 10; v. 257; p. 392.
Strelak, Stefan, Chicago, Ill. Kettle-cover holder. No. 52,356; Aug. 27; v. 253; p. 935.
Stromberg, Adolph F., Atwater, Minn. Memorial-service flag. No. 52,357; Aug. 27; v. 253; p. 935.
Strong, William J. H., Chicago, Ill. Support or stand. No. 52,255; Aug. 6; v. 253; p. 243.
Sullivan, Charles L., assigner to Fostoria Glass Company, Moundsville, W. Va. Article of manufacture. No. 52,413; Sept. 10; v. 254; p. 432.
Sullivan, Charles L., and C. V. Wienberg, Moundsville, W. Va. Article of manufacture. No. 52,758; Dec. 10; v. 257; p. 392.
Susquehanna Silk Mills. (See Bunting, James H., assignor.)
Svenda, Mary, Charleroi, Pa. Hat. No. 52,591; Oct. 15; v. 255; p. 589.
Swan, Herbert H., *et al.* (See Breitenstein, Arthur L., assignor.)
Swansen, Elsie, *et al.* (See McPhaden, Alexander, assignor.)
Sweeney, William J., East Orange, N. J. Flag, pennant, or similar article. No. 52,759; Dec. 10; v. 257; p. 392.
Swenson, Carl G., assignor to The Oakes Company, Indianapolis, Ind. Fan-blade assembly. No. 52,762; Dec. 10; v. 257; p. 393.
Swetland, Esther H., North Tonawanda, N. Y. Toy. No. 52,048; May 14; v. 250; p. 493.
Swetland, Esther H., North Tonawanda, N. Y. Toy. Nos. 52,358–9; Aug. 27; v. 253; p. 935.
Sworbel, John A., assignor to Dinhofer Bros., New York, N. Y. Pin, badge, or like article. No. 52,414; Sept. 10; v. 254; p. 433.
Sworbel, John A., assignor to Dinhofer Bros., New York, N. Y. Ring. No. 52,415; Sept. 10; v. 254; p. 433.
Szandula, Peter, Chicago, Ill. Curtain-pole holder. No. 52,932; Dec. 31; v. 257; p. 1066.
T. A. Willson & Co. (See Willson, Frederick, assignor.)
T. N. Benedict Mfg. Co. (See Saunders, Albert F., assignor.)
Tabor, Thomas H., Ellijay, Ga., assignor to White Path Hotel Company. Combination-tool. No. 52,592; Oct. 15; v. 255; p. 589.
Tann, Charles W., Detroit, Mich. Medal. No. 51,940; Apr. 2; v. 249; p. 221.
Tavenner, Joseph H., Hebron, Ohio. Traffic-sign. No. 52,416; Sept. 10; v. 254; p. 433.
Tecktonius, Emil C., assignor to E. C. Tecktonius Manufacturing Co., Racine, Wis. Band-fastener. Nos. 52,256–7; Aug. 6; v. 253; p. 243.
Temple, Harry M., and P. Kearney, Detroit, Mich. Endclosure for conduits. No. 51,893; Mar. 19; v. 248; p. 747.
Tenney, John, Jr., Plainfield, N. J. Tire. No. 52,067; May 28; v. 250; p. 980.
Thomasma, Harry, and A. H. Blanchard, Grand Rapids, Mich. Broom-head. No. 52,813; Dec. 24; v. 257; p. 808.
Thompson, Arthur A., Oakland, Cal. Velocipede. No. 52,833; Dec. 31; v. 257; p. 1066.
Thomson, William A., Dayton, Ohio. Fob or pendant. No. 51,894; Mar. 19; v. 248; p. 747.
Tiffany, Louis C., New York, N. Y. Lamp. No. 51,800; Feb. 19; v. 247; p. 726.
Tin Decorating Company of Baltimore. (See Connor, Martha H., assignor.)
Titus Blatter & Company. (See Coste, Emile, assignor.)
Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Metal Wheel Company, The. (See Southard, Frank E., assignor.)
Tondl, Joseph E., New York, N. Y. Picture-frame. No. 51,941; Apr. 2; v. 249; p. 222.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towle Manufacturing Company. (See Parker, George F., assignor.)
Towne, George S., San Francisco, Cal. Vehicle-tire. No. 51,895; Mar. 19; v. 248; p. 747.
Trabold, Frank W., assignor to J. H. Williams & Co., Brooklyn, N. Y. Tool-holder. No. 52,417; Sept. 10; v. 254; p. 433.
Train, John, Wessington Springs, S. D. Watch-charm. No. 51,739; Feb. 5; v. 247; p. 219.
Trefethen, Charles G., Taunton, Mass. Water-coil. No. 51,846; Mar. 5; v. 248; p. 212.
Triggs, James M., assignor to The Majestic Company, Huntington, Ind. Duplex register. No. 52,086; June 4; v. 251; p. 215.
Tucker, Grover C., Tuscaloosa, Ala. Body for an insect-destroyer. No. 51,818; Feb. 26; v. 247; p. 947.
Turner, Alexander, Edinburgh, Scotland, assignor to North British Rubber Company, Ltd. Golf-ball. No. 52,712; Nov. 19; v. 256; p. 621.
Turner, James. (See Crabill and Turner.)
Turner, Jesse L., Morgantown, W. Va. Bowl for goldfish. No. 51,663; Jan. 1; v. 246; p. 279.
Turner, Robert H., assignor, by mesne assignments, to The Dayton Metal Products Company, Dayton, Ohio. Insignia. No. 52,685; Nov. 12; v. 256; p. 435.
Tussey, Thomas C., and William D. Shaw, Westerville, Ohio. Lamp-lens. No. 52,360; Aug. 27; v. 253; p. 935.
Tuttle & Bailey Mfg. Co. (See Tuttle, Clifford H., assignor.)
Tuttle, Clifford H., Englewood, N. J., assignor to Tuttle & Bailey Mfg. Co., Brooklyn, N. Y. Picture-frame. No. 52,231; July 23; v. 252; p. 944.
Tykarsky, Tadeusz, Trenton, N. J. Poison-bottle. No. 51,664; Jan. 1; v. 246; p. 279.
Union Special Machine Company. (See Berger, Joseph, Jr., assignor.)
United Jewelers. (See Le Bron, Frank, assignor.)
United States Glass Company. (See Dunn, Frank M., assignor.)
United States Tire Company. (See Culp, George K., assignor.)
United States Tire Company. (See Peck, Charles E., assignor.)
Universal High Power Telephone Co. (See Farrar, Horace J., assignor.)
Upton, George V., Fitchburg, Mass. Bow-holder. No. 52,258; Aug. 6; v. 253; p. 243.
Uttz, William A., Ardmore, Okla. Radiator novelty. No. 51,976; Apr. 16; v. 249; p. 724.
Vaile, Pembroke A., New York, N. Y., assignor to Revere Rubber Company. Golf-ball. No. 52,500; Sept. 24; v. 254; p. 849.
Valenta, Frank, Pineville, Minn. Teething device. No. 52,087; June 4; v. 251; p. 216.
Van Raalte, Benjamin, assignor to E. Z. Van Raalte, New York, N. Y. Advertising display-stand. No. 51,942; Apr. 2; v. 249; p. 222.
Van Raalte, E. Z. (See Van Raalte, Benjamin, assignor.)
Van Raalte, Zealie, New York, N. Y. Veiling. No. 51,791; Feb. 19; v. 247; p. 725.
Vasbinder, Samuel R., Fulton, Ill. Tire-casing. No. 52,122; June 18; v. 251; p. 659.
Vaughn, Francis A., Milwaukee, Wis. Lamp-post. No. 51,997; Apr. 30; v. 249; p. 1198.
Vaughn, Francis A., Milwaukee, Wis. Lamp-fixture. No. 51,998; Apr. 30; v. 249; p. 1198.
Vaughn, Francis A., Milwaukee, Wis. Lamp post and bracket. No. 51,999; Apr. 30; v. 249; p. 1199.
Victor Talking Machine Company. (See Kieffer, Eugene T., assignor.)
Vieira, Antonio, assignor of one-half to A. De Leon, New York, N. Y. Plaque. No. 52,198; July 16; v. 252; p. 728.
Vinoberatz, Matthew I., Hibbing, Minn. Clock-case and base attachment for articles of furniture. No. 52,516; Oct. 1; v. 255; p. 144.
Visible Measure Gasoline Dispenser Company. (See Brady, James H., assignor.)
Vogel, Christian H. (See Joy and Vogel.)
Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Panic-bolt. No. 51,768; Feb. 12; v. 247; p. 453.
Von Carlsverg, John P. C., Worcester, Mass. Luncheon-table. No. 51,943; Apr. 2; v. 249; p. 222.
Voshardt, Herman F., assignor to Friedley-Voshardt Co., Chicago, Ill. Weather-vane or lightning-rod ornament. No. 52,361; Aug. 27; v. 253; p. 935.
Wabash Cabinet Co., The. (See Adams, James D., assignor.)
Wachtel, Charles, Jamaica, N. Y. Case for a flash-light. No. 52,593; Oct. 15; v. 255; p. 589.
Wadsworth, Arthur W., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ohio. Watchcase appendage. No. 52,461; Sept. 17; v. 254; p. 645.
Wadsworth-Watch Case Company, The. (See Wadsworth, Arthur W., assignor.)

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Wagner, Robert G., and E. J. Schweitzer, Los Angeles, Cal. Chandelier for a lighting-fixture. Nos. 52,088–91; June 4; v. 251; p. 216.
Wagner, Robert G., and E. J. Schweitzer, Los Angeles, Cal. Chandelier for a lighting-fixture. No. 52,152; July 2; v. 252; p. 226.
Wagner, Robert G., and E. J. Schweitzer, Los Angeles, Cal. Semidirect or indirect lighting unit. No. 52,619; Oct. 29; v. 255; p. 1040.
Wahle, Albert, Brooklyn, N. Y. Bowl for a lighting-fixture. No. 52,418; Sept. 10; v. 254; p. 433.
Waite, Ossian T., Oshkosh, Wis. Grass rug. Nos. 51,819–28; Feb. 26; v. 247; pp. 948–50.
Waite, Ossian T., Oshkosh, Wis. Grass rug. Nos. 51,907–10; Mar. 26; v. 248; p. 989.
Walker, Adeline M., Elizabeth, N. J. Doll. No. 52,713; Nov. 19; v. 256; p. 621.
Walker, Howard H., Cambridge, Mass. Finger-ring or similar article. Nos. 51,665–8; Jan. 1; v. 246; pp. 279–80.
Walker, William, assignor to Shuttleworth Bros. Co., Amsterdam, N. Y. Rug, carpet, or similar article. No. 51,847; Mar. 5; v. 248; p. 212.
Wallace, Henry L., Wallingford, Conn. Spoon, fork, or similar article. No. 52,362; Aug. 27; v. 253; p. 936.
Wallace, Henry L., Wallingford, Conn. Spoon, fork, or similar article. No. 52,834; Dec. 31; v. 257; p. 1066.
Waltham Watch Company. (See Bogert, John L., assignor.)
Walther, George, Dayton, Ohio. Wheel. No. 52,594; Oct. 15; v. 255; p. 589.
Wanner, Albert, Jr., New York, N. Y. Chair. Nos. 52,363–4; Aug. 27; v. 253; p. 936.
Wanner, Albert, Jr., New York, N. Y. Back of a chair. No. 52,419; Sept. 10; v. 254; p. 433.
Ward, Artemas, Jr. (See Chase and Ward.)
Waring, Edward M., Brooklyn, N. Y. Electric-motor casing. No. 52,293; Aug. 20; v. 253; p. 723.
Washburn, Gilbert T., New York, N. Y. Picture-frame. No. 52,548; Oct. 8; v. 255; p. 352.
Waterbury Mfg. Co. (See Goetz, Henry F., assignor.)
Waterbury, M'f'g Co. (See Wellington, Arthur W., assignor.)
Waters, Harry F. (See Hewitt and Waters.)
Watling, John B., Chicago, Ill. Mirror-front for scale-cabinets. Nos. 52,714–15; Nov. 19; v. 256; pp. 621–2.
Watling, Thomas W. B., Chicago, Ill. Weighing-scale. No. 52,620; Oct. 29; v. 255; p. 1040.
Watters, Charles J., assignor to North American Lace Company, Philadelphia, Pa. Lace. No. 51,896; Mar. 19; v. 248; p. 747.
Wear, Frank F., and B. M. Ely, Cincinnati, Ohio, assignors to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Dust and air separator. No. 52,365; Aug. 27; v. 253; p. 936.
Weare, Nettie A., Lowell, Ariz. Legless table. No. 51,977; Apr. 16; v. 249; p. 724.
Weaver, Harold B., New York, N. Y., assignor to American Motorbus Corporation. Motor-bus body. No. 51,740; Feb. 5; v. 247; p. 219.
Weaver, Orlando L., assignor to The Star Rubber Company, Akron, Ohio. Tire-casing. No. 52,153; July 2; v. 252; p. 226.
Weaver, Orlando L., assignor to The Star Rubber Company, Akron, Ohio. Tire-casing. No. 52,686; Nov. 12; v. 256; p. 435.
Webb, William E., Jr., Larchmont Manor, and G. L. Close, Mount Vernon, assignors to Church, Webb & Close, Inc., New York, N. Y. Trench-helmet. No. 52,294; Aug. 20; v. 253; p. 723.
Weeks, Frank A., Plainfield, N. J. Inkstand. No. 52,029; May 7; v. 250; p. 240.
Weeks, Frank A., Plainfield, N. J. Cover for an inkstand. No. 52,030; May 7; v. 250; p. 240.
Weeks, Frank A., Plainfield, N. J. Pen-rack. No. 52,295; Aug. 20; v. 253; p. 723.
Weiner, Morris and W. Loeb, New York, N. Y. Watch-cover or similar article. No. 52,835; Dec. 31; v. 257; p. 1066.
Weiss, Frank A., assignor to The Belber Trunk & Bag Company, Philadelphia, Pa. Dowel-bolt for trunks. No. 52,595; Oct. 15; v. 255; p. 589.
Wellington, Arthur W., assignor to Waterbury M'f'g Co., Waterbury, Conn. Portable electric-lamp base. No. 51,848; Mar. 5; v. 248; p. 213.
Wellman, Lester R., assignor to Friedley-Voshardt Co., Chicago, Ill. Plate for lighting-fixtures. No. 51,801; Feb. 19; v. 247; p. 727.
Wellman, Lester R., assignor to Friedley-Voshardt Co., Chicago, Ill. Electric lamp. No. 52,259; Aug. 6; v. 253; p. 243.
Wells, Joel C., Southbridge, Mass. Lens-clip. No. 51,775; Feb. 12; v. 247; p. 455.
Wells, Joel C., Southbridge, Mass. Lens-clip. No. 51,911; Mar. 26; v. 248; p. 990.
West, Ralph H., Cleveland, Ohio. Vehicle-wheel. No. 52,687; Nov. 12; v. 256; p. 435.
Westbrook, Annie L., Lorena, Tex. Medicine-spoon. No. 52,688; Nov. 12; v. 256; p. 435.
Westerlind, Aksel, assignor to The Meyercord Company, Chicago, Ill. Article of manufacture. No. 52,760; Dec. 10; v. 257; p. 392.
Western Electric Company. (See Forsberg, Oscar F., assignor.)
Western Gas Fixture Co., The. (See Crowell, Frank S., assignor.)
Westphal, Gottfried, Guttenberg, N. J., assignor to Shapiro & Aronson, Inc., New York, N. Y. Socket-cover for lightning-fixtures. No. 52,366; Aug. 27; v. 253; p. 936.
Whalen, Thomas J., New Castle, Pa. Tire. No. 51,829; Feb. 26; v. 247; p. 950.
Whaley, Paul C., Mountain View, Cal. Radiator-emblem. No. 52,420; Sept. 10; v. 254; p. 434.
White, Clarence W., North Bennington, Vt. Seat-body for children's vehicles. No. 52,814; Dec. 24; v. 257; p. 808.
White, Clarence W., North Bennington, Vt. Steering post and wheel for children's vehicles. No. 52,815; Dec. 24; v. 257; p. 808.
White, Edwin L., Brooklyn, New York. Hanger for light-transmitting bowls. No. 52,000; Apr. 30; v. 249; p. 1199.
White, Fred E., and F. E. Hooper, Gardner, Mass. Oil-stove. No. 52,501; Sept. 24; v. 254; p. 849.
White Path Hotel Company. (See Tabor, Thomas H., assignor.)
Whitehouse Brothers. (See Whitehouse, Joseph C., assignor.)
Whitehouse, Joseph C., assignor to Whitehouse Brothers, Cincinnati, Ohio. Ring. No. 52,014; May 7; v. 250; p. 237.
Whitin Machine Works. (See Owen, Oscar L., assignor.)
Whiting & Davis Company. (See Wiener, Henry, assignor.)
Whiting Manufacturing Company. (See Ball, George E., assignor.)
Widell, Swan O., Rockford, Ill. Wire-stretcher. No. 51,912; Mar. 26; v. 248; p. 990.
Wienberg, Carl V. (See Sullivan and Wienberg.)
Wiener, Henry, New York, N. Y., assignor to Whiting & Davis Company, Plainville, Mass. Frame for a hand-bag. No. 52,092; June 4; v. 251; p. 216.
Wilcock, Arthur, London, England, assignor to R. Carrillo & Co., New York, N. Y. Fabric. Nos. 52,689–90; Nov. 12; v. 256; p. 436.
Wilcox, Doctor M., Menominee, Mich. Tooth-brush holder. No. 51,990; Apr. 23; v. 249; p. 968.
Wilkes, Samuel G., assignor to R. Wallace & Sons M'fg. Co., Wallingford, Conn. Teapot or similar article. No. 52,502; Sept. 24; v. 254; p. 849.
Wilkinson, Randolph N., Huntington, W. Va. Child's vehicle. No. 52,154; July 2; v. 252; p. 226.
Will & Baumer Co., The. (See Will, Harold H., assignor.)
Will, Harold H., assignor to The Will & Baumer Co., Syracuse, N. Y. Candle-lamp. No. 51,686; Jan. 8; v. 246; p. 551.
Will, Harold H., assignor to The Will & Baumer Co., Syracuse, N. Y. Candle. No. 52,776; Dec. 17; v. 257; p. 630.
Williams, Philip K., assignor to The J. B. Williams Company, Glastonbury, Conn. Cake of soap. No. 51,802; Feb. 19; v. 247; p. 727.
Willson, Frederick, assignor to T. A. Willson & Co., Inc., Reading, Pa. Nose-bridge and brace-piece for spectacles. No. 52,123; June 18; v. 251; p. 659.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See McKinley and Goodall, assignors.)
Wilmort Manufacturing Company. (See Frankel, Mortimer, assignor.)
Wilson, Allen P., assignor to Boston Pencil Pointer Company, Waltham, Mass. Chip-receptacle for pencil-pointers. Nos. 52,549–50; Oct. 8; v. 255; p. 352.
Winchester Repeating Arms Co. (See Manning, Fowler, assignor.)
Winchester Repeating Arms Co. (See Shugg, Walter I., assignor.)
Wing, Albert E., Cleveland, Ohio. Vehicle-tire. No. 52,232; July 23; v. 252; p. 944.
Wingert, Martha S., Whittier, Cal. Doll. No. 52,421; Sept. 10; v. 254; p. 434.
Wirsching, August F., Los Angeles, Cal. Sign-digit. No. 52,375; Aug. 27; v. 253; p. 938.
Wiss, Albert, Cortlandt township, Westchester county, N. Y. Emblem, brooch, button, fob, badge, charm, stick-pin, or similar article. No. 52,296; Aug. 20; v. 253; p. 723.
Witcombe, McGeachin and Company. (See Bigelow, Alma S., assignor.)
Witcombe, McGeachin and Company. (See Haward, Sidney, assignor.)
Witzel, John H., assignor to Shuttleworth Bros. Co., Amsterdam, N. Y. Rug, carpet, or similar article. No. 51,849; Mar. 5; v. 248; p. 213.
Wm. A. Rogers, Limited. (See James, Sidney V., assignor.)
Wm. B. Durgin Co. (See Jenks, Barton P., assignor.)
Wojidkow, Louis, assignor to New York Stamping Company, Brooklyn, N. Y. Carrier for casseroles and like containers. No. 52,124; June 18; v. 251; p. 659.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Phonograph-cabinet. Nos. 52,031–2; May 7; v. 250; p. 240.

Alphabetical list of patentees of designs—Continued.

Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Casing for sound-boxes. No. 52,155; July 2; v. 252; p. 226.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Phonograph-cabinet. Nos. 52,367–73; Aug. 27; v. 253; pp. 936–7.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Phonograph-cabinet. No. 52,551; Oct. 8; v. 255; p. 352.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Phonograph-cabinet. Nos. 52,716–19; Nov. 19; v. 256; p. 622.
Worthington Pump and Machinery Corporation. (See Day, William H., assignor.)
Wulkan, Louis, Lawrence, N. Y. Display-stand. No. 52,374; Aug. 27; v. 253; p. 938.
Wyatt, Maude B., Kildare, Okla. Seed-planter. No. 51,709; Jan. 29; v. 246; p. 1179.
Yakish, William, Madisonville, Tex. Curtain-hanger. No. 51,944; Apr. 2; v. 249; p. 222.
Yennow, Carlo, Prince Albert, Saskatchewan, Canada. Electric lamp. No. 52,517; Oct. 1; v. 255; p. 144.
Yokel, Frank, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Bowl for lighting-fixtures. No. 51,741; Feb. 5; v. 247; p. 219.
Yokel, Frank, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Shade or reflector for lighting-fixtures. No. 51,742; Feb. 5; v. 247; p. 219.
Young, Willis G., Chicago, Ill. Game-board. Nos. 51,743–4; Feb. 5; v. 247; pp. 219–20.
Young, Willis G., Chicago, Ill. Game-board. No. 51,830; Feb. 26; v. 247; p. 950.
Zidell, William I., Los Angeles, Cal. Children's rompers. No. 52,720; Nov. 19; v. 256; p. 622.
Ziegler, Franz F., assignor to Davol Rubber Company, Providence, R. I. Hollow rubber figure toy. Nos. 52,199–200; July 16; v. 252; p. 729.
Zullig, Emil, Weehawken, N. J. Lace. No. 51,745; Feb. 5; v. 247; p. 220.
Zullig, Emil, Weehawken, N. J. Lace. No. 51,769; Feb. 12; v. 247; p. 454.
Zullig, Emil, Weehawken, N. J. Filet lace. Nos. 51,770–1; Feb. 12; v. 247; p. 454.
Zullig, Emil, Weehawken, N. J. Filet lace. No. 51,803; Feb. 19; v. 247; p. 727.
Zullig, Emil. Weehawken, N. J. Filet lace. No. 51,872; Mar. 12; v. 248; p. 482.
Zunish, Peter, Jenkins, Ky. Can-opener. No. 52,156; July 2; v. 252; p. 226.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. Bourjois & Co., Inc., New York, N. Y. Certain named toilet preparations. No. 120,064; Jan. 8; v. 246; p. 563.
A. Bourjois & Co., Inc., New York, N. Y. Certain named toilet preparations. No. 120,161; Jan. 15; v. 246; p. 819.
A. Bourjois & Co., Inc., New York, N. Y. Toilet soap. Nos. 120,245–6; Jan. 29; v. 246; p. 1199.
A. Bourjois & Co., Inc., New York, N. Y. Certain named toilet preparations. No. 120,330; Feb. 5; v. 247; p. 237.
A. Bourjois & Co., Inc., New York, N. Y. Face-powder, toilet waters, perfumes, lip-sticks, &c. No. 120,709; Mar. 5; v. 248; p. 229.
A. Bourjois & Co., Inc., New York, N. Y. Face-powder and rouge. No. 120,710; Mar. 5; v. 248; p. 229.
A. Bourjois & Co., Inc., New York, N. Y. Face-powder, toilet waters, rouge, &c. No. 121,397; Apr. 30; v. 249; p. 1217.
A. Bourjois & Co. Inc., New York, N. Y. Face-powder. No. 122,674; Sept. 10; v. 254; p. 445.
A. Kickbusch Grocery Company, Wausau, Wis. Coffee. No. 123,908; Dec. 17; v. 257; p. 643.
A. Schreiber Brewing Co., Buffalo, N. Y. Non-intoxicating cereal beverage. No. 121,099; Apr. 2; v. 249; p. 233.
A. Schreiber Brewing Co., Buffalo, N. Y. Beer. No. 123,653; Nov. 19; v. 256; p. 643.
A. C. Gilbert Company, New Haven, Conn. Certain named electrical apparatus, machines, and supplies. No. 123,991; Dec. 31; v. 257; p. 1076.
A. D. Edwards & Son, Los Angeles, Cal. Trousered garment for women's and children's wear. No. 120,021; Jan. 1; v. 246; p. 297.
A. E. Little Company, Lynn, Mass. Boots and shoes made of leather or leather and cloth. No. 120,599; Feb. 19; v. 247; p. 743.
A. E. Little Company, Lynn, Mass. Leggings of cloth or leather. No. 122,599; Aug. 27; v. 253; p. 950.
A. G. Hyde & Sons, New York, N. Y. Cotton piece goods. No. 121,447; Apr. 30; v. 249; p. 1219.
A. G. Hyde & Sons, New York, N. Y. Cotton piece goods. No. 122,705; Sept. 10; v. 254; p. 446.
A. H. Kuhlemann Co., The, Baltimore, Md. Oleomargarin. No. 122,888; Sept. 24; v. 254; p. 862.
A. H. Perfect & Co., Fort Wayne, Ind. Certain named foods. No. 121,139; Apr. 9; v. 249; p. 503.
A. J. Hilbert & Co., Inc., Milwaukee, Wis. Extract perfumes, toilet waters, face and talcum powders, face-creams. No. 122,877; Sept. 24; v. 254; p. 862.
A. J. Reach Company, Philadelphia, Pa. Certain named sporting goods. No. 123,058; Oct. 8; v. 255; p. 362.
A. L. Eisenstaedt Co. Inc., New York, N. Y. Men's neckties. Nos. 123,988–9; Dec. 31; v. 257; p. 1076.
A. N. Palmer Company, The, Cedar Rapids, Iowa, and New York, N. Y. Instruction-pamphlets and educational posters. Nos. 120,515–16; Feb. 12; v. 247; p. 476.
A/S Konserv, Trondhjem, Norway. Fish balls, sardines in oil, tomato sauce and bouillon, herrings. No. 121,069; Apr. 2; v. 249; p. 232.
A. T. Van Alstyn Co., The, Grand Rapids, Mich. Sanitary belts, napkins, and bandages, suspensories, abdominal supporters. No. 123,177; Oct. 15; v. 255; p. 608.
A. V. Roe & Co. Ltd., Manchester, England. Aeroplanes. No. 122,103; June 25; v. 251; p. 836.
A. W. Harris Oil Co., Providence, R. I. Lubricating-oils. No. 123,595; Nov. 19; v. 256; p. 641.
Abel, Charles F., New York, N. Y. Candy. No. 123,310; Oct. 29; v. 255; p. 1049.
Abel, William W., Macon, Ga. Preparation for the treatment of chills, fever, colds, and la grippe. No. 120,929; Mar. 19; v. 248; p. 763.
Abraham & Straus, Brooklyn, N. Y. Certain named foods. No. 122,664; Sept. 10; v. 254; p. 445.
Abrahams, Edgar E., Boston, Mass. Paper boxes and drinking-cups, bonbon-cups, folding cartons, &c. No. 120,152; Jan. 15; v. 246; p. 819.
Abrasive Company, Philadelphia, Pa. Grinding and polishing wheels. No. 121,029; Apr. 2; v. 249; p. 231.
Absorene Manufacturing Company, The, St. Louis, Mo. Paint-cleaner. No. 123,008; Oct. 8; v. 255; p. 361.
Accounting Machine Company, Inc., New York, N. Y. Adding and calculating machines. No. 120,698; Mar. 5; v. 248; p. 229.
Ackerman, Morris, Cleveland, Ohio. Publication issued annually. No. 123,772; Dec. 10; v. 257; p. 403.
Acme-Evans Company, Incorporated, Indianapolis, Ind. Certain named foods. No. 123,525; Nov. 19; v. 256; p. 639.
Acme Rubber Heel & Sole Co., The, Elyria, Ohio. Fibrous heels and soles. No. 123,526; Nov. 19; v. 256; p. 639.
Adair & Anhalt, Scarsdale, N. Y. Women's and children's house, outing, garden, and play dresses. No. 123,527; Nov. 19; v. 256; p. 639.
Adam Scheidt Beverage Co., Norristown, Pa. Non-intoxicating cereal beverage sold as a soft drink. No. 120,044; Jan. 1; v. 246; p. 298.
Adams Bros., New York, N. Y. Chewing-gum. No. 122,943; Oct. 1; v. 251; p. 157.
Adams, Charles, St. Louis, Mo. Talking-machine. No. 120,930; Mar. 19; v. 248; p. 763.
Adams, Cushing & Foster Inc., Boston, Mass. Certain named paper and stationery. No. 123,410; Nov. 12; v. 256; p. 447.
Adams, Lloyd, South Brownsville, Pa. Remedy for galls, sores, and cuts in animals. No. 122,121; July 2; v. 252; p. 241.
Adler, Saul W., New York, N. Y. Dental root-canal instruments. No. 123,412; Nov. 12; v. 256; p. 447.
Adolphe Schwob, Inc., New York, N. Y. Watches, watch cases and movements. No. 122,528; Aug. 20; v. 253; p. 744.
Adolphe Schwob, Inc., New York, N. Y. Watches, watch-cases and watch-movements. No. 122,536; Aug. 20; v. 253; p. 744.
Adrian Knitting Company, The, Adrian, Mich. Knitted underwear. No. 123,957; Dec. 31; v. 257; p. 1075.
Adrian, William M., Quincy, Mass. Chemical preparation for removing stains from granite. No. 123,312; Oct. 29; v. 255; p. 1049.
Adt, John B., Baltimore, Md. Certain named driers, coolers, and cookers. No. 120,051; Jan. 8; v. 246; p. 563.
Adt, John B., assignor to The John B. Adt Company, Baltimore, Md. Certain named cutlery, machinery, and tools, and parts thereof. No. 121,383; Apr. 30; v. 249; p. 1217.
Advance Automobile Accessories Corp., Chicago, Ill. Linings for transmissions and brakes. No. 120,467; Feb. 12; v. 247; p. 475.
Advance Mill & Elevator Company, Carrollton, Ill. Self-rising flour. No. 120,310; Feb. 5; v. 247; p. 237.
Aerial Cutlery Manufacturing Company, Marinette, Wis. Certain named cutlery. No. 120,311; Feb. 5; v. 247; p. 237.
African Association, Limited, Liverpool, England. Logs for use as sawmill material. No. 121,150; Apr. 16; v. 249; p. 735.

Alphabetical list of registrants of trade-marks—Continued.

African Association Limited, Liverpool, England. Palm-seed kernels, rubber, ivory, and gum-copal. No. 122,051; June 25; v. 251; p. 835.
African Association Limited, Liverpool, England. Palm oil and kernels and cocoa for food purposes. No. 122,251; July 16; v. 252; p. 741.
African Association Limited, Liverpool, England. Certain named oils used as fuel and for illuminating or lubricating purposes. No. 122,252; July 16; v. 252; p. 741.
African Association Limited, Liverpool, England. Sheet-rubber. No. 123,181; Oct. 22; v. 255; p. 823.
Agan, Jennie, Los Angeles, Cal. Face creams and powder, tooth-powder, hair-tonic, &c. No. 121,030; Apr. 2; v. 249; p. 231.
Agnew, Elmer J., Pontiac, Ill. Yeast. No. 121,843; June 11; v. 251; p. 457.
Airtravel Corporation, New York, N. Y. Magazine published monthly. No. 120,468; Feb. 12; v. 247; p. 475.
Aitken, Hugh W., Glasgow, Scotland. Antifriction metals. No. 122,254; July 16; v. 252; p. 741.
Ajax Metal Company, The, Philadelphia, Pa. Ingots, castings, including engine-castings, and Babbitt metal. No. 120,320; Feb. 5; v. 247; p. 237.
Ajax Rubber Company, Inc., Millbrook, N. Y. Tires composed of rubber and fabric. No. 121,031; Apr. 2; v. 249; p. 231.
Ajax Rubber Company, Inc., Millbrook, N. Y. Inner tubes for tires. No. 121,384; Apr. 30; v. 249; p. 1217.
Ajax Rubber Company, Inc., Millbrook, N. Y. Certain named pneumatic-tire accessories. No. 123,413; Nov. 12; v. 256; p. 447.
Aksala Company, Syracuse, Nebr., and Chicago, Ill. Anti-freezing liquid for automobile-radiators and gas-engines. No. 121,844; June 11; v. 251; p. 457.
Aktieselskabet Scandinavian Pencil Wood Company, Odense and Kjøge, Denmark. Wood which by treatment has been made suitable for pencil-wood. No. 120,052; Jan. 8; v. 246; p. 563.
Aktieselskabet Roulunds Fabrikker, Odense, Denmark. Textile belting and conveying-bands. No. 120,469; Feb. 12; v. 247; p. 475.
Alabama-Georgia Syrup Company, Montgomery, Ala. Table-syrup. No. 120,005; Jan. 1; v. 246; p. 297.
Alaska Fish Co., Seattle, Wash. Canned salmon. No. 123,009; Oct. 8; v. 255; p. 361.
Alaska Pacific Herring Co., Seattle, Wash. Canned salmon. No. 120,312; Feb. 5; v. 247; p. 237.
Alaska Pacific Herring Co., Seattle, Wash. Salt herrings in kegs and barrels. No. 123,958; Dec. 31; v. 257; p. 1075.
Albany Coca-Cola Bottling Company, Albany, Ga. Ginger-ale, grape-juice, root-beer, and soda-water. No. 121,741; May 28; v. 250; p. 993.
Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. No. 120,309; Feb. 5; v. 247; p. 237.
Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. No. 120,812; Mar. 12; v. 248; p. 495.
Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. No. 121,742; May 28; v. 250; p. 993.
Albert D. Howlett Company, Boston, Mass. Certain named paints and painters' materials. No. 121,897; June 11; v. 251; p. 458.
Albert Dickinson Company, The, Chicago, Ill. Certain named foods. No. 122,447; Aug. 20; v. 253; p. 742.
Albert H. Weinbrenner Co., Milwaukee, Wis. Shoes made of leather, canvas, rubber, and a combination of said materials. No. 121,840; May 28; v. 250; p. 996.
Alcemo Manufacturing Company, Newark, N. J. Non-freeze compound applicable for the radiators of automobiles. No. 122,174; July 9; v. 252; p. 499.
Alcemo Manufacturing Company, Newark, N. J. Tire-sealing compound. No. 122,296; July 23; v. 252; p. 957.
Alexander, L. R., Fort Worth, Tex. Preparation for dandruff, falling hair, and scalp diseases. No. 121,847; June 11; v. 251; p. 457.
Alexander & Littlefield Company, New York, N. Y. Egg-beaters. No. 123,182; Oct. 22; v. 255; p. 823.
Alfa-Celo Corporation, The, Los Angeles, Cal. Malted milk. No. 122,122; July 2; v. 252; p. 241.
Alfo Products Company, The, Decatur, Ind. Non-alcoholic maltless beverage and syrup for making same. No. 123,682; Dec. 3; v. 257; p. 187.
Aljo Chemical Co., Buffalo, N. Y., Varnish-preservative. No. 123,959; Dec. 31; v. 257; p. 1075.
All-Package Grocery Stores Co., New York, N. Y. Certain named toilet preparations. No. 120,053; Jan. 8; v. 246; p. 563.
Allen, Dan W., Evanston, Ill. Furniture-polish. No. 122,297; July 23; v. 252; p. 957.
Allen, Frank H., Tampa, Fla. Bread. No. 121,385; Apr. 30; v. 249; p. 1217.
Allen, George H., Clinton, N. Y. Hulled corn, dried and canned. No. 122,000; June 18; v. 251; p. 671.
Allen, Henry W., Ridgeville, Conn. Tooth-paste, liquid tooth-wash, and dental soap. No. 121,386; Apr. 30; v. 249; p. 1217.
Allen, Jennie L., Long Beach, Cal. Children's feeding-bibs. No. 120,931; Mar. 19; v. 248; p. 763.
Allen, Jennie L., Long Beach, Cal. Children's dresses, rompers, suits, and undergarments. No. 121,387; Apr. 30; v. 249; p. 1217.
Allen Motor Co., The, Fostoria, Ohio. Automobiles of the pleasure-car type. No. 120,699; Mar. 5; v. 248; p. 229.
Allen Pressure System Co., New York, N. Y. Valves, pressure-reducers, and piping used in equipment for a dispensing system. No. 120,153; Jan. 15; v. 246; p. 819.
Allison, Thomas W., Chester, Pa. Steel and iron forgings and castings. No. 123,529; Nov. 19; v. 256; p. 639.
Alloy Metal Products Corporation, Wilmington, Del., and New York, N. Y. Valves for gas and other explosive engines. No. 123,960; Dec. 31; v. 257; p. 1075.
Altonaer Margarine-Werke Mohr & Co., G. m. b. H., Altona-Ottensen, Germany. Vegetable food extract. No. 122,253; July 16; v. 252; p. 741.
Aluminum Goods Mfg. Company, Manitowoc, Wis. Aluminum cooking utensils and household goods. No. 122,123; July 2; v. 252; p. 241.
Aluminum Products Company, Lagrange, Ill. Aluminum kitchen cooking utensils. No. 122,052; June 25; v. 251; p. 835.
Alvo Company, The, Ashland, Ohio. Athletic underwear, union-suits, pajamas, shirts, &c. No. 120,235; Jan. 29; v. 246; p. 1199.
Amaessa Products Co., Inc., New York, N. Y. Baking-powder and salt. No. 123,311; Oct. 29; v. 255; p. 1049.
Amaessa Products Co., Inc., New York, N. Y. Certain named foods. No. 123,683; Dec. 3; v. 257; p. 187.
Amaessa Products Co., Inc., New York, N. Y. Soap. No. 123,684; Dec. 3; v. 257; p. 187.
Amalgamated Machinery Corporation, Chicago, Ill. Certain named metal-working machinery. No. 122,414; Aug. 20; v. 253; p. 741.
Amalgamated Oil Gas Corporation, New York, N. Y. Apparatus for vaporizing and burning oil in ranges, stoves, &c. No. 122,415; Aug. 20; v. 253; p. 741.
Amazon Products Co., Muskegon, Mich. Children's waist union-suits and infants' wrappers. No. 123,773; Dec. 10; v. 257; p. 403.
Amen Chemical Scientific Institute, The, New York, N. Y. Pills and ampuls for injections to be used as a treatment of tubercular affections. No. 121,233; Apr. 23; v. 249; p. 979.
American Agricultural Chemical Company, The, New York, N. Y. Fertilizer. No. 121,151; Apr. 16; v. 249; p. 735.
American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. No. 122,363; July 30; v. 252; p. 1139.
American Auto Products Company, The, Denver, Colo. Silencers and braces for automobile steering-rods. No. 121,389; Apr. 30; v. 249; p. 1217.
American Boiler Life Company, Boston, Mass. Chemical composition for certain named purposes. No. 121,845; June 11; v. 251; p. 457.
American Burtonizing Company, New York, N. Y. Non-intoxicating maltless beverages. No. 120,539; Feb. 19; v. 247; p. 741.
American Butterine Co., Jersey City, N. J. Oleomargarin. No. 121,120; Apr. 9; v. 249; p. 503.
American Candy Co., Milwaukee, Wis. Chocolates and candy goods of various kinds. No. 121,234; Apr. 23; v. 249; p. 979.
American Candy Manufacturing Co., Selma, Ala. Stick-candy. No. 123,962; Dec. 31; v. 257; p. 1075.
American Chicle Company, New York, N. Y. Candy breath-deodorizers. No. 121,743; May 28; v. 250; p. 993.
American Core-Twine Company, Boston, Mass. Twines, clothes-lines, seaming-cords. No. 123,010; Oct. 8; v. 255; p. 361.
American Drug & Press Association, Decorah, Iowa. Certain named toilet preparations. No. 120,313; Feb. 5; v. 247; p. 237.
American Encaustic Tiling Co. Ltd., Zanesville, Ohio; Mauer, N. J., and New York, N. Y. Faience clay tiles for the surfaces of walls, floors, and ceilings. No. 123,011; Oct. 8; v. 255; p. 361.
American Engine & Tractor Company, Charles City, Iowa. Farm-tractors. No. 123,963; Dec. 31; v. 257; p. 1075.
American Fastener Co., Waterbury, Conn. Metal snap-fasteners for wearing-apparel. No. 120,236; Jan. 29; v. 246; p. 1199.
American Graphophone Company, assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Talking-machines, talking-machine records, needles, and automatic stops. No. 123,012; Oct. 8; v. 255; p. 361.
American Grocery Co., The, Minneapolis and St. Paul, Minn. Eggs, creamery-butter, mustard, cloves, sage, ginger. No. 123,961; Dec. 31; v. 257; p. 1075.
American Hominy Company, Indianapolis, Ind. White corn-flour. No. 122,563; Aug. 27; v. 253; p. 949.
American La France Fire Engine Co. Inc., Elmira, N. Y. Fire-engines, water-towers, fire apparatus, hand-extinguishers, &c. No. 122,769; Sept. 17; v. 254; p. 651.

Alphabetical list of registrants of trade-marks—Continued.

American La France Fire Engine Co., Inc., Elmira, N. Y. Nozzles and play-pipes. No. 123,079; Oct. 15; v. 255; p. 605.
American La France Fire Engine Co., Inc., Elmira, N. Y. Electric seach-lights and lanterns. No. 123,080; Oct. 15; v. 255; p. 605.
American La France Fire Engine Co., Inc., Elmira, N. Y. Respiratory devices. No. 123,081; Oct. 15; v. 255; p. 605.
American La France Fire Engine Co. Inc., Elmira, N. Y. Rubber-lined cotton-fabric hose. No. 123,774; Dec. 10; v. 257; p. 403.
American Lady Corset Company, Detroit, Mich. Corsets. No. 123,530; Nov. 19; v. 256; p. 639.
American Laundry Machinery Company, The, Norwood, Ohio. Garment-pressing machines. No. 120,540; Feb. 19; v. 247; p. 741.
American Lead Pencil Co., New York, N. Y. Rubber erasers. No. 120,054; Jan. 8; v. 246; p. 563.
American Macaroni Co., The, Milwaukee, Wis. Macaroni, noodles, spaghetti, and vermicelli. No. 122,001; June 18; v. 251; p. 671.
American Machine Products Co., Marshalltown, Iowa. Motor-pistons and cut-outs and vehicle-wheel pullers. No. 120,702; Mar. 5; v. 248; p. 229.
American Manganese Bronze Company, Inc., New York, N. Y., and Philadelphia, Pa. Propellers for boats. No. 120,006; Jan. 1; v. 246; p. 297.
American Marble Cleaning and Bleaching Co., New York, N. Y. Detergent compound for cleaning polished and unpolished surfaces. No. 120,314; Feb. 5; v. 247; p. 237.
American Metal Company, Limited, The, New York, N. Y. Zinc-oxid paint-pigment. No. 122,416; Aug. 20; v. 253; p. 741.
American Metal Company Limited, The, New York, N. Y. Zinc oxid used as a filler for rubber goods. No. 122,944; Oct. 1; v. 255; p. 157.
American Mustard Company, Inc., New York, N. Y. American mustard. No. 123,184; Oct. 22; v. 255; p. 823.
American Nitrogen Products Company, Seattle, Wash. Certain named nitrogen products. No. 120,315; Feb. 5; v. 247; p. 237.
American Nitrogen Products Company, Seattle, Wash. Certain named nitrogen products. No. 122,665; Sept. 10; v. 254; p. 445.
American Olive Company, Los Angeles, Cal. Canned tomato sauce and canned olives. No. 121,846; June 11; v. 251; p. 457.
American Olive Company, Los Angeles, Cal. Canned ripe olives. No. 122,564; Aug. 27; v. 253; p. 949.
American Optical Company, Southbridge, Mass. Certain named measuring and scientific appliances. No. 121,573; May 14; v. 250; p. 509.
American Optical Company, Southbridge, Mass. Certain named measuring and scientific appliances and parts. No. 122,175; July 9; v. 252; p. 499.
American Optical Company, Southbridge, Mass. Ophthalmic mountings and parts thereof. No. 122,176; July 9; v. 252; p. 499.
American Optical Company, Southbridge, Mass. Certain named articles made of precious metal. No. 123,414; Nov. 12; v. 256; p. 447.
American Pacific Whaling Company, Tacoma, Wash. Fresh and frozen whale-meat. No. 123,313; Oct. 29; v. 255; p. 1049.
American Photo Player Company, Berkeley, Cal. Pneumatically-operated organs and orchestrions. No. 123,082; Oct. 15; v. 255; p. 605.
American Pressweld Radiator Corporation, Detroit, Mich. Radiators, radiator-sections, fittings, and gas-heaters. No. 120,154; Jan. 15; v. 246; p. 819.
American Products Company, Detroit, Mich. Non-intoxicating cereal beverage of a malt nature. No. 123,531; Nov. 19; v. 256; p. 639.
American Rubber and Tire Company, The, Akron, Ohio. Elastic vehicle-tires. No. 122,418; Aug. 20; v. 253; p. 741.
American Safety Razor Co., Incorporated, Brooklyn, N. Y. Shaving-brushes. No. 122,565; Aug. 27; v. 253; p. 949.
American Steel Products Co., Macomb, Ill. Certain named cutlery, machinery, and tools and parts thereof. No. 122,255; July 16; v. 252; p. 741.
American Steel Products Co., Macomb, Ill. Steel fence-posts. No. 122,419; Aug. 20; v. 253; p. 741.
American Steel and Wire Company of New Jersey, The, Hoboken, N. J. Horseshoes and horseshoe-calks. No. 120,470; Feb. 12; v. 247; p. 475.
American Steel & Wire Company of New Jersey, Cleveland, Ohio. Barb-wire, woven-wire fencing, and wire fencing. No. 120,701; Mar. 5; v. 248; p. 229.
American Steel Wool Mfg. Co. Inc., New York, N. Y. Steel-wool used for grinding and polishing purposes. No. 123,415; Nov. 12; v. 256; p. 447.
American Stove Company, St. Louis, Mo. Wood, coal, gas, and vapor stoves and heaters. No. 120,471; Feb. 12; v. 247; p. 473.
American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Molasses. No. 121,536; May 7; v. 250; p. 251.
American Sugar Refining Company, Jersey City, N. J., and New York, N. Y. Syrup for use as a food. No. 121,537; May 7; v. 250; p. 251.
American Tar Products Company, Wilmington, Del., and Chicago, Ill. Wood-preserver for preserving timbers. No. 122,053; June 25; v. 251; p. 835.
American Textile Export Corporation, New York, N. Y. Cotton, cotton and silk, and cotton and artificial-silk piece goods. No. 121,744; May 28; v. 250; p. 993.
American Textiles Export Corporation, Jersey City, N. J., and New York, N. Y. Cotton blankets. No. 122,364; July 30; v. 252; p. 1139.
American Thread Company, The, Jersey City, N. J. Cotton thread and yarn. No. 122,417; Aug. 20; v. 253; p. 741.
American Tobacco Co., The, New York, N. Y. Smoking and chewing tobacco and cigarettes. No. 123,416; Nov. 12; v. 256; p. 447.
American Vulcanized Fibre Company, Wilmington, Del. Vulcanized fiber. No. 121,745; May 28; v. 250; p. 993.
American Watch Case Co., Inc., New York, N. Y. Watches, bracelet and sautoire watches, watch-movements. No. 120,319; Feb. 5; v. 247; p. 237.
Ammann, Henry, Pittsburgh, Pa. Cleaning liquid for shoes. No. 120,055; Jan. 8; v. 246; p. 563.
Ammon & Person, Jersey City, N. J. Oleomargarin. No. 120,626; Feb. 19; v. 247; p. 743.
Ammon & Person, Jersey City, N. J. Oleomargarin. No. 120,813; Mar. 12; v. 248; p. 495.
Amo Food Company, Stockport, N. Y. Baking-powder. No. 121,690; May 21; v. 250; p. 763.
Amoskeag Manufacturing Company, Manchester, N. H. Ginghams. No. 121,746; May 28; v. 250; p. 993.
Amovine Laboratories, New York, N. Y. Shampoo, toilet borax, face-lotions, hair-tonics, &c. No. 121,032; Apr. 2; v. 249; p. 231.
Amsterdam Coffee Co., Inc., New York, N. Y. Coffee. No. 120,541; Feb. 19; v. 247; p. 741.
Anable, Arthur S., New York, N. Y. Men's coats, pants, and vests. No. 122,666; Sept. 10; v. 254; p. 445.
Andersen-Meyer & Co., Ltd., New York, N. Y. Bristles, hair, and hair waste. No. 123,185; Oct. 22; v. 255; p. 823.
Anderson, Henry T., Baltimore, Md. Leather boots and shoes. No. 120,155; Jan. 15; v. 246; p. 819.
Anderson & McClinton, Clarkesville, Tex. Mattresses. No. 120,156; Jan. 15; v. 246; p. 819.
Anderson Motor Co., Rick Hill, S. C. Motor-cars. No. 121,388; Apr. 30; v. 249; p. 1217.
Anderson, Virgin M., Greenville, S. C. Preparation for the treatment of colds, malaria, &c. No. 123,686; Dec. 3; v. 257; p. 187.
Andes Exploration & Smelting Corporation, New York, N. Y. Tin in pig form. No. 120,703; Mar. 5; v. 248; p. 229.
Andover Laxine Water Company, Andover, Ohio. Mineral water. No. 122,365; July 30; v. 252; p. 1139.
Andron Hygienic Co., Inc., New York, N. Y. Patent medicine known as andron for the prevention of certain named diseases. No. 120,237; Jan. 29; v. 246; p. 1199.
Anheuser-Busch Brewing Association, St. Louis, Mo. Draft-beer. No. 120,157; Jan. 15; v. 246; p. 819.
Anker Glove Co., Inc., New York, N. Y. Leather and fabric gloves. No. 123,532; Nov. 19; v. 256; p. 639.
Annza Mfg. Co., Dallas, Tex. Face or complexion powder. No. 123,775 Dec. 10; v. 257; p. 403.
Ansted & Burk Co., The, Springfield, Ohio. Cornmeal. No. 122,945; Oct. 1; v. 255; p. 157.
Apalachee Packing Company, Apalachicola, Fla. Canned shrimp. Nos. 123,964–5; Dec. 31; v. 257; p. 1075.
Apex Company, Evansville, Ind. Spark-plugs. No. 122,770; Sept. 17; v. 254; p. 651.
Apothecaries Hall Company, Waterbury, Conn. Certain named chemicals, medicines, and pharmaceutical preparations. No. 122,002; June 18; v. 251; p. 671.
Apothecaries Hall Company, Waterbury, Conn. Fertilizers. No. 123,314; Oct. 29; v. 255; p. 1049.
Apparel Manufacturing Company, Chicago, Ill. Ladies' athletic union-underwear made of nainsooks, crapes, or silks. No. 123,534; Nov. 19; v. 256; p. 639.
Appleton Company, Lowell, Mass. Cotton flannels. No. 120,007; Jan. 1; v. 246; p. 297.
Appleton Company, Lowell, Mass. Cotton piece goods. No. 121,747; May 28; v. 250; p. 993.
Appleton Company, Lowell, Mass. Cotton piece goods. Nos. 122,054–8; June 25; v. 251; p. 835.
Appleton Company, Lowell, Mass. Fancy goods in the piece. No. 122,667; Sept. 10; v. 254; p. 445.
Appleton Company, Lowell, Mass. Shirtings. Nos. 122,668–9; Sept. 10; v. 254; p. 445.
Appleton Company, Lowell, Mass. Cotton piece goods. No. 123,883; Dec. 17; v. 257; p. 643.
Aranow, Frank, New York, N. Y. Face creams and lotions. No. 123,418; Nov. 12; v. 256; p. 447.
Arbuckle Brothers, New York, N. Y., and Chicago, Ill. Tea. No. 122,298; July 23; v. 252; p. 957.
Arbuthnot-Stephenson Co., Pittsburgh, Pa. Cotton piece goods. No. 120,473; Feb. 12; v. 247; p. 475.
Architectural Service Corporation, Philadelphia, Pa. Service-sheets for use in the construction, design, and equipment of building structures. No. 123,776; Dec. 10; v. 257; p. 403.

Alphabetical list of registrants of trade-marks—Continued.

Arent, Arthur, Des Moines, Iowa. Liquid for auto-radiators. No. 120,704; Mar. 5; v. 248; p. 229.
Argo Mills Co., The, Philadelphia, Pa. Cotton yarns. No. 122,420; Aug. 20; v. 253; p. 741.
Argus Manufacturing Company, Chicago, Ill. Pencil and pen clasps, paper-fasteners, and envelop-moisteners. No. 120,056; Jan. 8; v. 246; p. 563.
Arista Corporation, The, New York, N. Y. Tooth-paste or dental cream. No. 123,411; Nov. 12; v. 256; p. 447.
Armour and Company, Chicago, Ill. Oleomargarin. No. 120,316; Feb. 5; v. 247; p. 237.
Armour & Company, Ltd., London, England. Medicinal food. No. 120,814; Mar. 12; v. 248; p. 495.
Armstrong Cork Company, Pittsburgh, Pa. Slip-insoles for shoes. No. 120,057; Jan. 8; v. 246; p. 563.
Armstrong, Edward P., Portland, Oreg. Monthly periodicals. No. 120,815; Mar. 12; v. 248; p. 495.
Armstrong Packing Company, Dallas, Tex. Bacon, Vienna-style sausage, skinned and sugar-cured hams. No. 120,008; Jan. 1; v. 246; p. 297.
Armstrong Packing Company, Dallas, Tex. Sausage. No. 121,033; Apr. 2; v. 249; p. 231.
Armstrong Packing Company, Dallas, Tex. Lard substitute. No. 123,966; Dec. 31; v. 257; p. 1075.
Arney, Clarence M., Prosser, Wash. Compound for enriching gasolene. No. 122,670; Sept. 10; v. 254; p. 445.
Arnold, Emanuel, Herried, S. D. Medicine used in treating certain named diseases. No. 121,748; May 28; v. 250; p. 993.
Arnone, Cyrus, New York, N. Y. Hair-tonic. No. 120,158; Jan. 15; v. 246; p. 819.
Art Metal Construction Co., Jamestown, N. Y. Certain named metallic articles. No. 121,132; Apr. 9; v. 249; p. 503.
Art Metal Construction Co., Inc., Jamestown, N. Y. Catalogue published annually. No. 121,390; Apr. 30; v. 249; p. 1217.
Art-Tex Distributing Co., New York, N. Y. Women's knitted underwear. No. 123,777; Dec. 10; v. 257; p. 403.
Asher, Chester A., Philadelphia, Pa. Candy. No. 120,656; Feb. 26; v. 247; p. 961.
Associated Import & Export Co., Inc., New York, N. Y. Anilin dyes. No. 122,256; July 16; v. 252; p. 741.
Associated Tanners Machinery Co., Salem, Mass. Certain named leather-working machinery. No. 122,124; July 2; v. 252; p. 241.
Astra Electric Novelty Works, Inc., New York, N. Y. Electric batteries and flash-lights. No. 121,236; Apr. 23; v. 249; p. 979.
Astral, Limited, Hendon, England. Textile collars, cuffs, and shirt-fronts. No. 120,058; Jan. 8; v. 246; p. 563.
Athenian Manufacturing Company, Philadelphia, Pa. Medicinal tonic for certain named diseases, hair-tonic, foot-powder and facial cream. No. 120,059; Jan. 8; v. 246; p. 563.
Athol Manufacturing Company, Athol, Mass. Sleeping-bags or pockets. No. 121,848; June 11; v. 251; p. 457.
Atkinson Milling Company, Minneapolis, Minn. Wheat-flour. No. 123,967; Dec. 31; v. 257; p. 1075.
Atlantic Drier & Varnish Co., Philadelphia, Pa. Paste, ready-mixed, and liquid paints. No. 122,421; Aug. 20; v. 253; p. 741.
Atlantic Insulated Wire & Cable Company, Jersey City, N. J., and New York, N. Y. Insulated wire. Nos. 120,317–18; Feb. 5; v. 247; p. 237.
Atlantic Macaroni Co., The, Long Island City, N. Y. Macaroni, vermicelli, noodles. No. 122,003; June 18; v. 251; p. 671.
Atlantic Paint & Varnish Works, Inc., Wilmington, N. C. Roof and metal paint. No. 123,934; Dec. 24; v. 257; p. 813.
Atlantic Refining Company, The, Philadelphia, Pa. Medicinal and wool oils, petrolatums, and glycerinum petrae. No. 120,060; Jan. 8; v. 246; p. 563.
Atlas Auto Supply Company, Chicago, Ill. Compound for repairing rubber articles and cement to be used therewith. No. 120,238; Jan. 29; v. 246; p. 1199.
Atlas Specialty Co., Richmond, Va. Compound syrup for table use. No. 123,968; Dec. 31; v. 257; p. 1075.
Atlas Specialty Co., Richmond, Va. Molasses. No. 123,969; Dec. 31; v. 257; p. 1075.
Auburn Ignition Mfg. Co., Auburn, N. Y. Spark-plugs. No. 120,705; Mar. 5; v. 248; p. 229.
Auerbach & Sons, D., New York, N. Y. Candy. No. 121,034; Apr. 2; v. 249; p. 231.
Auerbach & Sons, D., New York, N. Y. Candies and chocolates. No. 122,004; June 18; v. 251; p. 671.
Ault Printing Ink Company, Brooklyn, N. Y., and Newark, N. J. Printing-inks and dry colors. No. 121,574; May 14; v. 250; p. 509.
Aultman & Taylor Machinery Co., The, Mansfield, Ohio. Threshing-machines. No. 121,575; May 14; v. 250; p. 509.
Aultman & Taylor Machinery Co., The, Mansfield, Ohio. Steam and internal-combustion engines. No. 121,576; May 14; v. 250; p. 509.
Aunt Jemima Mills Company, St. Joseph, Mo. Pancake, buckwheat, corn, and wheat flours. No. 120,159; Jan. 15; v. 246; p. 819.
Aunt Jemima Mills Company, St. Joseph, Mo. Pancake, buckwheat, corn, and wheat flours. No. 120,160; Jan. 15; v. 246; p. 819.
Aunt Jemima Mills Company, St. Joseph, Mo. Certain named foods for human consumption and animal feed. No. 123,884; Dec. 17; v. 257; p. 643.
Aurora Corset Company, Aurora, Ill. Corsets. No. 123,525; Nov. 19; v. 256; p. 639.
Auto Aids Mfg. Co., The, Chicago, Ill. Spark-plugs. No. 120,706; Mar. 5; v. 248; p. 229.
Auto-Ped Company of America, Long Island City, N. Y. Internal-combustion engines and parts for self-propelled vehicles. No. 120,932; Mar. 19; v. 248; p. 763.
Automatic Carbon Eliminator Co., Inc., The, New York, N. Y. Carbon-eliminators for internal-combustion engines. No. 121,577; May 14; v. 250; p. 509.
Automatic Pencil Sharpening Company, Chicago, Ill. Pencil-sharpener. No. 120,933; Mar. 19; v. 248; p. 763.
Automatic Record Company, Chicago, Ill. Blank sheets for record-books. No. 122,837; Sept. 24; v. 254; p. 861.
Automatic Record Company, Chicago, Ill. Fonts of type. No. 123,187; Oct. 22; v. 255; p. 823.
Automatic Record Company, Chicago, Ill. Printed books. No. 123,778; Dec. 10; v. 257; p. 403.
Autopiano Company, New York, N. Y. Pianos, organs, player pianos and actions, note-sheets. No. 122,257; July 16; v. 252; p. 741.
Autopower Company, Detroit, Mich. Power-transmission attachments for motor-vehicles. No. 121,578; May 14; v. 250; p. 509.
Autoyre Co., The, Oakville, Conn. Snap-fasteners. No. 123,417; Nov. 12; v. 256; p. 447.
Aylies, Adrien J., Boston, Mass. Pharmaceutical preparation for shampoo and hair-cleanser. No. 121,579; May 14; v. 250; p. 509.
B. A. Railton Co., Chicago, Ill. Prepared mustard, India relish, salad-dressing, chilli sauce, &c. No. 121,208; Apr. 16; v. 249; p. 736.
B. F. Goodrich Company, The, New York, N. Y. Rubber boots with leather tops. No. 120,188; Jan. 15; v. 246; p. 820.
B. F. Goodrich Company, The, New York, N. Y. Rubber shoes. No. 120,189; Jan. 15; v. 246; p. 820.
B. F. Goodrich Company, New York, N. Y. Conveyer-belts of rubber reinforced with fabric. No. 123,809; Dec. 10; v. 257; p. 404.
B. F. Sturtevant Co., Hyde Park, Mass., and Keene, N. H. Wood and leather heels, soles, and shoes. No. 120,297; Jan. 29; v. 246; p. 1201.
Bach, Louis S., Chicago, Ill. Hat-linings. No. 121,391; Apr. 30; v. 249; p. 1217.
Baer, Isaac, Meeker, Colo. Butter. No. 122,368; July 30; v. 252; p. 1139.
Baer and Wilde Co., The, Attleboro, Mass. Cuff-buttons. No. 121,749; May 28; v. 250; p. 993.
Bahr Bros. Manufacturing Co., Marion Ind. Certain named cutlery, machinery, and tools, and parts thereof. No. 123,536; Nov. 19; v. 256; p. 639.
Baird-North Co., Providence, R. I. Certain named jewelry and precious-metal ware. No. 120,542; Feb. 19; v. 247; p. 741.
Baker & Bennett Co., New York, N. Y. Character-blocks illustrating nursery-rhymes. No. 123,315; Oct. 29; v. 255; p. 1049.
Baker, John W., Stamford, Conn. Game-boards and pieces to be used therewith. No. 121,152; Apr. 16; v. 249; p. 735.
Baker, John W., Stamford, Conn. Game-boards and pieces to be used therewith. No. 121,580; May 14; v. 250; p. 509.
Baker, Murray & Imbrie, Inc., New York, N. Y. Certain named clothing. No. 122,566; Aug. 27; v. 253; p. 949.
Baker, William A., Toledo, Ohio. Thermometers and telethermometers and parts thereof. No. 120,937; Mar. 19; v. 248; p. 763.
Baldwin Perfumery Co., The, Chicago, Ill. Perfume, toilet water, sachet, face-powder, &c. No. 120,239; Jan. 29; v. 246; p. 1199.
Baldwin Perfumery Co., The, Chicago, Ill. Perfume, toilet water, face-powder, sachet, &c. No. 120,543; Feb. 19; v. 247; p. 741.
Balfour, Guthrie & Co., San Francisco, Cal. Orchard-sprays. No. 120,816; Mar. 12; v. 248; p. 495.
Balfour, Guthrie & Co., San Francisco, Cal. Orchard-sprays. No. 121,153; Apr. 16; v. 249; p. 735.
Ball, James P., Chicago, Ill. Preservatives for eggs. No. 123,316; Oct. 29; v. 255; p. 1049.
Ballard, Arthur, New York, N. Y. Preparation for the treatment of rheumatism, neuritis, itch, &c. No. 123,318; Oct. 29; v. 255; p. 1049.
Baltimore Bargain House, Baltimore, Md. Unbleached sheeting. No. 122,005; June 18; v. 251; p. 671.
Baltimore Bargain House, Baltimore, Md. Overalls and coats. No. 122,567; Aug. 27; v. 253; p. 949.
Baltimore Pearl Hominy Company, Baltimore, Md. Cornmeal, corn flour and flakes, hominy-grits. No. 120,935; Mar. 19; v. 248; p. 763.
Baltimore Pearl Hominy Company, Baltimore, Md. Refined corn-oil for cooking. No. 123,537; Nov. 19; v. 256; p. 639.

Alphabetical list of registrants of trade-marks—Continued.

Balz, George A., Rahway, N. J. Refractory cement. No. 121,538; May 7; v. 250; p. 251.
Bankers Supply Company, The, Denver, Colo., and Chicago, Ill. Certain named paper and stationery. No. 121,750; May 28; v. 250; p. 993.
Banner Cigar Manufacturing Co., The, Detroit, Mich. Cigars. No. 122,180; July 9; v. 252; p. 499.
Barber Asphalt Paving Company, The, Philadelphia, Pa. Bituminous road-oil and liquid asphalt. No. 121,850; June 11; v. 251; p. 457.
Barber, Bessie L., Los Angeles, Cal. Lotion for removing skin blemishes. No. 122,422; Aug. 20; v. 253; p. 741.
Barber Manufacturing Company, Anderson, Ind. Bed-springs and seat-spring constructions. No. 120,707; Mar. 5; v. 248; p. 229.
Barber Milling Company, Minneapolis, Minn. Wheat-flour. No. 122,299; July 23; v. 252; p. 957.
Barbour, Mattie C., Lexington, Ky. Liquid for the removal of discolorations from leather, paper, textile, and other fabrics. No. 123,419; Nov. 12; v. 256; p. 447.
Barker Bros., Los Angeles, Cal. Magazine. No. 123,779; Dec. 10; v. 257; p. 403.
Barnes, James, Waterloo, Sydney, New South Wales, Australia. Corned beef. No. 121,855; June 11; v. 251; p. 457.
Barnes, W. Porter, Santa Rosa, Cal. Fuel intensifier and decarbonizer. No. 121,237; Apr. 23; v. 249; p. 979.
Barnet Leather Co., New York, N. Y. Finished calf-leather. No. 120,061; Jan. 8; v. 246; p. 563.
Barnet & Son, Sol, New York, N. Y. Tanned and finished sheep, goat, &c., skins. No. 123,188; Oct. 22; v. 255; p. 823.
Barnsley & Sons, Geo., Sheffield, England. Certain named metals and metal castings and forgings. No. 121,851; June 11; v. 251; p. 457.
Barnsley & Sons, Geo., Sheffield, England. Certain named cutlery, machinery, and tools and parts thereof. Nos. 122,260–1; July 16; v. 252; p. 741.
Barr, Morris A., Ardmore, Pa. Natural mineral water. No. 120,936; Mar. 19; v. 248; p. 763.
Barrett Company, The, New York, N. Y. Tarry coating for roads and other surfaces. Nos. 121,852–4; June 11; v. 251; p. 457.
Barrett Company, The, New York, N. Y. Sheathing-paper. No. 122,300; July 23; v. 252; p. 957.
Barriga Samper & Cia., New York, N. Y., and Bogota, Colombia. Preserved fruit-juices for use in making soft drinks. No. 122,771; Sept. 17; v. 254; p. 651.
Barrow Mfg. Co., New York, N. Y. Ladies' and misses' one and two piece flat underwear. No. 122,177; July 9; v. 252; p. 499.
Barton, James D., Chicago, Ill. Oil for treating and preserving the handles of golf and similar athletic clubs. No. 121,035; Apr. 2; v. 249; p. 231.
Baruxes, Christ, New York, Ohio. Candies, chocolates, and bonbons. No. 121,124; Apr. 9; v. 249; p. 503.
Barwell, John W., Waukegan, Ill. Malted milk and a compound comprising malted milk and honey for making drinks. No. 120,321; Feb. 5; v. 247; p. 237.
Basic Products Corporation, New York, N. Y. Certain named hardware and plumbing and steam-fitting supplies. No. 123,538; Nov. 19; v. 256; p. 639.
Batavia Rubber Co., The, Batavia, N. Y. Pneumatic rubber tires. No. 121,751; May 28; v. 250; p. 993.
Batchelor Flour Mill Co., Waterville, Me. Certain named food. No. 122,406; Aug. 13; v. 253; p. 509.
Bates Mfg. Co., Lewiston, Me. Bedspreads. No. 123,189; Oct. 22; v. 255; p. 823.
Bates Street Shirt Company, Lewiston, Me. Men's cotton, linen, and silk fabric overshirts, undershirts, underdrawers, and night-robes. No. 122,569; Aug. 27; v. 253; p. 949.
Batterman Truitt Company, Chicago, Ill. Ventilating-louvers. No. 123,780; Dec. 10; v. 257; p. 403.
Bauer & Black, Chicago, Ill. Certain named surgical supplies. No. 120,817; Mar. 12; v. 248; p. 495.
Bauer & Black, Chicago, Ill. Oil-muslin and rubber sheeting. No. 121,154; Apr. 16; v. 249; p. 735.
Baum, Leo, Milwaukee, Wis. Non-alcoholic non-intoxicating beverages sold as soft drinks. No. 122,838; Sept. 24; v. 254; p. 861.
Baumgartner, H. W., Chicago, Ill. Trade-paper published monthly. No. 122,949; Oct. 1; v. 255; p. 157.
Baxt, Edward, Philadelphia, Pa. Certain named foods. No. 122,301; July 23; v. 252; p. 957.
Beacon Falls Rubber Shoe Co., Beacon Falls, Conn. Leather, fabric, and rubber boots and shoes. No. 123,190; Oct. 22; v. 255; p. 823.
Beacon Shirt Co., New York, N. Y. Dress, negligée, and work shirts. No. 122,570; Aug. 27; v. 253; p. 949.
Beall Brothers, Alton, Ill. Coal-pick handles. No. 120,322; Feb. 5; v. 247; p. 237.
Beall Brothers, Alton, Ill. Shovels, scoops, and spades. Nos. 120,323–5; Feb. 5; v. 247; p. 237.
Bean Spray Pump Co., San Jose, Cal. Spraying apparatus for trees and plants, centrifugal pumps, and tractors. No. 121,238; Apr. 23; v. 249; p. 979.
Beau-Site Company, New York, N. Y. Malt extracts, ales, and beers. No. 120,818; Mar. 12; v. 248; p. 495.
Beau-Site Company, The, New York, N. Y. Brandies, rum, gin, cocktails, and liqueurs. No. 121,036; Apr. 2; v. 249; p. 231.
Beau-Site Company, The, New York, N. Y. Wines and champagnes. No. 121,691; May 21; v. 250; p. 763.
Beau-Site Company, The, New York, N. Y. Certain named toilet preparations and bitters for mixing purposes. No. 122,125; July 2; v. 252; p. 241.
Beau-Site Company, The, New York, N. Y. Toilet soap, shaving-soap, and shaving-cream. No. 122,179; July 9; v. 252; p. 499.
Beau-Site Company, The, New York, N. Y. Certain named extracts and colorings used in making soft drinks. No. 122,839; Sept. 24; v. 254; p. 861.
Beaufort Truck Growers Association, Beaufort, S. C. Fresh potatoes. No. 121,539; May 7; v. 250; p. 251.
Beaumont Manufacturing Company, Spartanburg, S. C. Cotton duck and cotton osnaburg. No. 123,887; Dec. 17; v. 257; p. 643.
Beaver Varnish Company, The, Buffalo, N. Y. Paste and ready-mixed paints and varnishes. No. 120,326; Feb. 5; v. 247; p. 237.
Beck, Mitchell, New York, N. Y. Canned salmon. No. 123,539; Nov. 19; v. 256; p. 639.
Beckman Company, The, Cleveland, Ohio. Bed-blankets. No. 123,888; Dec. 17; v. 257; p. 643.
Becktel, Eve, New York, N. Y. Preparation for treating eyelashes. No. 123,420; Nov. 12; v. 256; p. 447.
Becton, Dickinson & Co., Rutherford, N. J. Clinical thermometers, hypodermic syringes, and parts thereof. No. 120,240; Jan. 29; v. 246; p. 1199.
Bedford Silica Sand Company, The, Cleveland, Ohio. Plaster composition. No. 120,474; Feb. 12; v. 247; p. 475.
Beech-Nut Packing Co., Canajoharie, N. Y. Candies. No. 122,059; June 25; v. 251; p. 835.
Beekman Paper and Card Company, New York, N. Y. Writing and printing papers. No. 122,178; July 9; v. 252; p. 499.
Behrendt, Frank E., Chicago, Ill. Talking-machines, needles, records, tone-arms, sound-boxes, reproducers. No. 122,840; Sept. 24; v. 254; p. 861.
Belto Manufacturing Company, The, Cincinnati, Ohio. Round treated woven textile-fabric belting. No. 120,475; Feb. 12; v. 247; p. 475.
Bemis Bro. Bag Co., St. Louis, Mo. Cotton bags. No 120,242; Jan. 29; v. 246; p. 1199.
Bemis Manufacturing Associates, Boston, Mass. Adhesive material in sheets or strips for joining fabrics, &c. No. 123,087; Oct. 15; v. 255; p. 605.
Benjamin Electric Manufacturing Company, Chicago, Ill. Regulating devices for electric lamps. No. 122,181; July 9; v. 252; p. 499.
Benn Lumber Company, Inc., The, Cincinnati, Ohio. Lumber. No. 122,183; July 9; v. 252; p. 499.
Bennett & Bennett, Brooklyn, N. Y. Certain named detergent, abrasive, and polishing materials. No. 120,241; Jan. 29; v. 246; p. 1199.
Bennett-Gumpper-Wright Company, Detroit, Mich. Carbon-remover and lubricant for use in connection with liquid fuel. No. 121,037; Apr. 2; v. 249; p. 231.
Bentley & Twohey Silk Co., New York, N. Y. Silk and silk and wool goods in the piece. No. 121,393; Apr. 30; v. 249; p. 1217.
Bentley & Twohey Silk Co., New York, N. Y. Silk piece goods. No. 121,752; May 28; v. 250; p. 993.
Bentz, Newton C., Sr., Hastings, Fla. Food drink. No. 121,136; Apr. 9; v. 249; p. 503.
Berdan & Co., assignor to The Berdan Company, Toledo, Ohio. Certain named canned goods. No. 123,319; Oct. 29; v. 255; p. 1049.
Berg, Frederick O., Spokane, Wash. Manufactured cotton-duck goods. No. 120,476; Feb. 12; v. 247; p. 475.
Berkshire Mills, New York, N. Y. Woven cotton fabric. No. 123,844; Dec. 10; v. 257; p. 405.
Berman, Oscar A., Cincinnati, Ohio. Certain named wearing-apparel. No. 123,781; Dec. 10; v. 257; p. 403.
Berney, Clifton A., Mobile, Ala. Candies. No. 123,540; Nov. 19; v. 256; p. 639.
Bernhard Ulmann Co., Inc., New York, N. Y. Slippers, shoes, bootees, soles, and linings for slippers or shoes, &c. No. 120,302; Jan. 29; v. 246; p. 1201.
Bernhard Ulmann Co., Inc., New York, N. Y. Certain named prints and publications. No. 120,477; Feb. 12; v. 247; p. 475.
Bernhard Ulmann Co., Inc., New York, N. Y. Threads and yarns of wool, worsted, &c. Nos. 122,950–1; Oct. 1; v. 255; p. 157.
Bernstein Manufacturing Company, Philadelphia, Pa. Bedsteads, bed-springs, and mattresses. No. 122,184; July 9; v. 252; p. 499.
Berry, B. A., Toledo, Ohio. Lard. No. 122,952; Oct. 1; v. 255; p. 157.
Berry, Ella R., St. Louis, Mo. Certain named pharmaceutical preparations for toilet purposes. No. 122,407; Aug. 13; v. 253; p. 509.
Berry, Nella E., Buffalo, N. Y. Certain named toilet preparations and remedies for external use. No. 120,062; Jan. 8; v. 246; p. 563.
Best-Clymer Manufacturing Company, St. Louis, Mo. Apple-butter, fruit preserves and jellies. No. 121,038; Apr. 2; v. 249; p. 231.
Bestever Products Co., Chicago, Ill. Substitute for eggs. No. 122,671; Sept. 10; v. 254; p. 445.

Alphabetical list of registrants of trade-marks—Continued.

Betancur, Manuel, New York, N. Y. Coffee. No. 123,365; Oct. 29; v. 255; p. 1050.
Bethlehem Motors Corporation, Allentown, Pa. Automobile-t ucks. No. 123,013; Oct. 8; v. 255; p. 361.
Betterton-Rupert Coffee Co., Ashland, Ky. Roasted coffee. No. 122,672; Sept. 10; v. 254; p. 445.
Beyer, David S., Boston, Mass. First-aid or emergency cases. No. 121,155; Apr. 16; v. 249; p. 735.
Bhisey, Shanker A., New York, N. Y. Medicinal preparation for the treatment of fevers, colds, colic, &c. No. 120,783; Mar. 5; v. 248; p. 231.
Bier, M. D., Joseph, New York, N. Y. Healing prophylactic powder for certain named diseases and conditions. No. 122,367; July 30; v. 252; p. 1139.
Big Four Canning Company, Stanley, Wis. Canned peas and sauer-kraut. No. 122,007; June 18; v. 251; p. 671.
Big Four Canning Company, Stanley and Eau Claire, Wis. Canned peas. No. 122,423; Aug. 20; v. 253; p. 741.
Big Four Canning Company, Stanley, Wis. Canned peas and sauer-kraut. No. 122,633; Sept. 3; v. 254; p. 221.
Big Wizard Chemical Co., The, Cincinnati, Ohio. Certain named abrasive, detergent, and polishing materials. No. 121,856; June 11; v. 251; p. 457.
Billow Washable Pillow Company, The, Columbus, Ohio. Pillows. No. 120,009; Jan. 1; v. 246; p. 297.
Binney & Smith Co., New York, N. Y. Artists' crayons. No. 121,394; Apr. 30; v. 249; p. 1217.
Binns, Edward H., Pittsburgh, Pa. Pocket eyeglass-shields. No. 120,243; Jan. 29; v. 246; p. 1199.
Birdsey-Somers Company, New York, N. Y. Corsets. No. 120,244; Jan. 29; v. 246; p. 1199.
Birdsey-Somers Company, New York city, N. Y. Brassières. No. 122,008; June 18; v. 251; p. 671.
Birdsey-Somers Company, New York, N. Y. Corsets. No. 122,571; Aug. 27; v. 253; p. 949.
Birk Bros. Brewing Co., Chicago, Ill. Non-intoxicating malt beverage to be sold as a soft drink. No. 123,421; Nov. 12; v. 256; p. 447.
Birkenfeld, Strauss & Co., New York, N. Y. Ladies' combination-underwear. No. 123,783; Dec. 10; v. 257; p. 403.
Birmingham Macaroni Company, Birmingham, Ala. Macaroni, spaghetti, macaroni-paste. No. 123,325; Oct. 29; v. 255; p. 1049.
Bisceglia Bros., San Jose, Cal. Certain named foods. No. 122,424; Aug. 20; v. 253; p. 741.
Bisceglia Bros., San Jose, Cal. Canned peaches, cherries, apricots, pears, tomato-pulp. No. 123,088; Oct. 15; v. 255; p. 605.
Bishop & Company, Los Angeles, Cal. Eating-chocolate. No. 123,320; Oct. 29; v. 255; p. 1049.
Bizzoni Process Co. Inc., New York, N. Y. Embalming liquids. Nos. 123,784–5; Dec. 10; v. 257; p. 403.
Blach & Sons, J., Birmingham, Ala. Men's outer suits and overcoats. No. 120,010; Jan. 1; v. 246; p. 297.
Black Eagle Manufacturing Co., Birmingham, Ala. Compound for treating belts, ropes, and cables. No. 121,039; Apr. 2; v. 249; p. 231.
Black Medicine Company, The, San Diego, Cal. Preparation for the treatment of diseases of the stomach. No. 121,241; Apr. 23; v. 249; p. 979.
Blair, James B., Decatur, Ill. Electrically-operated stop and direction indicators for vehicles. No. 122,772; Sept. 17; v. 254; p. 651.
Blanke Baer Chemical Company, St. Louis, Mo. Flavoring-paste for foods. No. 122,773; Sept. 17; v. 254; p. 651.
Blanke Wenneker Candy Company, St. Louis, Mo. Candy. No. 120,327; Feb. 5; v. 247; p. 237.
Blaskopf & Co., New York, N. Y. Outer suits and dresses. No. 122,182; July 9; v. 252; p. 499.
Blaskopf & Co., New York, N. Y. Ladies' underwear made of woven material. No. 123,191; Oct. 22; v. 255; p. 823.
Blatchford's Calf Meal Factory, Waukegan, Ill. Certain named foods. No. 120,328; Feb. 5; v. 247; p. 237.
Blatchford's Calf Meal Factory, Waukegan, Ill. Meal, calf, pig, &c., meals each being a compounded ground feed for animals. No. 120,819; Mar. 12; v. 248; p. 495.
Blatchford's Calf Meal Factory, Waukegan, Ill. Meal—a compounded ground feed composed of cereals and other suitable ingredients for poultry. No. 120,820; Mar. 12; v. 248; p. 495.
Blatchford's Calf Meal Factory, Waukegan, Ill. Certain named foods. No. 121,857; June 11; v. 251; p. 457.
Bliss, Elmer J., Boston, Mass. Gages and size-sticks for fitting shoes. No. 121,250; Apr. 23; v. 249; p. 979.
Bliss Laboratories, Inc., New York, N. Y. Toilet preparations. No. 123,935; Dec. 24; v. 257; p. 813.
Bliven & Carrington, Inc., New York, N. Y. Lubricating-oils. No. 121,251; Apr. 23; v. 249; p. 979.
Bliven & Carrington, Inc., New York, N. Y. Lubricating-oils. No. 122,427; Aug. 20; v. 253; p. 741.
Bliven & Carrington, Inc., New York, N. Y. Lubricating-oils. No. 123,089; Oct. 15; v. 255; p. 605.
Block & Kuhl Company, Peoria, Ill. Certain named toilet preparations. No. 121,692; May 21; v. 250; p. 763.
Block, Max, Buffalo, N. Y. Toilet lotion for chapped and rough skin. No. 121,249; Apr. 23; v. 249; p. 979.
Bloom & Millman, New York, N. Y. Middy-blouses, sport-suits, shirt-waists, dresses, outer suits. No. 120,011; Jan. 1; v. 246; p. 297.
Bloom & Millman, New York, N. Y. Ladies' and misses' shirt-waists, blouses, and dresses. No. 120,938; Mar. 19; v. 248; p. 763.
Blosser, Merrill C., Cleveland, Ohio. Series of comic drawings. No. 123,786; Dec. 10; v. 257; p. 430.
Blue Diamond Coal Company, Knoxville, Tenn., and Cardiff, Ky. Coal. No. 122,428; Aug. 20; v. 253; p. 741.
Blum Shoe Manufacturing Co., Dansville, N. Y. Slippers having felt uppers. No. 122,673; Sept. 10; v. 254; p. 445.
Boericke & Tafel, Philadelphia, Pa. Preparations for treating certain named diseases. No. 121,858; June 11; v. 251; p. 457
Boldt, Ernest F. W., Albion, Mich. Laying-tonic for poultry and a remedy for roup and cholera. No. 121,240; Apr. 23; v. 249; p. 979.
Bond, Madam Nannie, Bessemer, Ala. Hair-grower. No. 122,126; July 2; v. 252; p. 241.
Bonner, James J., Boston, Mass. Preparation for the treatment of the feet. No. 122,843; Sept. 24; v. 254; p. 861.
Bonney Floyd Company, The, Columbus, Ohio. Car-movers, car-replacers. No. 120,329; Feb. 5; v. 247; p. 237.
Bonney Vise & Tool Works, Inc., Philadelphia and Allentown, Pa., and New York, N. Y. Vises. No. 122,429; Aug. 20; v. 253; p. 741.
Bonnie Lassie M'f'g. Co., San Francisco, Cal. House and street dresses for women. No. 123,192; Oct. 22; v. 255; p. 823.
Boorum & Pease Company, New York, N. Y. Bond-paper. No. 122,844; Sept. 24; v. 254; p. 861.
Booth Chemical Company, Townley, N. J. Sodium and aluminum salts for use in clarifying water, in the manufacture of paper, and for other purposes. No. 121,252; Apr. 23; v. 249; p. 979.
Booth Fisheries Company, Chicago, Ill., and Seattle, Wash. Canned salmon and sardines. No. 123,889; Dec. 17; v. 257; p. 643.
Booth Fisheries Company, Chicago, Ill. Canned sardines. No. 123,890; Dec. 17; v. 257; p. 643.
Booth Fisheries Company, Chicago, Ill. Canned sardines. Nos. 123,970–1; Dec. 31; v. 257; p. 1075.
Booth Packing Company, The, Baltimore, Md. Canned vegetables. No. 120,012; Jan. 1; v. 246; p. 297.
Borinquen Import Co. Inc., New York, N. Y. Embroidery. No. 120,939; Mar. 19; v. 248; p. 763.
Borzykowski, Benno, Cleveland, Ohio. Raw artificial silk. No. 122,845; Sept. 24; v. 254; p. 861.
Bosco & Company, Inc., New York, N. Y. Sparkling wines. No. 121,694; May 21; v. 250; p. 763.
Boss, Mary A., New York, N. Y. Salve for skin eruptions, piles, hemorrhoids, and suppositories for hemorrhoids. No. 123,787; Dec. 10; v. 257; p. 403.
Boston Blacking Company, East Cambridge, Mass. Shoe-dressing. No. 123,324; Oct. 29; v. 255; p. 1049.
Boston Confectionery Co., Cambridge, Mass. Candy. No. 122,262; July 16; v. 252; p. 741.
Boston Piano & Music Co., Iowa City, Iowa. Talking-machines. No. 120,940; Mar. 19; v. 248; p. 763.
Boston Snap Fastener Co., Boston, Mass. Snap-fasteners, hooks, eyes, and snap-fastening buttons. No. 121,753; May 28; v. 250; p. 993.
Botacha Ointment Co., Jacksonville, Fla. Ointment for piles, cuts, burns, and eczema. No. 122,127; July 2; v. 252; p. 241.
Bottineau, Sidney, Superior, Wis. Baby foods. No. 123,541; Nov. 19; v. 256; p. 639.
Bowden, James J., Sr., Atlanta, Ga. Mineral ore. No. 121,859; June 11; v. 251; p. 457.
Bowden Wire Ltd., Willesden Junction, London, England. Flexible coverings for spiral wire and like members for power transmission and other purposes. No. 121,398; Apr. 30; v. 249; p. 1217.
Bowden Wire Limited, Willesden Junction, London, England. Spiral wire for power-transmission and other purposes. Nos. 123-091–4; Oct. 15; v. 255; p. 605.
Bowers, Benjamin O., New York, N. Y. Canned sardines and shrimps. No. 122,634; Sept. 3; v. 254; p. 221.
Bowie, Ernest R., Binghamton, N. Y. Toilet cream, being a cosmetic compound for use on the face. No. 120,711; Mar. 5; v. 248; p. 229.
Bowker Company Limited, The, Liverpool, England. Preserved fish, meats, fruits, and vegetables. No. 120,660; Feb. 26; v. 247; p. 961.
Bowker, Edwin A., Manchester, England. Tinned fish. No. 120,659; Feb. 26; v. 247; p. 961.
Bowman Drug Co., Oakland, Cal. Ant-poison. No. 120,065; Jan. 8; v. 246; p. 563.
Boyce Extract Co., Inc., New York, N. Y. Flavoring extracts for food purposes. No. 122,010; June 18; v. 251; p. 671.
Boyle Manufacturing Co., Los Angeles, Cal. Gas and wood stoves and heaters. No. 120,823; Mar. 12; v. 248; p. 495.
Boyle Manufacturing Company, Los Angeles, Cal. Cans, canteens, containers, and tanks. No. 120,545; Feb. 19; v. 247; p. 741.
Braddy & Sons, R. E., Dublin, Ga. Cured hams and breakfast-bacon. No. 123,193; Oct. 22; v. 255; p. 823.
Bradley, Charles H., Murray, Ky. Twist-tobacco. No. 122,675; Sept. 10; v. 254; p. 445.

Alphabetical list of registrants of trade-marks—Continued.

Bradley, Kersey E., Akron, Ohio. Medicine for inflammation of the kidneys and bladder, backache, torpid liver, and irregular state of urine. No. 120,713; Mar. 5; v. 248; p. 229.
Bradshaw, Campbell, Detroit, Mich. Ironing-tables. No. 120,548; Feb. 19; v. 247; p. 741.
Braender Rubber & Tire Co., Rutherford, N. J. Pneumatic tires and the inner tubes and outer casings thereof. No. 123,891; Dec. 17; v. 257; p. 643.
Brandenstein & Co., M. J., San Francisco, Cal. Rice. No. 120,331; Feb. 5; v. 247; p. 237.
Brandenstein & Co., M. J., San Francisco, Cal. Uncoated rice. No. 122,777; Sept. 17; v. 254; p. 651.
Brassard Company, Incorporated, The, New York, N. Y. Dyestuffs. No. 121,253; Apr. 23; v. 249; p. 979.
Braun Bros. & Co., Pittsburgh, Pa. Bread. No. 121,541; May 7; v. 250; p. 251.
Braun & Sons, John, assignors to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn-mowers. Nos. 120,332–4; Feb. 5; v. 247; p. 237.
Braun & Sons, John, assignor to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn-mowers. No. 120,943; Mar. 19; v. 248; p. 763.
Braun & Sons, John, assignors to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn-mowers. No. 123,194; Oct. 22; v. 255; p. 823.
Braun & Sons, John, assignors to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn-mowers. Nos. 123,542–3; Nov. 19; v. 256; p. 639.
Brewster-Bridgeport Growers, Inc., Brewster, Wash. Fresh apples. No. 120,824; Mar. 12; v. 248; p. 495.
Brewster, Gordon & Co., Rochester, N. Y. Tea. Nos. 122,430–1; Aug. 20; v. 253; p. 741.
Brewster Gordon & Co., Rochester, N. Y. Tea. Nos. 122,635–6; Sept. 3; v. 254; p. 221.
Bricklayers, Masons and Plasterers' International Union of America, Indianapolis, Ind. Printed books, periodicals, pamphlets, and circulars. No. 120,661; Feb. 26; v. 247; p. 961.
Bried, J. A., Oakland, Cal. Velocipedes. No. 120,825; Mar 12; v. 248; p. 495.
Briggs Bituminous Composition Company, New York, N. Y. Enamels and paints. No. 120,941; Mar. 19; v. 248; p 763.
Briggs Bituminous Composition Company, New York, N. Y. Bituminous products—viz., paints, fillers, enamels, and varnishes. No. 120,942; Mar. 19; v. 248; p. 763.
Brite-Lite Company, Albert Lea, Minn. Gasolene stoves, ovens, &c. No. 123,892; Dec. 17; v. 257; p. 643.
British Mannesmann Tube Company, Ltd., The, London, England. Certain named metals and metal castings and forgings. No. 123,972; Dec. 31; v. 257; p. 1075.
Brockton Public Market, Brockton, Mass. Canned fruits, vegetables, and salmon. No. 122,011; June 18; v. 251; p. 671.
Brondi, Edward, New York, N. Y. Coffee. No. 120,162; Jan. 15; v. 246; p. 819.
Bronston, Jack E. (See Bronston, Louis J., assignor.)
Bronston, Louis J., assignor to J. E. Bronston, New York, N. Y. Handkerchiefs. No. 123,195; Oct. 22; v. 255; p. 823.
Brooke Butterine Co., The, Jersey City, N. J. Oleomargarin. No. 123,326; Oct. 29; v. 255; p. 1049.
Brooke Butterine Co., Jersey City, N. J. Oleomargarin. No. 123,973; Dec. 31; v. 257; p. 1075.
Brooks & Doerr, San Francisco, Cal. Liquid waterproofing preparation for certain named purposes. No. 123,422; Nov. 12; v. 256; p. 447.
Brooks, Madame M., Des Moines, Iowa. Preparation in paste form for the hair and scalp. No. 121,156; Apr. 16; v. 249; p. 735.
Brotherhood Railway Carmen of America, Kansas City, Mo. Printed books, periodicals, pamphlets, and circulars. No. 120,662; Feb. 26; v. 247; p. 691.
Brown, Albert E., Mobile, Ala. Antiseptic mouth-wash. No. 121,040; Apr. 2; v. 249; p. 231.
Brown Durrell Co., Boston, Mass. Hosiery. No. 120,066; Jan. 8; v. 246; p. 563.
Brown, Fritz H., Chicago, Ill. Shortening and milk substitute. No. 120,860; Mar. 12; v. 248; p. 496.
Brown, Joseph H., Chicago, Ill. A liniment and an ointment. No. 121,860; June 11; v. 251; p. 457.
Brown, Nelson H., Boston, Mass. Alarm-clocks and movements therefor. No. 120,067; Jan. 8; v. 246; p. 563.
Brown, Roland W., Lincoln, Nebr. Card games. No. 121,542; May 7; v. 250; p. 251.
Brown, Samuel A., Ridley Park, Pa. Reconstructive tonic. No. 123,974; Dec. 31; v. 257; p. 1075.
Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. No. 120,068; Jan. 8; v. 246; p. 563.
Brownell, Harry F., assignor to Green Dragon Company, Sioux Falls, S. D. Spark-plugs. No. 121,584; May 14; v. 250; p. 509.
Bruce Cherokee Coal Co., Kansas City, Mo. Lump-coal. No. 121,399; Apr. 30; v. 249; p. 1217.
Brundage Brothers Company, The, Toledo, Ohio. Coffee, tea, salted peanuts, peanut oil and butter. No. 123,327; Oct. 29; v. 255; p. 1049.
Brundage Brothers Company, The, Toledo, Ohio. Coffee, tea, salted peanuts, peanut oil and butter. No. 123,545; Nov. 19; v. 256; p. 639.
Brunson, Asa, Pine Bluff, Ark. Medicine as a preparation for the treatment of certain named diseases. No. 122,432; Aug. 20; v. 253; p. 741.
Bryan, Harold E., Angola, Ind. Stock condition-powder and worm-destroyer. No. 121,861; June 11; v. 251; p. 457.
Bryant, Augustus H., New York, N. Y. Safety-razors and parts thereof. No. 120,335; Feb. 5; v. 247; p. 237.
Bryant, Augustus H., New York, N. Y. Safety-razors. No. 123,975; Dec. 31; v. 257; p. 1075.
Bryant Electric Co., The, Bridgeport, Conn. Electric switches and parts thereof. No. 120,336; Feb. 5; v. 247; p. 238.
Bryant Electric Company, The, Bridgeport, Conn. Certain named electrical apparatus, machines, and supplies. No. 120,944; Mar. 19; v. 248; p. 763.
Bryant Electric Company, The, Bridgeport, Conn. Certain named electrical apparatus, machines, and supplies. Nos. 121,585–6; May 14; v. 250; p. 509.
Bryant, John W., Laporte, Ind. Blackboards. No. 123,788; Dec. 10; v. 257; p. 403.
Buckeye Manufacturing Company, The, Anderson, Ind. Tractors. No. 123,095; Oct. 15; v. 255; p. 605.
Bucyrus Company, South Milwaukee, Wis. Certain named cutlery, machinery, and tools, and parts thereof. No. 120,945; Mar. 19; v. 248; p. 763.
Budd Wheel Corporation, Philadelphia, Pa. Vehicle-wheels and parts thereof. No. 121,157; Apr. 16; v. 249; p. 735.
Buffalo Candy Company, Buffalo, N. Y. Candy. No. 122,778; Sept. 17; v. 254; p. 651.
Buffalo-Dehn Company, The, Buffalo, N. Y. Metallic device for hanging pictures or the like. No. 120,337; Feb. 5; v. 247; p. 238.
Buhler Mill & Elevator Co., Buhler, Kans. Wheat-flour. No. 120,827; Mar. 12; v. 248; p. 495.
Buhrman, Thomas S., New York, N. Y. Monthly magazine. No. 123,789; Dec. 10; v. 257; p. 403.
Bullock's, Los Angeles, Cal. Light-weight sheer-silk fabric. No. 123,893; Dec. 17; v. 257; p. 643.
Burd, Roy A., Louisville, Ky. Half-hose. No. 122,012; June 18; v. 251; p. 671.
Burg Milling Co., Los Angeles, Cal. Waffle-flour. No. 121,254; Apr. 23; v. 249; p. 979.
Burger, Iwan, New York, N. Y. Canned sardines. No. 122,013; June 18; v. 251; p. 671.
Burke, Joseph R., Portland, Oreg. Canned grayfish. No. 121,255; Apr. 23; v. 249; p. 979.
Burke, Joseph R., Portland, Oreg. Canned salmon. No. 122,128; July 2; v. 252; p. 241.
Burkhardt Bros. Company, The, Cincinnati, Ohio. Sport coats and skirts for women. No. 120,013; Jan. 1; v. 246; p. 297.
Burlington Vinegar & Pickle Works, Burlington, Iowa. Certain named foods. No. 121,121; Apr. 9; v. 249; p. 503.
Burnett, Charles C., Los Angeles, Cal. Enamel paint. No. 121,257; Apr. 23; v. 249; p. 979.
Burnett, Tom B., Dallas, Tex. Certain named furniture and upholstery. Nos. 121,695–8; May 21; v. 250; p. 763.
Burnham-Munger-Root Dry Goods Co., Kansas City, Mo. Collars, cuffs, hosiery, gloves, overalls, &c. No. 120,248; Jan. 29; v. 246; p. 1199.
Burnham-Munger-Root Dry Goods Co., Kansas City, Mo. Men's and boys' union-suits, undershirts, and drawers. No. 121,256; Apr. 23; v. 249; p. 979.
Burns, Henry H., Battle Creek, Mich. Paper-baler. No. 122,129; July 2; v. 252; p. 241.
Burns, Wilbur S., Grand Rapids, Mich. Laundry soap. No. 121,158; Apr. 16; v. 249; p. 735.
Burny Bros., Chicago, Ill. Bread. No. 122,061; June 25; v. 251; p. 835.
Burt H. Winchester, Inc., Newark, N. J. Poultry feed. No. 122,295; July 16; v. 252; p. 742.
Burton Bros. & Co., New York, N. Y. Dyed cotton piece goods. No. 122,263; July 16; v. 252; p. 741.
Burton & Davis Co., New York, N. Y. Canned fruits and vegetables. No. 120,163; Jan. 15; v. 246; p. 819.
Busch & Jolles Inc., Savannah, Ga. Solvent turpentine for paints and varnishes. No. 121,862; June 11; v. 251; p. 457.
Busch & Jolles Inc., Savannah, Ga. Spirits of turpentine. No. 121,863; June 11; v. 251; p. 457.
Bush, Beach & Gent Inc., New York, N. Y. Dyestuffs—viz., dyewood extracts in crystal, paste, and powder form. No. 122,130; July 2; v. 252; p. 241.
Butcher Polish Company, Boston, Mass. Finish and polish for floors and other woodwork. Nos. 121,587–9; May 14; v. 250; p. 509.
Butler Brothers, Chicago, Ill. Hosiery. No. 121,754; May 28; v. 250; p. 993.
Butler Brothers, New York, N. Y. Inner tubes for rubber tires. No. 122,062; June 25; v. 251; p. 835.
Butler, Geoffrey, New York, N. Y. Post-cards and photograph-prints. No. 121,041; Apr. 2; v. 249; p. 231.
Butterfly Tinting Company, The, Minneapolis, Minn. Chemical compound used as a dye. No. 120,164; Jan. 15; v. 246; p. 819.
Buzby, Augustus C., Philadelphia, Pa. Lubricants consisting of oils and greases. No. 121,591; May 14; v. 250; p. 509.

Alphabetical list of registrants of trade-marks—Continued.

Bycol Co., The, Connersville, Ind. Medicinal tablets. No. 120,338; Feb. 5; v. 247; p. 238.
Byman, Elias J., Hammond, Ill. Butter and eggs. No. 120,828; Mar. 12; v. 248; p. 495.
Byrns, Brownlow, Detroit, Mich. Metallic packing-rings. No. 121,159; Apr. 16; v. 249; p. 735.
C. Tennant Sons & Co. of New York, New York, N. Y. Steel wire. No. 121,969; June 11; v. 251; p. 460.
C. B. Clemons Co., Chicago, Ill. Pianos. No. 120,847; Mar. 12; v. 248; p. 496.
C. B. Woodworth Sons Corporation, Rochester, N. Y. Certain named toilet preparations. No. 120,464; Feb. 5; v. 247; p. 241.
C. B. Woodworth Sons Corporation, The, Rochester, N. Y. Perfumes, sachet, face, and talcum powders, toilet waters and creams. No. 120,465; Feb. 5; v. 247; p. 241.
C. E. Coe Coffee Co., Memphis, Tenn. Coffee. No. 121,703; May 21; v. 250; p. 763.
C. F. Bonsor & Co., Inc., Philadelphia, Pa. Coffees, teas, rice, spices, cocoa, and tapioca. No. 120,544; Feb. 19; v. 247; p. 741.
C. F. Sauer Co., The, Richmond, Va. Food-flavoring extracts. No. 122,286; July 16; v. 252; p. 742.
C. G. Conn, Ltd., Elkhart, Ind. Certain named musical instruments and supplies. No. 120,250; Jan. 29; v. 246; p. 1199.
C. G. Conn, Ltd., Elkhart, Ind. Certain named musical instruments. No. 120,350; Feb. 5; v. 247; p. 238.
C. G. Conn, Ltd., Elkhart, Ind. Certain named musical and wind instruments. No. 121,045; Apr. 2; v. 249; p. 231.
C. G. Conn, Ltd., Elkhart, Ind. Cornets. No. 123,105; Oct. 15; v. 255; p. 605.
C. G. Fleckenstein Co., Muskegon, Mich. Sole-leather in strips and squares. No. 123,222; Oct. 22; v. 255; p. 824.
C. H. Evans & Sons, Hudson, N. Y. Non-alcoholic beverage made of malt and hops. No. 120,086; Jan. 8; v. 246; p. 564.
C. & J. Hampton, Limited, Sheffield, England. Steel. No. 123,996; Dec. 31; v. 257; p. 1076.
C. L. Cotton Perfume & Extract Co., Earlville, N. Y. Certain named pharmaceutical preparations. No. 120,353; Feb. 4; v. 247; p. 238.
Cable-Draper Baking Company, Detroit, Mich. Macaroni. No. 120,547; Feb. 19; v. 247; p. 741.
Cadick Milling Company, Grand View, Ind. Wheat-flour. No. 120,830; Mar. 12; v. 248; p. 495.
Cagle, M. J., San Francisco, Cal. Self-vulcanizing tire-patches. No. 123,790; Dec. 10; v. 257; p. 403.
Cahill and McCray, Richmond, Va. Liquid preparation for treatment of pyorrhea and for use as a general antiseptic. No. 121,310; Apr. 23; v. 249; p. 981.
Cairo Brewing Co., Cairo, Ill. Non-intoxicating malt beverage. No. 123,976; Dec. 31; v. 257; p. 1075.
Caldwell Manufacturing Company, The, Columbus, Ohio. Infant-cribs. No. 120,715; Mar. 5; v. 248; p. 229.
California Associated Raisin Co., Fresno, Cal. Dried fruits. No. 121,400; Apr. 30; v. 249; p. 1217.
California Associated Raisin Co., Fresno, Cal. Dried raisins and fruits. No. 121,592; May 14; v. 250; p. 509.
California Central Creameries, San Francisco, Cal. Butter. No. 122,779; Sept. 17; v. 254; p. 651.
California Fruit Exchange, The, Sacramento, Cal. Fresh grapes. No. 122,063; June 25; v. 251; p. 835.
California Fruit Exchange, Sacramento, Cal. Fresh grapes. No. 122,433; Aug. 20; v. 253; p. 741.
California Fruit Exchange, Sacramento, Cal. Cherries, peaches, plums, &c. No. 123,687; Dec. 3; v. 257; p. 187.
California Glove Company, San Francisco, Cal. Leather gloves. No. 121,401; Apr. 30; v. 249; p. 1217.
California Packing Corporation, San Francisco, Cal. Certain named foods. No. 120,014; Jan. 1; v. 246; p. 297.
California Packing Corporation, San Francisco, Cal. Canned vegetables and olives. No. 120,664; Feb. 26; v. 247; p. 961.
California Packing Corporation, San Francisco, Cal. Canned fruits and vegetables, dried fruits, raisins. No. 120,716; Mar. 5; v. 248; p. 229.
California Packing Corporation, San Francisco, Cal. Canned fish. No. 120,831; Mar. 12; v. 248; p. 495.
California Packing Corporation, San Francisco, Cal. Canned fruits. No. 121,258; Apr. 23; v. 249; p. 979.
California Packing Corporation, San Francisco, Cal. Canned salmon. No. 121,699; May 21; v. 250; p. 763.
California Packing Corporation, San Francisco, Cal. Canned fruits and vegetables. No. 121,700; May 21; v. 250; p. 763.
California Packing Corporation, San Francisco, Cal. Dried fruits. No. 122,953; Oct. 1; v. 255; p. 157.
California Packing Corporation, San Francisco, Cal. Certain named foods. No. 123,017; Oct. 8; v. 255; p. 361.
California Prune and Apricot Growers, Inc., San Jose, Cal. Dried apricots and prunes. No. 121,593; May 14; v. 250; p. 509.
California Sanitary Canning Co., Los Angeles, Cal. Canned tomatoes. No. 120,832; Mar. 12; v. 248; p. 495.
California Sanitary Canning Co., Los Angeles, Cal. Canned peaches. No. 120,833; Mar. 12; v. 248; p. 495.
California Sea Food Co., East San Pedro, Cal. Canned tuna fish. No. 122,780; Sept. 17; v. 254; p. 651.
California Soap Company, Inc., Los Angeles, Cal. Soaps and washing-powders. No. 123,688; Dec. 3; v. 257; p. 187.
California Spray Chemical Company, Watsonville, Cal. Insecticides, fungicides, and disinfectants. No. 121,042; Apr. 2; v. 249; p. 231.
California Walnut Sauce Co., Los Angeles, Cal. Walnut sauce. No. 123,689; Dec. 3; v. 257; p. 187.
California Wine Association, San Francisco, Cal. Wine. Nos. 123,328–9; Oct. 29; v. 255; p. 1049.
Calima Canning Company, Los Angeles, Cal. Canned beets and tomatoes. No. 121,755; May 28; v. 250; p. 993.
Calima Canning Company, Los Angeles, Cal. Canned beet-tops, tomatoes, and string-beans. No. 121,756; May 28; v. 250; p. 993.
Calima Canning Co., Los Angeles, Cal. Canned tomatoes with purée from trimmings. No. 121,865; June 11; v. 251; p. 457.
Calima Canning Co., Los Angeles, Cal. Canned Lima beans. No. 121,866; June 11; v. 251; p. 457.
Caloil Manufacturing Company, Chicago, Ill. Antifreezing liquids. No. 120,339; Feb. 5; v. 247; p. 238.
Calumet Oil Company, El Paso, Tex. Lubricating oils and greases. No. 122,781; Sept. 17; v. 254; p. 651.
Calvino Wine Co., San Francisco, Cal. Non-intoxicating vinous beverage. No. 120,340; Feb. 5; v. 247; p. 238.
Calypto Company, Springfield, Mass. Medicated dental cream. No. 121,604; May 14; v. 250; p. 510.
Cameron Machine Company, Brooklyn, N. Y. Machines and parts thereof. No. 123,096; Oct. 15; v. 255; p. 605.
Cammeyer, New York, N. Y. Boots and shoes of all descriptions. No. 123,196; Oct. 22; v. 255; p. 823.
Camo Corporation, New York, N. Y. Motion-picture machines. No. 121,867; June 11; v. 251; p. 457.
Camp y Ca., S. en C., B., Santiago, Cuba. Rum. No. 121,259; Apr. 23; v. 249; p. 979.
Campanella, Michael, Brooklyn, N. Y. Medicated bath liquid. No. 121,076; Apr. 2; v. 249; p. 232.
Cannaliato, Giovanni, Baltimore, Md. Hair-tonic. No. 123,546; Nov. 19; v. 256; p. 639.
Cano Company, Jacksonville, Fla. Preparations for treating certain named diseases. No. 121,260; Apr. 23; v. 249; p. 979.
Capdau and Breslin, New Orleans, La. Medicine for stomach and bowel disorders. No. 122,371; July 30; v. 252; p. 1139.
Capeverdian Trading Co., East Wareham, Mass. Tobacco used in smoking and chewing and as snuff. No. 122,576; Aug. 27; v. 253; p. 949.
Capper and Capper, Detroit, Mich. Golf-balls. No. 120,015; Jan. 1; v. 246; p. 297.
Carbolineum Wood Preserving Co., Milwaukee, Wis. Anthracene-oil wood-stain. No. 122,782; Sept. 17; v. 254; p. 651.
Carbolineum Wood Preserving Company, New York, N. Y. Wood-preservatives. No. 121,868; June 11; v. 251; p. 457.
Carbon Destroyer Corporation, New York, N. Y. Apparatus for moistening air for use on gas-engines. No. 122,185; July 9; v. 252; p. 499.
Carbonell, R. A. Delgado, New York, N. Y. Tonics for certain named diseases. No. 120,077; Jan. 8; v. 246; p. 563.
Carib Syndicate, Limited, New York, N. Y. Crude and refined petroleum and asphalt. No. 122,186; July 9; v. 252; p. 499.
Cardinell-Vincent Company, San Francisco, Cal. Tracing-paper. No. 120,946; Mar. 19; v. 248; p. 763.
Caribbean Petroleum Company, The, Philadelphia, Pa. Petroleum and petroleum products. No. 120,947; Mar. 19; v. 248; p. 763.
Caribonum Company, Limited, Leyton, London, England. Carbon-papers, type-writer ribbons, and printing and writing inks. No. 122,187; July 9; v. 252; p. 499.
Caribonum Company, Limited, The, Leyton, London, England. Writing, &c., inks, carbon-papers, type-writer ribbons. No. 123,690; Dec. 3; v. 257; p. 187.
Carlisle Cord Tire Company, Inc., New York, N. Y. Automobile-tires of rubber and fabric. No. 122,064; June 25; v. 251; p. 835.
Carlton, James L., Chicago, Ill. Combined arch-support and heel-cushion. No. 120,549; Feb. 19; v. 247; p. 741.
Carneal, Edwin E., Washington, D. C. Compound for curing leaks in automobile-radiators. No. 121,043; Apr. 2; v. 249; p. 231.
Carola, Nicholas, New York, N. Y. Hair-tonic, face-powder, rolling and vanishing creams, &c. No. 123,691; Dec. 3; v. 257; p. 187.
Carpenter & Company, Los Angeles, Cal. Internal-combustion engine and moisturizers therefor. No. 122,131; July 2; v. 252; p. 241.
Carpenter, Don A., El Paso, Tex. Certain named machinery and tools. No. 120,355; Feb. 5; v. 247; p. 238.
Carpenter-Morton Company, Boston, Mass. Varnishes, varnish-stains, stains, enamels, and oil-finishes for wood, &c. No. 121,261; Apr. 23; v. 249; p. 979.
Carr Fastener Company, Cambridge, Mass. Snap-fasteners. No. 121,544; May 7; v. 250; p. 251.

Alphabetical list of registrants of trade-marks—Continued.

Carroll, Daniel J., Bay City, Mich. Candy. No. 123,198; Oct. 22; v. 255; p. 823.
Carruth, R. K., Macon, Ga. Self-vulcanizing patch. No. 121,122; Apr. 9; v. 249; p. 503.
Carson, Pirie, Scott & Co., Chicago, Ill. Embroidery-cotton. No. 121,402; Apr. 30; v. 249; p. 1217.
Carson, Pirie, Scott & Co., Chicago, Ill. Hosiery. No. 122,014; June 18; v. 251; p. 671.
Carson, Pirie, Scott & Co., Chicago, Ill. Shell hair-pins. No. 122,188; July 9; v. 252; p. 499.
Carson, Pirie, Scott & Co., Chicago, Ill. Certain named clothing for men and boys. No. 122,189; July 9; v. 252; p. 499.
Carter Dry Goods Co., Louisville, Ky., and New York, N. Y. Certain named clothing for men, women, misses, and children and boys. No. 123,547; Nov. 19; v. 256; p. 639.
Carter's Laboratory Company, Washington, D. C. Hair-tonic. No. 123,548; Nov. 19; v. 256; p. 639.
Carthage Quarry Company, Carthage, Mo. Building-stone and marble. No. 121,161; Apr. 16; v. 249; p. 735.
Cascade Packing Company, Anacortes, Wash. Canned salmon. No. 120,834; Mar. 12; v. 248; p. 495.
Cascade Packing Company, Anacortes, Wash. Canned salmon. No. 121,594; May 14; v. 250; p. 509.
Case Hardening Service Company, The, Cleveland, Ohio. Case-hardening or carbonizing compound. No. 120,070; Jan. 8; v. 246; p. 563.
Casement Hardware Co., The, Chicago, Ill. Rakes. No. 120,341; Feb. 5; v. 247; p. 238.
Casement Hardware Co., The, Chicago, Ill. Casement-sash adjusters. No. 121,595; May 14; v. 250; p. 509.
Caspari, Ralph, Newark, N. J. Canned mackerel-roe. No. 120,665; Feb. 26; v. 247; p. 691.
Cassidy & Son Manufacturing Company, New York, N. Y. Electrical lighting-fixtures. No. 123,549; Nov. 19; v. 256; p. 639.
Castle Brothers, San Francisco, Cal. Prunes, dried fruits, raisins, pitted plums. No. 121,543; May 7; v. 250; p. 251.
Castle Brothers, San Francisco, Cal. Prunes, dried peaches, apricots, pears, &c., raisins. No. 122,015; June 18; v. 251; p. 671.
Cat-Nak Company, Chicago, Ill. Puncture-sealing or puncture-healing compound. No. 120,829; Mar. 12; v. 248; p. 495.
Cataract City Milling Co., Niagara Falls, N. Y. Wheat-flour. No. 120,165; Jan. 15; v. 246; p. 819.
Caverley, Walter A., Dayton, Ohio. Certain named foods. No. 122,637; Sept. 3; v. 254; p. 221.
Cavin & Brown, Trautmans, N. C. Liniment used in treating certain named ailments and diseases. No. 123,550; Nov. 19; v. 256; p. 639.
Celluloid Company, The, Newark, N. J. and New York, N. Y. Pyroxylin preparations for the treatment of articles preparatory to examination thereof under a microscope. No. 120,717; Mar. 5; v. 248; p. 229.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Paper-knives, penholders, memorandum-tablets. No. 122,264; July 16; v. 252; p. 741.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named articles made of compounds of pyroxylin. No. 122,372; July 30; v. 252; p. 1139.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Pipe-bits and cigar-holders made of pyroxylin compounds. No. 122,373; July 30; v. 252; p. 1139.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named articles made of compounds of pyroxylin. No. 122,374; July 30; v. 252; p. 1139.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named musical instruments and supplies made of compounds of pyroxylin. No. 122,434; Aug. 20; v. 253; p. 741.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named measuring and scientific appliances made of pyroxylin. No. 122,435; Aug. 20; v. 253; p. 741.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Checks. No. 122,954; Oct. 1; v. 255; p. 157.
Celluloid Company, Newark, N. J., and New York, N. Y. Certain named games, toys, and sporting goods made of compounds of pyroxylin. No. 123,019; Oct. 8; v. 255; p. 361.
Celluloid Company, Newark, N. J., and New York, N. Y. Certain named articles made of pyroxylin compounds. No. 123,020; Oct. 8; v. 255; p. 361.
Celluloid Company, Newark, N. J., and New York, N. Y. Certain named musical supplies made of compounds of pyroxylin. No. 123,021; Oct. 8; v. 255; p. 361.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named parts of cutlery and machinery made of pyroxylin. No. 123,097; Oct. 15; v. 255; p. 605.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Pipe-bits and cigar-holders. No. 123,098; Oct. 15; v. 255; p. 605.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named dental, medical, and surgical appliances made of compounds of pyroxylin. No. 123,099; Oct. 15; v. 255; p. 605.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Electric push-buttons and the shells or holders containing the same. No. 123,100; Oct. 15; v. 255; p. 605.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Register-wheels used in measuring appliances. No. 123,199; Oct. 22; v. 255; p. 823.
Celluloid Company, Newark, N. J., and New York, N. Y. Certain named articles made from compounds of pyroxylin. No. 123,330; Oct. 29; v. 255; p. 1049.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named fancy goods, furnishings, and notions. No. 123,424; Nov. 12; v. 256; p. 447.
Celluloid Company, Newark, N. J., and New York, N. Y. Certain named brushes. No. 123,551; Nov. 19; v. 256; p. 639.
Celluloid Company, Newark, N. J., and New York, N. Y. Certain named receptacles made of compounds of pyroxylin. No. 123,552; Nov. 19; v. 256; p. 639.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named articles made of compounds of pyroxylin. No. 123,553; Nov. 19; v. 256; p. 640.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named articles made of pyroxylin. No. 123,692; Dec. 3; v. 257; p. 187.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named articles made of compounds of pyroxylin. No. 123,792; Dec. 10; v. 257; p. 403.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Hand-mirrors and easel or small picture-frames. No. 123,793; Dec. 10; v. 257; p. 403.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Strap-handles (used in railway-cars) and bicycle-grips. No. 123,794; Dec. 10; v. 257; p. 403.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Sheet material composed of compounds of pyroxylin. Nos. 123,795–6; Dec. 10; v. 257; p. 403.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Strap-handles (used in railway-cars) and bicycle-grips. No. 123,797; Dec. 10; v. 257; p. 403.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Certain named electrical apparatus, machines, and supplies. No. 123,977; Dec. 31; v. 257; p. 1075.
Celluloid Company, The, New York, N. Y. Cuffs and shirt-bosoms. No. 121,404; Apr. 30; v. 249; p. 1217.
Celluloid Company, The, New York, N. Y. Hand knitting-needles. No. 121,757; May 28; v. 250; p. 993.
Centennial Mill Co., Memphis, Tenn. Self-rising wheat-flour. No. 122,065; June 25; v. 251; p. 835.
Centennial Mill Company, Seattle, Wash. Wheat-flour. Nos. 123,978–9; Dec. 31; v. 257; p. 1075.
Centipede Belt Lace Co., New York, N. Y. Wire belt-lace for power-belts. No. 123,554; Nov. 19; v. 256; p. 640.
Central California Canneries, San Francisco, Cal. Canned fruits and vegetables. No. 123,936; Dec. 24; v. 257; p. 813.
Central Manufacturing Company, Inc., Iowa City, Iowa. Compound toilet cream of fresh lemons. No. 122,679; Sept. 10; v. 254; p. 445.
Century Oil Company, Syracuse, assignor to Swan & Finch Company, New York, N. Y. Casting-core binder. No. 120,835; Mar. 12; v. 248; p. 495.
Cereo Company, Tappan, N. Y. Balanced food derived partly from soy-beans. No. 122,066; June 25; v. 251; p. 835.
Certain-teed Products Corporation, St. Louis, Mo. Certain named paints and painters' materials. No. 123,101; Oct. 15; v. 255; p. 605.
Cessna, C. E., Chicago, Ill. Medicated tablets for a blood and nerve tonic. No. 120,071; Jan. 8; v. 246; p. 563.
Chace, William W., Brooklyn, assignor to Jennings Lace Works Corp., New York, N. Y. Laces. No. 120,166; Jan. 15; v. 246; p. 819.
Chace, William W., Brooklyn, assignor to Jennings Lace Works Corp., New York, N. Y. Hosiery, fabric gloves, mitts, hand and arm coverings. No. 120,342; Feb. 5; v. 247; p. 238.
Chace, William W., Brooklyn, assignor to Jennings Lace Works Corp., New York, N. Y. Fabric gloves, mitts, hand and arm coverings, hosiery. No. 120,478; Feb. 12; v. 247; p. 475.
Chadwick, Lawrence S., Huntington, W. Va. Tonic-pills used in the treatment of nervous and anemic troubles. No. 123,937; Dec. 24; v. 257; p. 813.
Challenge Company, Batavia, Ill. Certain named cutlery, machinery, and tools and parts thereof. Nos. 123,555–6; Nov. 19; v. 256; p. 640.
Chalmers Knitting Company, Amsterdam, N. Y. Knitted union-suits, shirts, and drawers for men. Nos. 120,948–9; Mar. 19; v. 248; p. 763.
Chamberlain and Company, Incorporated, Boston, Mass. Corned beef. No. 123,557; Nov. 19; v. 256; p. 640.
Champion Engineering Co., The, Kenton, Ohio. Cranes. No. 120,951; Mar. 19; v. 248; p. 763.
Champion Fibre Company, The, Canton, N. C. Extract to be used as a core-binder in the manufacture of iron castings. No. 121,545; May 7; v. 250; p. 251.
Champion Spark Plug Company, Toledo, Ohio. Spark-plugs, spark-plug porcelains and parts. No. 120,167; Jan. 15; v. 246; p. 819.

Alphabetical list of registrants of trade-marks—Continued.

Champion Spark Plug Company, Toledo, Ohio. Spark-plug porcelains and parts. No. 120,950; Mar. 19; v. 248; p. 763.
Champion Spark Plug Company, Toledo, Ohio. Spark-plug porcelains. No. 122,132; July 2; v. 252; p. 241.
Champion Spark Plug Company, Toledo, Ohio. Spark-plugs and parts of same. No. 123,558; Nov. 19; v. 257; p. 640.
Champion Spark Plug Company, Toledo, Ohio. Mechanical spark-plug cleaners. No. 123,559; Nov. 19; v. 256; p. 640.
Chaney Manufacturing Company, The, Springfield, Ohio. Thermometers, barometers, rain-gages. No. 123,200; Oct. 22; v. 255; p. 823.
Chapin & Company, Hammond, Ind., and Chicago, Ill. Dairy feed. No. 122,436; Aug. 20; v. 253; p. 741.
Chapin-Sacks Manufacturing Company, Washington, D. C. Ice-cream. No. 122,133; July 2; v. 252; p. 241.
Chapin-Sacks Manufacturing Company, Washington, D. C. Ice-cream. No. 122,577; Aug. 27; v. 253; p. 949.
Chapin-Sacks Manufacturing Company, Washington, D. C. Ice-cream. No. 123,980; Dec. 31; v. 257; p. 1075.
Chapman Manufacturing Company, Winchester, Mass. Spinning-spindles. No. 121,869; June 11; v. 251; p. 457.
Chardeau Company, The, New York, N. Y. Wine. No. 123,022; Oct. 8; v. 255; p. 361.
Charles Bond Company, Philadelphia, Pa. Beltings, transmission-linings, hood-lacings made of textile fabric. No. 123,016; Oct. 8; v. 255; p. 361.
Charles Bond Company, Philadelphia, Pa. Baggage straps and strappings. No. 123,321; Oct. 29; v. 255; p. 1049.
Charles E. Hancock Co., Providence, R. I. Bracelets, bracelet parts, pendants, brooches, and finger-rings. No. 120,386; Feb. 5; v. 247; p. 239.
Charles E. Lynch Shoe Mf'g. Co. Inc., The, Poughkeepsie and New York, N. Y. Leather boots and shoes. No. 121,914; June 11; v. 251; p. 459.
Charles H. Buettner Company, The, Cincinnati, Ohio. Spark-plugs. No. 121,590; May 14; v. 250; p. 509.
Charles H. Buettner Company, The, Cincinnati, Ohio. Replace celluloid curtain-lights and a leather or imitation-leather binding for use on vehicle-curtains. No. 122,846; Sept. 24; v. 254; p. 861.
Charles, R. G., Wye Mills, Md. Canned vegetables. No. 120,836; Mar. 12; v. 248; p. 495.
Charles Tiedemann Milling Co., O'Fallon, Ill. Self-rising flour. No. 122,115; June 25; v. 251; p. 837.
Chas. A. Krause Milling Co., Greenfield, Wis. Corn-flour. No. 123,727; Dec. 3; v. 257; p. 188.
Chas. A. Schieren Company, New York, N. Y. Rawhide lacing. No. 120,117; Jan. 8; v. 246; p. 565.
Chas. Chipman's Sons Co. Inc., New York, N. Y. Hosiery. No. 120,344; Feb. 5; v. 247; p. 238.
Chas. Morningstar & Co. Inc., New York, N. Y. Dextrin. No. 122,729; Sept. 10; v. 254; p. 447.
Chase & Company, L. C., Boston, Mass. Certain named knitted, netted, and textile fabrics. No. 122,680; Sept. 10; v. 254; p. 445.
Chase & Company, L. C., Boston, Mass. Certain named knitted, netted, and textile fabrics. No. 123,894; Dec. 17; v. 257; p. 643.
Chase & Sanborn, Boston, Mass. Coffee. No. 122,783; Sept. 17; v. 254; p. 651.
Chase & Sanborn, Boston, Mass. Coffee. No. 123,331; Oct. 29; v. 255; p. 1049.
Chatfield & Woods Company, The, Cincinnati, Ohio. Toilet-paper. No. 123,693; Dec. 3; v. 257; p. 187.
Chattanooga Drug & Chemical Co., Chattanooga, Tenn. Certain-named chemicals, medicines, and pharmaceutical preparations. No. 123,560; Nov. 19; v. 256; p. 640.
Chautauqua Confectionery Company, Jamestown, N. Y. Candies, ice-cream dressing and topping, and hot-chocolate topping. No. 122,681; Sept. 10; v. 254; p. 445.
Cheek-Neal Coffee Co., Nashville, Tenn. Coffee and tea. No. 120,837; Mar. 12; v. 248; p. 495.
Chem-O-Vita Company, Inc., Fort Wayne, Ind. Preparation for the treatment of certain named diseases. No. 122,955; Oct. 1; v. 255; p. 157.
Cheney Brothers, South Manchester, Conn. Silk, foulards, florentines, &c., in the piece, silk and velvet ribbons. No. 120,249; Jan. 29; v. 246; p. 1199.
Cheney Brothers, South Manchester, Conn. Spun-silk yarn, machine-twist knitting, reeled, and sewing silk. No. 122,437; Aug. 20; v. 253; p. 741.
Cheney Brothers, South Manchester, Conn. Flags and banners. No. 123,201; Oct. 22; v. 255; p. 823.
Cheney Talking Machine Company, The, Chicago, Ill. Talking-machines. No. 121,405; Apr. 30; v. 249; p. 1217.
Chesapeake & Potomac Telephone Company, The, New York, N. Y., and Washington, D. C. Certain named prints and publications. No. 122,438; Aug. 20; v. 253; p. 741.
Chic-Mint Gum Company, Wilmington, Del. Chewing-gum. No. 123,561; Nov. 19; v. 256; p. 640.
Chicago Bearings Co., Chicago, Ill. Bearings for shafting and axles. No. 121,871; June 11; v. 251; p. 457.
Chicago Feed & Fertilizer Co., Chicago, Ill. Hog feed and meat scraps for chickens. No. 123,562; Nov. 19; v. 256; p. 640.
Chicago Fuse Mfg. Co., Chicago, Ill. Certain named electrical supplies. No. 120,343; Feb. 5; v. 247; p. 238.
Chicago Pneumatic Tool Co., Chicago, Ill. Pneumatic hammers, riveters, and rock-drills. No. 121,872; June 11; v. 251; p. 458.
Chicago Pneumatic Tool Company, Chicago, Ill. Pneumatic riveting-hammers. No. 123,202; Oct. 22; v. 255; p. 823.
Chicago Pneumatic Tool Company, Chicago, Ill. Certain named cutlery, machinery, and tools, and parts thereof. No. 123,981; Dec. 31; v. 257; p. 1075.
Chicago Process Company, Chicago, Ill. Tanning extract. No. 123,563; Nov. 19; v. 256; p. 640.
Chicago Process Company, Chicago, Ill. Tanning extract. No. 123,694; Dec. 3; v. 257; p. 187.
Chicago Retort & Fire Brick Company, Ottawa, Ill. Fire-brick. No. 120,838; Mar. 12; v. 248; p. 495.
Chicago Retort & Fire Brick Company, Chicago, Ill. Fire-brick. No. 120,839; Mar. 12; v. 248; p. 495.
Chicago Tube & Iron Company, Chicago, Ill. Certain named hardware and plumbing and steam-fitting supplies. No. 121,687; May 14; v. 250; p. 512.
Chicago Tube and Iron Company, Chicago, Ill. Boiler-tubes and copper ferrules for use with same. No. 122,439; Aug. 20; v. 253; p. 741.
Chickamauga Fertilizer Works, Atlanta, Ga. Fertilizer. No. 122,190; July 9; v. 252; p. 499.
Chief Tractor Mfg. Co., Detroit, Mich. Farm-tractors, internal-combustion engines, and their parts. No. 122,440; Aug. 20; v. 253; p. 741.
Chilcote-Sargent Co., Cleveland, Ohio. Developing agent for treating photographic films, plates, and papers. No. 121,123; Apr. 9; v. 249; p. 503.
Childs Company, New York, N. Y. Milk, soups, clam-chowder, and stewed prunes, either canned or in bulk. No. 123,203; Oct. 22; v. 255; p. 823.
China Coast Mercantile Co. Inc., New York, N. Y. Hair-nets. No. 120,840; Mar. 12; v. 248; p. 495.
China & Japan Trading Company, Limited, New York, N. Y. Woolen and cotton piece goods. No. 123,204; Oct. 22; v. 255; p. 823.
Chipman Knitting Mills, Easton, Pa. Hosiery. No. 121,406; Apr. 30; v. 249; p. 1217.
Chipman Knitting Mills, Easton and Selinsgrove, Pa. Hosiery. No. 121,758; May 28; v. 250; p. 993.
Chipman Knitting Mills, Easton, Pa. Hosiery. No. 122,682; Sept. 10; v. 254; p. 445.
Chlorosan A.-G. Chemisch-Therapeutische Präparate, Zofingen, Switzerland. Blood-generating remedy in tabloids whose efficient components are chlorophyl, iron, and calcium. No. 120,345; Feb. 5; v. 247; p. 238.
Christensen, Peter C., West Orange, N. J. Photographic developers. No. 122,304; July 23; v. 252; p. 957.
Christian Kurtzmann Incorporated, Buffalo, N. Y. Pianos. No. 121,071; Apr. 2; v. 249; p. 232.
Chronicle Publishing Company, The, San Francisco, Cal. Daily newspaper. No. 121,044; Apr. 2; v. 249; p. 231.
Churchill & Alden Co., Brockton, Mass. Men's, women's and children's shoes. No. 121,126; Apr. 9; v. 249; p. 503.
Churchill & Alden Co., Brockton, Campello Station, Mass. Shoes made of leather, canvas, or fabric. Nos. 122,683–4; Sept. 10; v. 254; p. 445.
Churchman, Alfred, Kansas City, Mo. Coffee. No. 121,263; Apr. 23; v. 249; p. 980.
Cirelli, Francesco, Philadelphia, Pa. Phonographs. No. 122,441; Aug. 20; v. 253; p. 741.
Clark & MacKusick Company, Boston, Mass. Coffee. No. 123,205; Oct. 22; v. 255; p. 823.
Clark Manufacturing Company, The, Boston, Mass. Certain named receptacles made of cretonne, canvas, &c. No. 123,023; Oct. 8; v. 255; p. 361.
Clark Paper & Manufacturing Co., Rochester, N. Y. Corrugated cover-caps for apple-barrels. No. 123,423; Nov. 12; v. 256; p. 447.
Clark, Robert E., Charlottesville, Va. Liquid preparation for eczema and dandruff. No. 122,638; Sept. 3; v. 254; p. 221.
Clark, Robert F., Salt Lake City, Utah. Coal and wood cooking and heating stoves. No. 123,102; Oct. 15; v. 255; p. 605.
Clarke, George E., St. Johns Wood, England. Foods for animals and poultry. No. 120,952; Mar. 19; v. 248; p. 763.
Clarx Milling Company, Minneapolis, Minn. Whole-wheat and rye flours, Graham flour. No. 120,953; Mar. 19; v. 248; p. 763.
Cleary, Michael H., Waverly, Ill. Preparation for curing corns. No. 120,846; Mar. 12; v. 248; p. 496.
Cleeland Inshuro Pen Company, Butler, Pa. Fountain-pens. No. 122,307; July 23; v. 252; p. 957.
Cleveland Home Brewing Co., The, Cleveland, Ohio. Beer. No. 120,168; Jan. 15; v. 246; p. 819.
Cleveland Macaroni Company, The, Cleveland, Ohio. Paste food specifically macaroni, spaghetti, and noodles. No. 120,954; Mar. 19; v. 248; p. 763.
Cleveland Provision Company, The, Cleveland, Ohio. Ham. No. 120,169; Jan. 15; v. 246; p. 819.
Clifford and Cobb, Greenfield, Mass. Disinfectants. No. 120,347; Feb. 5; v. 247; p. 238.

Alphabetical list of registrants of trade-marks—Continued.

Cloverdale Spring Company, Baltimore, Md. Certain named mineral waters and non-alcoholic beverages. No. 120,016; Jan. 1; v. 246; p. 297.
Coast Fishing Co., Inc., Wilmington, Cal. Canned sardines packed in cotton-seed oils and spiced tomato sauce. No. 122,375; July 30; v. 252; p. 1139.
Coates, Wallace B., Jr., Lynn, Mass. Certain named toilet preparations. No. 120,072; Jan. 8; v. 246; p. 563.
Cobb and Dofflemyer, Exeter, Cal. Oranges, lemons, and grape-fruit. No. 120,841; Mar. 12; v. 248; p. 495.
Cobb and Dofflemyer, Exeter, Cal. Oranges, lemons, grape-fruit. No. 121,596; May 14; v. 250; p. 509.
Cochard, Alexander, Brooklyn, N. Y. Drying compound for printing and lithographing inks. No. 120,346; Feb. 5; v. 247; p. 238.
Coddon, Mendel, Los Angeles, Cal. Metal-polish. No. 121,046; Apr. 2; v. 249; p. 231.
Coen, Pearl A., Columbus, Ohio. Coal. No. 121,407; Apr. 30; v. 249; p. 1217.
Coffee Products Company, Baltimore, Md. Coffee wafers, No. 121,125; Apr. 9; v. 249; p. 503.
Cohen, Benjamin A., New York, N. Y. Rain-coats and rubber goods. Nos. 120,550–1; Feb. 19; v. 247; p. 741.
Cohen, Benjamin M., New York, N. Y. Silk, cotton, and woolen piece goods. No. 122,305; July 23; v. 252; p. 957.
Cohen, Charles S., Newark, N. J. Preparation for the prevention and treatment of pyorrhea, &c. No. 123,103; Oct. 15; v. 255; p. 605.
Cohen & Company, I. & B., New York, N. Y. Men's worsted suits and overcoats. No. 120,552; Feb. 19; v. 247; p. 741.
Cohen and Hartenstein, Boston, Mass. Boys' and girls' shoes. No. 121,408; Apr. 30; v. 249; p. 1217.
Cohen, Nathan B., Scranton, Pa. Hair-nets. No. 120,479; Feb. 12; v. 247; p. 475.
Cohn Flour & Feed Co., Baton Rouge, La. Wheat-flour. No. 122,442; Aug. 20; v. 253; p. 742.
Cohn Flour & Feed Co., Baton Rouge, La. Wheat-flour. No. 122,784; Sept. 17; v. 254; p. 651.
Cohn, Goldwater & Company, Los Angeles, Cal. Men's and boys' overalls. No. 123,565; Nov. 19; v. 256; p. 640.
Cohn, Goldwater & Company, Los Angeles, Cal. Boys' one-piece play-suits. No. 123,566; Nov. 19; v. 256; p. 640.
Cohn, Goldwater & Company, Los Angeles, Cal. Men's and boys' shirts, men's night-shirts, girls' and women's blouses, and pajamas. No. 123,567; Nov. 19; v. 256; p. 640.
Cohn, J. & M., New York, N. Y. Ladies' shirt and dress waists and collars made of silk, cotton, &c. No. 120,848; Mar. 12; v. 248; p. 496.
Cohn & Rosenberger, Inc., New York, N. Y. Certain named articles made wholly or partly of or plated with precious metal. No. 121,162; Apr. 16; v. 249; p. 735.
Coles & Company, New York, N. Y. Clothes-baskets. No. 122,376; July 30; v. 252; p. 1139.
Colgate & Co., Jersey City, N. J., and New York, N. Y. Perfumes, toilet waters and creams, face and toilet powders, sachets. No. 120,348; Feb. 5; v. 247; p. 238.
Colgate & Co., Jersey City, N. J., and New York, N. Y. Soaps. No. 120,955; Mar. 19; v. 248; p. 763.
Colgate & Co., Jersey City, N. J., and New York, N. Y. Soaps. No. 121,409; Apr. 30; v. 249; p. 1217.
Colgate & Co., Jersey City, N. J. Soap for cleaning and preserving leather and imitation-leather goods. No. 122,306; July 23; v. 252; p. 957.
Collat, Samuel, New York, N. Y. Certain named clothing. No. 120,017; Jan. 1; v. 246; p. 297.
Collat, Samuel, New York, N. Y. Certain named clothing. No. 122,579; Aug. 27; v. 253; p. 949.
Collins & Aikman Company, Jersey City, N. J., and Philadelphia, Pa. Pile fabrics sold as piece goods. No. 122,067; June 25; v. 251; p. 835.
Collins & Aikman Company, Jersey City, N. J., and Philadelphia, Pa. Plushes. No. 123,206; Oct. 22; v. 255; p. 823.
Collins Canning Co., Lakeland, Fla. Certain named foods. No. 123,568; Nov. 19; v. 256; p. 640.
Collins-McCarthy Candy Co., San Francisco, Cal. Candies. No. 120,844; Mar. 12; v. 248; p. 496.
Colorado Milling & Elevator Co., Denver, Colo., and Burley, Idaho. Wheat-flour. No. 120,843; Mar. 12; v. 248; p. 496.
Colorado Milling & Elevator Co., The, Denver, Colo., and Burley, Idaho. Wheat-flour. No. 121,266; Apr. 23; v. 249; p. 980.
Colorado Milling & Elevator Co., The, Denver, Colo., and Burley, Idaho. Wheat-flour. No. 122,443; Aug. 20; v. 253; p. 742.
Colorado Milling & Elevator Company, Denver, Colo., and Weiser, Idaho. Wheat-flour. No. 123,569; Nov. 19; v. 256; p. 640.
Columbia Fastener Company, Chicago, Ill. Dress-fasteners. No. 120,849; Mar. 12; v. 248; p. 496.
Columbia Fastener Company, Chicago, Ill. Dress-fasteners. No. 122,265; July 16; v. 252; p. 741.
Columbia Fastener Company, Chicago, Ill. Dress-fasteners. Nos. 122,847–8; Sept. 24; v. 254; p. 861.
Columbia Milling Co., Portland, Oreg. Wheat-flour. No. 123,982; Dec. 31; v. 257; p. 1075.
Columbia Novelty Mfg. Co., St. Louis, Mo. Steel belt-lacing or belt-hook. No. 123,104; Oct. 15; v. 255; p. 605.
Columbia River Milling Co., Wilbur, Wash. Wheat-flour. No. 120,349; Feb. 5; v. 247; p. 238.
Columbia Tool Steel Company, Chicago Heights, Ill. Certain named metals and metal castings and forgings. No. 123,983; Dec. 31; v. 257; p. 1075.
Combination Rubber Mfg. Co., The, Bloomfield, N. J. Rubber tires and inner tubes. No. 122,444; Aug. 20; v. 253; p. 742.
Commercial Camera Company, Providence, R. I. Photographic paper. No. 121,876; June 11; v. 251; p. 458.
Commercial Chemical Co., Memphis, Tenn. Chemical composition for destroying insects and rodents. No. 123,024; Oct. 8; v. 255; p. 361.
Commercial Laboratories, Inc., Newark, N. Y. Egg substitute in powder form. No. 123,025; Oct. 8; v. 255; p. 361.
Commercial Shirt Company, New York, N. Y. Dress, negligée, work, and under shirts. No. 122,194; July 9; v. 252; p. 499.
Commonwealth Products Corporation, New York, N. Y. Emulsifying agent for oils, &c. No. 123,984; Dec. 31; v. 257; p. 1075.
Community Marvel Millers' Association, Owensboro, Ky. Wheat and whole-wheat flours and flour blended from wheat and corn. No. 120,170; Jan. 15; v. 246; p. 819.
Community Marvel Millers' Association, Owensboro, Ky. Bread. No. 120,171; Jan. 15; v. 246; p. 819.
Compania Comercial Mexicana, Inc., New York, N. Y. Wheat-flour, dried beans, peas, and fruit, cornmeal. No. 122,685; Sept. 10; v. 254; p. 445.
Congoleum Company, The, Philadelphia, Pa. Prepared floor-coverings of the oiled-cloth type. No. 122,686; Sept. 10; v. 254; p. 445.
Congoleum Company, The, Philadelphia, Pa. Prepared floor-coverings of the oiled-cloth type. No. 123,332; Oct. 29; v. 255; p. 1049.
Conley, Michael C., Spokane, Wash. Liniment for the treatment of certain named diseases. No. 123,425; Nov. 12; v. 256; p. 447.
'Conomy Muffler Company, Milwaukee, Wis. Mufflers and muffler attachments for coats. No. 123,207; Oct. 22; v. 255; p. 823.
Conroy, Edgar A., Wilkes-Barre, Pa., assignor to Perma-Loc Manufacturing Company. Non-adhesive patches for the inner tubes of automobile-tires. No. 121,267; Apr. 23; v. 249; p. 980.
Consolidated Millinery Company, Chicago, Ill. Women's hats. Nos. 120,956–8; Mar. 19; v. 248; pp. 763–4.
Consolidated Safety Pin Co., Bloomfield, N. J. Safety-pins. No. 121,410; Apr. 30; v. 249; p. 1217.
Consolidated Safety Pin Co., Bloomfield, N. J. Safety-pins. Nos. 122,192–3; July 9; v. 252; p. 499.
Consolidated Safety Pin Co., Bloomfield, N. J. Safety-pins. No. 123,428; Nov. 12; v. 256; p. 447.
Consolidated Wafer Company, New York, N. Y., and Chicago, Ill. Ice-cream cones. No. 120,553; Feb. 19; v. 247; p. 741.
Constantin, George, New York, N. Y. Chocolates and bonbons. No. 120,718; Mar. 5; v. 248; p. 229.
Constas, Constantine N., Syracuse, N. Y. Chocolate confections. No. 120,850; Mar. 12; v. 248; p. 496.
Consumers' Guide Publishing Company, Inc., New York, N. Y. Semi-annual publications. No. 121,163; Apr. 16; v. 249; p. 735.
Continental Chemical Company, The, Denver, Colo. Chemical preparation for certain named purposes. No. 123,426; Nov. 12; v. 256; p. 447.
Continental Engineering Corporation, Omaha, Nebr. Devices for imparting a rotative movement to puppet-valves for gas-engines. No. 120,351; Feb. 5; v. 247; p. 238.
Continuous Reaction Company Limited, London, England. High-speed tool-steel in ingot form. No. 121,598; May 14; v. 250; p. 509.
Converse & Company, New York, N. Y. Cotton piece goods. No. 120,073; Jan. 8; v. 246; p. 563.
Converse & Company, New York, N. Y. Cotton piece goods. Nos. 123,208–9; Oct. 22; v. 255; p. 823.
Converse & Company, New York, N. Y. Cotton piece goods. No. 123,895; Dec. 17; v. 257; p. 643.
Converse, Frederick S., Boston, Mass. Sleeping-bags. No. 120,352; Feb. 5; v. 247; p. 238.
Converse Rubber Shoe Co., Malden, Mass. Boots and shoes made of or containing rubber. No. 121,760; May 28; v. 250; p. 993.
Converse Rubber Shoe Co., Malden, Mass. Boots and shoes made of rubber and fabric. No. 122,016; June 18; v. 251; p. 671.
Converse Rubber Shoe Co., Malden and Boston, Mass. Rubber boots and shoes and parts thereof. No. 121,411; Apr. 30; v. 249; p. 1217.
Converse Rubber Shoe Company, Malden, Mass. Rubber shoes. No. 122,580; Aug. 27; v. 253; p. 949.
Coolrite Co., Inc., The, Ithaca, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 122,377; July 30; v. 252; p. 1139.

Alphabetical list of registrants of trade-marks—Continued.

Cooper-Bell Varnish Co., Chicago, Ill. Enamels. No. 121,873; June 11; v. 251; p. 458.
Cooper-Bell Varnish Co., Chicago, Ill. Varnishes. No. 122,191; July 9; v. 252; p. 499.
Cooper Medicine Company, The, Dayton, Ohio. Preparation for headache, colds, neuralgia, and nervousness. No. 122,849; Sept. 24; v. 254; p. 861.
Coöperative Drug Co., The, Ravenswood, W. Va. Stomach and liver tablets. No. 120,554; Feb. 19; v. 247; p. 741.
Copeman Laboratories, Inc., Flint, Mich. Grease-cups. No. 123,570; Nov. 19; v. 256; p. 640.
Copeman Laboratories, Inc., Flint, Mich. Grease put up in the form of cartridges. No. 123,571; Nov. 19; v. 256; p. 640.
Coppedge Specialty Company, Winston-Salem, N. C. Card game. No. 120,959; Mar. 19; v. 248; p. 764.
Corn Products Refining Co., New York, N. Y. Dextrin. No. 120,555; Feb. 19; v. 247; p. 741.
Corning Glass Works, Corning, N. Y. Cover-glasses for vehicle-headlights. No. 121,164; Apr. 16; v. 249; p. 735.
Corning, Louis A., Elmira, N. Y. Ice-cream. No. 121,546; May 7; v. 250; p. 251.
Corwin, J. Stanley, New York, N. Y. Printers' blankets. No. 122,110; June 25; v. 251; p. 836.
Cosgrove & Company, Johnstown, Pa. Bituminous coal. Nos. 121,165–6; Apr. 16; v. 249; p. 735.
Cotto-Waxo Co., St. Louis, Mo. Sweeping and cleaning compounds. No. 121,412; Apr. 30; v. 249; p. 1217.
Cowan Truck Company, Holyoke, Mass. Electrically-propelled trucking-vehicles. No. 120,960; Mar. 19; v. 248; p. 764.
Coxe & Lloyd Leather Company, Wilmington, Del. Glacéd kid and fancy leathers. No. 122,445; Aug. 20; v. 253; p. 742.
Crabbs Reynolds Taylor Co., Incorporated, Crawfordsville, Ind. Stock feeds. No. 122,850; Sept. 24; v. 254; p. 861.
Crabbs Reynolds Taylor Co. Incorporated, Crawfordsville, Ind. Alfalfa, clover, timothy, and grass seeds. No. 123,896; Dec. 17; v. 257; p. 643.
Crafton, Bernard, Malabar, Fla. Fresh fruits, including citrus fruits, and fresh vegetables. No. 121,702; May 21; v. 250; p. 763.
Cramer, James M., San Francisco, Cal. Automobile and furniture polishes. No. 121,874; June 11; v. 251; p. 458.
Crandall, Bruce V., Chicago, Ill. Magazine published monthly. No. 123,798; Dec. 10; v. 257; p. 404.
Crandall Packing Company, Palmyra, N. Y., and Birmingham, Ala. Rubber belting and hose. No. 121,167; Apr. 16; v. 249; p. 735.
Crane, Clarence A., Cleveland, Ohio. Chocolates. No. 121,875; June 11; v. 251; p. 458.
Crane Packing Company, Chicago, Ill. Metallic packing. No. 121,047; Apr. 2; v. 249; p. 231.
Cravenette Co., U. S. A., The, Hoboken, N. J. Piece goods of woolen, worsted, cotton, &c., and mixtures of the same. No. 121,413; Apr. 30; v. 249; p. 1218.
Crawford, George S., McKeesport, Pa. A vitaminic product for addition to food. No. 120,172; Jan. 15; v. 246; p. 819.
Crea, Myra L., Fargo, N. D. Liquid preparation for keeping the hair fluffy and curly. No. 120,074; Jan. 8; v. 246; p. 563.
Credit Clearing House, The, New York, N. Y. Trade and credit publications issued monthly and semi-annually. No. 121,599; May 14; v. 250; p. 509.
Cremoline Disinfecting Co., St. Louis, Mo. Disinfectants, insect-exterminators, stock-dip, and chemical solution. No. 120,075; Jan. 8; v. 246; p. 563.
Cresca Company, New York, N. Y. Certain named foods. No. 121,704; May 21; v. 250; p. 763.
Crescent City Carbonate Company, New Orleans, La. Fruit syrups, flavors, and colors for use in making soft drinks and non-alcoholic beverages. No. 121,600; May 14; v. 250; p. 509.
Crescent Garter Company, New York, N. Y. Men's garters. No. 121,761; May 28; v. 250; p. 993.
Cretors, Charles, Chicago, Ill. Popcorn. No. 122,068; June 25; v. 251; p. 835.
Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. No. 120,354; Feb. 5; v. 247; p. 238.
Crew Levick Company, Philadelphia, Pa. Tire-sealing compounds. No. 120,480; Feb. 12; v. 247; p. 475.
Crew Levick Company, Philadelphia, Pa. Polishing-cloths. No. 121,168; Apr. 16; v. 249; p. 735.
Crew Levick Company, Philadelphia, Pa. Glare-eliminating devices for headlights in the nature of refractors. No. 121,169; Apr. 16; v. 249; p. 735.
Crew Levick Company, Philadelphia, Pa. Tire-chains. No. 121,268; Apr. 23; v. 249; p. 980.
Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. No. 123,429; Nov. 12; v. 256; p. 447.
Crew Levick Company, Philadelphia, Pa. Lubricating oils and greases. No. 123,572; Nov. 19; v. 256; p. 640.
Crew Levick Company, Philadelphia, Pa. Oils for lubricating wool fibers preparatory to spinning. No. 123,939; Dec. 24; v. 257; p. 813.

Cribben & Sexton Company, Chicago. Certain named paints and painters' materials. No. 122,785; Sept. 17; v. 254; p. 651.
Cross, La Dette R., Syracuse, N. Y. Motor-fuel composed of gasolene and benzol. No. 123,106; Oct. 15; v. 255; p. 606.
Crowley, James B., San Francisco, Cal. Snap-fasteners. No. 120,251; Jan. 29; v. 246; p. 1199.
Crown Brewing Company, The, Cincinnati, Ohio. Non-alcoholic extract of malt and hops. No. 122,639; Sept. 3; v. 254; p. 221.
Crown Glove Company, New York, N. Y. Fabric gloves. No. 123,210; Oct. 22; v. 255; p. 823.
Crown Margarin Company, East St. Louis, Ill. Oleomargarin. No. 122,851; Sept. 24; v. 254; p. 861.
Crown Perfumery Company, The, New York, N. Y. Perfumes. No. 122,852; Sept. 24; v. 254; p. 861.
Crown Willamette Paper Company, San Francisco, Cal., and Ocan Falls, British Columbia, Canada. Wrapping-paper. Nos. 122,853–4; Sept. 24; v. 254; p. 861.
Crystal Soap Company, Milwaukee, Wis. Toilet soaps. No. 122,266; July 16; v. 252; p. 741.
Cuccia Fruit Co., P. L., Los Angeles, Cal. Fresh oranges, lemons, and grape-fruit. Nos. 122,956–7; Oct. 1; v. 255; p. 157.
Cudahy Brothers Company, Cudahy, Wis. Bacon and ham. No. 122,446; Aug. 20; v. 253; p. 742.
Cudahy Packing Company, The, Chicago, Ill., and Omaha, Nebr. Certain named foods. No. 122,069; June 25; v. 251; p. 835.
Culinary Products Co., Wichita, Kans. Preparation to be used in place of eggs in cooking and baking. No. 122,786; Sept. 17; v. 254; p. 651.
Cullen Brokerage Co., The, Omaha, Nebr. Certain named foods. No. 122,308; July 23; v. 252; p. 957.
Cummings, Irving W., Detroit, Mich. Petroleum-asphaltum roof-coating. No. 120,556; Feb. 19; v. 247; p. 741.
Cunningham, Martin, New York, N. Y. Polishing-preservative in the nature of furniture-polish. No. 123,107; Oct. 15; v. 255; p. 606.
Cuno Engineering Corporation, The, Meriden, Conn. Certain named electrical apparatus, machines, and supplies. No. 122,309; July 23; v. 252; p. 957.
Cupples Company Manufacturers, St. Louis, Mo. Rubber tires. No. 121,762; May 28; v. 250; p. 993.
Curtis Corporation, The, Bloomington and Long Beach, Cal. Canned fish. No. 121,877; June 11; v. 251; p. 458.
Curtis Corporation, The, Bloomington and Long Beach, Cal. Canned peppers. No. 122,070; June 25; v. 251; p. 835.
Curtis Corporation, The, Bloomington, Cal. Sauce or relish for seasoning foods. No. 122,310; July 23; v. 252; p. 957.
Curtis Olive Corporation, Bloomington and Long Beach, assignor to Curtis Corporation, San Bernardino, Cal. Canned artichokes, pimentos, and fish. No. 122,856; Sept. 24; v. 254; p. 861.
Cussins & Fearn Co., The, Columbus, Ohio. Mattresses. No. 123,427; Nov. 12; v. 256; p. 447.
Cussins & Fearn Co., The, Columbus, Ohio. Bed-springs. No. 123,430; Nov. 12; v. 256; p. 447.
Cussins & Fearn Co., The, Columbus, Ohio. Flexible roofing of felt saturated with asphalt waterproofing material. No. 123,431; Nov. 12; v. 256; p. 447.
Cutino, Edmund D., Kansas City, Mo. Nail-polish and hair-removers. No. 123,985; Dec. 31; v. 257; p. 1075.
Cutter-Tower Company, Inc., New York, N. Y. Tooth-picks. No. 120,557; Feb. 19; v. 247; p. 741.
Cutter-Tower Company, Inc., New York, N. Y. Tooth-picks. No. 121,170; Apr. 16; v. 249; p. 735.
Cygnet Rear Car Company, Buffalo, N. Y. Wheeled trailer-cars for attachment to motor-cycles and the like. No. 120,018; Jan. 1; v. 246; p. 297.
Cylinder Manufacturing Company, Paterson, N. J. Stock-rolls for fabrics. Nos. 120,558–61; Feb. 19; v. 247; p. 741.
D. De Bernardi & Co., Inc., San Francisco, Cal. Cheese. No. 122,134; July 2; v. 252; p. 241.
D. Nusbaum & Co., New York, N. Y. Certain named clothing. No. 122,607; Aug. 27; v. 253; p. 950.
Dagg, Derneden Co., Seattle, Wash. Men's dress, negligée, and work shirts. No. 122,195; July 9; v. 252; p. 499.
Daisy Cup Company Inc., The, New York, N. Y. Paper or paper-pulp cups, bowls, and dishes. No. 122,408; Aug. 13; v. 253; p. 509.
Daisy Whitehead Knitting Co., New York, N. Y. Hosiery. No. 123,211; Oct. 22; v. 255; p. 824.
Daniel Green Felt Shoe Company, Boston, Mass. Slippers made in whole or in part of felt or leather. No. 123,592; Nov. 19; v. 256; p. 641.
Daniel Hays Company, The, Gloversville, N. Y. Leather gloves. No. 123,236; Oct. 22; v. 255; p. 824.
Daniels Motor Car Company, Reading, Pa. Automobiles and automobile radiators and hub-caps. No. 120,173; Jan. 15; v. 246; p. 819.
Danubil Co., Inc., The, New York, N. Y. Asbestos machinery packing. No. 122,857; Sept. 24; v. 254; p. 861.

Alphabetical list of registrants of trade-marks—Continued.

Darling, Frank A., Girard, Ohio. Preparation for cleaning engine-cylinders and removing carbon deposits therefrom. No. 120,356; Feb. 5; v. 247; p. 238.
Darling, J. Frank, New York, N. Y. Oil-cloth and linoleum. No. 120,019; Jan. 1; v. 246; p. 297.
Darwin & Milner, Inc., New York, N. Y. Metal tools for cutting, forming, or holding. No. 120,357; Feb. 5; v. 247; p. 238.
Darwin & Milner, Inc., New York, N. Y. Bar-steel and steel castings. No. 120,719; Mar. 5; v. 248; p. 229.
Darwin & Milner, Inc., New York, N. Y. Bar-steel and steel castings. No. 123,574; Nov. 19; v. 256; p. 640.
Dave Rubinger & Bro., Inc., New York, N. Y. Velvets, corduroys, silks, &c., all in the piece. No. 121,499; Apr. 30; v. 249; p. 1220.
Davenport-Brown Co., Somerville, Mass. Aeroplane-propellers. No. 123,897; Dec. 17; v. 257; p. 643.
Davies, Rose & Co. Ltd., Boston, Mass. Cough-tablets. No. 120,359; Feb. 5; v. 247; p. 238.
Davis Chemical Manufacturing Co., Inc., Boston, Mass. Textile material for cleaning and polishing automobile windows and wind-shields. No. 121,601; May 14; v. 250; p. 510.
Davis, Emerson, Concord, N. H. Breakfast wheat food. No. 121,414; Apr. 30; v. 249; p. 1218.
Davis & Geck, Inc., Brooklyn, N. Y. Packaged antiseptic for surgical purposes. No. 123,026; Oct. 8; v. 255; p. 361.
Davison, Eli Z., Burwell, Ga. Measuring-tape wound with ribbon on reels or spools. No. 122,789; Sept. 17; v. 254; p. 651.
Dawley, Laura R., New York, N. Y. Certain named toilet preparations. No. 120,076; Jan. 8; v. 246; p. 563.
Day, Horace L., New York, N. Y. Preparation for colds, rose and hay fevers, and nose and throat affections. No. 120,720; Mar. 5; v. 248; p. 229.
Dayton Malleable Iron Co., Dayton, Ohio. Malleable-iron castings. No. 123,108; Oct. 15; v. 255; p. 606.
De Bar, Mary, St. Paul, Minn. Medical compound used in the treatment of certain named diseases. No. 121,269; Apr. 23; v. 249; p. 980.
De Cordova, Charles, New York, N. Y. Tea. No. 121,878; June 11; v. 251; p. 458.
De Luxe Mfg. Co., Chicago, Ill. Fountain-pens. No. 121,416; Apr. 30; v. 249; p. 1218.
De Nazaris, Marcelino B., New York, N. Y. Board games. No. 122,518; Aug. 20; v. 253; p. 744.
De Pree Chemical Company, Holland, Mich., and Chicago, Ill. Hot-water bottles, fountain and combination syringes. No. 121,048; Apr. 2; v. 249; p. 231.
De Sarak, Dr. Albert Count, Washington, D. C. Bulletins issued periodically. No. 120,114; Jan. 8; v. 246; p. 565.
De Vilbiss Manufacturing Company, The, Toledo, Ohio. Atomizers and nebulizers. No. 120,253; Jan. 29; v. 246; p. 1199.
De Vilbiss Manufacturing Company, The, Toledo, Ohio. Atomizers or spraying instruments for medical and surgical purposes. No. 121,547; May 7; v. 250; p. 251.
De Vry Corporation, The, Chicago, Ill. Moving-picture projectors. No. 123,576; Nov. 19; v. 256; p. 640.
Dean Medicine Company, Milwaukee, Wis. Cough-drops. Nos. 120,721–2; Mar. 5; v. 248; p. 229.
Dearborn Chemical Company, Chicago, Ill. Chemical compound for removing and preventing rust. No. 122,582; Aug. 27; v. 253; p. 949.
Deatel, Geo. A., Baltimore, Md. Remedies for indigestion. No. 123,696; Dec. 3; v. 257; p. 187.
Defiance Chemical Company, Norfolk, Va. Tire-puncture repairing or sealing powder. No. 120,252; Jan. 29; v. 246; p. 1199.
Defiance Machine Works, The, Defiance, Ohio. Certain named metal-working machinery. No. 121,879; June 11; v. 251; p. 458.
Deford, Paul F., Pasadena, Cal. Hair-dye. No. 121,270; Apr. 23; v. 249; p. 980.
Deis-Fertig Co., The, Dover, Ohio. Rubber fruit-jar rings. No. 122,858; Sept. 24; v. 254; p. 861.
Deis-Fertig Co., The, Dover, Ohio. Gas-mantles. No. 122,859; Sept. 24; v. 254; p. 861.
Deis-Fertig Co., The, Dover, Ohio. Canned vegetables, spices, and tomato catsup. No. 123,697; Dec. 3; v. 257; p. 187.
Del Monte Specialty Co., The, Tacoma, Wash. Cigars. No. 120,852; Mar. 12; v. 248; p. 496.
Delaware Punch Company of Texas, The, San Antonio, Tex. Non-alcoholic maltless beverages sold as soft drinks and extracts and syrups for making the same. No. 122,196; July 9; v. 252; p. 499.
Deltox Grass Rug Company, Oshkosh, Wis. Furniture. No. 120,174; Jan. 15; v. 246; p. 819.
Demonets' Inc., Washington, D. C. Caramels and candy. No. 121,417; Apr. 30; v. 249; p. 1218.
Denninger Garment Manufacturing Company, The, Los Angeles, Cal. Certain named ladies' and children's garments. No. 122,197; July 9; v. 252; p. 499.
Denver Alfalfa Milling & Products Co., The, Hartman, Colo. Monthly periodical. No. 122,958; Oct. 1; v. 255; p. 157.
Denver Alfalfa Milling & Products Co., The, Lamar, Colo. Alfalfa-meal. No. 123,986; Dec. 31; v. 257; p. 1075.
Denver Rock Drill Manufacturing Company, The, Denver, Colo. Rock-drills, drill bits and sharpeners. No. 121,271; Apr. 23; v. 249; p. 980.
Deppé, William P., New York, N. Y. Apparatus for producing a certain named gas. No. 120,358; Feb. 5; v. 247; p. 238.
Derryvale Linen Company, New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 121,763; May 28; v. 250; p. 993.
Detroit Oak Belting Co., Detroit, Mich. Leather belting. No. 120,666; Feb. 26; v. 247; p. 961.
Detroit Pressed Steel Company, Detroit, Mich. Load-carrying wheels. No. 122,071; June 25; v. 251; p. 835.
Detroit Soluble Oil Co., Detroit, Mich. Lubricating-oils. No. 121,602; May 14; v. 250; p. 510.
Deutsch, Emil, New York, N. Y. Dresses and shirt, dress, and under waists. No. 120,481; Feb. 12; v. 247; p. 475.
Deutsch, Emma, New York, N. Y. Hair-tonic. No. 123,333; Oct. 29; v. 255; p. 1049.
Dexter Yarn Company, Pawtucket, R. I. Yarns and threads made of cotton, silk, wool, &c. No. 121,418; Apr. 30; v. 249; p. 1218.
Dexter Yarn Company, Pawtucket, R. I. Yarns and threads made of cotton, silk, wool, &c. No. 121,603; May 14; v. 250; p. 510.
Diamond Creamery Co., Inc., The, Massena and New York, N. Y. Condensed milk. No. 122,860; Sept. 24; v. 254; p. 861.
Diamond Fish Co., Seattle, Wash. Cured herring. No. 123,334; Oct. 29; v. 255; p. 1049.
Diamond State Fibre Company, Bridgeport, Pa. Wrapping and tracing papers. No. 120,563; Feb. 19; v. 247; p. 741.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa. Wrapping-papers known as glassine, vegetable parchment, &c. No. 123,432; Nov. 12; v. 256; p. 447.
Diamond T Motor Car Company, Chicago, Ill. Motor cars and trucks. No. 121,419; Apr. 30; v. 249; p. 1218.
Diatol Chemical Company, Baltimore, Md. Antiseptic powder. No. 120,360; Feb. 5; v. 247; p. 238.
Dicker & Ginsberg, New York, N. Y. Women's and misses' dresses. No. 123,698; Dec. 3; v. 257; p. 187.
Dicks David Co., Inc., New York, N. Y. Anilin dyes and dyestuffs generally. No. 122,861; Sept. 24; v. 254; p. 861.
Dickson-Sadler Company, Inc., Clarksville, Tenn. Liver medicine and laxative. No. 123,699; Dec. 3; v. 257; p. 187.
Dieffenbacher, Bemper L., Los Angeles, Cal. Dental cream. No. 121,548; May 7; v. 250; p. 251.
Dillingham, Frank A., Cincinnati, Ohio. Preparation for the treatment of affections or disorders of the kidneys, liver, stomach, and blood. No. 120,853; Mar. 12; v. 248; p. 496.
Dinhofer Bros., New York, N. Y. Certain named articles made wholly or partly of or plated with precious metal. No. 121,172; Apr. 16; v. 249; p. 735.
District of Columbia Paper Manufacturing Company, Alexandria, Va., and Washington, D. C. Paper. No. 122,267; July 16; v. 252; p. 741.
Dixie Auto Signal Company, Chicago, Ill. Automobile electric signal-lamps. No. 120,175; Jan. 15; v. 246; p. 819.
Doherr, Grimm & Company, Inc., New York, N. Y. Anilin dyes. No. 121,272; Apr. 23; v. 249; p. 980.
Dolgeville Felt Shoe Company, Dolgeville, N. Y. Soft-sole felt shoes, slippers. No. 120,723; Mar. 5; v. 248; p. 229.
Dominguez, Salvador, San Antonio, Tex. Hair-dressing and color-restorer. No. 122,742; Sept. 10; v. 254; p. 447.
Dominion Asbestos and Rubber Corporation, New York, N. Y. Rubber hose and belting, asbestos packing. No. 122,072; June 25; v. 251; p. 835.
Dominion Asbestos and Rubber Corporation, New York, N. Y. Rubber hose and belting, asbestos packing. Nos. 122,862–5; Sept. 24; v. 254; pp. 861–2.
Donahey, Moore & Donahey, Uhrichsville, Ohio. Earthenware tile for building construction. No. 120,020; Jan. 1; v. 246; p. 297.
Doniger & Company, Inc., New York, N. Y. Tooth, hair, nail, and cloth brushes. No. 121,173; Apr. 16; v. 249; p. 735.
Dorsch, Max E., Chicago, Ill. Rat and mouse traps. No. 120,079; Jan. 8; v. 246; p. 563.
Doty, Baron S., Graham, Tex. Skin-lotion. No. 120,176; Jan. 15; v. 246; p. 819.
Dort Motor Car Co., Flint, Mich. Automobiles. No. 122,866; Sept. 24; v. 254; p. 862.
Double Eccentric Piston Ring Corporation, St. Louis, Mo. Piston-rings. No. 120,177; Jan. 15; v. 246; p. 819.
Doughten, H. W., New York, N. Y. Grass and field seeds. No. 120,080; Jan. 8; v. 246; p. 564.
Doughten, H. W., New York, N. Y. Grass and field seeds. No. 123,799; Dec. 10; v. 257; p. 404.
Doughten, H. W., Brooklyn, N. Y. Grass and field seeds. No. 120,482; Feb. 12; v. 247; p. 475.
Douglas, Ben, Kansas City, Mo. Oil for use in the treatment of rheumatism. No. 123,577; Nov. 19; v. 256; p. 640.

Alphabetical list of registrants of trade-marks—Continued.

Douglass, Stephen A., St. Louis, Mo. Lawn-swings. No. 121,880; June 11; v. 251; p. 458.
Dounis & Co., Louis, Washington, D. C. Ice-cream cones. No. 123,987; Dec. 31; v. 257; p. 1076.
Draper Corporation, Portland, Me., and Hopedale, Mass. Serial publication issued at irregular intervals. No. 121,174; Apr. 16; v. 249; p. 735.
Draper Corporation, Portland, Me., and Hopedale, Mass. Loom-temples. No. 121,273; Apr. 23; v. 249; p. 980.
Draper Corporation, Portland, Me., and Hopedale, Mass. Twister-rings and drop-wires. No. 121,274; Apr. 23; v. 249; p. 980.
Dreadnaught Tire & Rubber Co., The, Orangeville, Md. Rubber vehicle-tires and inner tubes therefor. No. 121,275; Apr. 23; v. 249; p. 980.
Droker, David, Spokane, Wash. Prepared doughnut-flour. No. 123,578; Nov. 19; v. 256; p. 640.
Druggists' Supply Corporation, New York, N. Y. Papeteries and writing-tablets. No. 121,881; June 11; v. 251; p. 458.
Drum, Margaret, Baltimore, Md. Stomach, nerve, and liver tonic. No. 121,706; May 21; v. 250; p. 763.
Du Pont Fabrikoid Company, Wilmington, Del. Silk, satin, serge, and other woven fabrics provided with a coating to give the appearance of leather. No. 120,081; Jan. 8; v. 246; p. 564.
Duboc Paper Co., Chicago, Ill. Enameled book-paper. No. 123,109; Oct. 15; v. 255; p. 606.
Duboc Paper Company, Chicago, Ill. Envelops. No. 122,268; July 16; v. 252; p. 741.
Dubois Watch Case Company, Brooklyn, N. Y. Watches. Nos. 121,764–5; May 28; v. 250; p. 993.
Dubois Watch Case Company, Brooklyn, N. Y. Watches. No. 122,198; July 9; v. 252; p. 499.
Ducasse, François, New York, N. Y. Tube-repair kits. No. 120,483; Feb. 12; v. 247; p. 475.
Dufur Orchard Co-owners Co., The Dalles, Oreg. Fresh apples. No. 121,420; Apr. 30; v. 249; p. 1218.
Dunbar-Dukate Company, New Orleans, La. Canned pumpkin. No. 123,700; Dec. 3; v. 257; p. 187.
Duncan Coffee Co., Houston, Tex. Coffee in cans. No. 123,701; Dec. 3; v. 257; p. 187.
Duncan, Marguerite A., East Chattanooga, Tenn. Preparation for certain named diseases. No. 120,178; Jan. 15; v. 246; p. 819.
Dunn, Son & Company, John, New York, N. Y. Cotton and wool yarns. No. 123,800; Dec. 10; v. 257; p. 404.
Durlacque Manufacturing Co., St. Louis, Mo. Chemical cleaning compound of general application. No. 122,867; Sept. 24; v. 254; p. 862.
Dyer Packing Co., Vincennes, Ind. Canned vegetables and pork and beans. No. 121,127; Apr. 9; v. 249; p. 503.
E. Gal, Sociedad en Comandita, Madrid, Spain. Toilet soap. No. 120,568; Feb. 19; v. 247; p. 742.
E. Greenfield's Sons, New York, N. Y. Chocolates and candies. No. 121,552; May 7; v. 250; p. 251.
E. Ingraham Co., The, Bristol, Conn. Clocks. No. 122,483; Aug. 20; v. 253; p. 743.
E. Ingraham Co., The, Bristol, Conn. Clocks. No. 123,041; Oct. 8; v. 255; p. 362.
E. Ingraham Co., The, Bristol, Conn. Clocks. No. 123,447; Nov. 12; v. 256; p. 448.
E. Metzenaur Baking Powder Co., St. Louis, Mo. Blend coffee, cocoanut, macaroni, spaghetti, flavoring extracts. No. 120,763; Mar. 5; v. 248; p. 231.
E. A. Foy Company, The, Cincinnati, Ohio. Lightning-rods. No. 122,137; July 2; v. 252; p. 241.
E. A. Stevenson & Company, Wilmington, Del., and New York, N. Y. Nut butter or margarin. No. 122,544; Aug. 20; v. 253; p. 745.
E. B. Millar & Company, Chicago, Ill. Coffee. No. 123,740; Dec. 3; v. 257; p. 188.
E. C. Atkins & Company, Indianapolis, Ind. Babbitt metal. No. 121,849; June 11; v. 251; p. 457.
E. F. Houghton & Co., Philadelphia, Pa. Oil for use in the softening, strengthening, and dyeing of textiles. No. 122,383; July 30; v. 252; p. 1139.
E. G. Soltmann Incorporated, New York, N. Y. Pulp-board or board made of wood fiber. No. 121,147; Apr. 9; v. 249; p. 503.
E. H. Hamlin Co., Seattle, Wash. Canned salmon. Nos. 121,291–2; Apr. 23; v. 249; p. 980.
E. H. Hamlin Co., Seattle, Wash. Canned salmon. No. 121,617; May 14; v. 250; p. 510.
E. H. Harwood & Co., Hoboken, N. J., and New York, N. Y. Children's petticoats. No. 122,024; June 18; v. 251; p. 671.
E. I. du Pont de Nemours & Company, Wilmington, Del. Certain named mixed explosives, firearms, equipments, and projectiles. No. 121,175; Apr. 16; v. 249; p. 735.
E. I. du Pont de Nemours & Company, Wilmington, Del. Ready-mixed paint. Nos. 123,110–11; Oct. 15; v. 255; p. 606.
E. I. du Pont de Nemours & Company, Wilmington, Del. Oil wood-preservative. No. 123,579; Nov. 19; v. 256; p. 640.
E. T. Bel Rice Company, New Orleans, La. Rice. No. 121,239; Apr. 23; v. 249; p. 979.
E. W. Ellis Lumber Company, Grand Rapids, Mich. Wood beading. No. 121,278; Apr. 23; v. 249; p. 980.
E. & W. Pussyfoot Co., Alameda, Cal. Shock-absorbers for type-writers and adding-machines. No. 123,275; Oct. 22; v. 255; p. 825.
E. & Z. Van Raalte, New York, N. Y. Veils. No. 121,521; Apr. 30; v. 249; p. 1221.
E. & Z. Van Raalte, New York, N. Y. Veils. No. 122,400; July 30; v. 252; p. 1140.
Eagle Brewing Co. Inc., Waterbury, Conn. Ale, lager, and porter. No. 120,361; Feb. 5; v. 247; p. 238.
Eagle Manufacturing Co., Baltimore, Md. Ice-cream cones. No. 120,854; Mar. 12; v. 248; p. 496.
Eagle Pencil Company, New York, N. Y. Lead-pencils. No. 120,082; Jan. 8; v. 246; p. 564.
Eagle, Peter, Bridgeport, Conn. Preparation for consumption, rheumatism, weakness, and kidney trouble. No. 121,766; May 28; v. 250; p. 993.
Eagle Photo Studio, The, Brooklyn, N. Y. Photographic portraits and pictures. No. 122,448; Aug. 20; v. 253; p. 742.
Ear-Ease Company, Milwaukee, Wis. Preparation for the treatment and relief of earache. No. 123,112; Oct. 15; v. 255; p. 606.
Earl Fruit Company, Sacramento, Cal. Certain named fresh fruits. No. 122,269; July 16; v. 252; p. 741.
Earl & Wilson, Troy, N. Y. Men's and boys' collars. No. 124,063; Dec. 31; v. 257; p. 1078.
Earle C. Anthony, Inc., Los Angeles, Cal. Lubricating-oil. No. 123,533; Nov. 19; v. 256; p. 639.
Early & Daniel Company, The, Cincinnati, Ohio. Balanced-ration dairy and poultry feed. No. 123,212; Oct. 22; v. 255; p. 824.
Early & Daniel Company, The, Cincinnati, Ohio. Balanced-ration horse and mule feed. No. 123,213; Oct. 22; v. 255; p. 824.
Eastern Supply Co., San Diego, Cal. Metallic plates for use in polishing silver. No. 120,362; Feb. 5; v. 247; p. 238.
Eastern Tablet Company, Albany, N. Y. Writing-tablets, printing and writing paper. No. 121,605; May 14; v. 250; p. 510.
Eastern Tablet Company, Albany, N. Y. Writing-tablets and printing and writing papers. No. 122,199; July 9; v. 252; p. 499.
Eastman Kodak Co., Rochester, N. Y. Photographic-printing frames. No. 120,964; Mar. 19; v. 248; p. 764.
Eastman Kodak Co., Rochester, N. Y. Photographic film. No. 122,787; Sept. 17; v. 254; p. 651.
Eastman Kodak Company, Rochester, N. Y. Photographic dry-plates. No. 120,179; Jan. 15; v. 246; p. 819.
Eastman Kodak Company, Rochester, N. Y. Photographic paper. No. 120,363; Feb. 5; v. 247; p. 238.
Eastman Kodak Company, Rochester, N. Y. *Certain named measuring and scientific appliances. No. 120,963; Mar. 19; v. 248; p. 764.
Eastman Kodak Company, Rochester, N. Y. Camera-supports. No. 121,276; Apr. 23; v. 249; p. 980.
Eastman Kodak Company, Rochester, N. Y. Photographic paper. No. 121,606; May 14; v. 250; p. 510.
Eastman Kodak Company, Rochester, N. Y. Photographic paper. No. 122,200; July 9; v. 250; p. 499.
Eastman Kodak Company, Rochester, N. Y. Photographic paper. No. 123,214; Oct. 22; v. 255; p. 824.
Eastman Kodak Company, Rochester, N. Y. Photographic developer. No. 123,702; Dec. 3; v. 257; p. 187.
Eaton Rapids Woolen Mills. (See Horner Bros., assignors.)
Eaton Rapids Woolen Mills, Eaton Rapids, Mich. Yarn, woolen and hand-knitting yarns. No. 122,959; Oct. 1; v. 255; p. 157.
Eaton's Uzon Company Inc., Roanoke, Va. Cleaning compound in the nature of a paste for certain named surfaces. No. 122,135; July 2; v. 252; p. 241.
Eau Claire Baking Company, Eau Claire, Wis. Bread. No. 120,180; Jan. 15; v. 246; p. 819.
Eau de Cologne Fabriek v. h. J. C. Boldoot, Amsterdam, Netherlands. Paste for cleaning teeth. No. 122,687; Sept. 10; v. 254; p. 445.
Ebbecke, Philip G., Mobile, Ala. Medical preparation for coughs, colds, bronchitis, &c. No. 123,433; Nov. 12; v. 256; p. 447.
Echevarria Brothers, New York, N. Y. Soap. No. 123,801; Dec. 10; v. 257; p. 404.
Eckstein, Max, New York, N. Y. Ladies' hats. No. 121,767; May 28; v. 250; p. 993.
Econometer Company, St. Louis, Mo. Machines for measuring the length of textile fabric, &c. No. 122,788; Sept. 17; v. 254; p. 651.
Economy Scale Remover Company, Chicago Heights, Ill. Automobile-radiator sealing compound and scale-remover. No. 121,882; June 11; v. 251; p. 458.
Ed V. Price & Company, Chicago, Ill. Coats, trousers, vests, outer or over coats. No. 122,040; June 18; v. 251; p. 672.
Edgar-Morgan Company, Memphis, Tenn. Stock feed. No. 121,637; May 14; v. 250; p. 511.
Edlow Chemical Company, Elizabeth, N. J. Hair color-restorative. No. 122,868; Sept. 24; v. 254; p. 862.
Edson Manufacturing Co., Boston, Mass. Liquid-pumps and gas-engines. No. 120,725; Mar. 5; v. 248; p. 229.

Alphabetical list of registrants of trade-marks—Continued.

Edson Manufacturing Co., Boston, Mass. Rubber suction-hose and diaphragms. No. 121,607; May 14; v. 250; p. 510.
Edward & John Burke, Limited, Dublin and Belfast, Ireland. Stout and ale. No. 120,247; Jan. 29; v. 246; p. 1199.
Eezima, Hanan K., New York, N. Y. Treatment for certain named troubles. No. 120,258; Jan. 29; v. 246; p. 1199.
Ego Remedy Co., The, Salt Lake City, Utah. Liniment and an ointment for the treatment of certain named ailments. No. 120,726; Mar. 5; v. 248; p. 230.
Ehrhardt, Pierre, Paris, France. Chemical preparation used as a poultice. No. 120,083; Jan. 8; v. 246; p. 564.
Ehrlich, Nicholas, New York, N. Y. Chemical cigar-preservative. No. 123,802; Dec. 10; v. 257; p. 404.
Eichwald, Jacob, New York, N. Y. Children's dresses. No. 123,215; Oct. 22; v. 255; p. 824.
Eilers, J. Michael, Cincinnati, Ohio. Hand-bags. No. 123,113; Oct. 15; v. 255; p. 606.
Einik, Zenon A., Union City, Conn. Ointment for rheumatism. No. 123,898; Dec. 17; v. 257; p. 643.
Eisenstadt Manufacturing Co., St. Louis, Mo. Finger-rings. No. 120,084; Jan. 8; v. 246; p. 564.
Eisenstadt Manufacturing Company, St. Louis, Mo. Charms, pendants for neck-chains and bracelets, brooch-pins, finger-rings. No. 123,434; Nov. 12; v. 256; p. 447.
Elberta Crate Company, Bainbridge, Ga. Fruit and vegetable crates. No. 121,608; May 14; v. 250; p. 510.
Elder Manufacturing Co., St. Louis, Mo. Certain named clothing. No. 123,335; Oct. 29; v. 255; p. 1049.
Eldridge, Baker Company, Boston, Mass. Tea and coffee. No. 123,580; Nov. 19; v. 256; p. 640.
Electric Appliance Company, Chicago, Ill. Auto oil-soap, cream metal-polish, hand-cleansers. No. 122,270; July 16; v. 252; p. 741.
Electric Heating Apparatus Co., New York, N. Y., and Newark, N. J. Electric furnaces and parts thereof. No. 120,364; Feb. 5; v. 247; p. 238.
Electric Rubber Reclaiming Company, The, Barberton, Ohio. Composition soles and heels for shoes and boots. No. 122,201; July 9; v. 252; p. 499.
Elektra Toy & Novelty Co., New York, N. Y. Dolls. No. 121,176; Apr. 16; v. 249; p. 735.
Eli Lilly and Company, The, Indianapolis, Ind. Medicines. No. 123,336; Oct. 29; v. 255; p. 1049.
Elite Glove Co., Gloversville and New York, N. Y. Fabric gloves. No. 122,583; Aug. 27; v. 253; p. 949.
Elkhart Brass Manufacturing Company, Elkhart, Ind. Fire-department hose-nozzles. No. 122,869; Sept. 24; v. 254; p. 862.
Elliott, Leonard B., Chicago, Ill. Externally-applied remedy. No. 122,960; Oct. 1; v. 255; p. 157.
Ellis Grove Milling Company, Ellis Grove, Ill. Wheat-flour. No. 121,421; Apr. 30; v. 249; p. 1218.
Ellis, Keturah R., Louisville, Ky. Ointment to be applied to the scalp to promote growth of hair. No. 122,203; July 9; v. 252; p. 500.
Elmer Candy Co., Inc., New Orleans, La. Candy. No. 122,584; Aug. 27; v. 253; p. 949.
Elmer Candy Company, Inc., New Orleans, La. Candy. No. 122,271; July 16; v. 252; p. 741.
Elms & Sellon, New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 123,899; Dec. 17; v. 257; p. 643.
Ely & Walker Dry Goods Co., St. Louis, Mo. Men's outer shirts. No. 121,422; Apr. 30; v. 249; p. 1218.
Elyria Iron and Steel Company, The, Cleveland, Ohio. Steel tubes. No. 122,075; June 25; v. 251; p. 835.
Embossing Company, The, Albany, N. Y. Certain named games, toys, and sporting goods. No. 123,435; Nov. 12; v. 256; p. 447.
Embry, Leonard H., Nacogdoches, Tex. Tonic for the liver and digestive organs. No. 122,688; Sept. 10; v. 254; p. 445.
Emery Food Company, Chicago, Ill. Canned pears, peaches, cherries, tomatoes. No. 123,900; Dec. 17; v. 257; p. 643.
Empire Soap Company, New York, N. Y. Soap. No. 122,202; July 9; v. 252; p. 499.
Empire Weaving & Belting Corporation, East Rochester, N. Y. Woven cotton machinery-belting and automobile transmission-lining. No. 123,216; Oct. 22; v. 255; p. 824.
Empress Waist Co., New York, N. Y. Ladies' waists. No. 120,855; Mar. 12; v. 248; p. 496.
En-Zo Company, Denmark, Wis. Compound of evaporated skimmed milk and vegetable fat as a milk substitute. No. 121,535; May 7; v. 250; p. 251.
Enderes Incorporated, Albert Lea, Minn. Certain named cutlery, machinery, and tools, and parts thereof. No. 121,609; May 14; v. 250; p. 510.
Engineering Magazine Company, The, New York, N. Y. Series of printed books, which series has not yet been completed. No. 120,085; Jan. 8; v. 246; p. 564.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing-tackle. Nos. 123,029–31; Oct. 8; v. 255; p. 361.
Eraso Mfg. Co., Chicago, Ill. Composition abrasive ink-erasers composed of a mixture of powdered pumice-stone, glue, and albumin. No. 121,423; Apr. 30; v. 249; p. 1218.
Erker Bros. Optical Co., St. Louis, Mo. Spectacles, eye-glasses, stereopticons, photographic cameras. No. 120,727; Mar. 5; v. 248; p. 230.
Ernst Zobel Company, Inc., Brooklyn, N. Y. Disinfectant and germicide. No. 120,365; Feb. 5; v. 247; p. 238.
Errickson, Helmer E., Chicago, Ill. Powder for the relief of excessive perspiration. No. 122,449; Aug. 20; v. 253; p. 742.
Escejay Company, The, Cincinnati, Ohio. Cleansing and bleaching crystal. No. 121,279; Apr. 23; v. 249; p. 980.
Escejay Company, The, Cincinnati, Ohio. Soap. No. 123,582; Nov. 19; v. 256; p. 640.
Esco Manufacturing Co. Inc., Detroit, Mich. Automobile gasolene and ignition locks combined and tire-locks. No. 123,114; Oct. 15; v. 255; p. 606.
Ess Arr Knitting Mills, Inc., Brooklyn, N. Y. Sweaters, sweater-coats, jerseys, jersey coats, knitted scarfs and caps. No. 120,254; Jan. 29; v. 246; p. 1199.
Essanar Company, Inc., New York, N. Y. Board and counter games. Nos. 123,032–3; Oct. 8; v. 255; p. 361.
Esteban, Hermanos, Barcelona, Spain. Cotton and linen piece goods. No. 122,378; July 30; v. 252; p. 1139.
Etablissements Poulenc Frères, Paris, France. Curative vaccins. Nos. 123,436–7; Nov. 12; v. 256; pp. 447–8.
Etablissements Poulenc Frères, Paris, France. Dioxydiaminoarsenobenzol methylene sulfo-oxalate of soda. No. 123,438; Nov. 12; v. 256; p. 448.
Eugene O. Reed Company, Chicago, Ill. Candy. No. 122,818; Sept. 17; v. 254; p. 652.
Eureka Liquid Wheel Tightener Company, Modesta, Cal. Liquid preparations for expanding wood. No. 120,181; Jan. 15; v. 246; p. 820.
Evans Dollar Pen Company, The, Waterloo, Iowa. Fountain-pens. No. 122,870; Sept. 24; v. 254; p. 862.
Everett, Heaney & Company, Inc., New York, N. Y. Cotton goods in the piece. No. 120,182; Jan. 15; v. 246; p. 820.
Everett, Heaney & Company, Inc., New York, N. Y. Cotton goods in the piece. No. 120,484; Feb. 12; v. 247; p. 475.
Everett Heaney & Company, Inc., New York, N. Y. Bleached cotton shirtings and colored woven cotton dress goods. No. 121,062; Apr. 2; v. 249; p. 232.
Everett, Heaney & Company, Inc., New York, N. Y. Cotton goods in the piece. No. 121,768; May 28; v. 250; p. 993.
Everett, Heaney & Company, Inc., New York, N. Y. Cotton goods in the piece. No. 122,689; Sept. 10; v. 254; p. 445.
Everlastik, Incorporated, Boston, Mass. Suspenders and suspender-ends. No. 120,366; Feb. 5; v. 247; p. 238.
Everlastik, Incorporated, Boston, Mass. Shoe-elastic. No. 120,485; Feb. 12; v. 247; p. 475.
Evleth-Lindsay Company, St. Paul, Minn. Welding and cutting torches and gas-tanks. No. 123,803; Dec. 10; v. 257; p. 404.
Excelsior Needle Company, assignor to Torrington Company, Torrington, Conn. Latch-needles for knitting-machines. No. 120,728; Mar. 5; v. 248; p. 230.
Exchange Trust Company, Boston, Mass. Coupon-books for members of a Christmas savings-club. No. 121,424; Apr. 30; v. 249; p. 1218.
Express Spark Plug Company, Washington, D. C. Spark-plugs. No. 123,583; Nov. 19; v. 256; p. 640.
Eye Brand Confectionery, Inc., Brooklyn, N. Y. Lolly-pops. No. 121,049; Apr. 2; v. 249; p. 231.
F. Ad. Richter & Co., New York, N. Y. Hair-tonic. No. 121,000; Mar. 19; v. 248; p. 765.
F. Kelly Company, The, Derby, Conn. Snap-fasteners and safety-pins. No. 123,722; Dec. 3; v. 257; p. 188.
F. Neugass & Company, New York, N. Y. Infants' and children's coats. No. 123,263; Oct. 22; v. 255; p. 825.
F. A. Hardy & Company, Chicago, Ill. Goggles for use by aviators. No. 120,741; Mar. 5; v. 248; p. 230.
F. A. Patrick & Co., Duluth, Minn. Certain named threads and yarns. No. 123,269; Oct. 22; v. 255; p. 825.
F. E. Partridge Rubber Co., Ltd., The, Guelph, Ontario, Canada. Tires composed of rubber, fabric, &c. No. 122,524; Aug. 20; v. 253; p. 744.
F. E. Royston & Company, Inc., Aurora, Ill. Tea, flavoring extracts, vinegar, canned salmon, &c. No. 120,635; Feb. 19; v. 247; p. 744.
F. H. Hill Co., Chicago, Ill. Casket-handles and metal trimmings, undertakers' hardware used in connection with caskets. No. 120,390; Feb. 5; v. 247; p. 239.
F. H. Hill Co., Chicago, Ill. Metal burial-caskets. No. 122,703; Sept. 10; v. 254; p. 446.
F. H. Lawson Company, The, Cincinnati, Ohio. Certain named articles made of sheet metal. No. 120,594; Feb. 19; v. 247; p. 742.
F. H. White Company, Philadelphia, Pa. Suitcases, traveling-bags, brief-cases, portfolios. No. 123,403; Oct. 29; v. 255; p. 1051.
F. & W. Chemical Co., Philadelphia, Pa. Preparation for rheumatism. No. 121,870; June 11; v. 251; p. 457.
Faehner, Firm of Leon E., New York, N. Y. Toilet preparations. No. 121,280; Apr. 23; v. 249; p. 980.

Alphabetical list of registrants of trade-marks—Continued.

Fafnir Bearing Company, The, New Britain, Conn. Certain named cutlery, machinery, and tools, and parts thereof. No. 122,136; July 2; v. 252; p. 241.
Fairchild Bros. & Foster, New York, N. Y. Food product of certain named ingredients. No. 121,707; May 21; v. 250; p. 763.
Fairchild Bros. & Foster, New York, N. Y. Desiccated food obtained from whole-wheat berry, beef, maltose, and milk. No. 121,708; May 21; v. 250; p. 763.
Fairchild Company, Chicago, Ill. Semimonthly magazine. No. 122,961; Oct. 1; v. 255; p. 157.
Faire Bros. & Co. Limited, Leicester, England. Boot, shoe, and corset laces. No. 121,281; Apr. 23; v. 249; p. 980.
Fairmont Wall Plaster Company, Fairmont, W. Va. Composite roofing having fabric for a base. No. 123,115; Oct. 15; v. 255; p. 606.
Falls City Mills Co., Louisville, Ky. Men's, women's, and children's hosiery. No. 123,218; Oct. 22; v. 255; p. 824.
Falls Motors Corporation, Sheboygan Falls, Wis. Automobiles, trucks or trailers for same, autotrucks. No. 123,804; Dec. 10; v. 257; p. 404.
Falls Rubber Company, The, Cuyahoga Falls, Ohio. Vehicle-tires of rubber and rubber and fabric. No. 123,217; Oct. 22; v. 255; p. 824.
Fargo, Stephen, Cleveland, Ohio. Preparation for the treatment of colds, coughs, asthma, &c. No. 120,729; Mar. 5; v. 248; p. 230.
Fargo, Stephen, Cleveland, Ohio. Preparation for the treatment of catarrhal colds, influenza, bronchitis, and headache. No. 120,730; Mar. 5; v. 248; p. 230.
Fast Systems Company, Chicago, Ill. Compartmental cases for use in accounting or computing transactions. No. 120,565; Feb. 19; v. 247; p. 741.
Faultless Rubber Company, The, Ashland, Ohio. Certain named rubber articles. Nos. 121,425–6; Apr. 30; v. 249; p. 1218.
Faunce & Spinney, Inc., Lynn, Mass. Boots and shoes, leggings, and puttees. No. 121,427; Apr. 30; v. 249; p. 1218.
Fayette Live Stock Supply Co., The, Washington Court-House, Ohio. Granular compound used as a tonic for swine. No. 123,584; Nov. 19; v. 256; p. 640.
Fayette R. Plumb., Inc., Philadelphia and Bridesburg, Pa. Hammers, hatchets, axes, adzes, bush-hooks. No. 124,042; Dec. 31; v. 257; p. 1077.
Fealy, Thomas, Portland, Oreg. Preparation for the treatment of pyorrhea. No. 120,731; Mar. 5; v. 248; p. 230.
Feather Foot Company, New York, N. Y. Medical cream used externally for certain named ailments. No. 122,690; Sept. 10; v. 254; p. 445.
Federal Bearings Co. Inc., Fairview, Poughkeepsie, N. Y. Antifriction-bearings. No. 122,204; July 9; v. 252; p. 500.
Federal Bearings Co. Inc., Fairview, Poughkeepsie, N. Y. Antifriction-bearings. No. 122,790; Sept. 17; v. 254; p. 651.
Federal Bearings Co., Inc., The, Fairview, N. Y. Antifriction-bearings. No. 123,219; Oct. 22; v. 255; p. 824.
Federal Cartridge Company, Minneapolis, Minn. Shotgun-shells. No. 123,585; Nov. 19; v. 256; p. 640.
Federal Cocoa & Chocolate Co., Baltimore, Md. Candy. No. 121,282; Apr. 23; v. 249; p. 980.
Federal Export Corporation, New York, N. Y. Certain named billets, beam, plates, ingots, and metals. No. 120,255; Jan. 29; v. 246; p. 1199.
Federal Rubber Company, The, Cudahy, Wis. Composition soles and heels. No. 122,018; June 18; v. 251; p. 671.
Federal Underwear Co., New York, N. Y. Bath-robes. No. 121,770; May 28; v. 250; p. 994.
Feeley & Co., M. J., Boston, Mass. Rubber heels and soles. No. 123,805; Dec. 10; v. 257; p. 404.
Feld, Louis, Kansas City, Mo. Soap in cake and powdered form. No. 120,256; Jan. 29; v. 246; p. 1199.
Fellom, Roy, San Francisco, Cal. Periodical publication published monthly. No. 122,450; Aug. 20; v. 253; p. 742.
Feltenstein & Joffe, New York, N. Y. Ladies' hats and bonnets. No. 120,566; Feb. 19; v. 247; p. 741.
Ferguson, Joseph B., New York, N. Y. Automobiles, motor-trucks, carriages, and bodies, tops, axles, &c., therefor. No. 120,857; Mar. 12; v. 248; p. 496.
Ferguson-McKinney Mfg. Co., St. Louis, Mo. Colored cotton drills. No. 122,691; Sept. 10; v. 254; p. 445.
Ferguson-McKinney Mfg. Co., St. Louis, Mo. Certain colored cotton goods—namely, drills. No. 123,901; Dec. 17; v. 257; p. 643.
Ferguson & Timpson Limited, Glasgow, Scotland, and London, England. Composition machinery packing. No. 121,177; Apr. 16; v. 249; p. 735.
Ferguson & Timpson Limited, Glasgow, Scotland, and London, England. Composition machinery packing. No. 122,451; Aug. 20; v. 253; p. 742.
Fernsler, John, Philadelphia, Pa. Hair-tonics. No. 122,962; Oct. 1; v. 255; p. 157.
Fernsler, John, Philadelphia, Pa. Hair-tonics. No. 123,116; Oct. 15; v. 255; p. 606.
Fernsler, John, Philadelphia, Pa. Hair-tonics. No. 123,439; Nov. 12; v. 256; p. 448.
Ferré & Co., Limited, Antonio, Mayaguez, Porto Rico. Ground-cork substitute which is extracted from a tropical fiber. No. 120,742; Feb. 12; v. 247; p. 475.
Ferro-Concrete Paint & Chemical Co., The, St. Louis, Mo. Ready-mixed paints, paste and dry pigments used in the manufacture of paints. No. 121,883; June 11; v. 251; p. 458.
Ferry Hat Manufacturing Company, New York, N. Y. Hats. No. 122,692; Sept. 10; v. 254; p. 446.
Ferry, Rollo H., Spokane, Wash. Dental preparation. No. 122,380; July 30; v. 252; p. 1139.
Fertile Company, The, Cleveland, Ohio. Fertilizer. No. 122,205; July 9; v. 252; p. 500.
Fickett Manufacturing Co., Atlanta, Ga. Mops. No. 120,022; Jan. 1; v. 246; p. 297.
Fidelio Brewing Company, Inc., New York, N. Y. Malt beverage known as a soft drink. No. 121,178; Apr. 16; v. 249; p. 735.
Fields, Alberta E., Pasadena, Cal. Hair-tonics. No. 120,367; Feb. 5; v. 247; p. 238.
Fig-O-Lax Manufacturing Company, Grenada, Miss. Laxative remedy for constipation, indigestion, biliousness, and headache. No. 123,440; Nov. 12; v. 256; p. 448.
Filkins, Charles O., Rochester, N. Y. Proprietary remedies for treating certain named diseases. No. 121,884; June 11; v. 251; p. 458.
Finch, Van Slyck & McConville, St. Paul, Minn. Men's overalls. Nos. 123,220–1; Oct. 22; v. 255; p. 824.
Findley, John P., Knoxville, Pa. Children's toy vehicles. No. 120,487; Feb. 12; v. 247; p. 475.
Fine Art Lace Company, Philadelphia, Pa. Lace goods in the piece and lace curtains. No. 122,693; Sept. 10; v. 254; p. 446.
Finesco Co., The, Cleveland, Ohio. Stucco. No. 120,732; Mar. 5; v. 248; p. 230.
Fingold, Joseph, Chicago, Ill. Certain named knitted, netted, and textile fabrics. No. 120,488; Feb. 12; v. 247; p. 475.
Fink, William B., New York, N. Y. Ice-cream. No. 121,428; Apr. 30; v. 249; p. 1218.
Finlay, Dicks & Co., Ltd., New Orleans, La. Maltless beverage dispensed in concentrated form. No. 123,586; Nov. 19; v. 256; p. 641.
Firestone Tire & Rubber Company, The, Akron, Ohio. Rubber tires, casings, and tubes. No. 122,791; Sept. 17; v. 254; p. 651.
First National Exhibitors Circuit, Inc., New York, N. Y. Motion-picture films. No. 122,454; Aug. 20; v. 253; p. 742.
Firth-Sterling Steel Company, McKeesport, Pa. Tool-steel and steel in bar, rod, sheet, plate, hoop, ingot, and wire form. No. 120,368; Feb. 5; v. 247; p. 238.
Fischbeck Soap Co., San Francisco, Cal. Soaps. No. 120,370; Feb. 5; v. 247; p. 239.
Fischer & Co., H. G., Chicago, Ill. Certain named dental, medical, and surgical appliances. No. 121,885; June 11; v. 251; p. 458.
Fischer, Isadore M., Jr., Savannah, Ga. Medicines for malarial, fevers, colds, and la grippe. No. 121,283; Apr. 23; v. 249; p. 980.
Fish Canners' By-Products Company, Seattle, Wash., and Ketchikan, Territory of Alaska. Fish-meal used as poultry and stock food. No. 122,019; June 18; v. 251; p. 671.
Fish & Fish, near Sanford, Fla. Fresh produce and truck comprising lettuce, celery, tomatoes, &c. No. 120,369; Feb. 5; v. 247; p. 239.
Fisher Governor Co., The, Marshalltown, Iowa. Fabric and rubber belting, hose, and packing. No. 120,489; Feb. 12; v. 247; p. 475.
Fisher Governor Co., The, Marshalltown, Iowa. Fabric and rubber belting, hose and packing. No. 120,668; Feb. 26; v. 247; p. 961.
Fisher Governor Company, The, Marshalltown, Iowa. Certain named valves. No. 120,183; Jan. 15; v. 246; p. 820.
Fitch, Robert L., Philadelphia, Pa. Medicated deodorant toilet powder. No. 123,806; Dec. 10; v. 257; p. 404.
Fitchburg Garment Co., Fitchburg, Mass. Children's dresses, bloomers, and rompers. No. 121,429; Apr. 30; v. 249; p. 1218.
Fitzgerald, Asa L., Chattanooga, Tenn. Remedy for sweaty feet. No. 120,089; Jan. 8; v. 246; p. 564.
Flanagan Company, Tulsa, Okla. Gas and oil burners. No. 121,050; Apr. 2; v. 249; p. 231.
Flather & Company, (Inc.,) Nashua, N. H. Metal-working machines—namely, lathes. No. 121,610; May 14; v. 250; p. 510.
Fleischaker & Baum, New York, N. Y. Dolls and doll-dresses. No. 121,710; May 21; v. 250; p. 763.
Fleischer & Sons, I., Cincinnati, Ohio. Dress-fasteners. No. 122,452; Aug. 20; v. 253; p. 742.
Fleming, Charles, Ardmore, Okla. Herb tonic for kidney trouble. No. 122,453; Aug. 20; v. 253; p. 742.
Flintkote Company, The, Boston, Mass. Roofing material comprising felts saturated with compounds. Nos. 123,337–8; Oct. 29; v. 255; p. 1049.
Flodin, Charles W., Reno, Nev. Periodicals published weekly. No. 120,669; Feb. 26; v. 247; p. 961.
Flood & Conklin Co., Newark, N. J. Paint-surfacer. No. 121,611; May 14; v. 250; p. 510.

Alphabetical list of registrants of trade-marks—Continued.

Flood, Henry L., Ponca City, Okla. Spark-plugs. No. 123,990; Dec. 31; v. 257; p. 1076.
Floral Drug Company, The, Scranton, Pa. Cough mixtures. No. 120,965; Mar. 19; v. 248; p. 764.
Florsheim, Ivan P., Chicago, Ill. Talking-machines. No. 121,065; Apr. 2; v. 249; p. 232.
Flory Milling Company, Bangor borough, Pa. Rye-flour. No. 120,371; Feb. 5; v. 247; p. 239.
Flottorp Manufacturing Company, Chicago, Ill. Aeroplane-propellers. No. 122,074; June 25; v. 251; p. 835.
Fogg, Charles C., Lowell, Mass. Spring-water. No. 121,179; Apr. 16; v. 249; p. 736.
Foote & Jenks, Jackson, Mich. Flavoring extracts for use in food products. No. 120,858; Mar. 12; v. 248; p. 496.
Foote Mineral Co., Philadelphia, Pa. Minerals, certain named mineral products and ores, and mineral samples. Nos. 121,051–2; Apr. 2; v. 249; p. 231.
Foote Mineral Co., Philadelphia, Pa. Certain named mineral products and ores. No. 121,430; Apr. 30; v. 249; p. 1218.
Foote Mineral Co., Philadelphia, Pa. Tungstic acid. No. 121,886; June 11; v. 251; p. 458.
Foote Mineral Co., Philadelphia, Pa. Magnesium and magnesium compounds. No. 121,887; June 11; v. 251; p. 458.
Foote Mineral Co., Philadelphia, Pa. Lithium, magnesium, strontium, and thorium nitrate. No. 122,138; July 2; v. 252; p. 241.
Foote Mineral Co., Philadelphia, Pa. Monthly publication. No. 122,455; Aug. 20; v. 253; p. 742.
Fordom Textile Company, Inc., New York, N. Y. Cotton piece goods. No. 121,433; Apr. 30; v. 249; p. 1218.
Fordom Textile Company Inc., New York, N. Y. Underwear—namely, shirts and drawers made of knitted material. Nos. 121,771–2; May 28; v. 250; p. 994.
Foree Products Company, Chicago, Ill. Cleaning compound for wearing-apparel, &c. No. 123,442; Nov. 12; v. 256; p. 448.
Forest Products Chemical Company, Memphis, Tenn. Wood-preserving oils. No. 120,090; Jan. 8; v. 246; p. 564.
Forhan Company, New York, N. Y. Pyorrhea preparation. No. 120,372; Feb. 5; v. 247; p. 239.
Forni, Atilio, assignor to Oxico Co., San Jose, Cal. Medicinal preparation for use as a liniment. No. 120,859; Mar. 12; v. 248; p. 496.
Forquer, Bernard B., Joliet, Ill. Foot and bath tablets. No. 122,076; June 25; v. 251; p. 835.
Forstmann & Huffmann Co., Passaic, N. J. Woolen piece goods. No. 122,382; July 30; v. 252; p. 1139.
Forsyth Dyeing Co., The, New Haven, Conn. Web stretching and guiding machines. No. 120,373; Feb. 5; v. 247; p. 239.
Fort Dodge Grocery Co., Fort Dodge, Iowa. Certain named foods. No. 122,456; Aug. 20; v. 253; p. 742.
Fort Smith Coffee Company, Fort Smith, Ark. Blended coffee. No. 120,374; Feb. 5; v. 247; p. 239.
Fort Smith Coffee Company, Fort Smith, Ark. Coffee. No. 120,375; Feb. 5; v. 247; p. 239.
Fort Wayne Drug Company, Fort Wayne, Ind. Coffee. No. 123,034; Oct. 8; v. 255; p. 362.
Foulds Milling Company, The, Chicago, Ill., and Cincinnati, Ohio. Macaroni, sphaghetti, noodles. No. 122,077; June 25; v. 251; p. 835.
Fow Manufacturing Co., Philadelphia, Pa. Stovepipe-elbows. No. 123,223; Oct. 22; v. 255; p. 824.
Fox River Paper Co., Appleton, Wis. Writing-paper. Nos. 120,091–3; Jan. 8; v. 246; p. 564.
Fox River Paper Co., Appleton, Wis. Writing-paper. No. 120,567; Feb. 19; v. 247; p. 742.
Fox River Butter Company, Chicago, Ill. Butter. No. 121,773; May 28; v. 250; p. 994.
Foy Paint Co., The, Cincinnati, Ohio. Paint-filler. No. 120,376; Feb. 5; v. 247; p. 239.
Foy Signal Company, Chicago, Ill. Vehicle electric-light signaling devices. No. 123,587; Nov. 19; v. 256; p. 641.
France Manufacturing Co., Cleveland, Ohio. Magnetic rectifiers. No. 123,117; Oct. 15; v. 255; p. 606.
Francis H. Leggett & Co., New York, N. Y. Salad-dressing. No. 120,873; Mar. 12; v. 248; p. 496.
Francis H. Leggett & Co., New York, N. Y. Certain named non-alcoholic beverages. No. 124,014; Dec. 31; v. 257; p. 1076.
Francis T. Simmons & Co., Chicago, Ill. Underwear—viz., union-suits made of textile material. No. 122,749; Sept. 10; v. 254; p. 447.
Francis T. Simmons & Co., Chicago, Ill. Underwear—namely, textile union-suits. No. 123,861; Dec. 10; v. 257; p. 405.
Frank A. Steele Co., The, Alexandria, Va. Washing-powders, cleansers, soaps. No. 121,017; Mar. 19; v. 248; p. 765.
Frank E. Block Company, Atlanta, Ga. Candy. No. 122,774; Sept. 17; v. 254; p. 651.
Frank E. Fleet Co., Boston, Mass. Finished kangaroo, patent-leather, India-goat, and sheep skins. No. 120,486; Feb. 12; v. 247; p. 475.
Frank F. Pels Co., New York, N. Y. Embroidery-yarns. No. 122,102; June 25; v. 251; p. 836.
Frank McLees & Bros., New York, N. Y. Metal plates for printing purposes. No. 123,835; Dec. 10; v. 257; p. 405.
Frank W. Whitcher Company, Portland, Me., and Boston, Mass. Shoe-stretchers. No. 121,026; Mar. 19; v. 248; p. 766.
Frank W. Whitcher Company, Boston, Mass. Buttons for wearing-apparel. No. 121,990; June 11; v. 251; p. 461.
Frank W. Winne & Son, Incorporated, Philadelphia, Pa. Twines, cordage, ropes. No. 121,572; May 7; v. 250; p. 252.
Frankel Connector Co. Inc., New York, N. Y. Certain named electrical apparatus, machines, and supplies. No. 121,284; Apr. 23; v. 249; p. 980.
Frankel Display Fixture Company, New York, N. Y. Store and display fixtures. No. 121,551; May 7; v. 250; p. 251.
Frankenfelder, Bernhard, New York, N. Y. Hair-nets. No. 120,657; Feb. 26; v. 247; p. 961.
Frankenthal, Tillie S., Chicago, Ill. Potato chips. No. 123,339; Oct. 29; v. 255; p. 1050.
Fred. Eckart Packing Co., Fort Wayne, Ind. Sausage. No. 121,277; Apr. 23; v. 249; p. 980.
Fred Rueping Leather Co., Fond du Lac, Wis. Shoe and glove leathers. No. 123,279; Oct. 22; v. 255; p. 826.
Frederick Stearns & Co., Detroit, Mich. Nerve-tonic. No. 120,790; Mar. 5; v. 248; p. 232.
Frederick Stearns & Co., Detroit, Mich. Disinfectant, deodorant, and germicide. No. 121,104; Apr. 2; v. 249; p. 233.
Frederick Stearns & Co., Detroit, Mich. Perfumes, face-powders, and toilet waters. No. 121,105; Apr. 2; v. 249; p. 233.
Frederick Stearns & Co., Detroit, Mich. Dentifrice. No. 123,763; Dec. 3; v. 257; p. 189.
Fredman Milling & Manufacturing Co., The, Minneapolis, Minn. Certain named flours and breakfast foods. No. 122,963; Oct. 1; v. 255; p. 157.
Freeport Chemical Company, Freeport, Tex. Flowers of sulfur. Nos. 120,733–4; Mar. 5; v. 248; p. 230.
Freeport Chemical Company, Freeport, Tex. Refined flowers of sulfur. No. 120,735; Mar. 5; v. 248; p. 230.
French-American Phonograph Distributors, Inc., Wilmington, Del., and New York, N. Y. Talking-machine records. Nos. 121,053–5; Apr. 2; v. 249; p. 231.
French Valley Springs, Incorporated, Meadville, Pa. Non-alcoholic carbonated beverages to be sold as soft drinks. No. 120,968; Mar. 19; v. 248; p. 764.
French & Ward, New York, N. Y. Knitted and woven woolen piece goods. No. 121,774; May 28; v. 250; p. 994.
Freter, John C., Bridgeport, Ohio. Ointment used as a remedy for psoriasis and other skin diseases. No. 123,704; Dec. 3; v. 257; p. 187.
Fretz, Gross & Co., Philadelphia, Pa. Umbrellas, parasols, and frames and trimmings thereof. No. 122,381; July 30; v. 252; p. 1139.
Freund, Henry G., Davenport, Iowa. Veterinary medicine. No. 122,311; July 23; v. 252; p. 957.
Freydberg Bros., Inc., New York, N. Y. Catalogues published semi-annually. No. 120,094; Jan. 8; v. 246; p. 564.
Freydberg Bros., Inc., New York, N. Y. Cut-edge tape. No. 120,378; Feb. 5; v. 247; p. 239.
Freydberg, G., H. & E., New York, N. Y. Certain named ladies' neckwear, boudoir-caps, and automobile-hats. No. 120,969; Mar. 19; v. 248; p. 764.
Freygang, Paul, San Francisco, Cal. Cartons and bags for the packing and shipment of merchandise. No. 123,340; Oct. 29; v. 255; p. 1050.
Frezalene Manufacturing Company, Chicago, Ill. Non-freezing solution for automobile-radiators. No. 120,736; Mar. 5; v. 248; p. 230.
Fribley, James H., Bourbon, Ind. Preparation for biliousness. No. 122,078; June 25; v. 251; p. 835.
Friedrich & Kempe Co., Inc., Red Wing, Minn. Certain named foods. No. 122,020; June 18; v. 251; p. 671.
Frisbee Manufacturing Company, Boston, Mass. Certain named games. No. 123,705; Dec. 3; v. 257; p. 187.
Frishmuth Bro. & Company, Incorporated, Philadelphia, Pa. Cigarettes. No. 122,871; Sept. 24; v. 254; p. 862.
Frohn, Edward, Brooklyn, N. Y. Non-alcoholic soft-drink beverage and syrup for making the same. No. 120,257; Jan. 29; v. 246; p. 1199.
Fruited Cereal Company, The, Dover, Del., and Quincy, Ill. Special food product comprising a combination of cereals and fruits. No. 121,285; Apr. 23; v. 249; p. 980.
Fryer, Charles H., New York, N. Y. Nerve-tonic and stimulant. No. 123,807; Dec. 10; v. 257; p. 404.
Fry's (London) Ltd., London, England. Drills and reamers, blades, saws, cutters, hobs, mills, and punches. No. 120,379; Feb. 5; v. 247; p. 239.
Fry's (London) Ltd., London, England. Blades, saws, cutters, hobs, reamers, drills, mills, and punches. No. 120,380; Feb. 5; v. 247; p. 239.
Ft. Wayne Drug Company, Fort Wayne, Ind. Preparation for the treatment of certain named diseases. No. 121,612; May 14; v. 250; p. 510.
Fujita, Runosuke, New York, N. Y. Panama hats. No. 122,206; July 9; v. 252; p. 500.
Fujita, Runosuke, New York, N. Y. Panama hats. No. 122,585; Aug. 27; v. 253; p. 949.

Alphabetical list of registrants of trade-marks—Continued.

Fulper Pottery Company, Flemington, N. J. Certain named crockery, earthenware, and porcelain. No. 121,888; June 11; v. 251; p. 458.
Fulton Iron Works Company, St. Louis, Mo. Sugar-mill machinery, Corliss and oil engines, cane-crushing mills and rollers. No. 121,286; Apr. 23; v. 249; p. 980.
G. Batcheller Hall Co., Seattle, Wash. Canned evaporated milk. No. 122,006; June 18; v. 251; p. 671.
G. Batcheller Hall Co., Seattle, Wash. Canned salmon. Nos. 122,947–8; Oct. 1; v. 255; p. 157.
G. H. Hammond Company, The, Chicago, Ill. Canned pineapples, apricots, plums, pears, &c. No. 122,470; Aug. 20; v. 253; p. 742.
G. H. Hammond Company, The, Chicago, Ill. Canned corn, peas, peaches, &c. No. 122,472; Aug. 20; v. 253; p. 742.
G. H. Wetterau & Sons Grocer Co., St. Louis, Mo. Certain named foods. No. 121,229; Apr. 16; v. 249; p. 737.
G. H. Wetterau & Sons Grocer Co., St. Louis, Mo. Canned salmon, peas, corn, tomatoes. No. 122,939; Sept. 24; v. 254; p. 864.
G. W. Carnrick Co., New York, N. Y. Medicinal restorative tonic. No. 121,160; Apr. 16; v. 249; p. 735.
G. W. Emmons Company, San Francisco, Cal. Fresh pears. No. 123,581; Nov. 19; v. 256; p. 640.
G. W. Fort Company, The, Wilmington, Del., and Fort Washington and Philadelphia, Pa. Medical and compressed tablets possessing digestive, &c., properties. No. 121,431; Apr. 30; v. 249; p. 1218.
Gaba, A. G., Basel, Switzerland. Purgatives. No. 122,964; Oct. 1; v. 255; p. 157.
Galena-Signal Oil Company, Franklin, Pa. Illuminating, heating, and lubricating oils, paraffin waxes, and greases. No. 120,184; Jan. 15; v. 246; p. 820.
Gamse & Bro., H., Baltimore, Md. Certain named chemicals, medicines, and pharmaceutical preparations. No. 123,589; Nov. 19; v. 256; p. 641.
Gardenside Bookshop, Boston, Mass. Certain named prints and publications. No. 121,583; May 14; v. 250; p. 509.
Garza, Pablo G., Monterey, Mexico. Medicine for use in the treatment of epilepsy. No. 122,340; July 23; v. 252; p. 958.
Gasau-Thompson Company, Brooklyn, N. Y. Wire fabrics used particularly as spring-bottoms for beds, davenettes, couches, &c. No. 120,185; Jan. 15; v. 246; p. 820.
Gasorator Co., The, Bridgeport, Conn. Liquid-fuel vaporizers. No. 120,186; Jan. 15; v. 246; p. 820.
Gates Manufacturing Company, Indianapolis, Ind. Tire-covers. No. 123,808; Dec. 10; v. 257; p. 404.
Gates Paper Twine Co., Pleasantville, N. Y. Twine, cable-filling and seaming cords made of paper. No. 121,889; June 11; v. 251; p. 458.
Gawurin, Leon, New York, N. Y. Face-powder. No. 122,139; July 2; v. 252; p. 241.
Gaylord, Charles H., Chicago, Ill. Lime to be used by hand or applied to buffing-wheels in the polishing of metals. No. 122,273; July 16; v. 252; p. 741.
Gem Hammock & Fly Net Co., Milwaukee, Wis. Sheepskin-lined and blanket-lined coats, sportsmen's and Mackinaw coats, overcoats. No. 121,775; May 28; v. 250; p. 994.
Gempp, Edwin S., St. Louis, Mo. Bread. No. 122,140; July 2; v. 252; p. 241.
General Abrasive Co., Niagara Falls, N. Y. Corundum, emery, and silicon carbid. No. 120,569; Feb. 19; v. 247; p. 742.
General Asbestos & Rubber Company, Charleston, S. C. Brake and clutch linings and facings. No. 120,670; Feb. 26; v. 247; p. 961.
General Basic Products Company, Seattle, Wash. Lime to be used as an element of mortar or the like. No. 121,890; June 11; v. 251; p. 458.
General Can Company, Chicago, Ill. Can ends. No. 121,434; Apr. 30; v. 249; p. 1218.
General Chemical Company, New York, N. Y. Agricultural insecticides. No. 122,457; Aug. 20; v. 253; p. 742.
General Electric Company, Schenectady, N. Y. Bearings for machinery. No. 120,381; Feb. 5; v. 247; p. 239.
General Electric Company, Schenectady, N. Y. Apparatus for rectifying alternating current. No. 120,737; Mar. 5; v. 248; p. 230.
General Electric Company, Schenectady, N. Y. Rectifying apparatus. No. 121,287; Apr. 23; v. 249; p. 980.
General Laboratories, Madison, Wis. Antiseptics, germicides, and deodorants. No. 120,110; Jan. 8; v. 246; p. 564.
Gentalax Company, Chicago, Ill. Chocolate laxative in tablet form. No. 120,382; Feb. 5; v. 247; p. 239.
Geo. A. Bohrer Brewing Co., The, La Fayette, Ind. Ginger-ale. No. 121,693; May 21; v. 250; p. 763.
Geo. A. Slater Limited, Montreal, Quebec, Canada. Leather boots, shoes, slippers, and sandals. No. 120,119; Jan. 8; v. 246; p. 565.
Geo. B. Carpenter & Co., Chicago, Ill. Rubber and composition hose, rubber, leather, and composition belting and packing. No. 123,197; Oct. 22; v. 255; p. 823.
Geo. B. Carpenter & Co., Chicago, Ill. Hose, belting, and packing. No. 123,791; Dec. 10; v. 257; p. 403.
Geo. Borgfeldt & Co., New York, N. Y. Toy dolls and animals. No. 120,822; Mar. 12; v. 248; p. 495.
Geo. E. Keith Company, Brockton, Mass. Rubber heels. No. 121,453; Apr. 30; v. 249; p. 1219.
Geo. P. Braun Company, Chicago, Ill. Oleomargarin. No. 120,546; Feb. 19; v. 247; p. 741.
Geo. Haas & Sons, San Francisco, Cal. Candies. No. 120,384; Feb. 5; v. 247; p. 239.
George Borgfeldt & Co., New York, N. Y. Certain named toilet preparations. No. 120,063; Jan. 8; v. 246; p. 563.
George Borgfeldt & Co., New York, N. Y. Ornamental bric-à-brac or knick-knacks. No. 120,658; Feb. 26; v. 247; p. 961.
George Borgfeldt & Co., New York, N. Y. Certain named toys. No. 120,821; Mar. 12; v. 248; p. 495.
George, Nicholas A. F., Montrouge, near Paris, France. Paste for polishing metals. No. 123,377; Oct. 29; v. 255; p. 1051.
George S. Kelley Co., Inc., The, Providence, R. I. Dress and hair-ribbon fasteners. No. 121,304; Apr. 23; v. 249; p. 981.
Gerberg, Morris, New York, N. Y. Certain named toys. No. 120,023; Jan. 1; v. 246; p. 297.
Gerbrick, W. K., Neenah, Wis. Writing-paper. No. 122,872; Sept. 24; v. 254; p. 862.
Gerhard Mennen Chemical Co., Newark, N. J. Certain named toilet preparations. No. 121,288; Apr. 23; v. 249; p. 980.
Gerhard Mennen Chemical Co., Newark, N. J. Soaps, shaving-cream. No. 123,623; Nov. 19; v. 256; p. 642.
Gerhart, Robert L., Lancaster, Pa. Coffee. No. 122,312; July 23; v. 252; p. 957.
Gerhart, Robert L., Lancaster, Pa. Tea, rice, cinnamon, allspice, cloves, pepper, mustard. No. 122,694; Sept. 10; v. 254; p. 446.
Germo Manufacturing Company, St. Louis, Mo. Tonic and remedy for fowls. No. 120,095; Jan. 8; v. 246; p. 564.
Gerst, Wm. P., Alton, Iowa. Live hogs and poultry. No. 122,079; June 25; v. 251; 835.
Gibbs, John, Terre Haute, Ind. Preparation used in treating certain named diseases and ailments. No. 122,695; Sept. 10; v. 254; p. 446.
Gibson, Francis W., Boston, Mass. Coffee. No. 120,570; Feb. 19; v. 247; p. 742.
Gilbert, Joseph M., Andover, Mass., assignor to Carlisle Cord Tire Company, Inc., New York, N. Y. Automobile-tires of rubber and fabric. No. 122,873; Sept. 24; v. 254; p. 862.
Gilbert, Orlando C., Spokane, Wash. Preparation for the treatment of teeth and gums to relieve pain and for local-pain relief. No. 121,891; June 11; v. 251; p. 458.
Gillard & Co., Limited, London, England. Pickle. No. 123,706; Dec. 3; v. 257; p. 187.
Gillen & Boney, Inc., Lincoln, Nebr. Candy. No. 122,313; July 23; v. 252; p. 957.
Gilmore, Robert B., Morrow, Ohio. Preparation for the treatment of nasal catarrh, head noises and colds, &c. No. 121,711; May 21; v. 250; p. 763.
Gingo Soap Company, Greenville, S. C. Soap. No. 123,443; Nov. 12; v. 256; p. 448.
Ginnetti Manufacturing Company, Washington, D. C. Liquid preparation used in treatment of the hair. No. 122,314; July 23; v. 252; p. 957.
Girl Scouts, Washington, D. C. Shirts, coats, skirts, dresses, hats. No. 123,992; Dec. 31; v. 257; p. 1076.
Giroux, Pierre, Wheeling, W. Va. Shampoo and massage preparations in powder form. No. 120,861; Mar. 12; v. 248; p. 496.
Gitterman & Co., Henry, New York, N. Y. Shoe-cloth. No. 123,905; Dec. 17; v. 257; p. 643.
Gladke, Jerome J., Elmira, N. Y. Cream for tender, sunburned, and chapped skin. No. 122,696; Sept. 10; v. 254; p. 446.
Glass, Edward, Troy, N. Y. Rochelle salt. No. 122,697; Sept. 10; v. 254; p. 446.
Glendinning, McLeish & Co., Inc., New York, N. Y. Handkerchiefs. No. 123,225; Oct. 22; v. 255; p. 824.
Glidewell, A., Fayetteville, Tenn. Playing-cards. No. 123,035; Oct. 8; v. 255; p. 362.
Globe Canning Co., Eastport, Me. Canned sardines. Nos. 121,435–6; Apr. 30; v. 249; p. 1218.
Globe Canning Co., Eastport and North Lubec, Me. Sardines. Nos. 123,341–5; Oct. 29; v. 255; p. 1050.
Globe Canning Co., Eastport and North Lubec, Me. Sardines. No. 123,707; Dec. 3; v. 257; p. 187.
Globe Manufacturing Co., The, Peoria, Ill. Paints, varnishes, enamels, shellacs. No. 120,970; Mar. 19; v. 248; p. 764.
Globe Manufacturing Co., The, Peoria, Ill. Dry, paste, and ready-mixed paints. No. 122,460; Aug. 20; v. 253; p. 742.
Globe Merchandise Co., Inc., New York, N. Y. Crochet-weave, satin-weave, dimity, and krinkle-dimity quilts. No. 121,437; Apr. 30; v. 249; p. 1218.
Globe Printing Company, The, St. Louis, Mo. Bimonthly publication. No. 120,490; Feb. 12; v. 247; p. 475.
Globe Shirt & Overall Co., Abingdon, Ill. Men's outer coats and coat-dusters. No. 122,141; July 2; v. 252; p. 241.

Alphabetical list of registrants of trade-marks—Continued.

Globe Steel Company, The, Mansfield, Ohio. Metallic particles in grain, powdered, or pulverized form for stone-working operations. No. 122,207; July 9; v. 252; p. 500.
Globe-Wernicke Company, The, Cincinnati, Ohio. Book and filing cases, filing and office cabinets as articles of office furniture. No. 121,180; Apr. 16; v. 249; p. 736.
Gloria Phonograph Supply Co. Inc., New York, N. Y. Phonograph-needles. No. 122,874; Sept. 24; v. 254; p. 862.
Goitre Salve Co., Detroit, Mich. Salve for external application in the treatment of goiter. No. 121,438; Apr. 30; v. 249; p. 1218.
Gold Cross Remedy Company, Kansas City, Mo. Nerve-tonic, also a medical preparation taken internally for skin diseases. No. 121,776; May 28; v. 250; p. 994.
Goldberg, David N., Chicago, Ill. Non-alcoholic fruit and nut beverage and maltless syrup for making same. No. 123,994; Dec. 31; v. 257; p. 1076.
Golden Grain Juice Co., Minneapolis, Minn. Non-alcoholic beverage containing malt. No. 123,902; Dec. 17; v. 257; p. 643.
Golden Shoe Co., Inc., New York, N. Y. Men's, women's, and children's leather shoes. No. 120,972; Mar. 19; v. 248; p. 764.
Golden West Citrus Association, Tustin, Cal. Fresh citrus fruits. Nos. 123,708–10; Dec. 3; v. 257; p. 187.
Goldine Manufacturing Company, Youngstown, Ohio. Tonic and medicine used internally for treating certain named diseases and affections. No. 122,462; Aug. 20; v. 253; p. 742.
Goldman & Company, J., Norfolk, Va. Leather soles and heels, rubber heels and soles, and insoles. No. 120,131; Jan. 8; v. 246; p. 565.
Goldman Costume Company, New York, N. Y. Linoleum and like goods and certain articles made therefrom. No. 120,096; Jan. 8; v. 246; p. 564.
Goldman, Harry, St. Louis, Mo. Preparation to remove corns. No. 122,699; Sept. 10; v. 254; p. 446.
Goldsmith, Stern & Co., New York, N. Y. Watches. Nos. 123,711–13; Dec. 3; v. 257; pp. 187–8.
Goldstein & Co., A., Hoboken, N. J. Canned tomato sauce. No. 122,317; July 23; v. 252; p. 957.
Goldstein & Kres, Baltimore, Md. Blouses and middy-suits for women and girls. No. 122,586; Aug. 27; v. 253; p. 949.
Goldwyn Pictures Corporation, New York, N. Y. Moving-picture films. No. 122,458; Aug. 20; v. 253; p. 742.
Goldwyn Pictures Corporation, New York, N. Y. Moving-picture films. No. 123,995; Dec. 31; v. 257; p. 1076.
Goodlatte & Sons, T. R., New York, N. Y. Oiled and treated cotton piece goods as a substitute for window-glass. No. 122,965; Oct. 1; v. 255; p. 157.
Goodman, Solomon, Los Angeles, Cal. Canned peaches and apricots. No. 123,903; Dec. 17; v. 257; p. 643.
Goodman, Solomon, Los Angeles, Cal. Canned tomatoes, string-beans, apricots, and peaches. No. 123,904; Dec. 17; v. 257; p. 643.
Goodridge-Call Lumber Company, Minneapolis, Minn., and Great Falls, Mont. Water and weather proof building and roofing material. No. 120,190; Jan. 15; v. 246; p. 820.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Elastic vehicle-tires. No. 123,036; Oct. 8; v. 255; p. 362.
Gordon, Sewall & Co., Inc., Houston, Tex. Brooms. No. 120,025; Jan. 1; v. 246; p. 297.
Gordon, Sewall & Co. Inc., Houston, Tex. Baking-powder and starch. No. 121,439; Apr. 30; v. 249; p. 1218.
Gordon, Wolf, Cowen Co. Inc., New York, N. Y. Sweet-meat-butter. No. 122,021; June 18; v. 251; p. 671.
Gordon's Dry Gin Company, Limited, The, New York, N. Y. Dry and Old Tom gins. No. 120,024; Jan. 1; v. 246; p. 297.
Gorton-Pew Fisheries Co., Gloucester, Mass. Canned roe or a product prepared from canned roe. Nos. 122,080–1; June 25; v. 251; pp. 835–6.
Gorton-Pew Fisheries Co., Gloucester, Mass. Dried boneless fish. No. 123,346; Oct. 29; v. 255; p. 1050.
Gosnell, Mabel B., Minneapolis, Minn. Fruit preserves, jams, vegetable pickle relishes, pickles. No. 122,459; Aug. 20; v. 253; p. 742.
Gossom, Benjamin F., Brookline, Mass. Pure concentrated soups. No. 120,571; Feb. 19; v. 247; p. 742.
Gottschalk, Hugo, Reedsville, Pa. Bread, crackers, cakes, and pastry. No. 120,191; Jan. 15; v. 246; p. 820.
Grady Mfg. Co., The, Long Island City, N. Y. Tile and porcelain cleanser. No. 122,461; Aug. 20; v. 253; p. 742.
Graham, Irving A., New York, N. Y. Blank books. No. 120,572; Feb. 19; v. 247; p. 742.
Grand Ledge Milk Co., Detroit, Mich. Evaporated milk. No. 122,272; July 16; v. 252; p. 741.
Grand Rapids Brewing Co., Grand Rapids, Mich. Non-intoxicating malt beverage. No. 121,712; May 21; v. 250; p. 763.
Grand Rapids Fibre Cord Co., Grand Rapids, Mich. Paper twine and cord. No. 123,347; Oct. 29; v. 255; p. 1050.
Granite City Soap Company, Inc., Newburgh, N. Y. Automobile and oil soap. No. 123,444; Nov. 12; v. 256; p. 448.
Graton and Knight Manufacturing Company, The, Worcester, Mass. Leather soles. No. 120,971; Mar. 19; v. 248; p. 764.
Graton and Knight Manufacturing Company, The, Worcester, Mass. Round leather belting. No. 123,226; Oct. 22; v. 255; p. 824.
Great Southern Lumber Company, Bogalusa, La. Box-shooks, barrel staves and headings. No. 123,348; Oct. 29; v. 255; p. 1050.
Great Southern Lumber Company, Bogalusa, La. Railroad cross-ties, telephone and telegraph poles, &c. No. 123,590; Nov. 19; v. 256; p. 641.
Great Western Portland Cement Company of Kansas, Mildred, Kans. Portland cement. No. 123,591; Nov. 19; v. 256; p. 641.
Greeley Chemical Company, Dover, Del., and New York, N. Y. Reconstructive tonic. No. 121,057; Apr. 2; v. 249; p. 232.
Green Camera Company, Chicago, Ill. Cameras and tripods, moving-picture projectors and screens therefor. No. 122,208; July 9; v. 252; p. 500.
Green Dragon Company. (See Brownell, Harry F., assignor.)
Green, J. B., Houston, Tex. Non-alcoholic fruit-syrup beverage sold as a soft drink. Nos. 122,875–6; Sept. 24; v. 254; p. 862.
Green, Jessie, Tampa, Fla. Fever-tonic. No. 122,082; June 25; v. 251; p. 836.
Gregg, Marjorie T., Boston, Mass. Trousers. No. 120,132; Jan. 8; v. 246; p. 565.
Grejovan Company, Wilkes-Barre, Pa. Pharmaceutical preparation for certain named ailments and affections. No. 123,124; Oct. 15; v. 255; p. 606.
Griffin Mfg. Co., New York, N. Y. Liquid cleaning preparation for all colored leather, including white. No. 120,974; Mar. 19; v. 248; p. 764.
Griggs Cooper & Co., St. Paul, Minn. Tea. No. 120,862; Mar. 12; v. 248; p. 496.
Groceteria Stores Company, Seattle, Wash. Certain named foods. No. 123,349; Oct. 29; v. 255; p. 1050.
Gross & Co., Sol, New York, N. Y. Ladies' dress and shirt waists. No. 120,300; Jan. 29; v. 246; p. 1201.
Gross, Leopold, New York, N. Y. Wheat-flour. No. 122,209; July 9; v. 252; p. 500.
Gross, Leopold, New York, N. Y., assignor to W. P. Tanner-Gross & Co., Inc. Wheat-flour. No. 121,289; Apr. 23; v. 249; p. 980.
Grossmann, Henry, New York, N. Y. Ladies' hair-nets. No. 120,492; Feb. 12; v. 247; p. 475.
Grover's Sons, J. J., Lynn, Mass. Women's and misses' boots and shoes. No. 123,227; Oct. 22; v. 255; p. 824.
Groves Mills, Incorporated, Gastonia, N. C. Cotton yarns. No. 120,671; Feb. 26; v. 247; p. 961.
Grubnau, Bryant & Grubnau, Los Cerrillos, N. Mex. Zinc oxid and leaded zinc pigments. No. 120,975; Mar. 19; v. 248; p. 764.
Guano & Raggio, Inc., Philadelphia, Pa. Alimentary pastes, covering all kinds of macaroni. No. 122,022; June 18; v. 251; p. 671.
Guano & Raggio, Inc., Philadelphia, Pa. Alimentary pastes, covering all kinds of macaroni. No. 122,158; July 2; v. 252; p. 242.
Guano & Raggio, Inc., Philadelphia, Pa. Alimentary pastes covering all kinds of macaroni. No. 122,792; Sept. 17; v. 254; p. 651.
Guano & Raggio, Inc., Philadelphia, Pa. Macaroni and fancy alimentary pastes. No. 123,228; Oct. 22; v. 255; p. 824.
Guaranteed Remedies Co., The, Elyria, Ohio. Preparation for the treatment of piles. No. 122,318; July 23; v. 252; p. 957.
Guardian Savings Club Co., Dover, Del., and Chicago, Ill. Certain named coupons, books, cards, covers, envelops, and receptacles. No. 120,573; Feb. 19; v. 247; p. 742.
Guittard Company, San Francisco, Cal. Ground and cake chocolate, tea, cocoa, mustard, &c. No. 121,713; May 21; v. 250; p. 763.
Gulf Mfg. Co., Ltd., New Orleans, La. Food-flavoring extracts. No. 121,058; Apr. 2; v. 249; p. 232.
Gulf Publishing Company, Inc., Houston, Tex. Weekly magazines. No. 122,966; Oct. 1; v. 255; p. 157.
Gurley Candy Co., Minneapolis, Minn. Candies. No. 122,640; Sept. 3; v. 254; p. 221.
Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting of rubber and fabric. No. 120,192; Jan. 15; v. 246; p. 820.
Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting of rubber and fabric. No. 120,672; Feb. 26; v. 247; p. 961.
Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting of rubber and fabric. No. 120,738; Mar. 5; v. 248; p. 230.
Gutta Percha & Rubber Manufacturing Company, New York, N. Y. Belting and hose made of rubber and fabric. No. 120,863; Mar. 12; v. 248; p. 496.
Gutta Percha & Rubber Manufacturing Company, New York, N. Y. Certain named rubber goods. No. 120,864; Mar. 12; v. 248; 496.
Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting made of rubber and fabric. No. 123,037; Oct. 8; v. 255; p. 362.

Alphabetical list of registrants of trade-marks—Continued.

H. Boker & Co. Inc., New York, N. Y. Certain named metals and metal castings and forgings. Nos. 122,775–6; Sept. 17; v. 254; p. 651.
H. Boker & Co. Inc., New York, N. Y. Certain named metals. No. 123,090; Oct. 15; v. 255; p. 605.
H. Jevne Co., Los Angeles, Cal. Coffee-flavored taffy. No. 121,557; May 7; v. 250; p. 251.
H. Reeve Angel & Co. Inc., New York, N. Y. Filter-paper. Nos. 123,486–7; Nov. 12; v. 256; p. 449.
H. C. Cole Milling Co., Chester, Ill. Wheat-flour. No. 120,842; Mar. 12; v. 248; p. 496.
H. C. Cole Milling Co., Chester, Ill. Wheat-flour. No. 121,597; May 14; v. 250; p. 509.
H. C. Miner Lithographing Co., New York, N. Y. Lithographs, posters, photographs. No. 121,059; Apr. 2; v. 249; p. 232.
H. D. Lee Mercantile Co., The, Salina, Kans., and Kansas City, Mo. One-piece work-suits. No. 120,403; Feb. 5; v. 247; p. 240.
H. D. Lee Mercantile Co., The, Salina, Kans., and Kansas City, Mo. Coffee and tea. No. 122,030; June 18; v. 251; p. 672.
H. E. Wilcox Motor Company, Minneapolis, Minn. Motor-trucks and automobiles. No. 120,649; Feb. 19; v. 247; p. 744.
H. G. Saal Company, Chicago, Ill. Polishing-gloves. No. 121,209; Apr. 16; v. 249; p. 736.
H. H. Meyer Packing Company, The, Cincinnati, Ohio. Ham, bacon, and dried beef. No. 120,411; Feb. 5; v. 247; p. 240.
H. K. Mulford Company, Philadelphia, Pa. Certain named chemicals, medicines, and pharmaceutical preparations. No. 121,316; Apr. 23; v. 249; p. 981.
H. K. H. Silk Co. of N. Y., Inc., New York, N. Y. Cotton and woolen yarn. No. 123,811; Dec. 10; v. 257; p. 404.
H. M. Van Hoesen, Inc., Chicago, Ill. Magazine or periodical irregularly issued. No. 123,928; Dec. 17; v. 257; p. 644.
H. M. B. Company, The, Amherst, Mass. Plasters for treating cancers. No. 120,097; Jan. 8; v. 246; p. 564.
H. P. Coffee Company, St. Louis, Mo. Certain named foods. No. 120,383; Feb. 5; v. 247; p. 239.
H. R. Lathrop & Co. Inc., New York, N. Y. Tonic in tablet form. No. 120,754; Mar. 5; v. 248; p. 230.
H. R. Mallinson & Co., Inc., New York, N. Y. Silk piece goods. No. 123,917; Dec. 17; v. 257; p. 644.
H. T. Dewey & Sons Co., New York, N. Y. Medicinal tonic. No. 120,078; Jan. 8; v. 246; p. 564.
Haanel, Chas. F., St. Louis, Mo. Printed books, booklets, circulars, pamphlets, and periodicals. No. 122,464; Aug. 20; v. 253; p. 742.
Haas Brothers, New York, N. Y. Silk piece goods. No. 120,193; Jan. 15; v. 246; p. 820.
Hagopian & Setrakian Co., San Francisco, Cal. Canned grapes and dried cluster-raisins. No. 120,976; Mar. 19; v. 248; p. 764.
Haigh, Joseph, Kansas City, Kans. Medicinal preparations for treatment of the scalp and hair. No. 121,290; Apr. 23; v. 249; p. 980.
Haines, Jones & Cadbury Co., Philadelphia, Pa. Certain named plumbing fixtures and supplies. No. 123,593; Nov. 19; v. 256; p. 641.
Hakim & Co., J. H., New York, N. Y. Olive, corn salad and salad peanut oils, salad-oil pressed from cotton-seed. No. 121,553; May 7; v. 250; p. 251.
Halcomb Steel Company, Syracuse, N. Y. Tool-steel. No. 121,892; June 11; v. 251; p. 458.
Haley-Hammond Co. Inc., The, Jersey City, N. J., and New York, N. Y. Greases used for tanning leather. No. 122,701; Sept. 10; v. 254; p. 446.
Haley-Hammond Co., Inc., The, Jersey City, N. J., and New York, N. Y. Greases used for tanning leather. No. 123,350; Oct. 29; v. 255; p. 1050.
Hall, Harry T., Ashtabula, Ohio. Ventilator attachment for windows. No. 123,812; Dec. 10; v. 257; p. 404.
Hall, Hartwell & Co., Troy, N. Y. Collars and dress, negligé, and work shirts. No. 120,259; Jan. 29; v. 246; p. 1199.
Hall & Ruckel, New York, N. Y. Face-powder. No. 121,714; May 21; v. 250; p. 763.
Hall, Walter F., Philadelphia, Pa. Galvanized, black, and corrugated-metal sheets, tin-plate. No. 121,615; May 14; v. 250; p. 510.
Haller Baking Company, Pittsburgh, Pa. Bread. No. 120,865; Mar. 12; v. 248; p. 496.
Hamburger & Co., Inc., Baltimore, Md. Children's dresses. No. 123,229; Oct. 22; v. 255; p. 824.
Hamburger, Jacob, Fairmont, W. Va. Liniment for the treatment of certain named ailments. No. 121,616; May 14; v. 250; p. 510.
Hamilton, Brown Shoe Company, St. Louis, Mo. Leather boots and shoes. No. 121,440; Apr. 30; v. 249; p. 1218.
Hamilton Card & Paper House, Inc., New York, N. Y. Lithographing, printing, and type-writing paper, envelops. No. 123,038. Oct. 8; v. 255; p. 362.
Hamilton-Low Company, The, New York, N. Y. Dish-washing machines. No. 123,594; Nov. 19; v. 256; p. 641.
Hamilton Manufacturing Co., Cincinnati, Ohio. Preparation for relief of certain named ailments and diseases. No. 120,098; Jan. 8; v. 246; p. 564.
Hamilton Motors Company, Grand Haven, Mich. Motor-trucks and automobiles. No. 120,739; Mar. 5; v. 248; p. 230.
Hamlin, Dwight E., Pittsburgh, Pa. Food for horses and other live stock. No. 121,293; Apr. 23; v. 249; p. 980.
Hampden Watch Company, The, Canton, Ohio. Watches and watch-movements. No. 121,060; Apr. 2; v. 249; p. 232.
Hampden Watch Company, The, Canton, Ohio. Watches and watch-movements. No. 121,181; Apr. 16; v. 249; p. 736.
Hampden Watch Company, The, Canton, Ohio. Watches and watch-movements. Nos. 122,466–71; Aug. 20; v. 253; p. 742.
Hanaki, Sanziro, Muko-Gun, Hyogo-Ken, Japan. Sake. No. 120,740; Mar. 5; v. 248; p. 230.
Hanhurst, Alfred J., Albany, N. Y. Remedy for constipation. No. 121,294; Apr. 23; v. 249; p. 980.
Hansen, John M., Cleveland, Ohio. Show-cases, cedar chests, house-screens. No. 120,026; Jan. 1; v. 246; p. 297.
Hanson, Alfred M., Inkster, N. D. Hay-lifting machines. No. 122,142; July 2; v. 252; p. 241.
Hardenbergh Mfg. Co., Auburn, N. Y. Food-flavoring preparation. No. 120,578; Feb. 19; v. 247; p. 742.
Harlan Products Company, Indianapolis, Ind. Poultry and stock regulators. No. 121,295; Apr. 23; v. 249; p. 981.
Harmon Paper Company, Brownville, N. Y. Wall-paper. No. 123,445; Nov. 12; v. 256; p. 448.
Harold B. Pinder & Co., Chicago, Ill. Shelled peanuts, walnuts, pecans, almonds, and nuts mixed with raisins. No. 120,423; Feb. 5; v. 247; p. 240.
Harriet Hubbard Ayer, Inc., New York, N. Y. Certain named chemicals and pharmaceutical preparations for toilet purposes. Nos. 122,258–9; July 16; v. 252; p. 741.
Harriet Hubbard Ayer, New York, N. Y. Certain named pharmaceutical preparations for toilet purposes. Nos. 123,885–6; Dec. 17; v. 257; p. 643.
Harris, Albert, San Francisco, Cal. Certain named clothing. No. 120,099; Jan. 8; v. 246; p. 564.
Harris and Berntz Co., Philadelphia, Pa. Nursing-nipples. No. 121,441; Apr. 30; v. 249; p. 1218.
Harris Brothers Company, Chicago, Ill. Portable houses, cottages, garages, barns, &c. No. 122,967; Oct. 1; v. 255; p. 157.
Harris Company, Inc., The, New York, N. Y. Cotton piece goods. Nos. 123,230–3; Oct. 22; v. 255; p. 824.
Harris, Helen O., New York, N. Y. Monthly periodicals. No. 123,813; Dec. 10; v. 257; p. 404.
Harris-Polk Hat Co., St. Louis, Mo. Caps and hats. No. 121,442; Apr. 30; v. 249; p. 1218.
Harris Soap Company, Buffalo, N. Y. Laundry and oil soaps. No. 122,319; July 23; v. 252; p. 957.
Harris-Woodson Co. Inc., Lynchburg, Va. Candy. No. 123,906; Dec. 17; v. 257; p. 643.
Harry Jacobson Company Inc., New York, N. Y. Men's suits, overcoats, trousers, vests, &c. No. 122,026; June 18; v. 251; p. 671.
Hart, Burr, Detroit, Mich. Compound for cleaning fabrics and painted and varnished surfaces. No. 123,125; Oct. 15; v. 255; p. 606.
Harter Candy Co., The, Toledo, Ohio. Candies. No. 123,596; Nov. 19; v. 256; p. 641.
Harter Candy Co., The, Toledo, Ohio. Candies. No. 123,714; Dec. 3; v. 257; p. 188.
Harter Candy Company, The, Toledo, Ohio. Candy. No. 121,061; Apr. 2; v. 249; p. 232.
Hartman, Fred H., Ottumwa, Iowa. Wheat-flour. No. 121,618; May 14; v. 250; p. 510.
Hascall Paint Company, The, Cleveland, Ohio. Paints, paint-oils, varnishes, and stains. No. 120,385; Feb. 5; v. 247; p. 239.
Hascall Paint Company, The, Cleveland, Ohio. Plastic roofing material known as plastic roofing-cement. Nos. 120,387–8; Feb. 5; v. 247; p. 239.
Haskelite Manufacturing Corporation, Grand Rapids, Mich. Laminated wood. No. 122,211; July 9; v. 252; p. 500.
Haskell, Adams Co., Boston, Mass. Certain named foods. No. 122,641; Sept. 3; v. 254; p. 221.
Haslauer, Adolph, West Elizabeth, N. J. Spring dress-fasteners. No. 121,296; Apr. 23; v. 249; p. 981.
Haslin Mills, New York, N. Y. Cotton piece goods. No. 120,609; Feb. 19; v. 247; p. 743.
Hatton, Brown & Company, Inc., Roanoke, Va. Coal. No. 123,234; Oct. 22; v. 255; p. 824.
Haughton Elevator & Machine Co., The, Toledo, Ohio. Passenger and freight elevators, dumb-waiters, and parts thereof. No. 121,297; Apr. 23; v. 249; p. 981.
Havnor, Henry J., New York, N. Y. Cold and face-massage creams. No. 123,940; Dec. 24; v. 257; p. 813.
Hawkes & Son, London, England. Cases for carrying wind and string musical instruments. No. 120,194; Jan. 15; v. 246; p. 820.
Hawkins, C. A. & E. B., Peach Bottom township, York county, Pa. Fresh peaches and apples. No. 122,968; Oct. 1; v. 255; p. 157.
Hay, Clarence C., Como, Miss. Hair-dressing. No. 120,100; Jan. 8; v. 246; p. 564.

Alphabetical list of registrants of trade-marks—Continued.

Hayes-Diefenderfer Co., Inc., New York, N. Y. Extensions for automobile-chassis, also automobile bodies, windshields, dashes, and springs. No. 120,027; Jan. 1; v. 246; p. 297.
Hean, George W., Sydney, New South Wales, Australia. Medicinal preparations for the relief of coughs and colds. No. 122,474; Aug. 20; v. 253; p. 742.
Heath, Luther J., Baltimore, Md. Skin-lotion. No. 121,893; June 11; v. 251; p. 458.
Heath & Milligan Mfg. Co., Chicago, Ill. Certain named paints and painters' materials. No. 122,793; Sept. 17; v. 254; p. 651.
Hecht & Company, Washington, D. C. Refrigerators and ice-boxes. No. 120,101; Jan. 8; v. 246; p. 564.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat and rye flours. No. 122,473; Aug. 20; v. 253; p. 742.
Hedges-Buck Company, Stockton, Cal. Tea. No. 121,554; May 7; v. 250; p. 251.
Heidbrink Company, The, Minneapolis, Minn. Gas-administering machines. No. 123,715; Dec. 3; v. 257; p. 188.
Heidenheim Bros., New York, N. Y., and New Orleans, La. Coats, overalls, and work-shirts. No. 122,083; June 25; v. 251; p. 836.
Heimberg, Samuel, Boston, Mass. Smoking-pipes. No. 120,575; Feb. 19; v. 247; p. 742.
Heimlich, Adolph, New York, N. Y. Women's and misses' gowns and dresses. No. 120,389; Feb. 5; v. 247; p. 239.
Heinberg, George, Bay City, Mich. Preparation for the treatment of stomach disorders and constipation. No. 122,702; Sept. 10; v. 254; p. 446.
Heller, Alfred B., Hamburg, Pa. Brooms. No. 120,574; Feb. 19; v. 247; p. 742.
Heller & Company, B., Chicago, Ill. Insecticide. No. 122,475; Aug. 20; v. 253; p. 743.
Hemmerdinger, Henry, Brooklyn, N. Y. Cotton-waste used for cleaning machinery. No. 121,443; Apr. 30; v. 249; p. 1218.
Hemrich's Staff Products Co., Seattle, Wash. Maltless non-alcoholic beverages sold as soft drink. No. 122,969; Oct. 1; v. 255; p. 157.
Hendricks Liniment Company. (See Hendricks, Oregon, assignor.)
Hendricks, Oregon, assignor to Hendricks Liniment Company, Chicago, Ill. Medicinal liniments for use in the treatment of inflammations due to colds. No. 122,476; Aug. 20; v. 253; p. 743.
Hendryx Company, Inc., New York, N. Y. Sanitary covers for bottles and jars. No. 121,444; Apr. 30; v. 249; p. 1218.
Henne, Isabelle, Brooklyn, N. Y. Top lifts for shoe-heels. No. 122,212; July 9; v. 252; p. 500.
Henry Blewett & Son, Inc., Somerville, Mass. Bread. No. 122,302; July 23; v. 252; p. 957.
Henry Blewett & Son, Inc., Somerville, Mass. Bread. Nos. 123,322–3; Oct. 29; v. 255; p. 1049.
Henry Brady, Inc., Bloomfield, N. J. Boxes for butter, lard, and similar products. No. 120,712; Mar. 5; v. 248; p. 229.
Henry Disston & Sons, Incorporated, Philadelphia, Pa. Saws. No. 120,962; Mar. 19; v. 248; p. 764.
Henry Ford & Son, Incorporated, Dearborn, Mich. Tractors. No. 120,966; Mar. 19; v. 248; p. 764.
Henry G. Thompson & Son Co., The, New Haven, Conn. Hacksaw-blades. No. 123,663; Nov. 19; v. 256; p. 643.
Henry Glass & Co., New York, N. Y. Cotton piece goods. No. 122,315; July 23; v. 252; p. 957.
Henry Richmond & Sons, Ltd., Leeds, England. Malleable-iron boot-protectors, hob-nails, boot-studs. No. 121,497; Apr. 30; v. 249; p. 1220.
Henry Thayer & Co., Inc., Cambridge, Mass. Preparation for diseases of the ano-rectal region. No. 123,069; Oct. 8; v. 255; p. 363.
Henry, William E., Wilburtha, N. J. Prepared food for animals and poultry. No. 120,579; Feb. 19; v. 247; p. 742.
Henry Zimmern & Company, Inc., New York, N. Y. Watch-crystals. No. 120,928; Mar. 12; v. 248; p. 498.
Henry Zimmern & Company, Inc., New York, N. Y. Certain named paints and painters' materials. No. 122,362; July 23; v. 252; p. 959.
Herbert F. L. Funke Co. Inc., New York, N. Y. Steel balls and bearings. No. 123,224; Oct. 22; v. 255; p. 824.
Herberts Engineering Company, Inc., Wilmington, Del., and New York, N. Y. Electric store-window display or advertising machines. 120,742; Mar. 5; v. 248; p. 230.
Hercules Cement Corporation, Stockertown, Pa. Structural cement. No. 123,597; Nov. 19; v. 256; p. 641.
Hercules Electric Steel Corporation, New York, N. Y. High-speed tool-steel for making metal-working tools. No. 122,794; Sept. 17; v. 254; p. 651.
Hercules Electric Steel Corporation, New York, N. Y. High-speed tool-steel in bar, rod, and other forms. No. 123,126; Oct. 15; v. 255; p. 606.
Hercules Manufacturing Company, Oklahoma, Okla. Tire-patch. No. 122,477; Aug. 20; v. 253; p. 743.
Hergenrether & Son, Joseph, Chicago, Ill. House-brooms which consist of a fiber brush with wooden tops and wooden handles. No. 122,213; July 9; v. 252; p. 500.
Herkimer Fibre Company, The, Herkimer, N. Y., and Boston, Mass. Manufactured water-resisting leather-board. No. 122,463; Aug. 20; v. 253; p. 742.
Herman Basch & Co., Inc., Brooklyn, N. Y. Fur coats for outer wear, fur caps, muffs, neck-pieces, gloves. No. 122,568; Aug. 27; v. 253; p. 949.
Herman Kornahrens, Inc., New York, N. Y. Mops, brooms, brushes, and feather dusters. No. 120,743; Mar. 5; v. 248; p. 230.
Herman Kornahrens, Inc., New York, N. Y. Cordage and twine. No. 120,866; Mar. 12; v. 248; p. 496.
Hewitt & Runnels, Bay City, Mich. Liquid polish for stoves. No. 122,478; Aug. 20; v. 253; p. 743.
Hewitt-White Co., Paterson, N. J. Shoe and corset laces, braids. No. 123,716; Dec. 3; v. 257; p. 188.
Hewlett, Frank J., Salt Lake City, Utah. Non-alcoholic carbonated beverages to be sold as soft drinks. No. 120,260; Jan. 29; v. 246; p. 1199.
Hewlett-Wilson Beverage Co., Salt Lake City, Utah. Non-intoxicating, non-alcoholic fruit beverage sold as a soft drink. No. 122,642; Sept. 3; v. 254; p. 221.
Heylmann, Charles J., Chicago, Ill. Game-boards. No. 123,039; Oct. 8; v. 255; p. 362.
Hiatt & Wood, New York, N. Y. Trousers-stretchers. No. 121,446; Apr. 30; v. 249; p. 1219.
Hickory Overall Company, Hickory, N. C. Overalls. No. 123,997; Dec. 31; v. 257; p. 1076.
Hickson, Richard J., New York, N. Y. Outer garments for ladies and misses. No. 123,237; Oct. 22; v. 255; p. 824.
Hide Leather & Belting Co., Indianapolis, Ind. Leather clutch-facings, leather and rubber belts and belting. No. 123,238; Oct. 22; v. 255; p. 824.
Higginbotham, Bailey, Logan Co., Dallas, Tex. Cotton piece goods. No. 123,239; Oct. 22; v. 255; p. 824.
Hilgers, Marguerite, Binghamton, N. Y. Depilatory powder. No. 123,351; Oct. 29; v. 255; p. 1050.
Hill-Independent Mfg. Co., Philadelphia, Pa. Hand-stamps. No. 120,102; Jan. 8; v. 246; p. 564.
Hill-Independent Mfg. Co., Philadelphia, Pa. Hand-stamps. Nos. 120,576–7; Feb. 19; v. 247; p. 742.
Hill, Lois M., Harmony, Minn. Chicken-cholera compound. No. 123,941; Dec. 24; v. 257; p. 813.
Hillsdon, Watts Ltd., Mascot, near Sydney, New South Wales, Australia. Seeds, plants, bulbs, flowers, and trees. No. 123,240; Oct. 22; v. 255; p. 824.
Hind & Harrison Plush Co., The, New York and Clark Mills, N. Y. Imitation fur. Nos. 120,493–4; Feb. 12; v. 247; p. 475.
Hinds, Aurelius S., Portland, Me. Face and talcum powder. No. 122,320; July 23; v. 252; p. 957.
Hirasawa, Shigetaro, Tokyo, Japan. Salts of ichthyolic acid, potassium chlorate, iodin, &c. No. 122,878; Sept. 24; v. 254; p. 862.
Hirschman, Henry, Memphis, Tenn. Liniment for relief of certain named ailments. No. 120,103; Jan. 8; v. 246; p. 564.
Hirth-Krause Company, Rockford, Mich. Leather. No. 121,619; May 14; v. 250; p. 510.
Hitt, Thomas G., Seattle, Wash. Perfumes. No. 122,143; July 2; v. 252; p. 241.
Hobbie Bros. Company, Inc., Roanoke, Va. Pianos and player-pianos. No. 122,321; July 23; v. 252; p. 957.
Hobbs, Rufus H., Newburgh, N. Y. Candy, bonbons, chocolates and ice-cream. No. 120,673; Feb. 26; v. 247; p. 961.
Hobson, Elmer S., New York, N. Y. Automobile lubricating oils and greases. No. 122,214; July 9; v. 252; p. 500.
Hodgkins, G. W., Washington, D. C. Laundry bluing. No. 123,718; Dec. 3; v. 257; p. 188.
Hodson, Frank S., Philadelphia. Metallic zinc alloy. No. 121,299; Apr. 23; v. 249; p. 981.
Hoencke, Gustav C., Houston, Tex. Fluid eye-tonic. No. 122,379; July 30; v. 252; p. 1139.
Hoffay Talking Machine Company, Inc., New York, N. Y. Phonographs and their parts. No. 121,778; May 28; v. 250; p. 994.
Hogue, Edward E., Los Angeles, Cal. Hosiery. No. 122,587; Aug. 27; v. 253; p. 949.
Holden, Hiram, Manchester, N. H. Border-strip for use in boots and shoes. No. 120,196; Jan. 15; v. 246; p. 820.
Holden-Leonard Co., New York, N. Y. Fabric woven of woolen and worsted yarns and silk. No. 121,777; May 28; v. 250; p. 994.
Holden-Leonard Co., New York, N. Y. Fabric woven of worsted and woolen yarns and silk. No. 122,084; June 25; v. 251; p. 836.
Holland-India Oil Company, The, New York, N. Y. Oil for effecting the cure of rheumatism. No. 121,063; Apr. 2; v. 249; p. 232.
Holland-O'Neal Milling Company, Springfield, Mo. Wheat-flour. No. 123,598; Nov. 19; v. 256; p. 641.
Holland Pure Food Company, Detroit, Mich. Oleomargarin. No. 123,998; Dec. 31; v. 257; p. 1076.
Holland Shoe Co., Holland, Mich. Leather boots, shoes, and boot and shoe soles. No. 122,023; June 18; v. 251; p. 671.
Hollander, Joseph M., Braddock, Pa. Liniment used externally for the treatment of gout, neuralgia, colds, &c. No. 120,261; Jan. 29; v. 246; p. 1200.

Alphabetical list of registrants of trade-marks—Continued.

Hollander, Joseph M., Rankin, Pa. Laxative. No. 121,064; Apr. 2; v. 249; p. 232.
Holley Company, The, Rochester, N. Y. Food product intended as a substitute for eggs. No. 122,146; July 2; v. 252; p. 241.
Holley Milling Company, The, Laramie, Wyo., and Ogden, Utah. Wheat-flour. Nos. 122,795–6; Sept. 17; v. 254; p. 652.
Holley Milling Company, The, Laramie, Wyo., and Ogden, Utah. Wheat-flour. No. 123,352; Oct. 29; v. 255; p. 1050.
Holliday Chemical Company, The, Pittsburgh, Pa. Composition for treatment of wounds, cuts. No. 123,040; Oct. 8; v. 255; p. 362.
Hollister Drug Company Incorporated, Madison, Wis. Herb laxative. No. 120,104; Jan. 8; v. 246; p. 564.
Holmes Company, Chicago, Ill. Plain and engraved stationery. No. 122,479; Aug. 20; v. 253; p. 743.
Holsam Company, Inc., New York, N. Y. Lubricating-oils. No. 122,797; Sept. 17; v. 254; p. 652.
Holsam Company, Inc., New York, N. Y. Leather. No. 123,241; Oct. 22; v. 255; p. 824.
Holstein-Friesian World, Inc., Syracuse, N. Y. Monthly magazine. No. 121,621; May 14; v. 250; p. 510.
Holt Manufacturing Company, The, Stockton, Cal. Traction-engines, combined harvesters, plowing and harrowing outfits. No. 120,744; Mar. 5; v. 248; p. 230.
Holton, Charles J., Detroit, Mich. Cigars, cheroots, and little cigars. No. 121,779; May 28; v. 250; p. 994.
Holzderber, Charles P., New York, N. Y. Brewed fermented beverage without alcohol made from hops, barley, and malt. No. 122,215; July 9; v. 252; p. 500.
Home Brewing Co., The, Bridgeport, Conn. Non-intoxicating cereal maltless beverages. No. 121,896; June 11; v. 251; p. 458.
Hood River Canning Company, Hood River, Oreg. Canned strawberries. No. 123,999; Dec. 31; v. 257; p. 1076.
Hopkins Chemical Co., Baltimore, Md. Tooth-paste. No. 123,814; Dec. 10; v. 257; p. 404.
Hopkins & Son, Ferd. T., New York, N. Y. Medicated soap. No. 123,127; Oct. 15; v. 255; p. 606.
Hoppe, Oscar C., Milwaukee, Wis. Liniment for burns, bruises, cuts, &c. No. 122,879; Sept. 24; v. 254; p. 862.
Horner Bros., assignors to Eaton Rapids Woolen Mills, Eaton Rapids, Mich. Yarn, woolen yarn, and yarn for hand-knitting. No. 120,674; Feb. 26; v. 247; p. 961.
Horovitz, Isidore, Savannah, Ga. Medicine for constipation, indigestion, headache, &c. No. 122,880; Sept. 24; v. 254; p. 862.
Hosely, Matthias E., La Crosse, Wis. Depilatories. No. 123,907; Dec. 17; v. 257; p. 643.
Hosler, Alfred A., Marion, Ohio. Liquid compound for prevention and removal of scales from boilers. No. 122,704; Sept. 10; v. 254; p. 446.
Hotaling-Warner Co., The, Syracuse, N. Y. Certain named foods. No. 120,745; Mar. 5; v. 248; p. 230.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Printed books, periodicals, and circulars. No. 120,746; Mar. 5; v. 248; p. 230.
Houle & Sons, Amédée, Springfield, Mass. Washing and cleansing fluid. No. 120,700; Mar. 5; v. 248; p. 229.
Houston Ice & Brewing Association, Houston, Tex. Non-alcoholic cereal beverage sold as a soft drink. No. 120,747; Mar. 5; v. 248; p. 230.
Houston, Stanwood & Gamble Company, The, Cincinnati, Ohio, and Covington, Ky. Steam-engines, governors, and lathes. No. 120,391; Feb. 5; v. 247; p. 239.
Hovey, Burton M., New York, N. Y. Certain named oiled textiles. No. 122,480; Aug. 20; v. 253; p. 743.
Howard Bros. Chemical Co., Buffalo, N. Y. Toilet cream. No. 123,599; Nov. 19; v. 256; p. 641.
Howard & Casey Co., Mount Vernon and Marion, Ill. Cream of tartar, bluing, ammonia, Epsom salts, &c. No. 120,262; Jan. 29; v. 246; p. 1200.
Howard & Casey Co., Mount Vernon and Marion, Ill. Certain named foods. No. 120,580; Feb. 19; v. 247; p. 742.
Howard & Company, Jeffersonville, Ind. Preparation for cleaning certain named materials and a metal-polish. No. 123,719; Dec. 3; v. 257; p. 188.
Howard, Robert F., Los Angeles, Cal. Canned smoked sardines and mackerel. No. 123,353; Oct. 29; v. 255; p. 1050.
Howe, Chloe B., Topeka, Kans. Confiners, camisoles, corsets, corset-covers, and chemise. No. 121,445; Apr. 30; v. 249; p. 1219.
Howlett & Hockmeyer Co., New York, N. Y. Pile fabrics and corduroys treated so as to be waterproof. No. 122,481; Aug. 20; v. 253; p. 743.
Hoyt Metal Company, St. Louis, Mo. Babbitt metal. No. 122,798; Sept. 17; v. 254; p. 652.
Hudson Belting Company, Worcester, Mass. Flat, twisted, and round leather belting. Nos. 123,242–4; Oct. 22; v. 255; pp. 824–5.
Huenefeld Company, The, Cincinnati, Ohio. Burners and wicks for stoves, furnaces, and ranges. No. 120,105; Jan. 8; v. 246; p. 564.
Huffman, Charles C., Chicago, Ill. Dyes, and particularly a combined soap or cleaner and dye. No. 121,182; Apr. 16; v. 249; p. 736.
Hughes, Albert F., Cleveland, Ohio. Varnishes. No. 123,128; Oct. 15; v. 255; p. 606.
Hughes, Dr. William L., Minor, Ky. Certain named chemicals, medicines, and pharmaceutical preparations. No. 122,482; Aug. 20; v. 253; p. 743.
Hunt, Hatch & Company, Oakland, Cal. Oranges, lemons, cantaloups, and grape-fruit. Nos. 120,868–9; Mar. 12; v. 248; 496.
Hupp Motor Car Corporation, Richmond, Va., and Detroit, Mich. Automobiles. No. 120,028; Jan. 1; v. 246; p. 297.
Hurley Machine Company, Chicago, Ill. Friction-coupling for general use in machinery. No. 123,129; Oct. 15; v. 255; p. 606.
Huron Furnace Company, The, Huron, S. D. Furnaces. No. 121,780; May 28; v. 250; p. 994.
Hurst & Company, John E., Baltimore, Md. Work-shirts, overalls, textile jackets and jumpers. No. 122,025; June 18; v. 251; p. 671.
Hurst, Percy E., South Croydon, England. Certain named farinaceous foods. No. 123,130; Oct. 15; v. 255; p. 606.
Hurwitch Brothers, Boston, Mass. Knickers. No. 122,588; Aug. 27; v. 253; p. 949.
Hutton, John T. D., Liverpool, England. Tool-holders and parts thereof, all being parts of machinery. No. 121,622; May 14; v. 250; p. 510.
Hydraulic-Press Brick Company, St. Louis, Mo. Brick. No. 120,870; Mar. 12; v. 248; p. 496.
Hydraulic Pressed Steel Company, The, Cleveland, Ohio. Concrete-forms and parts thereof. No. 121,898; June 11; v. 251; p. 458.
Hydro Pure Company, Dallas, Tex. Certain named non-alcoholic non-intoxicating carbonated beverages. No. 120,581; Feb. 19; v. 247; p. 742.
Hygeia Brewing Company, Passaic, N. J. Non-alcoholic beverage of cereal extracts and hops. No. 123,600; Nov. 19; v. 256; p. 641.
Hygrade Shoe Works, New York, N. Y. Children's shoes. No. 123,816; Dec. 10; v. 257; p. 404.
Hyman & Oppenheim, New York, N. Y. Hair-coloring. No. 123,942; Dec. 24; v. 257; p. 813.
I. B. Kleinert Rubber Company, New York, N. Y. Bathing-caps. No. 120,591; Feb. 19; v. 247; p. 742.
I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 121,788; May 28; v. 250; p. 994.
Idaho Medicine Co., Rexburg, Idaho. Remedy for enlarged glands. No. 122,881; Sept. 24; v. 254; p. 862.
Ide and Company, Geo. P., Troy, N. Y. Men's collars. No. 122,027; June 18; v. 251; p. 671.
Ideal Grain Weigher Company, Peoria, Ill. Grain-weighers. No. 120,748; Mar. 5; v. 248; p. 230.
Ideal Lamp Manufacturing Company, The, Faribault, Minn. Toy vehicle. No. 122,706; Sept. 10; v. 254; p. 446.
Ideal Manufacturing Company, Milford, Mass. Washing compound. No. 122,882; Sept. 24; v. 254; p. 862.
Ideal Novelty and Toy Co., Brooklyn, N. Y. Dolls. No. 121,448; Apr. 30; v. 249; p. 1219.
Ideal Shirt Co., The, Cleveland, Ohio. Dress-shirts. No. 123,245; Oct. 22; v. 255; p. 825.
Imperial Color Works, Inc., Glens Falls, N. Y. Paint-colors. No. 124,000; Dec. 31; v. 257; p. 1076.
Imperial Dyewood Company, Incorporated, Glens Falls, N. Y. Dyestuffs. No. 122,883; Sept. 24; v. 254; p. 862.
Imperial Sugar Company, Sugar Land, Tex. Sugar. No. 123,601; Nov. 19; v. 256; p. 641.
Improved Liquid Glues Co., Ltd., The, London, England. Liquid glue. No. 122,323; July 23; v. 252; p. 957.
Independent Advertising Publ's., Inc. New York, N. Y. Magazine published monthly. No. 122,484; Aug. 20; v. 253; p. 743.
Independent Drug Company, Chicago, Ill. Certain named toilet preparation. No. 121,300; Apr. 23; v. 249; v. 981.
Independent Filter Press Co., Inc., New York, N. Y. Filter presses, frames, plates, and parts. No. 121,899; June 11; v. 251; p. 458.
Independent Salt Co., New York, N. Y. Salt. No. 122,086; June 25; v. 251; p. 836.
Independent Tractor Company, Minneapolis, Minn. Tractors. No. 123,131; Oct. 15; v. 255; p. 606.
Inderrieden Canning Co., Chicago, Ill. Canned peas and corn. Nos. 122,589–90; Aug. 27; v. 253; p. 949.
Inderrieden Canning Co., Chicago, Ill. Canned corn, beans, and pork and beans. No. 123,132; Oct. 15; v. 255; p. 606.
Inderrieden Canning Co., Chicago, Ill. Certain named canned goods. No. 123,354; Oct. 29; v. 255; p. 1050.
Indiana Rubber & Insulated Wire Co., Jonesboro, Ind. Rubber or rubber and fabric pneumatic vehicle-tires. No. 123,817; Dec. 10; v. 257; p. 404.
Individual Drinking Cup Co., Inc., New York, N. Y. Certain named receptacles. No. 120,264; Jan. 29; v. 246; p. 1200.
Innis, Speiden & Co., Inc., New York, N. Y. Certain named chemicals suitable for tanning, alone or in combination. No. 121,716; May 21; v. 250; p. 763.

Alphabetical list of registrants of trade-marks—Continued.

Innis, Speiden & Co. Inc., New York, N. Y. Leather dressings, seasonings, fillers, and varnish. No. 121,900; June 11; v. 251; p. 458.
Insular Packing Co., New York, N. Y. Canned sardines. Nos. 122,799–800; Sept. 17; v. 254; p. 652.
Interlocking Rim and Wheel Company, San Francisco, Cal. Vehicle-wheels, rims, rim-clamps. No. 123,818; Dec. 10; v. 257; p. 404.
International Alcohol Corporation, Wilmington, Del., and New York, N. Y. Ethyl alcohol. No. 124,001; Dec. 31; v. 257; p. 1076.
International Alliance of Theatrical Stage Employes & Moving Picture Machine Operators of the United States and Canada, New York, N. Y. Printed books, pamphlets, periodicals, and circulars. No. 120,675; Feb. 26; v. 247; p. 961.
International Association of Heat and Frost Insulators and Asbestos Workers. Certain named prints and publications. No. 121,183; Apr. 16; v. 249; p. 736.
International Brotherhood of Steam Shovel and Dredge Men, Chicago, Ill. Printed books, periodicals, pamphlets, and circulars. No. 122,087; June 25; v. 251; p. 836.
International Drug Company, Wilmington, Del. Toilet soap. No. 122,274; July 16; v. 252; p. 741.
International Drug Company, Wilmington, Del. Toilet soaps. No. 122,485; Aug. 20; v. 253; p. 743.
International Druggists' & Chemists' Laboratories, Inc., New York, N. Y. Preparation for the treatment of dyspepsia, indigestion, and other stomach disorders caused by hydracidity. No. 120,749; Mar. 5; v. 248; p. 230.
International Insulation Company, International Falls, Minn. Certain named construction materials. No. 123,355; Oct. 29; v. 255; p. 1050.
International Lens Company, Seattle, Wash. Headlight-lenses. No. 122,486; Aug. 20; v. 253; p. 743.
International Longshoremans Association, Buffalo, N. Y. Printed books, pamphlets, periodicals, circulars. No. 122,970; Oct. 1; v. 255; p. 157.
International Mailing Tube and Wrapper Co., Brooklyn, N. Y. Mailing tubes, bags, boxes, holders, and wrappers. No. 121,717; May 21; v. 250; p. 763.
International Money Machine Co., Reading, Pa. Pay-roll-scheduling, money paying, registering, adding, and listing machines. No. 122,487; Aug. 20; v. 253; p. 743.
International News Service, New York, N. Y. Newspaper-section. No. 123,819; Dec. 10; v. 257; p. 404.
International Pyrotan Comp., Ltd., London, England. Leather produced by a mineral tanning agent. No. 123,820; Dec. 10; v. 257; p. 404.
International Shoe Co., St. Louis, Mo. Boots and shoes made of leather and textiles. No. 120,497; Feb. 12; v. 247; p. 476.
International Silver Company, Meriden and Bridgeport, Conn. Silver-plated knives, forks, spoons, and ladles. Nos. 123,042–3; Oct. 8; v. 255; p. 362.
International Stock Food Co., Minneapolis, Minn. Stock-food tonic. No. 123,356; Oct. 29; v. 255; p. 1050.
International Sugar Feed Co., Minneapolis, Minn. Dairy feed. No. 124,002; Dec. 31; v. 257; p. 1076.
International Sugar Feed Co., Minneapolis, Minn. Poultry feed, chick and scratch sizes, and hog feed. No. 124,003; Dec. 31; v. 257; p. 1076.
International Textbook Company, Scranton, Pa. Monthly periodical. No. 122,488; Aug. 20; v. 253; p. 743.
International Trade Developer, Chicago, Ill. Bimonthly and annual publication. No. 120,498; Feb. 12; v. 247; p. 476.
International Union of Journeymen Horseshoers of the United States and Canada, Cincinnati, Ohio. Printed books, periodicals, pamphlets and circulars. Nos. 120,676–7; Feb. 26; v. 247; p. 961.
International Union of Mine, Mill, and Smelter Workers, Denver, Colo. Certain named prints and publications. No. 122,489; Aug. 20; v. 253; p. 743.
Interstate Chemical Co., Jersey City, N. J. Insecticides and fungicides. No. 121,901; June 11; v. 251; p. 458.
Interstate Cotton Oil Refining Co., Sherman, Tex. Cotton-seed-oil shortening. No. 121,449; Apr. 30; v. 249; p. 1219.
Interstate Iron & Steel Co., Chicago, Ill. Shoe-nails. No. 122,884; Sept. 24; v. 254; p. 862.
Interstate Products Company, Vancouver, Wash. Cider. No. 121,902; June 11; v. 251; p. 458.
Interstate Products Company, Vancouver, Wash. Non-intoxicating malt beverage known as near beer. No. 123,602; Nov. 19; v. 256; p. 641.
Interstate Shade Cloth Co., Hoboken, N. J. Shade-cloths of sized and oil-painted fabrics. No. 122,085; June 25; v. 251; p. 836.
Interstate Shade Cloth Co., Hoboken, N. J. Shade-cloths, hollands, prepared muslins, cotton piece goods. No. 122,707; Sept. 10; v. 254; p. 446.
Intravenous Products Company, The, Denver, Colo. Preparation for the treatment of tuberculosis. No. 122,708; Sept. 10; v. 254; p. 446.
Iodinized Products Company, Chicago, Ill. Medicinal preparation for the treatment of certain named diseases. No. 123,720; Dec. 3; v. 257; p. 188.
Iowa Gate Co., Cedar Falls, Iowa. Certain named hardware and plumbing and steam-fitting supplies. No. 123,603; Nov. 19; v. 256; p. 641.
Iowa Oil Co., Dubuque, Iowa. Axle-grease, hard oils or cup-grease, lubricating-oils. No. 120,750; Mar. 5; v. 248; p. 230.
Ireland, Curtis, St. Louis, Mo. Cream-chocolate bars. No. 122,147; July 2; v. 252; p. 241.
Irogen Chemical Co. Inc., New York, N. Y. Tonic medicine for certain named diseases. No. 123,357; Oct. 29; v. 255; p. 1050.
Iron Cat Co., Sioux City, Iowa. Mouse and rat traps. No. 121,624; May 14; v. 250; p. 510.
Iron City Products Company, Pittsburgh, Pa. Piston-rings. No. 123,246; Oct. 22; v. 255; p. 825.
Irvington Varnish & Insulator Co., Irvington, N. J. Electrical insulation made up in the form of sheets, blocks, rods, tubes, and cylinders. No. 122,801; Sept. 17; v. 254; p. 652.
Isidore Horovitz, Savannah, Ga. Tonic in tablet form. No. 120,867; Mar. 12; v. 248; p. 496.
Ivah, May K., Baltimore, Md. Certain named toilet preparations. No. 120,197; Jan. 15; v. 246; p. 820.
J. Bacon & Sons, Louisville, Ky. Certain named clothing for men, women, and children. No. 120,934; Mar. 19; v. 248; p. 763.
J. Chas. Teepe, Inc., New York and Long Island City, N. Y. Certain named house-furnishing woodenware and cabinet-work. No. 122,244; July 9; v. 252; p. 501.
J. Geo. Leyner Engineering Works Company, The, Littleton, Colo. Mining machinery, rock and hammer drills, and drill-sharpeners. No. 121,634; May 14; v. 250; p. 511.
J. Hungerford Smith Co., Rochester, N. Y. Flavoring-syrup for non-alcoholic beverages. No. 120,442; Feb. 5; v. 247; p. 241.
J. Hungerford Smith Co., Rochester, N. Y. Maltless syrup for use in making beverages sold as soft drinks. No. 123,815; Dec. 10; v. 257; p. 404.
J. Lichtman & Son, Newark, N. J. That portion of a tanned horse-hide known as Cordovan shells. No. 123,254; Oct. 22; v. 255; p. 825.
J. Lyons & Co. Limited, Kensington, London, England. Food beverage prepared from cocoa-bean shells. No. 123,050; Oct. 8; v. 255; p. 362.
J. Miller Co., The, Racine, Wis. Leather shoes. No. 121,077; Apr. 2; v. 249; p. 232.
J. A. C. Brush Co., The, Cleveland, Ohio. Sweeping-brushes made of ratan and bamboo fiber. No. 120,714; Mar. 5; v. 248; p. 229.
J. B. Williams Co., The, Glastonbury, Conn. Preparations for cleaning the teeth. No. 120,463; Feb. 5; v. 247; p. 241.
J. B. Williams Company, Glastonbury, Conn. Face-lotions and after-shaving preparations. No. 121,027; Mar. 19; v. 248; p. 766.
J. B. Williams Company, The, Glastonbury, Conn. Shaving stick, powder, cream, and liquid, shaving-cake and toilet soaps. No. 121,529; Apr. 30; v. 249; p. 1221.
J. B. Williams Company, The, Glastonbury, Conn. Toilet waters and talcum powder. No. 123,407; Oct. 29; v. 255; p. 1052.
J. C. Ainsley Packing Co., Campbell, Cal. Canned apricots, pears, and peaches. Nos. 122,631–2; Sept. 3; v. 254; p. 221.
J. C. Blair Company, Huntingdon, Pa. Certain named paper and stationery. Nos. 121,242–7; Apr. 23; v. 249; p. 979.
J. C. Blair Company, Huntingdon, Pa. Certain named paper and stationery. No. 121,581; May 14; v. 250; p. 509.
J. C. Blair Company, Huntingdon, Pa. Certain named paper and stationery. No. 122,425; Aug. 20; v. 253; p. 741.
J. C. Blair Company, Huntingdon, Pa. Certain named paper and stationery. No. 122,841; Sept. 24; v. 254; p. 860.
J. C. Blair Company, Huntingdon, Pa. Certain named paper and stationery. Nos. 123,014–15; Oct. 8; v. 255; p. 361.
J. C. Deagan Musical Bells, Chicago, Ill. Certain named musical instruments and supplies. No. 120,562; Feb. 19; v. 247; p. 741.
J. C. Deagan Musical Bells, Chicago, Ill. Xylophones. No. 121,171; Apr. 16; v. 249; p. 735.
J. C. Penney Company, Inc., New York, N. Y. Monthly publication. No. 120,518; Feb. 12; v. 247; p. 476.
J. E. Peckham Co. Inc., Boston, Mass. Boot and shoe shanks. No. 123,637; Nov. 19; v. 256; p. 642.
J. E. Peckham Co. Inc., Boston, Mass. Boot and shoe shanks. No. 124,065; Dec. 31; v. 257; p. 1078.
J. H. Burton & Co. Inc., New York, N. Y. Portable buildings. No. 120,663; Feb. 26; v. 247; p. 961.
J. H. Parker & Son, Inc., Parkersburg, W. Va. Electric sockets. No. 123,636; Nov. 19; v. 256; p. 642.
J. H. White Manufacturing Company, Brooklyn, N. Y. Certain named sheet, rod, and cast brass goods. No. 121,114; Apr. 2; v. 249; p. 233.
J. H. and G. L. Atwood, Inc., Boston, Mass. Tire patches and reliners. No. 123,186; Oct. 22; v. 255; p. 823.
J. and J. Baldwin and Partners, Limited, Halifax, England. Wire brushes for raising a soft warmth-retaining surface on knitted woolen fabrics. No. 122,366; July 30; v. 252; p. 1139.
J. L. Prescott Company, New York, N. Y. Shoe and leather polish. No. 120,216; Jan. 15; v. 246; p. 821.

Alphabetical list of registrants of trade-marks—Continued.

J. M. Ney Company, The, Hartford, Conn. Tooth-filling compound. No. 120,147; Jan. 8; v. 246; p. 566.
J. P. Gordon Company, The, Columbus, Ohio. Radiator and engine covers. No. 120,491; Feb. 12; v. 247; p. 475.
J. R. Clark Company, Minneapolis, Minn. Cedar chests. No. 120,845; Mar. 12; v. 248; p. 496.
J. R. Watkins Medical Co., The, Winona, Minn. Perfumes, toilet water, and face-powders. No. 121,984; June 11; v. 251; p. 461.
J. S. Hoffman Company, Chicago, Ill. Cheese. No. 121,555; May 7; v. 250; p. 251.
J. S. Hoffman Company, Chicago, Ill. Cheese. No. 121,620; May 14; v. 250; p. 510.
J. S. Young Company, The, Baltimore, Md. Logwood crystals for dyeing purposes. No. 121,382; Apr. 23; v. 249; p. 983.
J. S. Young & Company, Hanover, Pa. Dyestuffs extracted from vegetable sources. No. 124,064; Dec. 31; v. 257; p. 1078.
J. T. Fargason Company, Memphis, Tenn. Mustard, spices, flavoring extracts. No. 121,549; May 7; v. 250; p. 251.
J. W. Butler Paper Co., Chicago, Ill. Paper bags. Nos. 122,572–4; Aug. 27; v. 253; p. 949.
J. W. Butler Paper Co., Chicago, Ill. Paper bags. Nos. 122,676–8; Sept. 10; v. 254; p. 445.
J. W. Goddard & Sons, Incorporated, New York, N. Y. Cotton piece goods. No. 122,316; July 23; v. 252; p. 957.
Jackson, Eugene, Thonotosassa, Fla. Certain named antiseptics. No. 123,448; Nov. 12; v. 256; p. 448.
Jackson's Mushroom Company, Chicago, Ill. Fresh mushrooms. No. 122,971; Oct. 1; v. 255; p. 157.
Jacob Doll & Sons, New York, N. Y. Pianos and player-pianos. No. 122,885; Sept. 24; v. 254; p. 862.
Jacob Doll & Sons, New York, N. Y. Pianofortes, grand and upright pianos, player-pianos, and electrically-operated pianos. No. 123,027; Oct. 8; v. 255; p. 361.
Jacob House & Sons, Inc., Buffalo, N. Y. Food preparation of certain named ingredients. No. 121,715; May 21; v. 250; p. 763.
Jacobs Candy Company Limited, New Orleans, La. Candy. Nos. 122,972–5; Oct. 1; v. 255; p. 158.
Jacobs Candy Company, Ltd., New Orleans, La. Package candies. No. 123,247; Oct. 22; v. 255; p. 825.
Jacobs, Louis, Chicago, Ill. Mattresses. No. 123,133; Oct. 15; v. 255; p. 606.
Jacobs, Samuel M. J., New York, N. Y. Prepared fuel. No. 120,871; Mar. 12; v. 248; p. 496.
Jacobs, Wilbert B., Emlenton, Pa. Radiator-cooling compound. No. 122,709; Sept. 10; v. 254; p. 446.
Jakovich, Kuzma D., Galveston, Tex. Wash-bluing. No. 123,044; Oct. 8; v. 255; p. 362.
James A. McAteer & Sons, Inc., Pittsburgh, Pa. Compound used in the preparation of jellies and desserts. No. 122,029; June 18; v. 251; p. 672.
James A. McAteer & Sons, Inc., Pittsburgh, Pa. Rolled oats and corn flakes. No. 123,051; Oct. 8; v. 255; p. 362.
James Buchanan & Co. Ltd., London, England, and Glasgow and Mulben, Speyside, Scotland. Whisky. No. 120,069; Jan. 8; v. 246; p. 563.
James Buchanan & Co., Limited, London, England, and Glasgow and Mulben, Scotland. Whisky. No. 120,826; Mar. 12; v. 248; p. 495.
James E. Blake Co., The, Attleboro, Mass. Certain named articles made of precious or plated metal. No. 122,842; Sept. 24; v. 254; p. 861.
James H. Cumming, Incorporated, Chicago, Ill. Talking-machines. No. 122,855; Sept. 24; v. 254; p. 861.
James H. Rhodes & Company, Chicago, Ill. Chamois-skins and sponges. No. 122,911; Sept. 24; v. 254; p. 863.
James Hanley Brewing Company, Providence, R. I. Ale. No. 121,128; Apr. 9; v. 249; p. 503.
James Heddon's Sons, Dowagiac, Mich. Artificial bait. No. 120,195; Jan. 15; v. 246; p. 820.
James McClatchy Co., Sacramento, Cal. Newspaper-section issued weekly. No. 123,257; Oct. 22; v. 255; p. 825.
James S. Kirk & Company, Chicago, Ill. Laundry, bath, and toilet soap. No. 121,454; Apr. 30; v. 249; p. 1219.
James S. Kirk & Company, Chicago, Ill. Toilet soap. Nos. 123,723–4; Dec. 3; v. 257; p. 188.
Jameson, Hevener Co., St. Paul, Minn. Wheat-flour. No. 121,718; May 21; v. 250; p. 764.
Jarrett & Co., H. H., New York, N. Y. Heat-resisting compound for coating crucibles, fire-brick, ladles, and saggars. No. 121,556; May 7; v. 250; p. 251.
Jedell, Helen, Newark, N. J. Automobile-radiator-cap heat or temperature indicating devices. No. 122,275; July 16; v. 252; p. 741.
Jefferson Electric Mfg. Co., Chicago, Ill. Ignition-coils, electric switches, and transformers. No. 120,392; Feb. 5; v. 247; p. 239.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Electric controllers. No. 120,393; Feb. 5; v. 247; p. 239.
Jenkins Rubber Co., Elizabeth, N. J. Rubber packing. No. 123,821; Dec. 10; v. 257; p. 404.
Jennings, Mrs. Edwin J., Pine Lodge Farm, Oakland county, Mich. Cough-syrup. No. 123,358; Oct. 29; v. 255; p. 1050.
Jennings & Griffin Manufacturing Co., The, Tracy, Conn. Certain named tools and parts thereof. No. 120,499; Feb. 12; v. 247; p. 476.
Jennings Lace Works Corporation. (See Chace, William W., assignor.)
Jensen Creamery Machinery Company, Long Island City, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 121,301; Apr. 23; v. 249; p. 981.
Jéquier & Cie., Théodore, Fleurier, Switzerland. Watch-glasses. No. 120,678; Feb. 26; v. 247; p. 961.
Jerome, Charles J., Chicago, Ill. Preparation for alleviation of affections of the throat and bronchial tubes. No. 121,625; May 14; v. 250; p. 510.
Jewel Productions, Inc., New York, N. Y. Series of different motion-picture photoplays. No. 120,394; Feb. 5; v. 247; p. 239.
Jewelers Auto Emblem Manufacturing Co., Providence, R. I. Automobile-emblems made of or plated with precious-metal ware. No. 121,184; Apr. 16; v. 249; p. 736.
Jiffy-All Corporation, New York, N. Y. Overalls, aprons, and outer garments for protection of inner garments. No. 122,710; Sept. 10; v. 254; p. 446.
Joel T. Painter Company, McKeesport, Pa. Certain named paints and painters' materials. No. 121,940; June 11; v. 251; p. 460.
Johansen Brothers Shoe Company, St. Louis, Mo. Magazine published monthly. No. 123,822; Dec. 10; v. 257; p. 404.
John A. Salzer Seed Co., La Crosse, Wis. Garden, field, and flower seeds. Nos. 123,280–1; Oct. 22; v. 255; p. 826.
John B. Adt Company, The. (See Adt, John B., assignor.)
John Campbell & Co., New York, N. Y. Coal-tar products. Nos. 122,369–70; July 30; v. 252; p. 1139.
John Campbell & Co., New York, N. Y. Dyestuffs, anilin dyes, and colors. No. 123,018; Oct. 8; v. 255; p. 361.
John F. Campbell Co., Chicago, Ill. Certain named foods. No. 121,701; May 21; v. 250; p. 763.
John G. Neumeister Co., Chicago, Ill. Blended olive and peanut oil. No. 124,029; Dec. 31; v. 257; p. 1077.
John Graf Company, Milwaukee, Wis. Spring-water. No. 121,614; May 14; v. 250; p. 510.
John H. Cross, Inc., Haverhill, Mass. Boots and shoes made wholly or in part of leather. No. 123,573; Nov. 19; v. 256; p. 640.
John Hoberg Co., The, Green Bay, Wis. Toilet-paper. No. 121,298; Apr. 23; v. 249; p. 981.
John Hoberg Co., The, Green Bay, Wis. Toilet-paper. Nos. 122,144–5; July 2; v. 252; p. 241.
John Hoberg Co., The, Green Bay, Wis. Toilet-paper. No. 122,322; July 23; v. 252; p. 957.
John M. Given, Inc., Pittsburgh, Pa.; New York, N. Y., and Chicago, Ill. Hosiery. No. 120,187; Jan. 15; v. 246; p. 820.
John M. Given, Inc., New York, N. Y.; Chicago, Ill., and Pittsburgh, Pa. Children's hosiery. No. 123,993; Dec. 31; v. 257; p. 1076.
John McIntosh Company, Chicago, Ill. Mountings for photographic X-ray films in the nature of an index-card. No. 120,982; Mar. 19; v. 248; p. 764.
John Morrell & Co., Ottumwa, Iowa. Breakfast-bacon. No. 120,413; Feb. 5; v. 247; p. 240.
John Morrell & Co., Ottumwa, Iowa. Breakfast-bacon. No. 120,891; Mar. 12; v. 248; p. 497.
John Morrell & Co., Ottumwa, Iowa. Oleomargarin. Nos. 120,893–5; Mar. 12; v. 248; p. 497.
John Morrell & Co., Ottumwa, Iowa. Mince-meat, orange marmalade, plum-pudding, and sausage. No. 121,134; Apr. 9; v. 249; p. 503.
John Morrell & Co., Ottumwa, Iowa. Canned dried beef and luncheon-meat, cooked hams. No. 124,027; Dec. 31; v. 257; p. 1077.
John P. Dousman Milling Co., Depere, Wis. Winter-wheat flour. No. 120,724; Mar. 5; v. 248; p. 229.
John S. Talmage Co. Ltd., New Orleans, La. Rice. No. 120,916; Mar. 12; v. 248; p. 498.
John T. Stanley Co., Inc., New York, N. Y. Talcum powder, perfumery, and cold-cream. No. 121,102; Apr. 2; v. 249; p. 233.
John W. Masury & Son, Brooklyn, N. Y. Varnish. No. 121,918; June 11; v. 251; p. 459.
John W. Masury & Son, Brooklyn, N. Y. Varnish. No. 123,622; Nov. 19; v. 256; p. 642.
John Wanamaker, New York, New York, N. Y. Trunks. No. 120,535; Feb. 12; v. 247; p. 477.
John Wanamaker, New York, New York, N. Y. Sewing kit. No. 121,838; May 28; v. 250; p. 996.
John Wanamaker, New York, New York, N. Y. Certain named clothing. No. 123,297; Oct. 22; v. 255; p. 826.
Johns, R. I., Long Island City, N. Y. Portable houses. No. 122,976; Oct. 1; v. 255; p. 158.
Johns, Robert I., Long Island City, N. Y. Portable houses. No. 123,823; Dec. 10; v. 257; p. 404.
Johnsen & Kildal, Inc., New York, N. Y. Sauces. No. 122,028; June 18; v. 251; p. 672.
Johnson Biscuit Company, Sioux City, Iowa. Candies, crackers, and cookies. No. 121,904; June 11; v. 251; p. 459.
Johnson, Cowdin & Co., New York, N. Y. Satin ribbon. No. 121,781; May 28; v. 250; p. 994.

Alphabetical list of registrants of trade-marks—Continued.

Johnson Educator Food Co., Boston, Mass. Crackers, cakes, biscuits. No. 123,359; Oct. 29; v. 255; p. 1050.
Johnson, Frances, Grand Junction, Colo. Salad. No. 120,029; Jan. 1; v. 246; p. 297.
Johnson, Fred, De Ridder, La. Bread and cake. No. 121,626; May 14; v. 250; p. 510.
Johnson, Helen E., Toledo, Ohio. Coffee. No. 123,604; Nov. 19; v. 256; p. 641.
Johnson, Ida B., Chicago, Ill. Underwaists. No. 121,903; June 11; v. 251; p. 458.
Johnson, W. H., Pine Bluff, Ark. Chemical compound mixed with poultry food as a tonic and to increase egg production. No. 122,148; July 2; v. 252; p. 241.
Johnson, W. H., Pine Bluff, Ark. Vegetable tonic for torpid liver and nerves. No. 122,591; Aug. 27; v. 253; p. 949.
Johnson, William B., Atlanta, Ga. Dry-powder dough-batch ingredient. No. 122,977; Oct. 1; v. 255; p. 158.
Johnson, William H., Chillicothe, Tex. Cooking compound consisting of a mixture of salt, soda, sugar, and flour. No. 120,395; Feb. 5; v. 247; p. 239.
Johnston & Murphy, Newark, N. J. Certain named clothing. No. 124,004; Dec. 31; v. 257; p. 1076.
Jones Brothers Limited, Manchester, England. Cotton piece goods. No. 120,751; Mar. 5; v. 248; p. 230.
Jones, Henderson, Dermott, Ark. Preparation for the treatment of certain named diseases. No. 121,302; Apr. 23; v. 249; p. 981.
Jones, Joseph W., New York, N. Y. Tachometers. No. 123,248; Oct. 22; v. 255; p. 825.
Jones, Julius R., Richmond, Va. Scalp preparation. No. 122,324; July 23; v. 252; p. 957.
Jones, Mundy & Co., San Francisco, Cal. Flax sail-twine. No. 121,450; Apr. 30; v. 249; p. 1219.
Jones Thierbach Co., The, San Francisco, Cal. Bicarbonate soda, cream-tartar and baking-powder. No. 120,582; Feb. 19; v. 247; p. 742.
Jones Thierback Co., The, San Francisco, Cal. Coffee, tea, flavoring extracts for food. No. 121,303; Apr. 23; v. 249; p. 981.
Jordan Marsh Company, Boston, Mass. Dresses. No. 120,138; Jan. 8; v. 246; p. 565.
Jordan Motor Car Company, Cleveland, Ohio. Gas-motor-drawn vehicles—namely, automobiles and motor-trucks. No. 120,583; Feb. 19; v. 247; p. 742.
Jos. A. Morris & Co., New York, N. Y. Ladies' and misses' dresses. No. 121,078; Apr. 2; v. 249; p. 232.
Jos. Schlitz Brewing Co., Milwaukee, Wis. Lager-beer. No. 122,537; Aug. 20; v. 253; p. 744.
Joseph A. Holpuch Company, Chicago, Ill. Refrigerators and refrigeration systems. No. 120,495; Feb. 12; v. 247; p. 475.
Joseph Fallert Brewing Co. Ltd., Brooklyn, N. Y. Malt beverage. No. 121,709; May 21; v. 250; p. 763.
Joseph Greenspon's Sons Iron & Steel Co., St. Louis, Mo. Line casing or piping. No. 123,123; Oct. 15; v. 255; p. 606.
Joseph P. Manning Co., Boston, Mass. Cigars, cigarettes, tobacco. No. 121,312; Apr. 23; v. 249; p. 981.
Joseph P. Manning Co., Boston, Mass. Cigars. No. 121,795; May 28; v. 250; p. 994.
Joseph Parker & Son Company, New Haven, Conn. Blotting-paper. No. 123,449; Nov. 12; v. 256; p. 448.
Joseph Parker & Son Company, New Haven, Conn. Blotting-paper. No. 123,635; Nov. 19; 256; p. 642.
Joseph Parker & Son Company, New Haven, Conn. Blotting-paper. No. 123,921; Dec. 17; v. 257; p. 644.
Joseph Ross & Company, Irvington, N. J. Manicure and toilet tools, hand-forceps, and surgical scissors. No. 122,393; July 30; v. 252; p. 1140.
Joy, Russell T., Brooklyn, N. Y. Medicinal spring-water. No. 121,627; May 14; v. 250; p. 510.
Joyful Manufacturing Company, assignor to The Phoenix Oil Company, Cleveland, Ohio. Soaps and cleansers. No. 121,066; Apr. 2; v. 249; p. 232.
Jubilee Manufacturing Company, Omaha, Nebr. Spark-plugs. No. 120,977; Mar. 19; v. 248; p. 764.
Jug Oil Soap Co., Erie, Pa. Soap. No. 123,721; Dec. 3; v. 257; p. 188.
Julius D. Booth & Son, Inc., New York, N. Y. Dresses. No. 122,009; June 18; v. 251; p. 671.
Julius Kayser & Co., New York, N. Y. Knit underwear and hosiery. No. 120,399; Feb. 5; v. 247; p. 239.
Julius Kayser & Co., New York, N. Y. Ladies' knit underwear. No. 120,501; Feb. 12; v. 247; p. 476.
Julius Kayser & Co., New York, N. Y. Knitted union-suits, vests, chemises, camisoles. No. 121,784; May 28; v. 250; p. 994.
Julius Kayser & Co., New York, N. Y. Fabric gloves and hosiery. No. 124,005; Dec. 31; v. 257; p. 1076.
Julius Schmid, Incorporated, New York, N. Y. Pacifiers. No. 121,661; May 14; v. 250; p. 511.
Julius Schmid, Incorporated, New York, N. Y. Surgeons' rubber gloves. No. 121,662; May 14; v. 250; p. 511.
Julius Schmid, Incorporated, New York, N. Y. Household rubber gloves. No. 121,827; May 28; v. 250; p. 995.
K-K Shoe Company, Corry, Pa. Boots, shoes, and slippers made of leather. No. 121,451; Apr. 30; v. 249; p. 1219.
Kadans, Louis, New York, N. Y. Neufchâtel cheese. No. 122,643; Sept. 3; v. 254; p. 221.
Kahan, Gabriel, Lowell, Mass. Certain named foods. No. 121,782; May 28; v. 250; p. 994.
Kalitzky, Waldemar, Milwaukee, Wis. Soluble washing compound for washing clothes and textile fabrics. No. 121,227; Apr. 16; v. 249; p. 737.
Kalo Shop, The, Chicago, Ill. Certain named articles made wholly or partly of or plated with precious metal. No. 121,185; Apr. 16; v. 249; p. 736.
Kalteyer, Frederick J., Philadelphia, Pa. Razor-sharpening machines. No. 123,134; Oct. 15; v. 255; p. 606.
Kampeska Materials Company, Watertown, S. D. Concrete products—viz., building-blocks, bricks, &c. No. 122,711; Sept. 10; v. 254; p. 446.
Kansas City Fibre Box Co., The, Kansas City, Kans. Fiber or pulp board composition corrugated shipping-boxes. No. 120,500; Feb. 12; v. 247; p. 476.
Kansas City Furnace Company, Kansas City, Mo. Furnaces. No. 123,824; Dec. 10; v. 257; p. 404.
Kansas Flour Mills Company, The, Wichita and Kansas City, Kans. Wheat-flour. No. 122,644; Sept. 3; v. 254; p. 221.
Kant, William H., Brooklyn, N. Y. Preparation for the treatment of urinary troubles. No. 121,186; Apr. 16; v. 249; p. 736.
Kar Engineering Company, Inc., The, New York, N. Y. Magnetic chuck-fixtures. Nos. 120,396–7; Feb. 5; v. 247; p. 239.
Karry-Lode Industrial Truck Co., Inc. Long Island City, N. Y. Industrial motor-trucks. No. 121,905; June 11; v. 251; p. 459.
Kato, Seiju, Yokohama, Japan. Tea. Nos. 121,906–7; June 11; v. 251; p. 459.
Kattell, Stanley M., Binghamton, N. Y. Razors, razor blades and stropping devices. No. 120,398; Feb. 5; v. 247; p. 239.
Katz & Sons, K., Baltimore, Md. Overcoats. No. 121,783; May 28; v. 250; p. 994.
Kaufman, Benjamin H., New York, N. Y. Felt, cloth, straw, and silk hats and caps. No. 123,605; Nov. 19; v. 256; p. 641.
Kaufmann Bros. & Bondy, New York, N. Y. Pipes, cigar and cigarette holders, tobacco-pouches, cigarette-paper, pipe-cases. No. 120,584; Feb. 19; v. 247; p. 742.
Kaufmann Bros. & Bondy, New York, N. Y. Pipes. No. 122,712; Sept. 10; v. 254; p. 446.
Kaut-Reith Shoe Company, The, Carthage, Mo. Boots and shoes of kid, leather, and canvas. No. 120,106; Jan. 8; v. 246; p. 564.
Kaut-Reith Shoe Company, The, Carthage, Mo. Boots and shoes of kid, leather, bearskin, and canvas. Nos. 120,585–8; Feb. 19; v. 247; p. 742.
Keeney, Hugh G., New Orleans, La. Non-saponaceous liquid preparation for removing spots and dirt from textiles. No. 121,452; Apr. 30; v. 249; p. 1219.
Keet & Rountree Dry Goods Company, Springfield, Mo. Certain named clothing. No. 124,006; Dec. 31; v. 257; p. 1076.
Kehlor Flour Mills Co., St. Louis, Mo. Wheat-flour. No. 123,135; Oct. 15; v. 255; p. 606.
Keiner-Williams Stamping Co., New York and Richmond Hill, N. Y. Certain named receptacles. No. 121,187; Apr. 16; v. 249; p. 736.
Kelley & Co., Thomas, Boston, Mass. Cotton, blankets, bedspreads, and sheets. No. 120,030; Jan. 1; v. 246; p. 297.
Kelley, Ralph H., Brooklyn, N. Y. Salve used in the treatment of boils and kindred troubles. No. 122,216; July 9; v. 252; p. 500.
Kellogg, John L., Battle Creek, Mich. Food known as toasted corn flakes. No. 122,149; July 2; v. 252; p. 241.
Kellogg, John L., Battle Creek, Mich. Food known as toasted corn-flakes. No. 122,713; Sept. 10; v. 254; p. 446.
Kellogg Products Inc., Buffalo, N. Y. Nut butter, margarin, cooking-fats, salad-oils. Nos. 121,785–7; May 28; v. 250; p. 994.
Kellogg Switchboard & Supply Co., Chicago, Ill. Magazine printed monthly. No. 122,490; Aug. 20; v. 253; p. 743.
Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone-substation sets. No. 124,007; Dec. 31; v. 257; p. 1076.
Kellough, Elmer R., Cumberland, Md. Chocolate-coated pills for liver disorders. No. 123,450; Nov. 12; v. 256; p. 448.
Kellow & Brown Novelty Company, Los Angeles, Cal. Dolls. No. 122,491; Aug. 20; v. 253; p. 743.
Kenmont Coal Company, The, Zanesville, Ohio. Coal. No. 120,107; Jan. 8; v. 246; p. 564.
Kenmore Wall Board Company, The, Buffalo, N. Y. Wall-board and building-paper. No. 122,217; July 9; v. 252; p. 500.
Keratso, George J., San Francisco, Cal. Syrups made of prunes for beverages. No. 122,492; Aug. 20; v. 253; p. 743.
Kerney Manufacturing Company, Chicago, Ill. Asbestos table-pads. No. 121,188; Apr. 16; v. 249; p. 736.
Kerosene Burning Carburetor Company, Detroit, Mich. Manifolds, mechanical primers, carbureters, and parts thereof. No. 122,325; July 23; v. 252; p. 957.
Kesting, Harry A., Kansas City, Mo. Shelled popcorn. No. 123,360; Oct. 29; v. 255; p. 1050.

Alphabetical list of registrants of trade-marks—Continued.

Keys, James J., New York, N. Y. Arch-supports. No. 122,714; Sept. 10; v. 254; p. 446.
Keyser Chemical Company, Incorporated, Roanoke, Va. Corn and bunion remedy, liver-pills, &c. No. 121,908; June 11; v. 251; p. 459.
Keystone Fruit Products Company, Cincinnati, Ohio. Syrups for soda-fountains. No. 120,589; Feb. 19; v. 247; p. 742.
Keystone Leather Goods Co., New York, N. Y. Certain named leather goods. No. 122,218; July 9; v. 252; p. 500.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants consisting of oils and greases. No. 124,008; Dec. 31; v. 257; p. 1076.
Keystone Novelty Company, Greenville, Pa. Ointments and salves. No. 122,886; Sept. 24; v. 254; p. 862.
Keystone Snap Fastener Corporation, Philadelphia, Pa. Snap-fasteners. No. 120,265; Jan. 29; v. 246; p. 1200.
Keystone Snap Fastener Corporation, Philadelphia, Pa. Snap-fasteners. No. 120,978; Mar. 19; v. 248; p. 764.
Keystone Steel & Wire Company, South Bartonville, Ill. Barbed and fence wires, wire fence. Nos. 122,493–501; Aug. 20; v. 253; p. 743.
Kibbe Bros. Company, Springfield, Mass. Candy. No. 120,979; Mar. 19; v. 248; p. 764.
Kidder, Rowe E., Rosedale, Kans. Wheat-flour. No. 120,679; Feb. 26; v. 247; p. 961.
Kil-Tone Company, The, Vineland, N. J. Insect-repellent. No. 120,108; Jan. 8; v. 246; p. 564.
Killinger, William E., Oklahoma, Okla. Brooms. No. 121,558; May 7; v. 250; p. 251.
Killmer, John P., Gouverneur, N. Y. Ointment for relief of certain named affections. No. 123,451; Nov. 12; v. 256; p. 448.
Kimbrough, F. J., Birmingham, Ala. Ginger-ale and carbonated non-alcoholic beverages and syrups for the manufacture of the same. No. 121,067; Apr. 2; v. 249; p. 232.
King, William H., Newark, N. J. Leather-preservative. No. 120,590; Feb. 19; v. 247; p. 742.
Kingan & Company, Limited, Belfast, Ireland, and Indianapolis, Ind. Compound, a substitute for lard. No. 120,266, Jan. 29; v. 246; p. 1200.
Kingstone, Rose L., New York, N. Y. Composition of matter for removing superfluous hair. No. 121,628; May 14; v. 250; p. 510.
Kinney, Grosvenor S., New York, N. Y. Mechanical vulcanizer for use in connection with tires and tubes. No. 123,810; Dec. 10; v. 257; p. 404.
Kips Bay Brewing & Malting Company, New York, N. Y. Non-intoxicating, hop-flavored, soft-drink beverage. No. 122,645; Sept. 3; v. 254; p. 221.
Kittle & Watson, Evans Mills, N. Y. Chilli-con-carne. No. 121,789; May 28; v. 250; p. 994.
Klamath River Packers Ass'n, Requa, Cal. Canned salmon. No. 123,249; Oct. 22; v. 255; p. 825.
Kleeno Manufacturing Co., St. Louis, Mo. Metal-polish. No. 123,725; Dec. 3; v. 257; p. 188.
Klein, Anna, Iowa City, Iowa. Hair-dressing. No. 123,452; Nov. 12; v. 256; p. 448.
Klemperer, Gustav, New York, N. Y. Hair-nets. No. 120,502; Feb. 12; v. 247; p. 476.
Kliemant, Robert M., Baltimore, Md. Candy. No. 123,136; Oct. 15; v. 255; p. 606.
Klindt-Geiger Canning Co., Cassville, Wis. Canned peas. No. 123,361; Oct. 29; v. 255; p 1050.
Klix Manufacturing Company, Chicago, Ill. Cement for joining films for cameras. No. 122,887; Sept. 24; v. 254; p. 862.
Kloczewski & Co., Washington, D. C. Liquid preparation for malaria, colds, and grippe. No. 121,189; Apr. 16; v. 249; p. 736.
Knaack Brothers, Bellingham, Wash. Phonographs. No. 123,137; Oct. 15; v. 255; p. 606.
Knickerbocker Motors, Inc., New York, N. Y. Tractors and automobile-tractor devices. No. 120,198; Jan. 15; v. 246; p. 820.
Knight, Wm. M., Minneapolis, Minn. Medicinal preparation for certain named ailments. No. 123,606; Nov. 19; v. 256; p. 641.
Knipe Bros., Inc., Haverhill, Mass. Leather boots and shoes. No. 122,592; Aug. 27; v. 253; p. 950.
Knorp, Elsie M., San Francisco, Cal. Liquids for stopping hemorrhages. No. 121,909; June 11; v. 251; p. 459.
Knowlton Danderine Company, Chicago, Ill., and Wheeling, W. Va., assignor to Sterling Products (Incorporated). Soap. No. 123,726; Dec. 3; v. 257; p. 188.
Knox Hat Company, Inc., New York, N. Y. Canes, parasols, umbrellas. No. 123,909; Dec. 17; v. 257; p. 643.
Knox Hat Company, Inc., New York, N. Y. Certain named clothing. No. 123,910; Dec. 17; v. 257; p. 644.
Knox Hat Company, Inc., New York, N. Y. Men's hats. No. 124,009; Dec. 31; v. 257; p. 1076.
Knoxville Excelsior & Mattress Co., Knoxville, Tenn Mattresses. No. 121,629; May 14; v. 250; p. 510.
Knutson, Casper A., Valley Springs, S. D. Compound to prevent leaks in automobile-radiators. No. 122,593; Aug. 27; v. 253; p. 950.
Kny-Scheerer Corporation, The, New York, N. Y. Certain named electromedical apparatus. No. 121,719; May 21; v. 250; p. 764.
Knyff, René de, Arcueil, France. Apparatus for delivering oxygen or any other gases under pressure for hypodermic injections. No. 121,415; Apr. 30; v. 249; p. 1218.
Kobler & Miller Company, Buffalo, N. Y. Certain named furniture. No. 120,267; Jan. 29; v. 246; p. 1200.
Kohler Co., Kohler, Wis. Certain named cast-metal plumbing ware with vitreous-enamel coating. No. 121,305; Apr. 23; v. 249; p. 981.
Kohnstamm & Co., H., New York, N. Y. Ice-cream powder. No. 120,872; Mar. 12; v. 248; p. 496.
Kolox Company, The, New York, N. Y. Remedy for the cure of hay-fever, asthma, head-colds, and nasal catarrh. No. 120,980; Mar. 19; v. 248; p. 764.
Koman Tablet Company, Columbus, Ohio. Laxative preparations. No. 121,068; Apr. 2; v. 249; p. 232.
Konishi, Kogi, Tokyo, Japan. Timepiece-glass. No. 123,250; Oct. 22; v. 255; p. 825.
Kopple, Morris D., New York, N. Y. Lathes. No. 122,502; Aug. 20; v. 253; p. 743.
Kops Bros., New York, N. Y. Corsets, brassières, and ladies' underwaists. No. 121,455; Apr. 30; v. 249; p. 1219.
Kops Bros., New York, N. Y. Corsets, brassières, ladies' underwaists. No. 121,790; May 28; v. 250; p. 994.
Kops Bros., New York, N. Y. Corsets. No. 123,251; Oct. 22; v. 255; p. 825.
Korn, Oscar, Detroit, Mich. Laxative. No. 123,045; Oct. 8; v. 255; p. 362.
Krampf, Oscar A., Holland, N. Y. Digestive powder. No. 120,400; Feb. 5; v. 247; p. 239.
Kraus & Co., Inc., Baltimore, Md. Cigars. No. 120,680; Feb. 26; v. 247; p. 961.
Krauss, Arnold, Los Angeles, Cal. Hair-tonic. No. 121,306; Apr. 23; v. 249; p. 981.
Kreeger Store, Incorporated, The, New Orleans, La. Corsets. No. 122,594; Aug. 27; v. 253; p. 950.
Kreeger Store, Incorporated, The. New Orleans, La. Misses' and women's frocks. No. 123,607; Nov. 19; v. 256; p. 641.
Kreeger Store, Incorporated, The. New Orleans, La. Women's frocks. No. 123,608; Nov. 19; v. 256; p. 641.
Kreidt, Conrad, Chandler, Ariz. Medicine for rheumatism and catarrh. No. 123,453; Nov. 12; v. 256; p. 448.
Krew-Pina Company, The, Waynesburg, Pa. Preparation for treating certain named ailments and diseases. No. 121,910; June 11; v. 251; p. 459.
Kriebel & Co., Chicago, Ill. Publication issued monthly. No. 123,825; Dec. 10; v. 257; p. 404.
Kriel, Hannah E., Baltimore, Md. Lard substitute composed of cotton-seed oil and other ingredients. No. 123,826; Dec. 10; v. 257; p. 404.
Kroneberger & Co., C. H., Baltimore, Md. Coffee. No. 123,362; Oct. 29; v. 255; p. 1050.
Krouse, William G., Wyoming, Iowa. Spark-adjusters. No. 124,010; Dec. 31; v. 257; p. 1076.
Krower & Son, Leonard, New Orleans, La. Various kinds of jewelry. No. 120,752; Mar. 5; v. 248; p. 230.
Kroyer, John M., Stockton, Cal. Tractors. No. 123,609; Nov. 19; v. 256; p. 641.
Kroyer, John M., Stockton, Cal. Tractors. No. 124,011; Dec. 31; v. 257; p. 1076.
Kuttroff, Pickhardt & Co. Inc., New York, N. Y. Dyestuffs, pigments, and colors used in dyeing and printing. No. 121,190; Apr. 16; v. 249; p. 736.
Kwick-Bath Corporation, The, Wilson, N. C. Bath-cabinets. No. 122,503; Aug. 20; v. 253; p. 743.
Kwick-Work Fountain Brush Mfg. Co., Kansas City, Mo. Shoe-polishers—viz., brushes for applying polish. No. 122,595; Aug. 27; v. 253; p. 950.
L. Candee & Company, New Haven, Conn. Rubber boots and shoes. No. 122,575; Aug. 27; v. 253; p. 949.
L. Heller & Son Inc., New York, N. Y. Cut stones. No. 123,446; Nov. 12; v. 256; p. 448.
L. Sonneborn Sons, Inc., New York, N. Y. Liquid used as a disinfectant, sterilizer, cleanser, and deodorant. No. 120,120; Jan. 8; v. 246; p. 565.
L. C. Blancke Co., Inc., New York, N. Y. High-speed-steel tool-bits, twist-drills, milling-cutters, &c. No. 120,708; Mar. 5; v. 248; p. 229.
L. C. Blancke Co. Inc., New York, N. Y. Tools. No. 121,248; Apr. 23; v. 249; p. 979.
L. C. Blancke Co. Inc., New York, N. Y. Drills, tool-bits, reamers, taps, dies, hacksaw-blades. No. 122,426; Aug. 20; v. 253; p. 741.
L. D. Stickles Shoe Co., The, Red Wing, Minn. Boots and shoes of leather, canvas, and rubber. No. 120,447; Feb. 5; v. 247; p. 241.
La Croix, John D., Vincennes, Ind. Washing-powder and cleanser. No. 122,504; Aug. 20; v. 253; p. 743.
La Societe D'Organisation, Limited, Montreal, Quebec, Canada. Chemical fire-extinguishers. No. 124,012; Dec. 31; v. 257; p. 1076.
La Valliere Co., The, New Orleans, La. Cosmetic. No. 121,073; Apr. 2; v. 249; p. 232.
Lachinian, Garabed, New York, N. Y. Certain named food product. No. 121,072; Apr. 2; v. 249; p. 232.
Lactex Process Company, The, Seekonk, Mass. Lacquer. No. 123,138; Oct. 15; v. 255; p. 606.

Alphabetical list of registrants of trade-marks—Continued.

Laitner & Sons, A., Detroit, Mich. Floor, window, bench, scrubbing, and dust brushes. No. 122,715; Sept. 10; v. 254; p. 446.
Lake Winola Products Company, Scranton, Pa. Certain named foods. No. 121,630; May 14; v. 250; v. 510.
Lakeland Company, The, Lakeland, Fla. Citrus fruits and fresh vegetables. Nos. 121,307–8; Apr. 23; v. 249; p. 981.
Lakeside Mills, Burlington, N. C. Cotton piece goods. No. 120,268; Jan. 29; v. 246; p. 1200.
Lambert, Eric, Kansas City, Mo. Dry-kilns for drying wood veneer and lumber. No. 122,505; Aug. 20; v. 253; p. 743.
Lamp, Philip C., Cleveland, Ohio. Compound for cleaning carpets, rugs, and wash-clothes. No. 121,911; June 11; v. 251; p. 459.
Lampman, John A., Port Ewen, N. Y. Bread and cake. No. 120,593; Feb. 19; v. 247; p. 742.
Lancaster Lens Company, The, Lancaster, Ohio. Diffusing-lenses for automobile-lamps. No. 121,456; Apr. 30; v. 249; p. 1219.
Lancaster Mills, Clinton and Boston, Mass. Cotton piece goods. No. 121,457; Apr. 30; v. 249; p. 1219.
Landau, Charles, New York, N. Y. Cigars. No. 122,596; Aug. 27; v. 253; p. 950.
Landauer, Edmond, Paris, France. Ice-making machine and refrigerators. No. 122,716; Sept. 10; v. 254; p. 446.
Landers, Frary & Clark, New Britain, Conn. Certain named articles having parts of or plated with precious metal. No. 120,031; Jan. 1; v. 246; p. 297.
Landers, Frary & Clark, New Britain, Conn. Forks, spoons, cheese-scoops, nut-picks, and pie-servers. No. 120,753; Mar. 5; v. 248; p. 230.
Lange Canning Co., Eau Claire, Wis. Canned vegetables and hominy. No. 122,276; July 16; v. 252; p. 741.
Lange Canning Co., Eau Claire, Wis. Canned vegetables. No. 122,646; Sept. 3; v. 254; p. 221.
Lange Canning Co., Eau Claire, Wis. Canned vegetables. No. 122,717; Sept. 10; v. 254; p. 446.
Lange Canning Co., Eau Claire, Wis. Canned vegetables. No. 123,728; Dec. 3; v. 257; p. 188.
Langerman, Joseph, Chicago, Ill. Preparation for the treatment of gonorrhea and gleet. No. 122,327; July 23; v. 252; p. 958.
Lanham Cotton Cultivator Company, Rome, Ga. Cotton choppers and cultivators. No. 121,631; May 14; v. 250; p. 510.
Lanman & Kemp, New York, N. Y. Liquid vermifuge. No. 123,610; Nov. 19; v. 256; p. 641.
Lanman & Kemp, New York, N. Y. Pectoral compound for coughs, asthma, &c. No. 123,611; Nov. 19; v. 256; p. 641.
Lanman & Kemp, New York, N. Y. Florida water. No. 123,729; Dec. 3; v. 257; p. 188.
Lanman & Kemp, New York, N. Y. Florida water. No. 123,827; Dec. 10; v. 257; p. 404.
Lantagne, Joseph T., Lowell, Mass. Preparation for treating certain named diseases. No. 123,455; Nov. 12; v. 256; p. 448.
Larrowe Milling Co., The, Cohocton, N. Y., and Detroit, Mich. Dairy feed. No. 120,269; Jan. 29; v. 246; p. 1200.
Lash's Bitters Co., New York, N. Y. Tonic bitters to be used as a tonic and appetizer. No. 121,632; May 14; v. 250; p. 510.
Lasher & Lathrop, Inc., New York, N. Y. Writing and printing papers. No. 123,828; Dec. 10; v. 257; p. 404.
Lauber, Carl F., Philadelphia, Pa. Cordial. No. 121,912; June 11; v. 251; p. 459.
Laurel Company, The, Seattle, Wash. Evaporated milk. No. 120,401; Feb. 5; v. 247; p. 239.
Lautz Bros. & Co., Buffalo, N. Y. Soap. No. 121,458; Apr. 30; v. 249; p. 1219.
Lautz Bros. & Co., Buffalo, N. Y. Soap. No. 123,456; Nov. 12; v. 256; p. 448.
Lavin Company, The, New York, N. Y. Snap-fasteners. No. 120,402; Feb. 5; v. 247; p. 240.
Lawden Company, The, New York, N. Y. Syrups for sweetening and flavoring foods. No. 123,730; Dec. 3; v. 257; p. 188.
Lawler, John F., Boston, Mass. Anilin colors. Nos. 123,457–9; Nov. 12; v. 256; p. 448.
Lawrence Chemical Co., Marietta, Ohio. Composition for use in cleaning clothes. No. 123,731; Dec. 3; v. 257; p. 188.
Lawson Manufacturing Company, Chicago, Ill. Hinges, door-guards, and lavatory-trimmings. No. 122,150; July 2; v. 252; p. 241.
Leader Iron Works, Decatur, Ill. Certain named cutlery, machinery, and tools, and parts thereof. No. 124,013; Dec. 31; v. 257; p. 1076.
Leavitt, Samuel, Chicago, Ill. Gas water-heaters, combination-boilers, gas undertank-heaters, and boilers. No. 122,889; Sept. 24; v. 254; p. 862.
Leavy, William L., Brooklyn, N. Y. Children's dresses. No. 121,791; May 28; v. 250; p. 994.
Lederer, H. B., New York, N. Y. Scarfs for headwear and neckwear for automobiling. No. 121,459; Apr. 30; v. 249; p. 1219.
Lederer, Herbert B., New York, N. Y. Hair-nets. No. 121,460; Apr. 30; v. 249; p. 1219.
Lee Broom & Duster Company, Lincoln, Nebr. Brooms. No. 123,612; Nov. 19; v. 256; p. 641.
Lee Spring Company, The, Brooklyn, N. Y. Compression, extension, and torsion springs. No. 121,191; Apr. 16; v. 249; p. 736.
Lee, William M., Nocona, Tex. Asthma medicine. No. 123,046; Oct. 8; v. 255; p. 362.
Leeks, George A., Hamilton, Ontario, Canada. Motor-vehicle-headlight lenses. No. 122,507; Aug. 20; v. 253; p. 744.
Legerton & Co., Inc., Charleston, S. C. Sea-grass and palmetto baskets. No. 120,595; Feb. 19; v. 247; p. 742.
Legerton & Co. Inc., Charleston, S. C. Sea-grass and palmetto baskets. No. 123,460; Nov. 12; v. 256; p. 448.
Leibbrandt, Bertha, San Francisco, Cal. Germinated grain used in the preparation of a food beverage. No. 121,309; Apr. 23; v. 249; p. 981.
Leisy Brewing Co., The, Peoria, Ill. Non-alcoholic malt beverage to be sold as a soft drink. No. 122,647; Sept. 3; v. 254; p. 221.
Lemola Co., The, Indianapolis, Ind. Maltless non-alcoholic soft drinks and syrups for making same. No. 123,462; Nov. 12; v. 256; p. 448.
Lennon, John F., Providence, R. I. Wheat-flour. No. 122,506; Aug. 20; v. 253; p. 743.
Leonard Asbury O., New York, N. Y. Glandular and massage oil. No. 120,109; Jan. 8; v. 246; p. 564.
Leonard, Asbury O., New York, N. Y. Artificial ear-drum. No. 120,271; Jan. 29; v. 246; p. 1200.
Leopold, Morse Co., Boston, Mass. Men's, boys', and youths' suits and overcoats. No. 123,253; Oct. 22; v. 255; p. 825.
Leousi Clonney & Co., New York, N. Y. Chamois and sponges. No. 120,503; Feb. 12; v. 247; p. 476.
Leousi Clonney & Co., New York, N. Y. Chamois and sponges. Nos. 121,264–5; Apr. 23; v. 249; p. 980.
Lesh, D. K., Los Angeles, Cal. Antiseptic germ-destroying liquid. No. 123,461; Nov. 12; v. 256; p. 448.
Lesher, Whitman & Co. Inc., New York, N. Y. Certain knitted, netted, and textile fabric. Nos. 121,461–2; Apr. 30; v. 249; p. 1219.
Letts, Arthur, Los Angeles, Cal. Ladies' shirt-waists. No. 122,597–8; Aug. 27; v. 253; p. 950.
Lever Brothers Company, Portland, Me., and Cambridge, Mass. Soap and scouring compound. No. 121,463; Apr. 30; v. 249; p. 1219.
Levering, Eugene, Jr., Baltimore, Md. Tea. Nos. 122,648–9; Sept. 3; v. 254; p. 221.
Levi, Laz., New York, N. Y. Belts for wear. No. 120,270; Jan. 29, v. 246; p. 1200.
Levi Strauss & Co., San Francisco, Cal. Women's overalls. No. 123,290; Oct. 22; v. 255; p. 826.
Levin, Abraham, New York, N. Y. Certain named paints. No. 120,404; Feb. 5; v. 247; p. 240.
Levy, Cecilia, New York, N. Y. Women's hats. No. 121,792; May 28; v. 250; p. 994.
Levy Mattress Company, Inc., New Orleans, La. Mattresses. No. 122,219; July 9; v. 252; p. 500.
Lewis, Edgar P., Boston, Mass. Candy. No. 122,890; Sept. 24; v. 254; p. 862.
Lewis, Florence N., New York, N. Y. Depilatory. No. 123,441; Nov. 12; v. 256; p. 448.
Lewis, Florence N., New York, N. Y. Eye-lotion. No. 123,463; Nov. 12; v. 256; p. 448.
Lewis, Florence N., New York, N. Y. Toilet cream. No. 123,464; Nov. 12; v. 256; p. 448.
Lewis Manufacturing Company, Walpole, Mass. Absorbent cotton and gauze bandages, bandage-rolls, surgical wadding. No. 120,504; Feb. 12; v. 247; p. 476.
Lewis, Mary L., Americus, Ga. Hair-pomade. No. 122,384; July 30; v. 252; p. 1139.
Lewis, Myron H., New York, N. Y. Men's, women's, and children's pajamas, night-robes, and sleeping-garments. No. 121,464; Apr. 30; v. 249; p. 1219.
Leyland & Birmingham Rubber Co., Ltd., The, Leyland, England. Certain named articles made of india-rubber. No. 121,633; May 14; v. 250; p. 510.
Libby, McNeill & Libby, Chicago, Ill. Canned beef. No. 121,559; May 7; v. 250; p. 251.
Liberty & Co. Limited, London, England. Certain named knitted, netted, and textile fabrics. No. 120,598; Feb. 19; v. 247; p. 742.
Liberty Paper Co., New York, N. Y. Gummed paper tape. No. 120,597; Feb. 19; v. 247; p. 742.
Liberty Paper Co., New York, N. Y. Tape-moistening machines. No. 123,047; Oct. 8; v. 255; p. 362.
Liberty Paper Company, New York, N. Y. Devices for moistening gummed papers, tape, envelops, &c. No. 123,732; Dec. 3; v. 257; p. 188.
Lichtman, Leo, New York, N. Y. Hair-tonic, curative for dandruff, and restorative for falling hair. No. 122,718; Sept. 10; v. 254; p. 446.
Lidseen, Gustave, Chicago, Ill. Force-feed oil-cans. No. 123,048; Oct. 8; v. 255; p. 362.
Lieber, Leo, Philadelphia, Pa. Candies. No. 123,618; Nov. 19; v. 256; p. 641.
Lilywood Farms Company, Robinsdale, Minn. Butter. No. 122,802; Sept. 17; v. 254; p. 652.
Lindeke, Warner & Sons, St. Paul, Minn. Hosiery. No. 121,465; Apr. 30; v. 249; p. 1219.

Alphabetical list of registrants of trade-marks—Continued.

Linden Valley Chocolate Co., Trenton, N. J. Molasses and chocolate candy. No. 122,326; July 23; v. 252; p. 958.
Linen Thread Co., The, New York, N. Y. Twine. No. 120,505; Feb. 12; v. 247; p. 476.
Lippincott, Geo. A., Philadelphia, Pa. Food and tonic for plants, flowers, &c. No. 121,913; June 11; v. 251; p. 459.
Live Leather Belt Co., Inc., New York, N. Y. Leather or fabric belts for personal wear. No. 123,139; Oct. 15; v. 255; p. 606.
Liverade Medicine Co., Fulton, Ky. Remedy for certain named diseases. No. 123,363; Oct. 29; v. 255; p. 1050.
Livingston Baking Company, Chicago, Ill. Bread. No. 123,049; Oct. 8; v. 255; p. 362.
Ljusne-Woxna Aktiebolag, Ljusne, Sweden. Bar and pig iron, castings and forgings of pig and forge iron, and steel. No. 123,528; Nov. 19; v. 256; p. 639.
Lloyd, Converse W., New York, N. Y., assignor to The Sani-Fold Company. Tooth-brushes. No. 120,596; Feb. 19; v. 247; p. 742.
Locktite Patch Company, Detroit, Mich. Inner-tube and casing patches for vehicle-tires. No. 120,874; Mar. 12; v. 248; p. 496.
Loft, Incorporated, New York, N. Y. Candy. No. 124,015; Dec. 31; v. 257; p. 1076.
Logotheti, George, Brooklyn, N. Y. Cathartic compound. No. 120,755; Mar. 5; v. 248; p. 230.
Logotheti, George, Brooklyn, N. Y. Tonic compound for general debility and purification of the blood. No. 123,911; Dec. 17; v. 257; p. 644.
Lokesch & Sohn, Eduard, Prague-Holeschowitz, Austria. Snap and placket fasteners. No. 120,601; Feb. 19; v. 247; p. 743.
Long Furniture Company, The, Hanover, Pa. Certain named furniture. No. 122,221; July 9; v. 252; p. 500.
Long Handkerchief Co. Inc., New York, N. Y. Handkerchiefs. No. 120,506; Feb. 12; v. 247; p. 476.
Long-Landreth-Schneider Company, The, New Brunswick, N. J. Circulating systems, steam and hot-water boilers, water-heaters. No. 120,507; Feb. 12; v. 247; p. 476.
Long Syrup Refining Co., San Francisco, Cal. Cane and maple syrup, sugar, preserved fruits. No. 122,650; Sept. 3; v. 254; p. 221.
Longford Company of America, Cambridge, Mass. Automobile trucks, chassis, automobile parts, and accessories. No. 121,192; Apr. 16; v. 249; p. 736.
Lonsdale Company, Providence, R. I. Cotton goods in the piece. Nos. 123,912–13; Dec. 17; v. 257; p. 644.
Loos & Dilworth, Philadelphia, Pa. Softening and cleansing agent for textile and knit fabrics and materials. No. 122,891; Sept. 24; v. 254; p. 862.
Loose-Wiles Biscuit Company, Kansas City, Mo. Crackers. No. 122,328; July 23; v. 252; p. 958.
Lorenz Company, Everett, Mass., assignor to Mihalovitch Brothers Company, Cincinnati, Ohio. Toilet and shaving soaps. No. 123,140; Oct. 15; v. 255; p. 607.
Lorenz Company, The, Everett, Mass., assignor to Mihalovitch Brothers Company, Cincinnati, Ohio. Flavoring extracts for foods. No. 123,255; Oct. 22; v. 255; p. 825.
Lorient-Cartier, Incorporated, New York, N. Y. Candy. No. 121,720; May 21; v. 250; p. 764.
Los Angeles Olive Growers Association, Los Angeles, Cal. Cooked and uncooked canned fruit, bottled and canned pickles and vegetables. No. 122,329; July 23; v. 252; p. 958.
Louis Distributing Company, Milwaukee, Wis. Potatoes. No. 123,829; Dec. 10; v. 257; p. 404.
Louis Distributing Company, Milwaukee, Wis. Potatoes. No. 123,914; Dec. 17; v. 257; p. 644.
Louis Lewin Co., Chicago, Ill., and Clinton, Ind. Men's union-suit for outer wear—namely, overall and coat combined. No. 120,981; Mar. 19; v. 248; p. 764.
Louis Pfaelzer & Sons, Chicago, Ill. Hams, bacon, lard, sausage. No. 121,565; May 7; v. 250; p. 252.
Louis R. Chazal and Sons Company, Ocala, Fla. Cornmeal. No. 121,262; Apr. 23; v. 249; p. 980.
Lowell Lamb & Company, Inc., New York, N. Y. Furs. No. 121,793; May 28; v. 250; p. 994.
Lowry, Patrick J., San Francisco, Cal. Washing compound. No. 122,892; Sept. 24; v. 254; p. 862.
Loxol Manufacturing Co., Lebanon, N. H. Adhesive cement. No. 121,466; Apr. 30; v. 249; p. 1219.
Lubec Sardine Company, Lubec, Me., and Chicago, Ill. Canned sardines. No. 123,915; Dec. 17; v. 257; p. 644.
Lucey Manufacturing Corporation of Texas, Houston, Tex. Steel castings and forgings. No. 124,016; Dec. 31; v. 257; p. 1076.
Ludgate, Ryder, Thomas & Co., Redditch, England. Certain named sporting goods. No. 123,733; Dec. 3; v. 257; p. 188.
Luminous Unit Company, St. Louis, Mo. Fixtures for electric lights. No. 120,405; Feb. 5; v. 247; p. 240.
Lundborg Company, New York, N. Y. Perfumery in liquid form. No. 122,508; Aug. 20; v. 253; p. 744.
Lundborg Company, New York, N. Y. Perfumery in liquid and powder forms. No. 122,509; Aug. 20; v. 253; p. 744.
Lundborg Company, New York, N. Y. Perfumery in liquid form. No. 122,510; Aug. 20; v. 253; p. 744.

Lunepp, Joseph, South River, N. J., and New York, N. Y. Women's and children's muslin underwear and lingerie, children's dresses. No. 123,830; Dec. 10; v. 257; p. 404.
Lyko Medicine Company, Kansas City, Mo. General tonic. No. 122,330; July 23; v. 252; p. 958.
Lynn Rubber Manufacturing Company, Lynn, Mass. Foot-powder. No. 121,193; Apr. 16; v. 249; p. 736.
Lyon Carpet Co., Lowell, Mass. Yarns. No. 123,832; Dec. 10; v. 257; p. 405.
Lyon Carpet Co., Lowell, Mass. Yarns. No. 123,916; Dec. 17; v. 257; p. 644.
Lyon and Company, New York, N. Y. Preparation for the treatment of diabetes. No. 123,833; Dec. 10; v. 257; p. 405.
Lyon, Conklin & Co. Inc., Baltimore, Md. Terne plates. No. 120,406; Feb. 5; v. 247; p. 240.
Lyon & Healy, Chicago, Ill. Pianos. No. 123,141; Oct. 15; v. 255; p. 607.
Lyon Metallic Manufacturing Company, Montgomery, Ill. Metallic doors and window-sash and door and window frames. No. 123,142; Oct. 15; v. 255; p. 607.
Lyon Metallic Manufacturing Company, Montgomery, Ill. Furniture for certain named purposes. No. 123,614; Nov. 19; v. 256; p. 641.
Lyon Metallic Manufacturing Company, Montgomery, Ill. Hand-drawn trucks for use in shops, warehouses, &c. No. 123,831; Dec. 10; v. 257; p. 405.
Lyraphone Company of America, Wilmington, Del.; Washington, D. C., and New York, N. Y. Phonographic records for talking-machines. No. 120,875; Mar. 12; v. 248; p. 497.
Lyraphone Company of America, Wilmington, Del.; Washington, D. C., and New York, N. Y. Phonographic records for talking-machines. No. 121,194; Apr. 16; v. 249; p. 736.
Lyster Chemical Company, Augusta, Me., and New York, N. Y. Liquid disinfectant and antiseptic. No. 122,978; Oct. 1; v. 255; p. 158.
M. Bertish & Co., Limited, Bristol, England. Men's jackets, waistcoats, trousers, over and rain coats. No. 123,782; Dec. 10; v. 257; p. 403.
M. Blumenthal and Company, Hartford, Conn. Ladies' and misses' hats. No. 121,396; Apr. 30; v. 249; p. 1217.
M. Brodsky & Co., Inc., New York, N. Y. Cotton sewing-thread and yarn. No. 122,060; June 25; v. 251; p. 835.
M. Frank Sons & Company, Inc., New York, N. Y. Suits and overcoats for men and boys. No. 121,432; Apr. 30; v. 249; p. 1218.
M. Kutz Company, Inc., Atlanta, Ga. Women's trimmed and untrimmed hats. No. 123,252; Oct. 22; v. 255; p. 825.
M. C. Peters Mill Co., Omaha, Nebr. Mixed feed composed of various grains, alfalfa, and molasses. No. 122,038; June 18; v. 251; p. 672.
M. C. Peters Mill Co., Omaha, Nebr. Poultry feed. No. 122,039; June 18; v. 251; p. 672.
M. E. Smith & Co. Inc., Omaha, Nebr. Dress, flannel, and negligée shirts. No. 120,913; Mar. 12; v. 248; p. 498.
M. E. Smith & Co., Inc., Omaha, Nebr. Bleached muslin piece goods. No. 121,833; May 28; v. 250; p. 995.
M. J. Steinberg Hat & Fur Company, St. Louis, Mo. Ladies' outer suits, coats, dress-waists, hats, and sweaters. No. 120,294; Jan. 29; v. 246; p. 1201.
M. and T. Button Company, Boston, Mass., and Providence, R. I. Buttons for wearing-apparel. No. 121,864; June 11; v. 251; p. 457.
M. T. Davidson Company, Brooklyn, N. Y. Pumps, pumping-engines, condensers, and evaporators. No. 120,961; Mar. 19; v. 248; p. 764.
Maag Gear Company, Yonkers, N. Y. Gear-wheels and gear transmission. No. 120,983; Mar. 19; v. 248; p. 764.
Mabie, Todd & Co., New York, N. Y. Fountain-pens. No. 120,603; Feb. 19; v. 247; p. 743.
Mabie, Todd & Co., New York, N. Y. Fountain-pens. No. 122,278; July 16; v. 252; p. 742.
MacDonell Chow Corp., New York, N. Y. Dried beans. No. 122,279; July 16; v. 252; p. 742.
Macadam & Co., J. F., Buenos Aires, Argentina. Extracts of the Paraguayan tea-plant, (*Ilex Paraguayensis.*) No. 122,088; June 25; v. 251; p. 836.
Macdonald, James, New York, N. Y. Toilet preparations and cosmetics. No. 122,385; July 30; v. 252; p. 1139.
Macgregor Instrument Company, Boston, Mass. Certain named dental, medical, and surgical appliances. No. 121,560; May 7; v. 250; p. 251.
Mack, Oscar C., St. Louis, Mo. Chemical preparation used in detecting cotton or adulterants in woolens. No. 120,133; Jan. 8; v. 246; p. 565.
Maclow Ale & Manufacturing Company, The, Huntington, W. Va. Soft drink. No. 121,915; June 11; v. 251; p. 459.
Macy & Co., R. H., New York, N. Y. Gloves. No. 120,032; Jan. 1; v. 246; p. 297.
Macy & Co., R. H., New York, N. Y. Hosiery. No. 120,033; Jan. 1; v. 246; p. 297.
Macy & Co., R. H., New York, N. Y. Textile bath-rugs. No. 120,274; Jan. 29; v. 246; p. 1200.

Alphabetical list of registrants of trade-marks—Continued.

Macy & Co., R. H., New York, N. Y. Coats, vests, and trousers. No. 120,275; Jan. 29; v. 246; p. 1200.
Macy & Co., R. H., New York, N. Y. Rubber, canvas, and leather shoes. No. 121,468; Apr. 30; v. 249; p. 1219.
Macy & Co., R. H., New York, N. Y. Handkerchiefs. No. 121,794; May 28; v. 250; p. 994.
Macy & Co., R. H., New York, N. Y. Salad-dressing. No. 121,916; June 11; v. 251; p. 459.
Macy & Co., R. H., New York, N. Y. Corsets. No. 122,600; Aug. 27; v. 253; p. 950.
Macy & Co., R. H., New York, N. Y. Ribbons. No. 123,256; Oct. 22; v. 255; p. 825.
Madam C. J. Walker Mfg. Co., The, Indianapolis, Ind. Hair-tonic. No. 120,759; Mar. 5; v. 248; p. 231.
Madden, Jeremiah M., New York, N. Y. Insecticide. No. 124,017; Dec. 31; v. 257; p. 1076.
Magic Leather Treatment Co., Detroit, Mich. Leather-dressing. No. 123,364; Oct 29; v. 255; p. 1050.
Magnolia Provision Company, Houston, Tex. Oleaginous compound produced from peanuts for cooking purposes. No. 122,803; Sept. 17; v. 254; p. 652
Magnolia Provision Company, Houston, Tex. Oleaginous compound produced from peanuts for cooking purposes. Nos. 123,617–18; Nov. 19; v. 256; p. 641.
Magruder-Wood Chocolate Co., Inc., Syracuse, N. Y. Chocolate candies. No. 122,031; June 18; v. 251; p. 672.
Mahnken, Charles, Bayonne, N. J. Liniment for external use. No. 120,199; Jan. 15; v. 246; p. 820.
Mahoney, William F., Washington, D. C. Certain named non-intoxicating beverages. No. 120,276; Jan. 29; v. 246; p. 1200.
Maier, Edward R., Los Angeles, Cal. Non-alcoholic cereal beverage sold as a soft drink. No. 122,602; Aug. 27; v. 253; p. 950.
Main, John J. D., Leicester, England. Fertilizers. No. 123,465; Nov. 12; v. 256; p. 448.
Majestic Motion Picture Company, New York, N. Y. Motion-picture films. No. 121,635; May 14; v. 250; p. 511.
Makegood Waist Company, New York, N. Y. Ladies' waists, dresses, skirts. No. 124,018; Dec. 31; v. 257; p. 1076.
Makepeace, Bertrand L., Boston, Mass. Certain named paper and stationery. No. 122,894; Sept. 24; v. 254; p. 862.
Mallinckrodt, Louis K., Baltimore, Md. Wrapping-paper. No. 123,619; Nov. 19; v. 256; p. 642.
Mallinckrodt, Louis K., Baltimore, Md. Wrapping-paper. No. 123,735; Dec. 3; v. 257; p. 188.
Mallinson and Company, H. R., New York, N. Y. Silk piece goods. No. 120,200; Jan. 15; v. 246; p. 820.
Malmed & Co., A. T., Philadelphia, Pa. Certain named construction materials. No. 122,723; Sept. 10; v. 254; p. 447.
Malone & Hyde Inc., Memphis, Tenn. Coffee. No. 120,760; Mar. 5; v. 248; p. 231.
Malouf, Abraham M., Salt Lake City, Utah. Steel pens, penholders, lead and graphite pencils, and fountain-pens. No. 120,408; Feb. 5; v. 247; p. 240.
Malouf, Abraham M., New York, N. Y. Certain named clothing. No. 120,885; Mar. 12; v. 248; p. 497.
Manhasset Manufacturing Company, Providence, R. I. Cotton and linen woven tire-fabric piece goods. No. 120,134; Jan. 8; v. 246; p. 565.
Manhattan Electrical Supply Co., Inc., New York, N. Y. Electric batteries. No. 120,761; Mar. 5; v. 248; p. 231.
Manhattan Rubber Mfg. Co., The, New York, N. Y. Belting made partly of fabric and partly of rubber. No. 121,797; May 28; v. 250; p. 994.
Manhattan Rubber Mfg. Co., The, New York, N. Y. Billiard-cushions. No. 123,052; Oct. 8; v. 255; p. 362.
Manhattan Shirt Co., New York, N. Y. Outer and dress shirts, collars. No. 124,019; Dec. 31; v. 257; p. 1076.
Manhattan Studios, Inc., New York, N. Y. Motion-picture films. No. 120,984; Mar. 19; v. 248; p. 764.
Mann, Erwin H., Minneapolis, Minn. Weekly advertising publication. No. 122,979; Oct. 1; v. 255; p. 158.
Mann, Wm. H., Roanoke, Ala. Self-rising wheat-flour. No. 122,601; Aug. 27; v. 253; p. 950.
Manor & Co., J. D., New Market, Va. Wheat-flour. No. 121,796; May 28; v. 250; p. 994.
Mansfield, James F., New York, N. Y. Watches and clocks. No. 121,195; Apr. 16; v. 249; p. 736.
Manteca Canning Co., Stockton, Cal. Certain named foods. No. 120,886; Mar. 12; v. 248; p. 497.
Manteca Canning Co., Stockton and Manteca, Cal. Certain named foods. No. 120,887; Mar. 12; v. 248; p. 497.
Manteca Canning Co., Stockton, Cal. Canned string-beans and tomatoes. No. 120,888; Mar. 12; v. 248; p. 497.
Manteca Canning Co., Stockton and Manteca, Cal. Certain named foods. No. 120,985; Mar. 19; v. 248; p. 764.
Manuel Brothers Company, Minneapolis, Minn., and Grand View, Sunnyside and Zillah, Wash. Fresh apples in boxes. No. 122,151; July 2; v. 252; p. 242.
Manuel Caragol & Son, Inc., New York, N. Y. Edible olive-oil. No. 122,032; June 18; v. 251; p. 672.
Mar-Ge-Let Advertising Company, The, Cincinnati, Ohio. Newspaper-section. No. 121,075; Apr. 2; v. 249; p. 232.
Marathon Tire & Rubber Co., The, Cuyahoga Falls, Ohio. Rubber vehicle-tires. No. 120,508; Feb. 12; v. 247; p. 476.
Marceau, Theodore C., New York, N. Y. Photographs. No. 121,196; Apr. 16; v. 249; p. 736.
Marcks, Albert W. Automobile and furniture polish. No. 120,889; Mar. 12; v. 248; p. 497.
Marietta Mfg. Co., The, Indianapolis, Ind. Certain named furniture and upholstery. No. 121,197; Apr. 16; v. 249; p. 736.
Marion Steam Shovel Company, The, Marion, Ohio. Electric shovels. No. 120,203; Jan. 15; v. 246; p. 820.
Marion Steam Shovel Company, The, Marion, Ohio. Certain named machinery. No. 120,762; Mar. 5; v. 248; p. 231.
Marion Steam Shovel Co., The, Marion, Ohio. Electric shovels. No. 121,917; June 11; v. 251; p. 459.
Marion Stock Remedy Company, Ocala, Fla. Veterinary liniment for relief of certain named diseases. No. 120,135; Jan. 8; v. 246; p. 565.
Maritimo Coating Corporation, New York, N. Y. Certain named construction materials. No. 120,034; Jan. 1; v. 246; p. 297.
Markates, Spiros C., New York, N. Y. Straw-hat dyes. No. 123,736; Dec. 3; v. 257; p. 188.
Markels, Leonard, New York, N. Y. Phonographs, phonograph motors and parts. No. 120,892; Mar. 12; v. 248; p. 497.
Markowsky, Lawrence, Detroit, Mich. Metal-plating solution. No. 123,366; Oct. 29; v. 255; p. 1050.
Marolf, William, Iron River, Mich. Automobile-chests. No. 123,466; Nov. 12; v. 256; p. 448.
Marquis, Fanny O., New York, N. Y. Balanced food in the form of bread. No. 121,920; June 11; v. 251; p. 459.
Marr, Alexander, Westerly, R. I. Medicated soap. No. 121,919; June 11; v. 251; p. 459.
Marshall Field & Company, Chicago, Ill. Knitted underwear. No. 121,469; Apr. 30; v. 249; p. 1219.
Marshall Field & Company, Chicago, Ill. Cotton-batting. No. 121,798; May 28; v. 250; p. 994.
Marshall Field & Company, Chicago, Ill. Wool-batting. No. 122,895; Sept. 24; v. 254; p. 862.
Marshall Field & Company, Chicago, Ill. Infants' knitted underwear and vests. No. 123,620; Nov. 19; v. 256; p. 642.
Marshall Field & Company, Chicago, Ill. Fountain-pens. No. 123,838; Dec. 10; v. 257; p. 405.
Marshall-Wells Company, Duluth, Minn. Motor-lubricating oil. No. 124,020; Dec. 31; v. 257; p. 1076.
Martin, Albert R., Dallas, N. C. Hen feed. No. 121,799; May 28; v. 250; p. 994.
Martin-Bell Drug Co., Woodward, Okla. Snake-liniment for snake, &c., bites, insect-stings, and rusty-nail wounds. No. 123,839; Dec. 10; v. 257; p. 405.
Martin, M. B., Spokane, Wash. Cigars, smoking-tobacco, chewing-tobacco, and cigarettes. No. 122,222; July 9; v. 252; p. 500.
Martinez, Arthur P., Dallas, Tex. Medicinal alimentitious product consisting of coagulated milk. No. 120,409; Feb. 5; v. 247; p. 240.
Martinez Canning Co., Martinez, Cal. Canned tomato paste (Italian style) and tomato purée. No. 123,621; Nov. 19; v. 256; p. 642.
Martins-Birmingham Limited, Birmingham, England. Foot, golf, and punch balls, golf, cricket, and hockey bags, &c. No. 120,890; Mar. 12; v. 248; p. 497.
Marvel Accessories Manufacturing Company, The, Cleveland, Ohio. Tire-vulcanizers and tire-vulcanizing outfits. No. 121,636; May 14; v. 250; p. 511.
Marvel Accessories Manufacturing Co., The, Cleveland, Ohio. Rubber-tire-vulcanizing outfits. Nos. 122,896–7; Sept. 24; v. 254; p. 862.
Marvel Accessories Manufacturing Company, The, Cleveland, Ohio. Chain-stretching tools, valve-grinders, wrenches. No. 123,144; Oct. 15; v. 255; p. 607.
Marwin Food Company, The, Marion, Ohio. Certain named foods. No. 123,367; Oct. 29; v. 255; p. 1050.
Mary and Tuma, Washington, La. Table-syrups. No. 123,368; Oct. 29; v. 255; p. 1050.
Marzo Brothers, Los Angeles, Cal. Dried and cured olives. No. 120,604; Feb. 19; v. 247; p. 743.
Mason, Rose C., Saginaw, Mich. Foot-ointment. No. 120,201; Jan. 15; v. 246; p. 820.
Master Equipment Company, Los Angeles, Cal. Automobile brakes, ventilators, and truck attachments. No. 120,605; Feb. 19; v. 247; p. 743.
Master Primer Company, Detroit, Mich. Primers for explosive-engines. No. 120,986; Mar. 19; v. 248; p. 764.
Master Roofers Association of Chicago, Chicago, Ill. Certain named roofing materials. No. 123,053; Oct. 8; v. 255; p. 362.
Master Starter Mfg. Company. (See Puckett, Charles N., assignor.)
Masters, E. Nelson, Hillsdale, Mich. Composition for cleaning oriental rugs, carpets, upholstery, and hardwood floors. No. 121,470; Apr. 30; v. 249; p. 1219.
Matchette, Frank J., Milwaukee, Wis., assignor to The Servidor Company, Wilmington, Del. Wall-cabinets. No. 120,035; Jan. 1; v. 246; p. 298.
Matchless Metal Polish Company, The, Chicago, Ill., and New York, N. Y. Buffing and polishing compounds in cake form for metals. Nos. 120,136–7; Jan. 8; v. 246; p. 565.

Alphabetical list of registrants of trade-marks—Continued.

Matchless Metal Polish Company, Limited, The, Liverpool, England. Constructional toys for educational and amusement purposes. No. 120,202; Jan. 15; v. 246; p. 820.
Mathes, Benjamin C., Rochester, N. Y. Certain named toilet preparations, laxative tonic, tablets, and callus-remover. No. 123,369; Oct. 29; v. 255; p. 1050.
Mathews Candy Co., Los Angeles, Cal. Marshmallows. No. 123,370; Oct. 29; v. 255; p. 1050.
Maupin, William H., Chicago, Ill. Carbonated beverage sold as a soft drink and flavoring-syrup therefor. No. 120,204; Jan. 15; v. 246; p. 820.
Maurin, Martin, Hot Spring, N. Mex. Tonic and system-cleanser for treatment of venereal diseases and disorders of the blood. No. 120,410; Feb. 5; v. 247; p. 240.
Max Greenberg & Co. Inc., New York, N. Y. Dresses, dress-waists, outer suits, and coats. No. 120,973; Mar. 19; v. 248; p. 764.
Max Huncke Chemical Co., The, Brooklyn, N. Y. Embalming fluids. No. 122,223; July 9; v. 252; p. 500.
Max Huncke Chemical Co., Brooklyn, N. Y. Embalming fluids. No. 123,840; Dec. 10; v. 257; p. 405.
Max Huncke Chemical Co., Brooklyn, N. Y. Blood-dissolvers. No. 123,841; Dec. 10; v. 257; p. 405.
Max Huncke Chemical Co., Brooklyn, N. Y. Embalming fluids. No. 123,842; Dec. 10; v. 257; p. 405.
Maxon Premix Burner Company, Muncie, Ind. Gas-burning apparatus. No. 123,258; Oct. 22; v. 255; p. 825.
Mayer, Max B., San Antonio, Tex. Waterproofing compound for textile fabrics. No. 123,371; Oct. 29; v. 255; p. 1050.
Maynz, Emanuel, New York, N. Y. Bottle-caps. No. 120,682; Feb. 26; v. 247; p. 961.
Mazri Laboratories, Dayton, Ohio. Eye remedy. No. 120,987; Mar. 19; v. 248; p. 764.
McCain, E. Dwight, Frederick, Md. Fresh apples, peaches, pears, and plums. No. 121,131; Apr. 9; v. 249; p. 503.
McCandless, A. C., Wichita, Kans. Rubber patches. No. 123,143; Oct. 15; v. 255; p. 607.
McCawley & Co. Inc., Baltimore, Md. Certain named clothing. No. 120,756; Mar. 5; v. 248; p. 230.
McCawley & Co., Inc., Baltimore, Md. Certain named clothing for men, women, and children. No. 121,074; Apr. 2; v. 249; p. 232.
McClintons Limited, Donaghmore, Ireland. Certain named toilet preparations. No. 120,884; Mar. 12; v. 248; p. 497.
McClure, Wm. H., Washington, D. C. Certain named toilet preparations. No. 120,602; Feb. 19; v. 247; p. 743.
McCombs & Co., W. A., Pittsburgh, Pa. Electrical switches. No. 123,616; Nov. 19; v. 256; p. 641.
McCord-Brady Co., Omaha, Nebr. Baking-powder, bicarbonate soda, starch, bluing, ammonia. No. 123,834; Dec. 10; v. 257; p. 405.
McCormick & Co., Baltimore, Md. Tapioca and mayonnaise dressing. No. 121,467; Apr. 30; v. 249; p. 1219.
McCormick & Co., Baltimore, Md. Food-flavoring extracts. No. 123,615; Nov. 19; v. 256; p. 641.
McCormick & Co., Baltimore, Md. Egg-preserving compound. No. 124,021; Dec. 31; v. 257; p. 1077.
McCoy-Howe Company, Indianapolis, Ind. Remedy for the local treatment of certain named diseases. No. 120,407; Feb. 5; v. 247; p. 240.
McDevitt and Greenspan, Chicago, Ill. Rubber tires. No. 122,893; Sept. 24; v. 254; p. 862.
McGeghie, William G., Broken Arrow, Okla. Medicinal tonic, a liniment, and ointment for certain named diseases. No. 123,734; Dec. 3; v. 257; p. 188.
McGrath, Joseph P., Omaha, Nebr. Preparation for certain named ailments. No. 120,144; Jan. 8; v. 246; p. 565.
McKelvy, Eleanor C., Atchison, Kans. Floor-polish. No. 122,277; July 16; v. 252; p. 741.
McKenna, John L., New York, N. Y. Anilin colors and dyestuffs. No. 121,721; May 21; v. 250; p. 764.
McKenna, John L., New York, N. Y. Medicated foot-powder. No. 122,719; Sept. 10; v. 254; p. 446.
McKerg, Earl H., Auburn, Wash. Lettered dice for playing a game. No. 120,273; Jan. 29; v. 246; p. 1200.
McKesson & Robbins, Incorporated, New York, N. Y. Cod-liver oil. No. 122,720; Sept. 10; v. 254; p. 446.
McKesson & Robbins, New York, N. Y. Perfumery, talcum powder, toilet water, sachets, and sachet-powder. No. 123,943; Dec. 24; v. 257; p. 813.
McMillan, Myron L., Clarkston, Wash. Medicine for chronic stomach trouble, change of life, &c. No. 122,721; Sept. 10; v. 254; p. 446.
McMullin, Tilden, Sedalia, Mo. Tonic used in the treatment of certain named diseases. No. 123,836; Dec. 10; v. 257; p. 405.
McNaughton, Lillian, assignor to Mila Manufacturing Company, Los Angeles, Cal. Girls' two-piece dress consisting of coat and skirt. No. 122,722; Sept. 10; v. 254; p. 446.
McNulty, John J., M. D., New York, N. Y. Pharmaceutical preparation. No. 123,837; Dec. 10; v. 257; p. 405.
McPheeters, Adam A., Ajo, Ariz. Coating compound in the nature of a paste or plaster. No. 123,467; Nov. 12; v. 256; p. 448.
McQuay-Norris Mfg. Co., St. Louis, Mo. Engine, pump, and compressor oil-rings made of metal. Nos. 120,757–8; Mar. 5; v. 248; p. 231.
Mead Pulp and Paper Co., The, Dayton, Ohio. Print-paper in sheet form. No. 120,988; Mar. 19; v. 248; p. 764.
Meader, Louis J., New York, N. Y. Stock feed. No. 120,606; Feb. 19; v. 247; p. 743.
Meader, Louis J., New York, N. Y. Stock feed. No. 120,683; Feb. 26; v. 247; p. 962.
Mechanical Rubber Company, The, New York, N. Y., Chicago, Ill., and Cleveland, Ohio. Rubber toys. Nos. 122,724–5; Sept. 10; v. 254; p. 447.
Meier-Andres Belting Co., Newark, N. J. Leather belting. No. 120,509; Feb. 12; v. 247; p. 476.
Mellor, George, Philadelphia, Pa. Combination-tool for cleaning spark-plugs. No. 124,022; Dec. 31; v. 257; p. 1077.
Meloche, Daniel H., Detroit, Mich. Headache-tablets. No. 122,089; June 25; v. 251; p. 836.
Memminger, Henry E., Lakeland, Fla. Fertilizer. No. 120,140; Jan. 8; v. 246; p. 565.
Mendelsohn, Mendel R., East Orange, N. J. Tonic for diseases of the nerves, anemia, &c. No. 123,468; Nov. 12; v. 256; p. 448.
Mendleson Corporation, New York and Albany, N. Y. Caustic soda. No. 123,944; Dec. 24; v. 257; p. 813.
Menopad Mfg. Co., The, Providence, R. I. Sanitary and absorptive pads and bandages. No. 120,277; Jan. 29; v. 246; p. 1200.
Mentho-Listine Chemical Co., Houston, Tex. Mouth-wash and tooth-paste. No. 122,386; July 30; v. 252; p. 1139.
Mercian, Joseph H., New York, N. Y. Canned or preserved fish. No. 122,090; June 25; v. 251; p. 836.
Mercian, Joseph H., New York, N. Y. Canned or preserved fish and peppers. No. 122,091; June 25; v. 251; p. 836.
Mercian, Joseph H., New York, N. Y. Canned or preserved fish. No. 122,092; June 25; v. 251; p. 836.
Merck & Co., New York, N. Y. Insecticides. No. 120,141; Jan. 8; v. 246; p. 565.
Merck & Co., New York, N. Y. Solution of hydrogen peroxid. No. 120,142; Jan. 8; v. 246; p. 565.
Meritas Mills, North Highland, near Columbus, Ga. Cotton piece goods. No. 121,801; May 28; v. 250; p. 994.
Merry Optical Company, Kansas City, Mo. Goggles. No. 122,522; Aug. 20; v. 253; p. 744.
Metal Hose & Tubing Co., Brooklyn, N. Y. Fabric-covered rubber hose with metal lining. No. 122,898; Sept. 24; v. 254; p. 863.
Metal Specialty Mfg. Co., The, Waterbury, Conn. Steel bearing-balls. No. 120,989; Mar. 19; v. 248; p. 764.
Mettler, James M., Kalispell, Mont. Automobile and furniture polish. No. 123,145; Oct. 15; v. 255; p. 607.
Metzendorf, Sarah K., New York, N. Y. Babies' bibs. No. 122,033; June 18; v. 251; p. 672.
Meurer, John, Brooklyn, N. Y. Non-alcoholic, effervescent flavored beverage sold as a soft drink. No. 122,653; Sept. 3; v. 254; p. 221.
Meyer Bros. Coffee and Spice Co., St. Louis, Mo. Roasted coffee. No. 122,899; Sept. 24; v. 254; p. 863.
Meyer & Lange, New York, N. Y. Mustard. No. 121,921; June 11; v. 251; p. 459.
Micca, Domenico L., West Hoboken, N. J. Salve for treatment of burns. No. 122,152; July 2; v. 252; p. 242.
Mich. Smelting & Refining Co., Detroit, Mich. Ingot bronze and brass. No. 120,765; Mar. 5; v. 248; p. 231.
Michael, Benjamin F., Laceyville, Pa. Medicinal preparations for relief of certain named conditions. No. 122,511; Aug. 20; v. 253; p. 744.
Michael, John M., Aberdeen, Md. Canned vegetables. No. 123,737; Dec. 3; v. 257; p. 188.
Michel Co., C. & J., La Crosse, Wis. Non-alcoholic maltless beverage sold as a soft drink. No. 120,607; Feb. 19; v. 247; p. 743.
Michener, Vernon H., D. D. S., Fostoria, Ohio. Preparation for the treatment of pyorrhea. No. 123,843; Dec. 10; v. 257; p. 405.
Mid-West Manufacturing Company, Sioux Falls, S. D. Automobile dolly-jacks. No. 122,331; July 23; v. 252; p. 958.
Middle West Products Company, The, Joplin, Mo. Non-alcoholic maltless beverage sold as a soft drink. No. 120,608; Feb. 19; v. 247; p. 743.
Midland Milling Company, The, Kansas City, Mo., assignor to Midland Milling Company. Wheat-flour. No. 120,278; Jan. 29; v. 246; p. 1200.
Midland Milling Company, Kansas City, Mo. Wheat-flour. No. 121,133; Apr. 9; v. 249; p. 503.
Mifflin Chemical Corporation, Philadelphia, Pa. Core-binder and mold-wash for use in foundry practice. Nos. 123,738–9; Dec. 3; v. 257; p. 188.
Migel, J. A., New York, N. Y. Broad silks in the piece. No. 121,800; May 28; v. 250; p. 994.
Migliaccio, Ginevra, New York, N. Y. Candy. No. 120,037; Jan. 1; v. 246; p. 298.

Alphabetical list of registrants of trade-marks—Continued.

Mihalovitch Brothers Company. (See Lorenz Company, assignor.)
Mihalovitch Co., The, Cincinnati, Ohio. Non-intoxicating beverage sold as a soft drink. No. 122,509; Aug. 13; v. 253; p. 509.
Mihalovitch Co., The, Cincinnati, Ohio. Non-intoxicating non-alcoholic sugar maltless beverage. No. 122,651; Sept. 3; v. 254; p. 221.
Mila Manufacturing Co. (See McNaughton, Lillian, assignor.)
Milburn Wagon Company, The, Toledo, Ohio. Farm and business and delivery wagons and automobiles, both passenger and commercial. No. 120,038; Jan. 1; v. 246; p. 298.
Miles, Henry D., Butte, Mont. Foot-lotion for sore, tired, or aching feet. No. 123,469; Nov. 12; v. 256; p. 448.
Milkolate Company, The, Cleveland, Ohio. Food beverage containing a special preparation of milk. No. 122,512; Aug. 20; v. 253; p. 744.
Millard Corporation, New York, N. Y. Medicine for constipation and auto-intoxication. No. 124,023; Dec. 31; v. 257; p. 1077.
Miller Brothers, Logan township, Huntingdon county, and Petersburg, Pa. Particular brand of pure pork sausage. No. 120,684; Feb. 26; v. 247; p. 962.
Miller Cigar Co., The, Wheeling, W. Va., and Beallsville and Woodsfield, Ohio. Cigars. No. 123,054; Oct. 8; v. 255; p. 362.
No. 123,034; Oct. 8; v. 255; p. 362.
Miller, Frank R., Rosalia, Wash. Liquid preparation to be used in the destruction of bacteria. No. 120,766; Mar. 5; v. 248; p. 231.
Miller & McLean, New York, N. Y. Anti-acid paint. No. 124,024; Dec. 31; v. 257; p. 1077.
Miller, Rinear, Compton, Ill. Compound for use in treating tuberculosis. No. 123,372; Oct. 29; v. 255; p. 1050.
Miller Rubber Company, The, Akron, Ohio. Tube-repair kits. No. 122,513; Aug. 20; v. 253; p. 744.
Miller, Samuel, Brooklyn, N. Y. Mayonnaise, jellies, peanut-butter, &c. No. 121,314; Apr. 23; v. 249; p. 981.
Mills, Felix, Haskell, Okla. Blood-tonic. No. 122,332; July 23; v. 252; p. 958.
Millville Manufacturing Company, The, Philadelphia, Pa. Hemmed diapers. No. 121,198; Apr. 16; v. 249; p. 736.
Milton Bradley Company, Springfield, Mass. Outfits of paper pictures and designs. No. 120,610; Feb. 19; v. 247; p. 743.
Milton Bradley Co., Springfield, Mass. Toy knitters and outfits of sewing-cards. No. 120,764; Mar. 5; v. 248; p. 231.
Milton Bradley Co., Springfield, Mass. Games and outfits of toy soldiers and pistols. No. 121,540; May 7; v. 250; p. 251.
Milton Bradley Co., Springfield, Mass. Card games. No. 122,303; July 23; v. 252; p. 957.
Milton Bradley Co., Springfield, Mass. Table board games. No. 122,726; Sept. 10; v. 254; p. 447.
Milwaukee Production Company, Milwaukee, Wis. Stove-polish. No. 123,741; Dec. 3; v. 257; p. 188.
Milwaukee-Waukesha Brewing Corporation, Waukesha, Wis. Non-intoxicating cereal beverage. No. 123,373; Oct. 29; v. 255; p. 1051.
Minard's Liniment Manufacturing Company, Framingham, Mass. Cleansing and polishing preparation for automobile-bodies, furniture, &c. No. 122,804; Sept. 17; v. 254; p. 652.
Mineral Refining and Chemical Corporation, New York, N. Y. Pigments for paints. No. 120,412; Feb. 5; v. 247; p. 240.
Mingot, Victor, New York, N. Y. Ladies' hand-bags. No. 123,374; Oct. 29; v. 255; p. 1051.
Minium, Abram E., Denver, Colo. Certain named plastic compositions. No. 122,727; Sept. 10; v. 254; p. 447.
Minneapolis Brewing Company, Minneapolis, Minn. Non-alcoholic cereal beverage containing malt. No. 122,900; Sept. 24; v. 254; p. 863.
Minnis, George F., Chicago, Ill. Window-washers' safety devices. No. 120,510; Feb. 12; v. 247; p. 476.
Minty, Albert, London, England. Toilet creams. No. 121,315; Apr. 23; v. 249; p. 981.
Minute Auto Wheel Company, The, Georgetown, Ky. Automobile-wheels. No. 120,611; Feb. 19; v. 247; p. 743.
Mitchell Bros. Company, Chicago, Ill. Women's shirt-waists. No. 123,259; Oct. 22; v. 255; p. 825.
Mittelstaedt, Emma T., New York, N. Y. Silk hair-nets. No. 120,617; Feb. 19; v. 247; p. 743.
Mittelstaedt, Emma T., New York, N. Y. Hair-nets. Nos. 121,802–4; May 28; v. 250; pp. 994–5.
Mittelstaedt, Emma T., New York, N. Y. Hair-nets. No. 121,807; May 28; v. 250; p. 995.
Mittelstaedt, Emma T., New York, N. Y. Hair-nets. Nos. 122,281–2; July 16; v. 252; p. 742.
Moco Laboratories, Oklahoma, Okla. Patches for the inner tubes and casings of pneumatic tires. No. 120,205; Jan. 15; v. 246; p. 820.
Modern Drug & Commercial Co. Inc., New York, N. Y. Artificially-prepared medicinal water. No. 121,085; Apr. 2; v. 249; p. 232.
Modern Typewriter Supply Co., St. Louis, Mo. Carbon-paper. No. 121,808; May 28; v. 250; p. 995.
Mohawk Rubber Co., The, Akron, Ohio. Rubber tires. No. 121,805; May 28; v. 250; p. 995.
Monarch Brush Co., The, Troy, N. Y. Hair-brushes. No. 120,767; Mar. 5; v. 248; p. 231.
Monarch Manufacturing Company, Council Bluffs, Iowa, and Toledo, Ohio. Spark-plugs. No. 122,805; Sept. 17; v. 254; p. 652.
Monnier, Ernest, Boston, Mass. Nipples or teats for use with milk and nursing bottles for infants. Nos. 120,612–15; Feb. 19; v. 247; p. 743.
Monroe Cheese Co., The, Monroe, N. Y. Cheese. No. 122,603; Aug. 27; v. 253; p. 950.
Monroe, Lizzie, San Francisco, Cal. Tapeworm remedy. No. 120,206; Jan. 15; v. 246; p. 820.
Montana Oil Co., Helena, Mont. Gasolene, kerosene, and lubricating-oil. No. 121,922; June 11; v. 251; p. 459.
Montauk Paint Manufacturing Company, Brooklyn, N. Y. Prepared gold, aluminum, and enamel paints, stovepipe-enamels, and screen-varnishes. No. 122,333; July 23; v. 252; p. 958.
Montelaise Mercantile Co., The, Detroit, Mich. Non-alcoholic maltless beverage sold as a soft drink. No. 123,470; Nov. 12; v. 256; p. 448.
Montelaise Mercantile Co., Detroit, Mich. Non-intoxicating fruit beverages. No. 124,025; Dec. 31; v. 257; p. 1077.
Montgomery Brothers Inc., Philadelphia, Pa. Certain named water and steam hose. No. 120,143; Jan. 8; v. 246; p. 565.
Moore Push Pin Company, Philadelphia, Pa. Push-pins and thumb-tacks. No. 121,638; May 14; v. 250; p. 511.
Moore Sons, Edward J., New York, N. Y. Capsules for diseases of the urinary organs and bladder. No. 121,561; May 7; v. 250; p. 251.
Moore, Walter G., Chicago, Ill. Metal-working machines and tools and accessories. No. 124,026; Dec. 31; v. 257; p. 1077.
Moorhead Knitting Company, Harrisburg, Pa. Hosiery. No. 122,224; July 9; v. 252; p. 500.
Moos, Isidor, New York, N. Y. Sardines. Nos. 121,079–84; Apr. 2; v. 249; p. 232.
Morales, Andrés, Malaga, Spain. Aguardiente, (brandies and whiskies.) No. 122,728; Sept. 10; v. 254; p. 447.
Moran, Katherine, New York, N. Y. Ladies' and misses' suits and coats. No. 121,472; Apr. 30; v. 249; p. 1219.
Moray, George E., New York, N. Y. Powder for sore, tired, aching feet. No. 121,722; May 21; v. 250; p. 764.
Morell Manufacturing Company, The, Denver, Colo. Soaps in paste, powder, cake, or liquid form. No. 122,280; July 16; v. 252; p. 742.
Morey Bros., Evanston, Ill. Washing-powder. No. 122,283; July 16; v. 252; p. 742.
Morey Mercantile Company, The, Denver, Colo. Certain named foods. No. 121,473; Apr. 30; v. 249; p. 1219.
Morey Mercantile Company, The, Denver, Colo. Cereal breakfast food, popcorn, citron, lemon, and orange peels. No. 122,514; Aug. 20; v. 253; p. 744.
Morgan, F. R., Chicago, Ill. Newspaper comic drawings. No. 123,845; Dec. 10; v. 257; p. 405.
Morimura Bros., New York, N. Y. Toy tea sets. No. 123,742; Dec. 3; v. 257; p. 188.
Morley Manufacturing Company, Portland, Me., and Boston, Mass. Non-metallic buttons. No. 123,743; Dec. 3; v. 257; p. 188.
Morris & Company, Chicago, Ill. Certain named foods. No. 120,990; Mar. 19; v. 248; p. 765.
Morris & Company, Chicago, Ill. Vegetable shortening. No. 123,260; Oct. 22; v. 255; p. 825.
Morris & Company, Incorporated, Baltimore, Md. Cotton, linen, silk, and woolen piece goods and admixtures of same. No. 121,474; Apr. 30; v. 249; p. 1219.
Moseley & Co., Inc., Needham, Mass. Knit garments, including underwear, sweaters, &c. No. 120,991; Mar. 19; v. 248; p. 765.
Moseley, William M., Belleville, Ala. Preparation for the treatment of pellagra. No. 123,846; Dec. 10; v. 257; p. 405.
Moskowitz, David, Philadelphia, Pa. Preparation for extermination of rats. No. 120,139; Jan. 8; v. 246; p. 565.
Motor Parts Company, Philadelphia, Pa.; Boston and Springfield, Mass., and Buffalo, N. Y. Certain named electrical apparatus. No. 120,768; Mar. 5; v. 248; p. 231.
Motorlife Manufacturing Co., Memphis, Tenn. Preparation for increasing efficiency of gasolene and removing and preventing deposit of carbon. No. 123,627; Nov. 19; v. 256; p. 642.
Mount Royal Corporation, New York, N. Y. Military insignia. No. 123,375; Oct. 29; v. 255; p. 1051.
Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton duck, Nos. 121,475–6; Apr. 30; v. 249; p. 1219.
Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton duck. No. 121,806; May 28; v. 250; p. 995.

Alphabetical list of registrants of trade-marks—Continued.

Mountford, Alfred, New York, N. Y. Preparation for the treatment of rheumatism. No. 121,923; June 11; v. 251; p. 459.
Moyer, Harry W., Fullerton, Pa. Preparation and a liniment for the treatment of corns, rheumatism, &c. No. 120,207; Jan. 15; v. 246; p. 820.
Mudge & Company, Chicago, Ill. Motor-cars. No. 123,261; Oct. 22; v. 255; p. 825.
Mudge & Company, Chicago, Ill. Catalogues, circulars, blue-prints, drawings, folders. No. 123,847; Dec. 10; v. 257; p. 405.
Mueller Brothers Art and Manufacturing Company, Chicago, Ill. Framed pictures, art and novelty calendars, pictures. No. 121,639; May 14; v. 250; p. 511.
Muessel Brewing Co., South Bend, Ind. Non-intoxicating beverage of a malt nature. No. 121,135; Apr. 9; v. 249; p. 503.
Multi Refillable Fuse Company, assignor to Multi Electrical Manufacturing Company, Chicago, Ill. Electric fuses, fuse plugs, elements, wire, &c. No. 122,806; Sept. 17; v. 254; p. 652.
Multikraft Incorporated, Rochester, N. Y. Certain named games and toys. No. 123,055; Oct. 8; v. 255; p. 362.
Multikraft Incorporated, Rochester, N. Y. Certain named furniture. No. 120,511; Feb. 12; v. 247; p. 476.
Multikraft Incorporated, Rochester, N. Y. Games and toys. No. 121,199; Apr. 16; v. 249; p. 736.
Murphy, Eugene J., Los Angeles, Cal. Negligée and dress shirts. No. 121,086; Apr. 2; v. 249; p. 232.
Murphy Varnish Company, Newark, N. J. Varnishes, enamels, varnish-stains. No. 121,924; June 11; v. 251; p. 459.
Musical Blue Book Corporation, The, New York, N. Y. Blocks for use in teaching music. No. 120,616; Feb. 19; v. 248; p. 743.
Mutual Druggists Association, Philadelphia, Pa. Corn remedy. No. 123,945; Dec. 24; v. 257; p. 856.
Mutual Export & Import Corp., New York, N. Y. Moving-picture films. No. 120,208; Jan. 15; v. 246; p. 820.
Mutual Film Corporation, Richmond, Va., and Chicago, Ill. Motion-picture films. No. 122,807; Sept. 17; v. 254; p. 652.
Myers, David C., Hughesville, Pa. Salves for treating certain named affections of man and horse. No. 122,334; July 23; v. 252; p. 958.
Myers, M. Lilian, Atlantic City, N. J. Preparations for treatment of neuralgia, rheumatism, malaria. No. 123,056; Oct. 8; v. 255; p. 362.
Myers, Mary E., Rochester, N. Y. Writing, printing, and wrapping paper. No. 122,515; Aug. 20; v. 253; p. 744.
Mystic Order of Veiled Prophets of the Enchanted Realm, Hamilton, N. Y. Certain named prints and publications. Nos. 123,848–50; Dec. 10; v. 257; p. 405.
N. Erlanger, Blumgart & Co., New York, N. Y. Linen, cotton, silk, and mixed piece goods. No. 120,856; Mar. 12; v. 248; p. 496.
N. K. Fairbank Company, The, Union township, near Guttenberg, N. J., and Chicago, Ill. Soap. No. 120,087; Jan. 8; v. 246; p. 564.
N. K. Fairbank Company, The, Union township, near Guttenberg, N. J., and Chicago, Ill. Scouring compound. No. 120,088; Jan. 8; v. 246; p. 564.
N. K. Fairbank Company, The, Union township, near Guttenberg, N. J., and Chicago, Ill. Vegetable-oil product for salads and cooking. No. 121,769; May 28; v. 250; p. 993.
N. K. Fairbank Company, The, Union township, near Guttenberg, N. J., and Chicago, Ill. Vegetable-oil product for salads and cooking. No. 122,017; June 18; v. 251; p. 671.
N. K. Fairbank Company, The, Union township, near Guttenberg, N. J., and Chicago, Ill. Cleansing or scouring compound. No. 123,703; Dec. 3; v. 257; p. 187.
Nafziger, Ralph L., Kansas City, Mo. Bread. No. 120,876; Mar. 12; v. 248; p. 497.
Nash Motors Company, The, Kenosha, Wis. Automobiles. No. 121,477; Apr. 30; v. 249; p. 1219.
Nash Motors Company, The, Kenosha, Wis. Automobiles and motor-trucks. No. 122,093; June 25; v. 251; p. 836.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Gummed paper-box stays. No. 123,471; Nov. 12; v. 256; p. 449.
Nathan, Jacob, Dorchester, Mass. Safety-pocket and heart or body protector. No. 123,262; Oct. 22; v. 255; p. 825.
Nathan Krauskopf Company, New York, N. Y. Infants and children's dresses and children's underskirts and combination-undersuits of textile material. No. 121,070; Apr. 2; v. 249; p. 232.
National Aluminum Works, Elmira, N. Y. Coffee-pots. No. 122,516; Aug. 20; v. 253; p. 744.
National Aluminum Works, Elmira, N. Y. Coffee-pots. No. 123,148; Oct. 15; v. 255; p. 607.
National Aniline & Chemical Company, Inc., New York, N. Y. Coal-tar dyestuffs. No. 123,946; Dec. 24; v. 257; p. 813.
National Army News Company, The, St. Louis, Mo. Fortnightly periodical. No. 121,200; Apr. 16; v. 249; p. 736.
National Automatic Door Company, Chicago, Ill. Automatic doors. No. 120,209; Jan. 15; v. 246; p. 820.
National Bank of Commerce in St. Louis, St. Louis, Mo. Printed booklets or pamphlets and circulars. No. 122,094; June 25; v. 251; p. 836.
National Benefit League, Inc., The, New York, N. Y. Antiseptic cleanser and disinfectant. No. 121,087; Apr. 2; v. 249; p. 232.
National Billiard Supply Corporation, Chicago, Ill. Billiard-chalk. No. 121,925; June 11; v. 251; p. 459.
National Builders Company, The, Cleveland, Ohio. Metallic hardeners for concrete. No. 122,034; June 18; v. 251; p. 672.
National Builders Company, The, Cleveland, Ohio. Liquid hardeners for cement surfaces. No. 123,629; Nov. 19; v. 256; p. 642.
National Carbon Company, Inc., Cleveland, Ohio. Electric batteries. No. 121,640; May 14; v. 250; p. 511.
National Casket Company, New York, N. Y. Burial-caskets, outside cases for same, and inner caskets to be placed within the burial-caskets. No. 120,210; Jan. 15; v. 246; p. 820.
National Casket Company, New York, N. Y. Burial suits, dresses and robes. No. 120,618; Feb. 19; v. 247; p. 743.
National Casket Company, New York, N. Y. Casket hardware. No. 121,478; Apr. 30; v. 249; p. 1220.
National Casket Company, New York, N. Y. Casket linings and pillows. No. 121,926; June 11; v. 251; p. 459.
National Chemical Co., The, Detroit, Mich. Chemical compound for removing, eliminating, or destroying soot in stoves, furnaces, &c. No. 122,731; Sept. 10; v. 254; p. 447.
National Cloak & Suit Co., New York, N. Y. Hosiery. No. 120,769; Mar. 5; v. 248; p. 231.
National Dollar Shirt Shops, Inc., New York, N. Y. Periodical publication. No. 121,479; Apr. 30; v. 249; p. 1220.
National Druggists Syndicate, Incorporated, Pittsburgh, Pa. Tonic medicine for the stomach and liver. No. 123,851; Dec. 10; v. 257; p. 405.
National Enameling & Stamping Co., New York, N. Y. Certain named tinware. No. 123,630; Nov. 19; v. 256; p. 642.
National Fireworks Distributing Co., The, Boston, Mass. Toy torpedo consisting of a mass of pyrotechnic composition. No. 122,225; July 9; v. 252; p. 500.
National Fruit Product Company, Inc., Alexandria, Va. Apple cider. No. 121,723; May 21; v. 250; p. 764.
National Independent Fisheries Co., Seattle, Wash. Canned salmon. No. 121,317; Apr. 23; v. 249; p. 981.
National Joint-Limb Doll Co. Inc., New York, N. Y. Dolls, doll toys, and doll novelties. No. 123,057; Oct. 8; v. 255; p. 362.
National Lead Company, New York, N. Y. Solder and bearing metals. No. 120,770; Mar. 5; v. 248; p. 231.
National Lead Company, New York, N. Y. Red lead. No. 121,318; Apr. 23; v. 249; p. 981.
National Lead Company, New York, N. Y. Linseed-oil. No. 121,319; Apr. 23; v. 249; p. 981.
National Milk Sugar Company, New York, N. Y. Milk-sugar. No. 124,028; Dec. 31; v. 257; p. 1077.
National Oil Products Co., Harrison, N. J. Soluble oils and soluble-oil bases, sulfonated, cutting, and drawing oils for lubricating purposes. No. 121,927; June 11; v. 251; p. 459.
National Paint & Varnish Company, Cleveland, Ohio. Interior paints. No. 121,641; May 14; v. 250; p. 511.
National Plant Food Co., Eau Claire, Wis. Plant-soap, an insecticide. No. 122,732; Sept. 10; v. 254; p. 447.
National Supply Company, The, Toledo, Ohio. Certain named hardware and plumbing and steam-fitting supplies. No. 120,992; Mar. 19; v. 248; p. 765.
National Supply Company, The, Toledo, Ohio. Certain named cutlery, machinery, and tools, and parts thereof. No. 121,320; Apr. 23; v. 249; p. 981.
National Supply Company, The, Toledo, Ohio. Certain named metals and metal castings and forgings. No. 121,642; May 14; v. 250; p. 511.
National Water Main Cleaning Co., New York, N. Y. Machines for cleaning water-mains and boiler-tubes. No. 122,517; Aug. 20; v. 253; p. 744.
National Wire Wheel Works, Inc., Geneva, N. Y. Load-carrying wheels for vehicles. No. 121,809; May 28; v. 250; p. 995.
Natrona Tobacco Co., Philadelphia, Pa. Cigars, cigarettes, and manufactured tobacco. No. 122,604; Aug. 27; v. 253; p. 950.
Natural Soda Products Company, Keeler, Cal. Soda-ash and bicarbonate of soda. No. 120,145; Jan. 8; v. 246; p. 565.
Naumburg & Co., M. & W., New York, N. Y. Coats and overcoats. No. 121,928; June 11; v. 251; p. 459.
Nebeling, Edmund R., New York, N. Y. Bracelets, watch-bracelet clasps, &c. No. 123,472; Nov. 12; v. 256; p. 449.
Nelson Baker & Company, Detroit, Mich. Face and talcum powders. No. 123,473; Nov. 12; v. 256; p. 449.
Nelson Bros. Co., Saginaw, Mich. Internal-combustion engines. No. 121,930; June 11; v. 251; p. 459.

Alphabetical list of registrants of trade-marks—Continued.

Nelson, Carl W., Chicago, Ill. Butter. No. 121,810; May 28; v. 250; p. 995.
Nelson, Paul, Portage borough, Pa. Ice-cream. No. 122,605; Aug. 27; v. 253; p. 950.
Nelson, R. H., Missoula, Mont. Dentifrice. No. 121,929; June 11; v. 251; p. 459.
Neosho Grocery Co., The, Neosho, Mo. Canned fruits and vegetables, rolled oats, rice, and tea. No. 123,631; Nov. 19; v. 256; p. 642.
Neptune Sea Food Company, San Diego, Cal. Canned sardines. Nos. 121,931–3; June 11; v. 251; p. 459.
Neptune Sea Food Company, San Diego, Cal. Canned sardines. No. 122,095; June 25; v. 251; p. 836.
Nereim, Sommer & Milkes, Inc., Chicago, Ill. Silk piece goods. No. 122,387; July 30; v. 252; p. 1139.
Neuss, Hesslein & Co., New York, N. Y. Woven cotton piece goods. No. 121,480; Apr. 30; v. 249; p. 1220.
Never-Tel Laboratories Company, Kansas City, Mo. Hair-dye. No. 122,096; June 25; v. 251; p. 836.
Never-Tel Laboratories Company, Kansas City, Mo. Dandruff remedy. No. 123,376; Oct. 29; v. 255; p. 1051.
New Century Company of Michigan, The, Detroit, Mich. Wheat-flour. No. 121,321; Apr. 23; v. 249; p. 981.
New England Brewing Company, Jersey City, N. J., and Boston, Mass. Non-alcoholic cereal beverage. No. 121,088; Apr. 2; v. 249; p. 232.
New England Brewing Company, Jersey City, N. J., and Boston, Mass. Certain chemicals, medicines, and pharmaceutical preparations. No. 121,934; June 11; v. 251; p. 459.
New England Tank & Tower Company, Everett, Mass. Wire-pickling and water tanks. No. 123,474; Nov. 12; v. 256; p. 449.
New England Yarn Company, The, Attleboro, Mass. Yarns. No. 120,512; Feb. 12; v. 247; p. 476.
New Era Manufacturing Company, The, St. Louis, Mo. Boys' shirts and waists. No. 120,146; Jan. 8; v. 246; p. 566.
New Orleans Coffee Co. Ltd., New Orleans, La. Molasses, sorghums, cane and maple syrups, and compounds thereof. No. 121,643; May 14; v. 250; p. 511.
New Orleans Coffee Co. Ltd., New Orleans, La. Compound of sorghum and corn-syrup. No. 122,097; June 25; v. 251; p. 836.
New Process Chemical Co. Inc., New York, N. Y. Structural cements, waterproofing and marine cement, and flashings. No. 120,771; Mar. 5; v. 248; p. 231.
New Process Chemical Co., Inc., New York, N. Y. Ready-mixed paints. No. 123,149; Oct. 15; v. 255; p. 607.
New Process Metals Co., Inc., New York, N. Y. Pyrophoric or sparking metal alloys. No. 123,150; Oct. 15; v. 255; p. 607.
New York Gas & Electric Appliance Co., New York, N. Y. Certain named electrical apparatus, machines, and supplies. No. 121,644; May 14; v. 250; p. 511.
New York Kaolin Manufacturing Co. Inc., New York, N. Y. Medicinal preparation used locally in the treatment of certain named diseases. No. 121,089; Apr. 2; v. 249; p. 232.
New York Oversea Co. Inc., New York, N. Y. Sardines, No. 120,878; Mar. 12; v. 248; p. 497.
Newmark, Samuel M., Los Angeles, Cal. Coffee. No. 121,322; Apr. 23; v. 249; p. 981.
Newport Chemical Works, Incorporated, Portland, Me., and Milwaukee, Wis. Certain named chemicals. No. 122,980; Oct. 1; v. 255; p. 158.
Newport Rolling Mill Company, The, Newport, Ky. Certain named construction materials. No. 120,619; Feb. 19; v. 247; p. 743.
Newport Rolling Mill Company, The, Newport, Ky. Certain named hardware and plumbing and steam-fitting supplies. No. 120,995; Mar. 19; v. 248; p. 765.
Newport Rolling Mill Company, The, Newport, Ky. Corrugated and plain metal sheets. No. 1,284,475; Nov. 12; v. 256; p. 449.
Niagara Falls Knitting Company, Inc., Niagara Falls, N. Y. Sweaters, sweater coats and vests. No. 120,772; Mar. 5; v. 248; p. 231.
Nickell, Arthur C., Jr., Waukesha, Wis. Soy-bean flour. No. 120,879; Mar. 12; v. 248; p. 497.
Nicotine Mfg. Co., St. Louis, Mo. Insecticide used for destroying insects. No. 120,279; Jan. 29; v. 246; p. 1200.
Nielsen, Peter, Seattle, Wash. Salves and ointments for fever-sores, chapped hands, cuts, &c. No. 122,098; June 25; v. 251; p. 836.
Nieuwhof, Surie & Co. Ltd., London, England. Casein derivative to be used in the manufacture of ply-wood. No. 123,744; Dec. 3; v. 257; p. 188.
Nihon Jochugiku Kaisha, Ltd., Minato, Wakayama Ken, Japan. Preparations for keeping off, driving away, or killing insects. No. 120,620; Feb. 19; v. 247; p. 743.
Nilson Tractor Company, Minneapolis, Minn. Tractors. No. 124,030; Dec. 31; v. 257; p. 1077.
Nirenberg & Salzman, New York, N. Y. Negligée, dress, and work shirts, collars, &c. No. 120,621; Feb. 19; v. 247; p. 743.
No Name Hat Manufacturing Company, Orange, N. J., and New York, N. Y. Soft and stiff fur-felt hats. No. 122,035; June 18; v. 251; p. 672.
Noglare Auto Lens Co., Portland, Oreg. Lenses for automobile-lamps. No. 120,685; Feb. 26; v. 247; p. 962.
Nonotuck Silk Company, Northampton, Mass. Thread and yarn made of silk, cotton, or wool. No. 120,211; Jan. 15; v. 246; p. 820.
Nonotuck Silk Company, Northampton, Mass. Woolen and worsted yarns. No. 121,201; Apr. 16; v. 249; p. 736.
Nonotuck Silk Company, Northampton, Mass. Woolen and worsted yarns. No. 122,981–2; v. 255; p. 158.
Nordyke & Marmon Company, Indianapolis, Ind. Automobiles. No. 123,919; Dec. 17; v. 257; p. 644.
North American Electric Lamp Company, St. Louis, Mo. Electric-incandescent-light bulbs. No. 122,808; Sept. 17; v. 254; p. 652.
North British Rubber Co., The, Ltd., Edinburgh, Scotland. Golf-balls. No. 121,935; June 11; v. 251; p. 459.
North British Rubber Company, Ltd., Edinburgh, Scotland. Golf-balls. No. 123,378; Oct. 29; v. 255; p. 1051.
North British Rubber Company, Ltd., Edinburgh, Scotland. Golf-balls. No. 123,476; Nov. 12; v. 256; p. 449.
North Brothers & Company, Baltimore, Md. Dress and negligée shirts. No. 120,513; Feb. 12; v. 247; p. 476.
North & Judd M'f'g Co., New Britain, Conn. Roller-buckles. No. 122,335; July 23; v. 252; p. 958.
North Manchester Milling Co., North Manchester, Ind. Wheat-flour. No. 121,645; May 14; v. 250; p. 511.
North Ontario Packing Company, Los Angeles, Cal. Non-alcoholic orange-juice beverage sold as a soft drink. No. 122,901; Sept. 24; v. 254; p. 863.
North Ontario Packing Co., Los Angeles, Cal. Orange marmalade and jelly. No. 124,031; Dec. 31; v. 257; p. 1077.
North Shore Creamery Company, Evanston, Ill. Cottage-cheese, peanut-butter, and mustard. No. 120,880; Mar. 12; v. 248; p. 497.
North Star Woolen Mill Co., Minneapolis, Minn. Blankets and for blanketings, flannels, and cassimeres classed as piece goods. No. 120,773; Mar. 5; v. 248; p. 231.
Northern Chemical Co. of Michigan, Detroit, Mich. Soot destroyer and remover. No. 122,388; July 30; v. 252; p. 1139.
Northern Cocoanut-Butter Company, Minneapolis, Minn. Oleomargarin. No. 122,606; Aug. 27; v. 253; p. 950.
Northern Equipment Company, Erie, Pa. Feed-water regulators and pump-governors. No. 124,032; Dec. 31; v. 257; p. 1077.
Northern Fruit Company, Wenatchee, Wash. Fresh apples. No. 121,811; May 28; v. 250; p. 995.
Northern Wood Products Company, Glidden, Wis. Broom-handles. No. 123,632; Nov. 19; v. 256; p. 642.
Northrup, William G., Lawrence, Mass., and Minneapolis, Minn. Germ-destroyer, deodorizer, and disinfectant. No. 123,477; Nov. 12; v. 256; p. 449.
Northwestern Chemical Co., The, Marietta, Ohio. Monthly publication. No. 122,153; July 2; v. 252; p. 242.
Northwestern Chemical Company, The, Marietta, Ohio. Antifreezing compound for automobile-radiators. No. 123,745; Dec. 3; v. 257; p. 189.
Northwestern Electric Equipment Company, St. Paul, Minn. Periodical or magazine published monthly. No. 120,686; Feb. 26; v. 247; p. 962.
Northwestern Fruit Exchange, Seattle, Wash. Candied apples, strawberries, pears, prunes, peaches, and apricots. No. 121,137; Apr. 9; v. 249; p. 503.
Northwestern Knitting Co., The, Minneapolis, Minn. Certain named knitted and woven underwear. No. 120,993; Mar. 19; v. 248; p. 765.
Norton Company, Worcester, Mass. Monthly publication. No. 120,881; Mar. 12; v. 248; p. 497.
Norton Company, Worcester, Mass. Substantially pure aluminum oxid of various degrees of purity for certain named purposes. No. 120,882; Mar. 12; v. 248; p. 497.
Norton Company, Worcester, Mass. Heat-refractory tubes, rods, cores, bricks, &c. No. 121,323; Apr. 23; v. 249; p. 981.
Norton Company, Worcester, Mass. Certain named abrasive, detergent, and polishing materials. No. 121,482; Apr. 30; v. 249; p. 1220.
Nourse, John C., Kansas City Mo. Lubricating-oils. No. 120,414; Feb. 5; v. 247; p. 240.
Novelty Candy Co., Chicago, Ill. Candy. No. 121,562; May 7; v. 250; p. 252.
Novelty Man'f'g Co., Waterbury, Conn. Certain named bath-room fittings. No. 124,033; Dec. 31; v. 257; p. 1077.
Nozaki Brothers and Co., Yokohama, Japan. Heel-plates. No. 120,415; Feb. 5; v. 247; p. 240.
Nozaki Brothers and Co., Yokahoma, Japan. Canned crabs. No. 120,687; Feb. 26; v. 247; p. 962.
Nu-Jene Toilet Co., Minneapolis, Minn. Certain named toilet preparations. No. 123,379; Oct. 29; v. 255; p. 1051.
Nucoa Butter Company, New York, N. Y., and Soho, N. J. Nut margarin. No. 120,883; Mar. 12; v. 248; p. 497.
Nulite Polish Company, Inc., Brooklyn, N. Y. Buffing and polishing compositions. No. 121,483; Apr. 30; v. 249; p. 1220.
Nulomoline Company, The, New York, N. Y. Sugar-syrups. No. 122,983; Oct. 1; v. 255; p. 158.
Nut Grove Butter Company, Providence, R. I. Oleomargarin. No. 121,324; Apr. 23; v. 249; p. 981.

Alphabetical list of registrants of trade-marks—Continued.

Nya Aktiebolaget Terracotta, Mölndal, Sweden. Earthenware receptacles for perishable goods. No. 120,280; Jan. 29; v. 246; p. 1200.
Nysewander, David J., Toledo, Ohio. Composition for strengthening the hydrocarbons. No. 123,947; Dec. 24; v. 257; p. 813.
O. A. Nelson & Co., San Francisco, Cal. Canned pork and beans in tomato sauce. No. 120,877; Mar. 12; v. 248; p. 497.
O. T. Stacy Co., Rochester, N. Y. Candy. No. 123,287; Oct. 22; v. 255; p. 826.
O'Bannon Corporation, New York, N. Y. Leather or composition carriage-cloth. No. 123,264; Oct. 22; v. 255; p. 825.
O'Brien, Adelaide E., St. Louis, Mo. Roller antifriction devices in the nature of hardware for certain uses. No. 121,484; Apr. 30; v. 249; p. 1220.
O'Brien Varnish Co., The, South Bend, Ind. Enamel paint. No. 123,151; Oct. 15; v. 255; p. 607.
O'Callaghan & Fedden, New York, N. Y. Stockings. Nos. 120,281–2; Jan. 29; v. 246; p. 1200.
O'Malley, Andrew W., Wilkes-Barre, Pa. Preparation for the treatment of certain named ailments and diseases. No. 122,903; Sept. 24; v. 254; p. 863.
O'Malley, Andrew W., Wilkes-Barre, Pa. Preparation for the treatment of nose, throat, and lung diseases. No. 122,984; Oct. 1; v. 255; p. 158.
O'Sullivan Rubber Company, Portland, Me., and New York, N. Y. Rubber soles for boots and shoes. No. 122,037; June 18; v. 251; p. 672.
Oak City Drug Company, Inc., Tuscaloosa, Ala. Remedy for chills, fever, ague, malaria, &c. No. 121,812; May 28; v. 250; p. 995.
Oatman Condensed Milk Co., The, Dundee, Ill. Evaporated milk. No. 122,099; June 25; v. 251; p. 836.
Occidental Medicine Co., Arecibo, Porto Rico. Uterine and anemia tonics, eczema, skin, and ulcer ointment. No. 122,337; July 23; v. 252; p. 958.
Ocean Leather Co. Inc., The, New York, N. Y., and Newark, N. J. Tanned fish and mammal skins. No. 122,519; Aug. 20; v. 253; p. 744.
Ocean Leather Co., Inc., The, New York, N. Y., and Newark, N. J. Tanned fish and mammal skins. No. 123,265; Oct. 22; v. 255; p. 825.
Ogden-Utah Knitting Company, Ogden, Utah. Knitted underwear. No. 124,034; Dec. 31; v. 257; p. 1077.
Ohio Butterine Co., The, Cincinnati, Ohio. Oleomargarin. No. 122,809; Sept. 17; v. 254; p. 652.
Ohio Hydrate & Supply Company, The, Woodville, Ohio. Lime. No. 120,774; Mar. 5; v. 248; p. 231.
Ohio Hydrate & Supply Company, The, Woodville, Ohio. Lime. No. 121,485; Apr. 30; v. 249; p. 1220.
Ohio Steam Specialty Co., The, Cleveland, Ohio. Water-columns which carry the water-gage and try-cocks on steam-boilers. No. 121,936; June 11; v. 251; p. 459.
Okanogan Growers' Union, Okanogan, Wash. Fresh apples in boxes. No. 120,896; Mar. 12; v. 248; p. 497.
Oklahoma City Mill & Elevator Co., Oklahoma, Okla. Wheat-flour. No. 122,389; July 30; v. 252; p. 1139.
Oklahoma Oil & Auto Supply Co., Ardmore, Okla. Rubber patch for repairing inner tubes of pneumatic tires. No. 123,478; Nov. 12; v. 256; p. 449.
Old Town Ribbon & Carbon Co., New York, N. Y. Carbon-paper. No. 123,479; Nov. 12; v. 256; p. 449.
Oliver, Lindsey N., Boston, Mass. Cigars and cigarettes. No. 123,152; Oct. 15; v. 255; p. 607.
Olmstead Quaboag Corset Co., West Brookfield, Mass. Corsets, corset waists and covers. No. 120,622; Feb. 19; v. 247; p. 743.
Olsson, Oscar H., Hawthorne, N. J. Preparation for the treatment of malaria. No. 120,416; Feb. 5; v. 247; p. 240.
Omaha Flour Mills Co., Omaha, Nebr. Wheat-flour. No. 123,380; Oct. 29; v. 255; p. 1051.
Omolite Company, Inc., The, Jamestown, N. Y. Metal screens for headlights. No. 122,904; Sept. 24; v. 254; p. 863.
On The Square Publishing Company, St. Paul, Minn. Monthly magazines. No. 122,998; Oct. 1; v. 255; p. 158.
One Wheel Truck Company, St. Louis, Mo. Certain named cutlery, machinery, and tools, and parts thereof. No. 124,035; Dec. 31; v. 257; p. 1077.
Oneida Community, Limited, Oneida, N. Y. Certain named foods. No. 120,775; Mar. 5; v. 248; p. 231.
Oneida Corporation, Chicago, Ill. Deodorants and preparations to allay perspiration. No. 123,633; Nov. 19; v. 256; p. 642.
Ong, Harlon F., Portland, Oreg. Attachment for carbureters for hydrocarbon. No. 121,325; Apr. 23; v. 249; p. 981.
Onofrio, Gabriel D., Binghamton, N. Y. Preparations for treating the hair. No. 123,852; Dec. 10; v. 257; p. 405.
Operative Plasterers and Cement Finishers International Association of the United States and Canada, Middletown, Ohio. Printed books, pamphlets, periodicals, and circulars. No. 120,688; Feb. 26; v. 247; p. 962.
Oppenheimer, Eugene, New York, N. Y. Men's scarfs and neckties. No. 122,036; June 18; v. 251; p. 672.
Orange County Realty Company, Anaheim, Cal. Walnuts. No. 121,138; Apr. 9; v. 249; p. 503.
Ordinator Company, Inc., New York, N. Y. Window-shade cloth. No. 123,920; Dec. 17; v. 257; p. 644.
Oriental Drug Co. Inc., New York, N. Y. Tonic digestive tablets. No. 121,646; May 14; v. 250; p. 511.
Oriental Drug Co. Inc., New York, N. Y. Anti-anemic preparations. No. 122,608; Aug. 27; v. 253; p. 950.
Oriental Oil Company, Dallas, Tex. Gasolene. No. 121,647; May 14; v. 250; p. 511.
Oriental Oil Company, Dallas, Tex. Lubricating-grease. No. 121,937; June 11; v. 251; p. 459.
Oriental Oil Company, Dallas, Tex. Heavy lubricating-grease. No. 122,520; Aug. 20; v. 253; p. 744.
Oriental Oil Company, Dallas, Tex. Compound for removing incrustations. No. 122,733; Sept. 10; v. 254; p. 447.
Oriental Silk Printing Company, New York, N. Y. Silk and cotton and silk piece goods, silk and wool fabrics. No. 122,734; Sept. 10; v. 254; p. 447.
Orton, Charles H. L., Pittsburgh, Pa. Cough-drops. No. 121,724; May 21; v. 250; p. 764.
Osborn Paper Company, Marion, Ind. Writing-tablets, composition and student note books, printing and writing papers. No. 121,938; June 11; v. 251; p. 460.
Osborn, Samuel C., Chicago, Ill. Certain named musical instruments and supplies. No. 120,994; Mar. 19; v. 248; p. 765.
Oswego Shade Cloth Company, Oswego, N. Y. Shade-cloth. Nos. 122,735–6; Sept. 10; v. 254; p. 447.
Otis Clapp & Son, Inc., Boston, Mass. Remedy for burns, a sedative and germicide. No. 122,578; Aug. 27; v. 253; p. 949.
Otis Clapp & Son Inc., Boston, Mass. Preparation for the treatment of certain named diseases and affections. No. 123,938; Dec. 24; v. 257; p. 813.
Ott, Frederick J., Jefferson City, Mo. Tablets for whooping and obstinate coughs and bronchitis. No. 124,036; Dec. 31; v. 257; p. 1077.
Ottaviano, Nicholas, Pittsburgh, Pa. Scalp remedy and hair tonic. No. 121,481; Apr. 30; v. 249; p. 1220.
Ottawa Condensing Co., Ottawa, Kans. Creamery-butter. No. 122,100; June 25; v. 251; p. 836.
Ovette Manufacturing Co., Birmingham, Ala. Prepared food product to be used as a substitute for eggs. No. 123,266; Oct. 22; v. 255; p. 825.
Owen Canning Co., Owen, Wis. Canned peas. Nos. 121,727–8; May 21; v. 250; p. 764.
Owens, Pocahontas, Chester, Pa. Hair-tonic. No. 120,629; Feb. 19; v. 247; p. 743.
Owens, Pocahontas, Chester, Pa. Scalp food. No. 123,948; Dec. 24; v. 257; p. 813.
Owl Drug Company, The, San Francisco, Cal. Monthly publication. No. 120,897; Mar. 12; v. 248; p. 497.
Owl Drug Company, The, San Francisco, Cal. Tooth-brushes. No. 121,939; June 11; v. 251; p. 460.
Owl Supply Company, Boston, Mass. Paper-clips. No. 122,336; July 23; v. 252; p. 958.
Oxer, Anchel, Tomkinsville, N. Y. Salve and a liniment used in treating certain named diseases. No. 121,235; Apr. 23; v. 249; p. 979.
Oxford Bear's Fruit Growers Association, Hebron, Me. Fresh apples. No. 123,267; Oct. 22; v. 255; p. 825.
Oxico Co. (See Forni, Attilio.)
Ozone Spring Water & Beverage Co., Inc., New Orleans, La. Non-alcoholic and maltless soft drinks and syrups therefor. No. 122,609; Aug. 27; v. 253; p. 950.
P. Ballantine & Sons, Newark, N. J. Beverage composed of certain named ingredients. No. 121,392; Apr. 30; v. 249; p. 1217.
P. Ballantine & Sons, Newark, N. J. Certain named non-alcoholic beverages. No. 123,317; Oct. 29; v. 255; p. 1049.
P. Pastene & Co., Inc., Boston, Mass. Olive-oil. No. 121,942; June 11; v. 251; p. 460.
P. & M. Co., The, Chicago, Ill. Metal rail-anchors, anti-creepers, tie-plates, splice-bars, guard-rail clamps, and rail-bond wire-holders. No. 122,226; July 9; v. 252; p. 500.
Pacific Coast Publishing Company, San Francisco, Cal. Monthly periodical. No. 121,202; Apr. 16; v. 249; p. 736.
Pacific Commercial Co., San Francisco, Cal.; New York, N. Y., and Manila, Philippine Islands. Baking-powder. No. 123,480; Nov. 12; v. 256; p. 449.
Pacific Creosoting Company, Seattle, Wash. Wooden pipe. No. 120,283; Jan. 29; v. 246; p. 1200.
Pacific Fruit & Produce Co., North Yakima, Wash. Fresh apples. No. 121,091; Apr. 2; v. 249; p. 233.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 120,514; Feb. 12; v. 247; p. 476.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 120,898; Mar. 12; v. 248; p. 497.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 120,996; Mar. 19; v. 248; p. 765.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 121,092; Apr. 2; v. 249; p. 233.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 121,203; Apr. 16; v. 249; p. 736.
Pacific Mills, Lawrence and Boston, Mass. Certain named clothing. No. 121,486; Apr. 30; v. 249; p. 1220.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 121,813; May 28; v. 250; p. 995.

Alphabetical list of registrants of trade-marks—Continued.

Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 122,101; June 25; v. 251; p. 836.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. No. 122,390; July 30; v. 252; p. 1139.
Pacific Mills, Lawrence and Boston Mass. Cotton and woolen piece goods. No. 122,391; July 30; v. 252; p. 1140.
Pacific Novelty Company, New York, N. Y. Knitting pins and needles for hand use. No. 122,905; Sept. 24; v. 254; p. 863.
Pacific Pea Packing Company, Eau Claire, Wis., and Oakdale, Cal. Canned peas and beans. No. 122,154; July 2; v. 252; p. 242.
Pacific Pea Packing Company, Eau Claire, Wis., and Oakdale, Cal. Canned peas, pork and beans, and hominy. No. 123,634; Nov. 19; v. 256; p. 642.
Package Confectionery Co., Boston, Mass. Candy. No. 120,417; Feb. 5; v. 247; p. 240.
Package Confectionery Co., Boston, Mass. Candy. No. 121,648; May 14; v. 250; p. 511.
Paganini, Villani & C., Milan, Italy. Prepared powdered milk food. No. 123,381; Oct. 29; v. 255; p. 1051.
Page, Louise A., Slaterville Springs, N. Y. Mineral water. No. 121,563; May 7; v. 250; p. 252.
Pain, Henry J., New York, N. Y. Fireworks. No. 120,623; Feb. 19; v. 247; p. 743.
Palatine Aniline & Chemical Corporation, Poughkeepsie, N. Y. Dyes. Nos. 123,746–8; Dec. 3; v. 257; p. 189.
Palette, Elizabeth, Flushing, N. Y. Complexion-lotion. No. 121,819; May 28; v. 250; p. 995.
Palmer, James A., Boston, Mass. Disinfectant. No. 123,949; Dec. 24; v. 257; p. 813.
Palmer, Marvin E., Topeka, Kans. Certain named prints and publications. No. 122,521; Aug. 20; v. 253; p. 744.
Palmetto Ice Cream Company, Florence, S. C. Ice-cream. No. 124,037; Dec. 31; v. 257; p. 1077.
Pan-American Motors Corporation, Decatur, Ill. Automobiles. No. 123,268; Oct. 22; v. 255; p. 825.
Pandolfo, Samuel C., St. Cloud, Minn. Automobiles. No. 120,776; Mar. 5; v. 248; p. 231.
Papadopulos, George P., New York, N. Y. Olive-oil. No. 121,487; Apr. 30; v. 249; p. 1220.
Pape, Harry W., Cincinnati, Ohio. Purgative beverage. No. 122,227; July 9; v. 252; p. 500.
Paraloid Works, Inc., Yonkers, N. Y. Hair, clothes, and hat brushes. No. 123,481; Nov. 12; v. 256; p. 449.
Paralta Plays, Inc., New York, N. Y. Motion-picture films. No. 122,228; July 9; v. 252; p. 500.
Parcel Post Scale Company, Logansport, Ind. Indicating weighing-scales. No. 124,038; Dec. 31; v. 257; p. 1077.
Parfumerie Marceau, Inc., New York, N. Y. Dentifrices. No. 121,941; June 11; v. 251; p. 460.
Park Gilmore, Inc., Covington, Ky. Rouge. No. 121,056; Apr. 2; v. 249; p. 231.
Park & Pollard Company, The, Boston, Mass. Chick feed. No. 122,341; July 23; v. 252; p. 958.
Park & Tilford, New York, N. Y. Coffee. No. 122,810; Sept. 17; v. 254; p. 652.
Park & Tilford, New York, N. Y. Soap. No. 123,749; Dec. 3; v. 257; p. 189.
Parke, Davis & Co., Detroit, Mich. Disinfectants, germicides, antiseptics. No. 124,039; Dec. 31; v. 257; 1077.
Parker Brothers, Portland, Me., and Salem, Mass. Card games. No. 121,204; Apr. 16; v. 249; p. 736.
Parker Cup & Specialty Works, Inc. Parkers Landing, Pa. Valve-cups formed of rubberized fabric. No. 121,814; May 28; v. 250; p. 995.
Parker, James D., Kansas City, Kans. Ventilating-fans and ventilating-blowers. No. 120,517; Feb. 12; v. 247; p. 476.
Parker, Willard, Philadelphia, Pa. Automatic machine-screw-cutting oil. No. 121,649; May 14; v. 250; p. 511.
Parkesburg Iron Company, Parkesburg, Pa. Boiler-tubes. No. 120,899; Mar. 12; v. 248; p. 497.
Parr, Jacob S., Govanstown, Md. Highly-flavored sugar tablets. No. 120,418; Feb. 5; v. 247; p. 240.
Parsons Trading Company, New York, N. Y. Roll-paper cutters and holders. No. 122,155; July 2; v. 252; p. 242.
Parsons Trading Company, New York, N. Y. Certain named inks and inking materials. No. 122,229; July 9; v. 252; p. 500.
Patent Cereals Co., The, Geneva, N. Y. Adhesive paste. No. 122,410; Aug. 13; v. 253; p. 509.
Patent Metal Company, Newark, N. J. Washtub-covers. No. 120,624; Feb. 19; v. 247; p. 743.
Pathé Exchange, Inc., New York, N. Y. Cinematograph-films. No. 120,997; Mar. 19; v. 248; p. 765.
Pathé Exchange, Inc., New York, N. Y. Cinematograph-films. No. 122,230; July 9; v. 252; p. 500.
Pathfinder Rubber Co., Chattanooga, Tenn. Rubber heels. No. 121,488; Apr. 30; v. 249; p. 1220.
Patten, William, Rhinebeck, N. Y. Fresh eggs. No. 122,284; July 16; v. 252; p. 742.
Patterson-Sargent Company, The, Cleveland, Ohio. Certain named paints and varnishes and the like. No. 120,419; Feb. 5; v. 247; p. 240.
Paxton Canning Co., Paxton, Ill. Certain named foods. No. 122,652; Sept. 3; v. 254; p. 221.
Paxton, Frederick H., Chicago, Ill. Granulated combination of certain salts for internal use. No. 120,212; Jan. 15; v. 246; p. 820.
Payne Chemical Company, Minneapolis, Minn. Dye. No. 120,213; Jan. 15; v. 246; p. 821.
Pearl, Eugene, New York, N. Y. Certain named rubber goods. No. 121,564; May 7; v. 250; p. 252.
Pearson, Jno. F., Montgomery, Ala. Bean-meal and cut-pod feed for stock and poultry feed. No. 122,525; Aug. 20; v. 253; p. 744.
Peckham, John H., North Attleboro, Mass. Certain named jewelry and precious-metal ware. No. 122,231; July 9; v. 252; p. 500.
Peerless Underwear Company, Utica, N. Y. Knitted underwear. No. 121,489; Apr. 30; v. 249; p. 1220.
Peet, Harry V., Columbus, Ohio. Gas stoves and warmers. No. 120,148; Jan. 8; v. 246; p. 566.
Pelican Lake Oyster & Packing Co., Ltd., Houma, La. Canned shrimp, vegetables, and fruit. No. 120,625; Feb. 19; v. 247; p. 743.
Peloso Bros., New York, N. Y. Candy. No. 122,526; Aug. 20; v. 253; p. 744.
Peloso Bros., New York, N. Y. Candy. No. 123,382; Oct. 29; v. 255; p. 1051.
Peltason, Max C., Chicago, Ill. Laundry bluing. No. 123,950; Dec. 24; v. 257; p. 813.
Peninsular Chemical Co., Detroit, Mich. Writing-paper and lead-pencils. No. 120,284; Jan. 29; v. 246; p. 1200.
Peninsular Chemical Co., Detroit, Mich. Perfumes, toilet waters, creams, and powders. No. 120,420; Feb. 5; v. 247; p. 240.
Penn Oil Co., Inc., New York, N. Y. Lubricating oils and greases, illuminating-oils, gasolene, kerosene. No. 124,040; Dec. 31; v. 257; p. 1077.
Pennsylvania Central Brewing Co., The, Scranton, Pa. Beer. No. 120,214; Jan. 15; v. 246; p. 821.
Pennsylvania Lawn Mower Works. (See Braun and Sons, John, assignors.)
Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn-mowers. No. 121,491; Apr. 30; v. 249; p. 1220.
Pennsylvania Linseed Products Company, Pittsburgh, Pa. Linseed-oil substitute. No. 121,650; May 14; v. 250; p. 511.
Pennsylvania Linseed Products Company, Pittsburgh, Pa. Synthetic linseed-oil for making cores for castings. No. 122,738; Sept. 10; v. 254; p. 447.
Pennsylvania Lubricating Company, Pittsburgh, Pa. Lubricating oils and greases. No. 123,638; Nov. 19; v. 256; p. 642.
Pennsylvania Piston Ring Co. Inc., Cleveland, Ohio. Piston-rings. No. 120,900; Mar. 12; v. 248; p. 497.
People's Life Insurance Coupon Co., The, Baltimore, Md. Insurance and cash coupons or certificates, and stamps. No. 122,986; Oct. 1; v. 255; p. 158.
Peoria Novelty Co., Peoria, Ill. Vending-machines. No. 121,090; Apr. 2; v. 249; p. 232.
Peppas, Vasili, Braddock, Pa. Preparation for rheumatism. No. 122,356; July 23; v. 252; p. 958.
Perfection Bed Spring Company, Mansfield, Ohio. Metal bed-springs and beds, folding beds, cots, and swings. No. 120,039; Jan. 1; v. 246; p. 298.
Perfex Corporation Inc., New York, N. Y. Collapsible tubes to contain liquid or fluid substances. No. 123,750; Dec. 3; v. 257; p. 189.
Perfo Stamping Works, Detroit, Mich. Combination handle and perforating attachment for cans. No. 123,154; Oct. 15; v. 255; p. 607.
Periodical Publishing Co., Grand Rapids, Mich. Monthly publication. Nos. 120,690–1; Feb. 26; v. 247; p. 962.
Periodical Publishing Co., Grand Rapids, Mich. Periodical published monthly. No. 120,901; Mar. 12; v. 248; p. 497.
Periodical Publishing Co., Grand Rapids, Mich. Bulletin published semi-annually. No. 121,205; Apr. 16; v 249; p. 736.
Perkins-Epeneter Pickle Co., The, Denver, Colo. Certain named foods. No. 120,285; Jan. 29; v. 246; p. 1200.
Perkins Glue Company, Lansdale, Pa. Starch-glue material. No. 122,338; July 23; v. 252; p. 958.
Perlman, Harry, New York, N. Y. Bicycles and motorcycles. No. 120,519; Feb. 12; v. 247; p. 476.
Perlman, Harry, New York, N. Y. Bicycles and motorcycles. No. 120,777; Mar. 5; v. 248; p. 231.
Perma-Loc Manufacturing Company. (See Conroy, Edgar A., assignor.)
Pernetti, Biagio, Los Angeles and Harbor City, Cal. Canned tomato paste. No. 123,639; Nov. 19; v. 256; p. 642.
Perniciaro, Andrea, Brooklyn, N. Y. Medicinal compound for the treatment of hemorrhoids. No. 121,725; May 21; v. 250; p. 764.
Perry, Frank B., Newton Center, Mass. Certain named electrical apparatus, machines, and supplies. No. 121,326; Apr. 23; v. 249; p. 981.
Persian Balm Toilet Company, Inc., New York, N. Y. Healing lotion or balm for the skin. No. 123,383; Oct. 29; v. 255; p. 1051.
Peter A. Frasse & Co. Inc., New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 120,967; Mar. 19; v. 248; p. 764.

Alphabetical list of registrants of trade-marks—Continued.

Peter A. Frasse & Co., Inc., New York, N. Y. Steel rods and bars, cold-rolled sheet and strip steel, steel wire. No. 121,613; May 14; v. 250; p. 510.
Peter A. Frasse & Co., Inc., New York, N. Y. Steel bars and plates. Nos. 123,118–22; Oct. 15; v. 255; p. 606.
Peter A. Frasse & Co. Inc., New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 123,588; Nov. 19; v. 256; p. 641.
Peter Oil and Refining Co., Inc., Denison, Tex. Peanut oil, cake, and meal for use as foods. No. 124,041; Dec. 31; v. 257; p. 1077.
Peters, Henry M., Chicago, Ill. Portable electric lamps. No. 121,327; Apr. 23; v. 249; p. 982.
Petersburg Packing Co., Seattle, Wash., and Petersburg, Alaska. Canned salmon. Nos. 121,815–17; May 28; v. 250; p. 995.
Peterson, Clarence, Minneapolis, Minn. Cold self-vulcanizing texture-back patch for tires and the like. No. 122,523; Aug. 20; v. 253; p. 744.
Peterson, Frank W., Minneapolis, Minn. Liniment for rheumatism and swellings. No. 121,943; June 11; v. 251; p. 460.
Petroccio, John, Waterbury, Conn. Scrub-brushes. No. 120,149; Jan. 8; v. 246; p. 566.
Petroleum Products Co., San Francisco, Cal. Lubricating-oil and rust-preventive. No. 122,339; July 23; v. 252; p. 958.
Petroleum Products Co., San Francisco, Cal. Gasolene. No. 123,640; Nov. 19; v. 256; p. 642.
Petroleum Publication Company, Chicago, Ill. Trade journals published monthly. No. 122,987; Oct. 1; v. 255; p. 158.
Petroleum Refining Company, Houston, Tex. Turpentine substitutes. Nos. 122,811–12; Sept. 17; v. 254; p. 652.
Petroleum Refining Company, Houston, Tex. Fuel and lubricating oils and greases. No. 122,813; Sept. 17; v. 254; p. 652.
Petroleum Refining Company, Houston, Tex. Petroleum fuel-oils. No. 122,814; Sept. 17; v. 254; p. 652.
Petroleum Refining Company, Houston, Tex. Lubricating-oils. No. 122,815; Sept. 17; v. 254; p. 652.
Pettibone Co., C. M., Seattle, Wash. Canned salmon. No. 121,328; Apr. 23; v. 249; p. 982.
Pheiffier, Ellen W., Parkersburg, W. Va. Hair-tonic. No. 122,342; July 23; v. 252; p. 958.
Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Enamel paint. No. 120,422; Feb. 5; v. 247; p. 240.
Phelps Dodge & Company, New York, N. Y. Copper, lead, zinc, gold, and silver. No. 121,944; June 11; v. 251; p. 460.
Phelps Dodge Corporation, New York, N. Y. Copper, lead, zinc, gold, and silver. No. 121,945; June 11; v. 251; p. 460.
Phenol Chemical Company, The, Chicago, Ill. Moth preventive and exterminator. No. 123,483; Nov. 12; v. 256; p. 449.
Phifer, Luther C., Worcester, Mass. Certain named publications. No. 121,492; Apr. 30; v. 249; p. 1220.
Philip Carey Manufacturing Company, The, Lockland, Ohio. Damp-proofing liquid. No. 123,751; Dec. 3; v. 257; p. 189.
Phillips, Anna, New York, N. Y. Women's neckwear. No. 120,998; Mar. 19; v. 248; p. 765.
Phillips & Buttorff Mfg. Co., Nashville, Tenn. Stoves, ranges, heaters, hot-air furnaces, canners. No. 123,270; Oct. 22; v. 255; p. 825.
Phoenix Oil Company, The. (See Joyful Manufacturing Company, assignor.)
Phoenix Packing Co., San Francisco, Cal. Raisins and dried peaches. No. 121,651; May 14; v. 250; p. 511.
Phoenix Rubber Co., The, Akron, Ohio. Reclaimed rubber in bulk. No. 123,271; Oct. 22; v. 255; p. 825.
Phonoharp Company, The, Boston and East Boston, Mass. Velocipedes. No. 121,206; Apr. 16; v. 249; p. 736.
Phototones Incorporated, Boston, Mass. Reproductions of photographs and prints. No. 120,521; Feb. 12; v. 247; p. 476.
Piedmont Pictures Corporation of New York, New York, N. Y. Motion-picture films. No. 121,329; Apr. 23; v. 249; p. 982.
Piel Bros., Brooklyn, N. Y. Maltless beverage commonly sold as a soft drink. No. 120,778; Mar. 5; v. 248; p. 231.
Pieper, O. R., Milwaukee, Wis. Certain named foods. No. 120,689; Feb. 26; v. 247; p. 962.
Pierce Oil Corporation, New York, N. Y., and St. Louis, Mo. Petroleum products consisting of gasolene, kerosene, lubricating-oils, lubricating-grease, and paraffin-wax. No. 122,232; July 9; v. 252; p. 500.
Pierman, Alexander N., Newark N. J. Electrically-operated signal-horns. No. 122,156; July 2; v. 252; p. 242.
Pike Manufacturing Company, Pike and Littleton, N. H.; Evansville, Vt.; Orleans, Ind.; Hot Springs, Ark., and New York, N. Y. Razor-strops. No. 120,286; Jan. 29; v. 246; p. 1200.
Pike Manufacturing Company, Pike and Littleton, N. H.; Evansville, Vt.; Orleans, Ind.; Hot Springs, Ark., and New York, N. Y. Razor-strops. No. 122,233; July 9; v. 252; p. 501.
Pine Tree Milking Machine Company, Chicago, Ill. Milking-machines. No. 122,816; Sept. 17; v. 254; p. 652.
Pinkney Mills, Inc., Gastonia, N. C. Yarns. No. 121,094; Apr. 2; v. 249; p. 233.
Pittsburg Elevator Company, Pittsburg, Kans. Cornmeal and corn-chops, whole-wheat flour, hen and chick feeds, alfalfa, &c., seeds. No. 121,726; May 21; v. 250; p. 764.
Pittsburgh Compound Company, Pittsburgh, Pa. Oily compounds employed in drilling, tapping, and cutting metals. No. 120,215; Jan. 15; v. 246; p. 821.
Planchenault, Alexander G., Coytesville, N. J. Clasps for wrist-bracelets, lockets, necklaces, &c. No. 121,820; May 28; v. 250; p. 995.
Planographic Equipment Company Inc., New York, N. Y. Printed books, supplements, and pamphlets. No. 123,853; Dec. 10; v. 257; p. 405.
Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Salted peanuts and peanut-bars. No. 120,628; Feb. 19; v. 247; p. 743.
Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Whole blanched salted peanuts. No. 121,140; Apr. 9; v. 249; p. 503.
Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Salted peanuts and peanut bars. No. 121,818; May 28; v. 250; p. 995.
Planter's Nut & Chocolate Company, Wilkes-Barre, Pa. Certain named foods. No. 123,641; Nov. 19; v. 256; p. 642.
Plough, Abraham, Memphis, Tenn. Face, toilet, and talcum powders, pomade. No. 123,952; Dec. 24; v. 257; p. 813.
Pond, Charles F., Berkeley, Cal. Card game. No. 122,739; Sept. 10; v. 254; p. 447.
Pope, Wm. R., Philadelphia, Pa. Salted peanuts. No. 121,141; Apr. 9; v. 249; p. 503.
Porcelain Enamel and Manufacturing Company of Baltimore, The, Baltimore, Md. Kitchen tables and cabinets and tops for same, and stools. No. 120,040; Jan. 1; v. 246; p. 298.
Porter, Herbert G., Malden, Mass. Dehydrated eggs. No. 121,821; May 28; v. 250; p. 995.
Porter, Thomas A., La Fayette, La. Preparation for dyspepsia. No. 122,234; July 9; v. 252; p. 501.
Portland Cheese Company, The, Portland, Oreg. Cheese. No. 122,610; Aug. 27; v. 253; p. 950.
Portland Label Co., Inc., Milwaukie, Oreg. Prescription-blanks. No. 123,155; Oct. 15; v. 255; p. 607.
Portola Oil Company, The, San Francisco, Cal. Lubricating oils and greases. No. 121,330; Apr. 23; v. 249; p. 982.
Posch, Betty L., New York, N. Y. Medicinal compound for asthma, catarrh, and bronchitis. No. 123,482; Nov. 12; v. 256; p. 449.
Posner-Marinace, Inc., New York. Ladies' outer cloth, cotton, and silk coats and dresses. No. 123,272; Oct. 22; v. 255; p. 825.
Potter Drug & Chemical Corporation, Portland, Me., and Boston, Mass. Talcum powder. No. 123,384; Oct. 29; v. 255; p. 1051.
Potter & Wrightington, Boston, Mass. Cake and pastry flour. No. 122,988; Oct. 1; v. 255; p. 158.
Potter & Wrightington, Boston, Mass. Gluten-flour. No. 123,385; Oct. 29; v. 255; p. 1051.
Pratt, Milan F., Rochester, N. Y. Laxative tablets. No. 121,331; Apr. 23; v. 249; p. 982.
Pratt, Milan F., Rochester, N. Y. Preparation to correct an acid condition of the stomach. No. 122,906; Sept. 24; v. 254; p. 863.
Premier Packing Co., San Diego, Cal. Canned sardines. No. 121,946; June 11; v. 251; p. 460.
Premier Snap Fastener Co. Inc., New York, N. Y. Snap-fasteners. No. 120,424; Feb. 5; v. 247; p. 240.
Prentiss, Albert N., Washington, D. C. Puzzle. No. 121,332; Apr. 23; v. 249; p. 982.
Price Trade Publishing Co., Inc., The, New York, N. Y. Magazine issued monthly. No. 123,273; Oct. 22; v. 255; p. 825.
Price's Patent Candle Company Limited, London, Cricklewood, Battersea, and county of Chester, England. Food-warmers, night and nursery candle-lamps. No. 122,907; Sept. 24; v. 254; p. 863.
Pringle Electrical Mfg. Company, Philadelphia, Pa. Electric switch-locking devices. No. 121,566; May 7; v. 250; p. 252.
Prior, Albert G., New York, N. Y. Label-pasting machines. No. 123,642; Nov. 19; v. 256; p. 642.
Processed Oils Corp., Conshohocken and Philadelphia, Pa. Treated oil for soap-making. No. 123,752; Dec. 3; v. 257; p. 189.
Products Syndicate, Inc., Boston, Mass. Leather impregnated with nitrocellulose cement. No. 122,908; Sept. 24; v. 254; p. 863.
Protective Signal Manufacturing Company, The, Denver, Colo. Periodical published monthly. No. 123,274; Oct. 22; v. 255; p. 825.
Providence Churning Company, Providence, R. I. Oleomargarin. No. 121,142; Apr. 9; v. 249; p. 503.
Puckett, Charles N., assignor to Master Starter Mfg. Company, Los Angeles, Cal. Mechanical starters for automobiles. No. 121,652; May 14; v. 250; p. 511.

Alphabetical list of registrants of trade-marks—Continued.

Pullastic Co. of Amer. Inc., The, New York, N. Y. Hat-linings. No. 120,217; Jan. 15; v. 246; p. 821.
Pullclean Manufacturing Co., Inc., New York, N. Y. Towel-cabinets. No. 122,392; July 30; v. 252; p. 1140.
Purcell, Isaac S., assignor to Tentobed Company, Chicago, Ill. Folding cots. No. 120,287; Jan. 29; v. 246; p. 1200.
Pure Food Factory "Hansa," Mamaroneck, N. Y. Liquid vegetable flavoring essences for flavoring food products. No. 123,643; Nov. 19; v. 256; p. 642.
Pure Food Specialties Co., The, Toledo, Ohio. Coffee. No. 123,386; Oct. 29; v. 255; p. 1051.
Puri-tis Chemical Co., Detroit, Mich. Hair-tonic. No. 122,157; July 2; v. 252; p. 242.
Purity Brewing Company, Minneapolis, Minn. Soft drink that is a non-intoxicating maltless beverage. No. 121,207; Apr. 16; v. 249; p. 736.
Purity Cross, Inc., Providence, R. I. Food products—viz., jamalade and creamed chicken. No. 120,041; Jan. 1; v. 246; p. 298.
Purity Products Corporation, Boston, Mass. Tablets for skin eruptions. No. 121,095; Apr. 2; v. 249; p. 233.
Puro Sanitary Drinking Fountain Co., Haydenville, Mass. Drinking-fountains and parts thereof. No. 120,218; Jan. 15; v. 246; p. 821.
Pyles, Frank, Osawatomie, Kans. Certain named foods. No. 121,333; Apr. 23; v. 249; p. 982.
Pyrene Manufacturing Company, New York, N. Y. Chemical heaters for therapeutical purposes for use in place of the usual hot-water bottle. No. 120,219; Jan. 15; v. 246; p. 821.
Pyrene Manufacturing Company, New York, N. Y. Chemical heaters for use for therapeutic purposes. No. 120,522; Feb. 12; v. 247; p. 476.
Pyrhodol & Chemical Co. Inc., The, Chicago, Ill. Antiseptic disinfectant mouth-wash, gargle, and deodorant. No. 120,150; Jan. 8; v. 246; p. 566.
Pyrotol Chemical Co., Beaumont, Tex. Dental cream. No. 121,822; May 28; v. 250; p. 995.
Pyrox Corporation, New York, N. Y. Increasing the combustion of hydrocarbons, coals, and coke and reducing ashes and clinkerage. No. 120,902; Mar. 12; v. 248; p. 497.
Quaker City Supply Co., Philadelphia, Pa. Leather. No. 122,530; Aug. 20; v. 253; p. 744.
Quaker Robe Co., Inc., Philadelphia, Pa. Puttees. No. 123,854; Dec. 10; v. 257; p. 405.
Qualo Drug Company, Knoxville, Tenn. Certain named medicines and pharmaceutical preparations. No. 123,484; Nov. 12; v. 256; p. 449.
Quentell, William P., New York, N. Y. Non-alcoholic beverage and an extract for making same. No. 123,276; Oct. 22; v. 255; p. 825.
Quinn, John A., St. Louis, Mo. Whisky. No. 120,630; Feb. 19; v. 247; p. 743.
R. Hickmott Canning Co., San Francisco and Orwood, Cal. Canned asparagus. Nos. 121,894–5; June 11; v. 251; p. 458.
R. P. Andrews Paper Company, Washington, D. C. Book, bond, and ledger paper, cardboards, envelops. No. 122,836; Sept. 24; v. 254; p. 861.
R. P. Andrews Paper Company, Washington, D. C. Certain named paper and stationery. No. 123,685; Dec. 3; v. 257; p. 187.
R. U. Delapenha & Co. Inc., New York, N. Y. Peanut-oil. No. 123,575; Nov. 19; v. 256; p. 640.
Radium Dial Company, Pittsburgh, Pa. Chemical luminous material. Nos. 121,334–6; Apr. 23; v. 249; p. 982.
Radium Dial Company, Pittsburgh, Pa. Chemical luminous material. No. 121,494; Apr. 30; v. 249; p. 1220.
Radium Dye Company, The, Kansas City, Mo. Preparation for cleaning and brightening white and colored shoes and gloves. No. 121,947; June 11; v. 251; p. 460.
Radium Golf Ball Co. Ltd., New York, N. Y. Golf-balls. No. 120,523; Feb. 12; v. 247; p. 476.
Radway, Frederick S., New York, N. Y. Seeds. No. 122,531; Aug. 20; v. 253; p. 744.
Rae, Matthew P., Chicago, Ill. Dresses. No. 123,855; Dec. 10; v. 257; p. 405.
Raich, Ida J., Lansing, Mich. Preparation for the treatment of kidney diseases. No. 122,989; Oct. 1; v. 255; p. 158.
Rainier Products Company, Seattle, Wash. Certain named non-alcoholic beverages. No. 121,653; May 14; v. 250; p. 511.
Rainville, Joseph A., Lewiston, Me. Certain named dental, medical, and surgical appliances. No. 121,654; May 14; v. 250; p. 511.
Ralco Manufacturing Company, Chicago, Ill. Electrical sockets, plugs, motors, and generators. No. 123,644; Nov. 19; v. 256; p. 642.
Ralston Iron Works, Inc., San Francisco, Cal. Automobile attachments for converting them into trucks. No. 121,823; May 28; v. 250; p. 995.
Ralston Purina Company, St. Louis, Mo. Cornmeal. No. 122,817; Sept. 17; v. 254; p. 652.
Ram Engineering Company, Columbus, Ohio. Locks—namely, switch-locks in connection with automobiles. No. 122,611; Aug. 27; v. 253; p. 950.
Ramashauski, Klemens S., Chicago, Ill. Medicines used in the treatment of certain named diseases. No. 122,990; Oct. 1; v. 255; p. 158.
Randazzo Macaroni Manufacturing Co., St. Louis, Mo. Macaroni, spaghetti, noodles, vermicelli, and similar Italian paste products. No. 120,425; Feb. 5; v. 247; p. 240.
Rapid Addressing Machine Co., New York, N. Y. Card-stencils. No. 120,631; Feb. 19; v. 247; p. 743.
Ravalli Cereal & Flour Mill Company, Missoula, Mont. Wheat biscuit-flour. No. 122,041; June 18; v. 251; p. 672.
Rawlings Manufacturing Company, St. Louis, Mo. Foot, basket, and volley balls. No. 123,645; Nov. 19; v. 256; p. 642.
Rea-Patterson Milling Company, The, Coffeyville, Kans. Wheat-flour. No. 122,397; July 30; v. 252; p. 1140.
Reading Standard Company, Inc., Reading, Pa. Motorcycles, motor-cycle vans and side cars. No. 122,909; Sept. 24; v. 254; p. 863.
Ready File Co., Indianapolis, Ind. Filing-cabinet for talking-machine disks. No. 123,856; Dec. 10; v. 257; p. 405.
Realty Publishing Co., Newark, N. J. Monthly magazine or periodical. No. 121,948; June 11; v. 251; p. 460.
Receipting Register Co., The, Cincinnati, Ohio. Receipting-registers. No. 121,655; May 14; v. 250; p. 511.
Red Line Inc., Grand Rapids, Mich. Carbon-remover or chemicals for removing carbon from auto-cylinders. No. 123,485; Nov. 12; v. 256; p. 449.
Red Line Inc., Grand Rapids, Mich. Wet batteries and electric lamps or spot-lights and spark-plugs. No. 123,646; Nov. 19; v. 256; p. 642.
Red Line, Inc., Grand Rapids, Mich. Auto-body and furniture polishes. No. 124,044; Dec. 31; v. 257; p. 1077.
Red Star Milling Company, The, Wichita, Kans. Wheat-flour. No. 122,612; Aug. 27; v. 253; p. 950.
Redheffer, Charles R., Philadelphia, Pa. Chemical carbon-solvent and gas-exhilarator and insecticide. No. 123,753; Dec. 3; v. 257; p. 189.
Redmanol Chemical Products Co., Chicago, Ill. Lacquers, varnishes, ready-mixed paints. No. 121,949; June 11; v. 251; p. 460.
Redmanol Chemical Products Co., Chicago, Ill. Phenolic condensation products for certain named uses. No. 122,529; Aug. 20; v. 253; p. 744.
Reese Company, The, Chicago, Ill. Breath-tablets. Nos. 120,426–7; Feb. 5; v. 247; p. 240.
Regent Sales Co., Inc., Brooklyn, N. Y. Tablet for indigestion and hyperacidity of the stomach. No. 123,059; Oct. 8; v. 255; p. 362.
Reichert Chemical & Mfg. Co., The, Granton, Wis. Polish for pianos, woodwork, furniture, automobiles, and other vehicles. No. 121,656; May 14; v. 250; p. 511.
Reick, Edward C., Indianapolis, Ind. Gargle. No. 123,647; Nov. 19; v. 256; p. 642.
Reid Bros., Seattle, Wash., and San Francisco, Cal. Impervious sheeting of rubber and rubberized fabric. No. 123,277; Oct. 22; v. 255; p. 825.
Reinberger & Collier, Pine Bluff, Ark. Medicine for certain named diseases. No. 123,156; Oct. 15; v. 255; p. 607.
Reinichen, Barbara, Springfield, Mo. Medicinal compound used in treating certain diseases. No. 123,060; Oct. 8; v. 255; p. 362.
Reinshagen & Company, H., Chicago, Ill. Substitute for eggs. No. 123,157; Oct. 15; v. 255; p. 607.
Reliance Manufacturing Company, Chicago, Ill. Work-shirts. Nos. 121,495–6; Apr. 30; v. 249; p. 1220.
Relief Laboratory, Inc., Newburgh, N. Y. Preparation for the treatment of certain named diseases. No. 124,043; Dec. 31; v. 257; p. 1077.
Remiller Co., The, New York, N. Y. Certain named toilet preparations and the like. No. 120,111; Jan. 8; v. 246; p. 564.
Remiller Co., The, New York, N. Y. Liquid, olive-oil, toilet, and violet soaps, shaving-cream. No. 122,159; July 2; v. 252; p. 242.
Remington Typewriter Company, Ilion and New York, N. Y. Type-writer ribbons and carbon-paper. No. 120,220; Jan. 15; v. 246; p. 821.
Remington Typewriter Company, Ilion and New York, N. Y. Carbon-paper. Nos. 120,779-80; Mar. 5; v. 248; p. 231.
Remington Typewriter Company, Ilion and New York, N. Y. Type-writer ribbons and carbon-paper. No. 120,781; Mar. 5; v. 248; p. 231.
Remington Typewriter Company, Ilion and New York, N. Y. Carbon-paper. No. 120,999; Mar. 19; v. 248; p. 765.
Remington Typewriter Company, Ilion and New York, N. Y. Type-writer ribbons and carbon-paper. No. 123,158; Oct. 15; v. 255; p. 607.
Removo Co., The, Syracuse, N. Y. Depilatory powder. 121,096; Apr. 2; v. 249; p. 233.
Renken & Yates Smith, Inc., New York, N. Y. Dry gin. No. 121,337; Apr. 23; v. 249; p. 982.
Renken & Yates Smith, Inc., New York, N. Y. Loganberry and grape juice. No. 122,613; Aug. 27; v. 253; p. 950.

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Renken & Yates Smith, Inc., New York, N. Y. Grape-juice. No. 122,614; Aug. 27; v. 253; p. 950.
Renton, Alexander, North Adams, Mass. Wrapped bread. No. 120,221; Jan. 15; v. 246; p. 821.
Renult Press, Inc., The, New York, N. Y. Newspapers No. 122,991; Oct. 1; v. 255; p. 158.
Replogle, Clare C., Shenandoah, Iowa. Wheat-flour. No. 123,564; Nov. 19; v. 256; p. 640.
Resilia Company, The, Boston, Mass. Suspenders, garters, belts, hose-supporters, and armbands. No. 120,428; Feb. 5; v. 247; p. 240.
Reso Products Co. Ltd., Zurich, Switzerland. Toilet soaps. No. 122,910; Sept. 24; v. 254; p. 863.
Rex Manufacturing Company, Connersville, Ind. Convertible automobile-top. No. 123,278; Oct. 22; v. 255; p. 826.
Rey & Co., New York, N. Y., and Habana, Cuba. Wheat-flour. No. 123,159; Oct. 15; v. 255; p. 607.
Reynolds Corporation, The, Bristol, Tenn. Hand-soap. No. 121,950; June 11; v. 251; p. 460.
Reynolds, Hughes T., Rome, Ga. Paints. No. 121,951; June 11; v. 251; p. 460.
Rheinstrom Brothers Company, The, Cincinnati, Ohio. Certain named foods. No. 121,143; Apr. 9; v. 249; p. 503.
Rice & Hutchins, Inc., Boston, Mass. Shoe and leather polishes. No. 120,263; Jan. 29; v. 246; p. 1200.
Rice & Hutchins, Inc., Boston, Mass. Hosiery of all kinds. No. 120,632; Feb. 19; v. 247; p. 744.
Rice-Stix Dry Goods Company, St. Louis, Mo. Cotton, linen, silk, and wool piece goods and mixtures of these materials. No. 120,288; Jan. 29; v. 246; p. 1200.
Rice-Stix Dry Goods Company, St. Louis, Mo. Cotton piece goods. No. 120,524; Feb. 12; v. 247; p. 476.
Rice-Stix Dry Goods Company, St. Louis, Mo. Men's outer shirts. No. 121,824; May 28; v. 250; p. 995.
Rice-Stix Dry Goods Company, St. Louis, Mo. Hosiery. No. 123,857; Dec. 10; v. 257; p. 405.
Richard Haworth and Company, Limited, Manchester, England. Long-cloths, sheetings, nainsooks, &c. No. 123,235; Oct. 22; v. 255; p. 824.
Richard Young Company, New York, N. Y. Leather—viz., goat, kid, sheep, kangaroo, cordovan. No. 122,912; Sept. 24; v. 254; p. 863.
Richards, Arthur W., Hartford, Conn. Powder for cleansing the surfaces of lenses of eyeglasses and other glass structures. No. 121,144; Apr. 9; v. 249; p. 503.
Richards, Elizabeth, New York, N. Y. Certain named toilet preparation. No. 120,112; Jan. 8; v. 246; p. 564.
Richardson Corporation, Rochester, N. Y. Certain named foods. No. 123,160; Oct. 15; v. 255; p. 607.
Richardson Corporation, Rochester, N. Y. Combination beverage carbonating and dispensing apparatus. No. 123,161; Oct. 15; v. 255; p. 607.
Richardson Corporation, Rochester, N. Y. Non-alcoholic beverage sold as a soft drink. No. 124,045; Dec. 31; v. 257; p. 1077.
Richmond Hosiery Mills, Rossville, Ga. Hosiery. No. 123,648; Nov. 19; v. 256; p. 642.
Ridenour-Baker Grocery Co., Kansas City, Mo. Canned foods and candy. No. 121,657; May 14; v. 250; p. 511.
Rieser Co., New York, N. Y. Hair-nets. No. 120,903; Mar. 12; v. 248; p. 497.
Rieser Co., The, New York, N. Y. Hair-curlers. No. 121,001; Mar. 19; v. 248; p. 765.
Rigaud, Henri, Paris, France, and New York, N. Y. Certain named toilet preparations. No. 120,113; Jan. 8; v. 246; p. 564.
Riley, Laura T., Poughkeepsie, N. Y. Bedspreads, pillow-shams, and rag carpets. No. 120,289; Jan. 29; v. 246; p. 1200.
Rimpler, John H., Goshen, Ind. Vegetable face-cream. No. 120,429; Feb. 5; v. 247; p. 240.
Ringstad, Ivan, St. Paul, Minn. Candy. No. 123,754; Dec. 3; v. 257; p. 189.
Rinker & Co., George E., Baltimore, Md. Remedy for indigestion. No. 123,387; Oct. 29; v. 255; p. 1051.
Rintelman, Anton H., Chicago, Ill. Phonographs, phonograph records and needles. No. 123,755; Dec. 3; v. 257; p. 189.
Ritter Hosiery Company, Fleetwood, Pa. Hosiery. No. 121,002; Mar. 19; v. 248; p. 765.
Riverside Boiler Works, Inc., Cambridgeport, Mass. Tanks and tanks for hot water, known as stand or range boilers. No. 120,633; Feb. 19; v. 247; p. 744.
Riverside Review Company, Inc., New York, N. Y. Newspapers published weekly. No. 121,658; May 14; v. 250; p. 511.
Roanoke Coffee and Spice Co., Roanoke, Va. Coffee. No. 120,290; Jan. 29; v. 246; p. 1200.
Roanoke Coffee and Spice Company, Roanoke, Va. Coffee. No. 123,061; Oct. 8; v. 255; p. 362.
Robeson Cutlery Company, The, Rochester, N. Y. Pocket-knives. No. 122,160; July 2; v. 252; p. 242.
Robinson, Edward P., New York, N. Y. Preparation for the treatment of inflammations. No. 123,756; Dec. 3; v. 257; p. 189.
Robinson, Hugh G., Albany, Cal. Rubber heel-plates. No. 120,151; Jan. 8; v. 246; p. 566.
Robinson, Roy L., Dinuba, Cal. Liniment for rheumatism, neuralgia, cuts, poison-oak, &c. No. 120,782; Mar. 5; v. 248; p. 231.
Rochester Button Company, Rochester, N. Y. Buttons for wearing-apparel. No. 120,634; Feb. 19; v. 247; p. 744.
Rocbond Company, Inc., The, Van Wert, Ohio. Stucco composition. No. 121,952; June 11; v. 251; p. 460.
Roe, Arthur N., Branchville, N. J., Medicinal preparations for internal and external use. No. 124,046; Dec. 31; v. 257; p. 1077.
Roegge, Fred C., Cleveland, Ohio. Synthetic liquid hydrocarbon fuel similar to gasolene or kerosene. No. 122,615; v. 253; p. 950.
Roegge, Fred C., Cleveland, Ohio. Synthetic liquid hydrocarbon fuel similar to gasolene or kerosene. No. 123,649; Nov. 19; v. 256; p. 642.
Roesch, Julius, La Grande, Oreg. Tonic cereal beverage to be sold as a soft drink. No. 121,003; Mar. 19; v. 248; p. 765.
Roethlisberger & Co., New York, N. Y. Domestic Limburger cheese. No. 120,431; Feb. 5; v. 247; p. 240.
Rogers, Hennessey & Jenkins, Boston, Mass. Quilts. Nos. 123,922–3; Dec. 17; v. 257; p. 644.
Rogers and Manson Company, Portland, Me., and Boston, Mass. Monthly publication. No. 122,993; Oct. 1; v. 255; p. 158.
Rogers Milk Corporation, New York, N. Y. Condensed milk. No. 122,819; Sept. 17; v. 254; p. 652.
Rogers Peet Company, New York, N. Y. Pajamas. Nos. 121,004–5; Mar. 19; v. 248; p. 765.
Rogers Peet Company, New York, N. Y. Hats and caps. No. 121,006; Mar. 19; v. 248; p. 765.
Rogers Peet Company, New York, N. Y. Pajamas. No. 121,007; Mar. 19; v. 248; p. 765.
Rogers & Thompson, Inc., New York, N. Y. Silk piece goods. No. 120,042; Jan. 1; v. 246; p. 298.
Rogers & Thompson, Inc., New York, N. Y. Silk piece goods. No. 122,740; Sept. 10; v. 254; p. 447.
Rojas, Randall & Co., Inc., New York, N. Y. Salt fish. No. 120,904; Mar. 12; v. 248; p. 497.
Rolling File Tool Company, Seattle, Wash. Metal-cutting tools used in metal-working machinery, abrading-machines, &c. No. 122,343; July 23; v. 252; p. 958.
Rolls-Royce Limited, Toronto, Ontario, Canada. Automobiles. No. 122,913; Sept. 24; v. 254; p. 863.
Rolls-Royce, Limited, Derby, England. Internal-combustion engines for airships and aeroplanes. No. 124,047; Dec. 31; v. 257; p. 1077.
Rom-baw Chemical Co., Clinton, N. Y. Liquid furniture-polish. No. 121,008; Mar. 19; v. 248; p. 765.
Roselean Manufacturing Company, Indianapolis, Ind. Hair-grower. No. 123,953; Dec. 24; v. 257; p. 813.
Rosenbloom, Benjamin L., Wheeling, W. Va. Liquid preparation for the preservation of the leather in boots and shoes. No. 122,344; July 23; v. 252; p. 958.
Rosenbloom, Benjamin L., Wheeling, W. Va. Liquid preparation for the preservation of the leather in boots and shoes. No. 122,914; Sept. 24; v. 254; p. 863.
Rosenfeld & Company, E., Baltimore, Md. Night-shirts, nightgowns, pajamas, sleeping-garments. No. 120,432; Feb. 5; v. 247; p. 240.
Rosenfeld & Company, E., Baltimore, Md. Certain named clothing for men, women, boys, and girls. No. 122,741; Sept. 10; v. 254; p. 447.
Rosenthal, Belle, Chicago, Ill. Soap dye for silk &c., liquid dye for shoes and leather articles. No. 123,062; Oct. 8; v. 255; p. 362.
Rosenthal, Belle, Chicago, Ill. Certain named abrasive, detergent, and polishing materials. No. 123,162; Oct. 15; v. 255; p. 607.
Rosenwald-Wimpfheimer, Inc., New York, N. Y. Hats. No. 122,042; June 18; v. 251; p. 672.
Roth, Otto, New York, N. Y. Cheese. No. 120,692; Feb. 26; v. 247; p. 962.
Roundup Fisheries Company, Spokane, Wash. Canned salmon. No. 122,654; Sept. 3; v. 254; p. 221.
Roundup Fisheries Co., Spokane, Wash. Canned salmon. No. 123,388; Oct. 29; v. 255; p. 1051.
Rouss, Peter W., New York, N. Y. Negligée and work shirts. No. 121,498; Apr. 30; v. 249; p. 1220.
Rousseau, Frank L., Pittsburgh, Pa. Corn-plaster. No. 121,097; Apr. 2; v. 249; p. 233.
Rowe Calk Company, The, Hartford, Conn. Traction, draft, and antiskidding chains. No. 122,820; Sept. 17; v. 254; p. 652.
Rowe-Fawcett Company, The, New Albany, Ind. Certain named foods. No. 122,532; Aug. 20; v. 253; p. 744.
Royal Exterminating Products Incorporated, New York, N. Y. Roach-powder. No. 122,994; Oct. 1; v. 255; p. 158.
Royal Phonograph Company, Chicago, Ill. Phonographs. No. 122,285; July 16; v. 252; p. 742.
Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. No. 120,433; Feb. 5; v. 247; p. 240.
Royal Worcester Corset Co., Worcester, Mass. Corsets. No. 122,616; Aug. 27; v. 253; p. 950.
Roycrofters, The, East Aurora, N. Y. Monthly publication. No. 122,533; Aug. 20; v. 253; p. 744.
Rudolph Stecher Brewing Co., Murphysboro, Ill. Non-intoxicating cereal malt beverage. No. 122,915; Sept. 24; v. 254; p. 863.
Ruff Bros., New York, N. Y. Watches and clocks. Nos. 120,636–7; Feb. 19; v. 247; p. 744.

Alphabetical list of registrants of trade-marks—Continued.

Rueff Bros., New York, N. Y. Certain named jewelry and precious metal ware. No. 121,500; Apr. 30; v. 249; p. 1220.
Ruff, Ulysses G., Jr., Philadelphia, Pa. Certain named medicines and pharmaceutical preparations. No. 123,757; Dec. 3; v. 257; p. 189.
Russell-Miller Milling Co., Minneapolis, Minn. Wheat-flour. No. 121,145; Apr. 9; v. 249; p. 503.
Rust-Parker Company, Duluth, Minn. Buckwheat-flour, pancake-flour mixture, blend of cane and maple syrup. No. 123,758; Dec. 3; v. 257; p. 189.
Ryan, John E., Boston, Mass. Non-glare devices consisting of lenses and attaching means for the headlights of automobiles. No. 123,858; Dec. 10; v. 257; p. 405.
S. Glemby, Inc., New York, N. Y. Hair-nets. No. 122,698; Sept. 10; v. 254; p. 446.
S. Langsdorf & Co., New York, N. Y. Certain named receptacles. No. 123,454; Nov. 12; v. 256; p. 448.
S. Liebmann's Sons, Inc., Brooklyn, N. Y. Non-intoxicating beverage brewed from malt, hops, and cereals. No. 122,220; July 9; v. 252; p. 500.
S. Pfeiffer Mfg. Co., St. Louis, Mo. A medicinal preparation for disorders of the genito-urinary organs. No. 120,421; Feb. 5; v. 247; p. 240.
S. Pfeiffer Manufacturing Company, St. Louis, Mo. Medicinal preparation in tablet form for relief of colds, coughs, la grippe, &c. No. 121,093; Apr. 2; v. 249; p. 233.
S. Phillips & Son, Inc., New York, N. Y. Women's and children's dresses and outer suits. No. 120,520; Feb. 12; v. 247; p. 476.
S. B. Penick & Company, Inc., New York, N. Y. Insect-powder. No. 123,951; Dec. 24; v. 257; p. 813.
S. H. Hirsch & Co. Inc., New York, N. Y. Cheese. No. 121,129; Apr. 9; v. 249; p. 503.
S. N. Swan & Sons, Freeport, Ill. Pianos and organs. No. 122,927; Sept. 24; v. 254; p. 863.
S. R. Sikes Company, Minneapolis, Minn. Leather belting. No. 121,503; Apr. 30; v. 249; p. 1220.
S. S. White Dental Manufacturing Company, The, Philadelphia, Pa. Certain named chemicals, medicines, and pharmaceutical preparations. No. 123,678; Nov. 19; v. 256; p. 643.
Saal Brothers, New York, N. Y. Butter and eggs. No. 122,394; July 30; v. 252; p. 1140.
Safe-Cabinet Company, The, Marietta, Ohio. Heat-resisting cabinets and safes. No. 120,638; Feb. 19; v. 247; p. 744.
Safepack Paper Mills, Boston, Mass. Certain named paper and stationery. No. 121,339; Apr. 23; v. 249; p. 982.
Safepack Paper Mills, Brockton, Mass. Certain named paper and stationery. No. 121,825; May 28; v. 250; p. 995.
Safety First Manufacturing Co., Chicago, Ill., assignor to Mudge & Company. Compound for removing paint and varnish. No. 121,009; Mar. 19; v. 248; p. 765.
Sager Brothers, Syracuse, N. Y. Certain named clothing for women, children, and infants. No. 120,639; Feb. 19; v. 247; p. 744.
Sakorraphos, Stelios N., Pittsburgh, Pa. Medicinal tonic for the nervous system, for purifying the blood, &c. No. 122,916; Sept. 24; v. 254; p. 863.
Salant & Salant, New York, N. Y. Flannet work-shirts, overalls, knitted underwear, work coats and pants, jumpers. No. 123,650; Nov. 19; v. 256; p. 642.
Sammy Manufacturing Company, New York, N. Y. Boys' suits, coats, breeches, trousers, &c. No. 124,050; Dec. 31; v. 257; p. 1077.
Samstag & Hilder Bros., New York, N. Y. Safety-pins. No. 121,010; Mar. 19; v. 248; p. 765.
Samstag & Hilder Bros., New York, N. Y. Snap-fasteners. No. 122,527; Aug. 20; v. 253; p. 744.
Samstag & Hilder Bros., New York, N. Y. Hair-pins of all kinds. No. 122,917; Sept. 24; v. 254; p. 863.
Samstag & Hilder Bros., New York, N. Y. Snap-fasteners. No. 122,918; Sept. 24; v. 254; p. 863.
Samstag & Hilder Bros., New York, N. Y. Collar cushion-bands. Nos. 124,048–9; Dec. 31; v. 257; p. 1077.
Samuel A. Crocker Company, The, Cincinnati, Ohio. Polishing and grinding tool for dentists. No. 123,695; Dec. 3; v. 257; p. 187.
Samuel Eiseman & Co. Inc., New York, N. Y. Silk piece goods. No. 120,564; Feb. 19; v. 247; p. 741.
Samuel Mahon Company, Ottumwa, Iowa. Coffee. No. 121,311; Apr. 23; v. 249; p. 981.
Samuel W. Peck & Co., New York, N. Y. Certain named clothing for ladies, men, young men, boys, children, and juveniles. No. 121,490; Apr. 30; v. 249; p. 1220.
Samuel W. Peck & Co., New York, N. Y. Certain named clothing for ladies, men, young men, boys, children, and juveniles. No. 121,493; Apr. 30; v. 249; p. 1220.
Samuels, Morton, Baltimore, Md. Boots and shoes of leather, rubber, felt, canvas, cloth, and combinations thereof. No. 121,098; Apr. 2; v. 249; p. 233.
San Fernando Heights Lemon Co., Los Angeles, Cal. Oranges, lemons, and grape-fruit. No. 120,640; Feb. 19; v. 247; p. 744.
San Joaquin Fruit Co., Tustin, Cal. Fresh citrus fruits. Nos. 122,821–3; Sept. 17; v. 254; p. 652.
San Joaquin Fruit Co., Tustin, Cal. Fresh oranges, lemons, and grape-fruit. No. 123,063; Oct. 8; v. 255; p. 362.
San Pedro Packing Co., Inc., East San Pedro, Cal. Canned sardines and tuna. No. 121,340; Apr. 23; v. 249; p. 982.
Sanford Narrow Fabric Co., Inc., New York, N. Y. Cotton and silk braids. No. 121,341; Apr. 23; v. 249; p. 982.
Sanger Brothers, Dallas and Waco, Tex., and New York, N. Y. Middy-blouse dress. No. 121,011; Mar. 19; v. 248; p. 765.
Sani-Fold Company, The. (See Lloyd, Converse W., assignor.)
Sanitary Products Corp., The, Baltimore, Md. Outdoor water-closets or toilets. No. 120,223; Jan. 15; v. 246; p. 821.
Sanol Chemical Co., St. Louis, Mo. Certain named medicines and pharmaceutical preparations. No. 123,954; Dec. 24; v. 257; p. 813.
Sansby Brothers, St. Paul, Minn. Medicinal compound used internally in treating various human ailments. No. 123,064; Oct. 8; v. 255; p. 362.
Sapulpa Refining Company, Sapulpa, Okla. Gasolene. No. 120,434; Feb. 5; v. 245; p. 240.
Satvi Health Food Company, Long Beach, Cal. Instant coffee. No. 122,655; Sept. 3; v. 254; p. 221.
Sauquoit Toilet Paper Co., New Hartford, N. Y. Toilet-paper. No. 120,115; Jan. 8; v. 246; p. 565.
Sauquoit Toilet Paper Co., New Hartford, N. Y. Toilet-paper. No. 120,905; Mar. 12; v. 248; p. 497.
Sauquoit Toilet Paper Co., New Hartford, N. Y. Toilet-paper. No. 121,826; May 28; v. 250; p. 995.
Savannah Sugar Refining Corporation, Savannah, Ga. Sugar. No. 122,345; July 23; v. 252; p. 958.
Savannah Soap Co., Savannah, Ga. Soap. No. 121,660; May 14; v. 250; p. 511.
Savarese, Salvatore, Brooklyn, N. Y. Candles. No. 122,534; Aug. 20; v. 253; p. 744.
Save-O Co., Inc., The, Hartford, Conn. Chemical compound for preserving rubber. No. 121,953; June 11; v. 251; p. 460.
Scafe Walter J., Joplin, Mo. Throat and lung tonic and a preparation for treating certain named diseases. No. 124,051; Dec. 31; v. 257; p. 1077.
Scattergood & Co., S. F., Philadelphia, Pa. Cattle feed. No. 120,043; Jan. 1; v. 246; p. 298.
Schaap, Walter P., Cincinnati, Ohio. System-cleanser and tonic for treatment of the kidneys, &c., and nerve-tablets. No. 122,919; Sept. 24; v. 254; p. 863.
Schadt & Mathewson, Detroit, Mich. Feathers. No. 122,535; Aug. 20; v. 253; p. 744.
Schaeffer, T. W., Washington, D. C. Spring-water. No. 123,759; Dec. 3; v. 257; p. 189.
Schalk Chemical Company, Inc., Los Angeles, Cal. Paint and varnish remover. No. 120,435; Feb. 5; v. 247; p. 241.
Schensley, William F., Philadelphia, Pa. Reeds for saxophones and similar reed instruments played with the mouth. No. 123,760; Dec. 3; v. 257; p. 189.
Schermerhorn, Louis C., Paterson, N. J. Wire strings for musical instruments. No. 120,116; Jan. 8; v. 246; p. 565.
Schermerhorn, Louis C., Paterson, N. J. Certain named musical instruments and supplies. No. 121,957; June 11; v. 251; p. 460.
Scheuer & Sons, Herman, Brooklyn, N. Y. Traveling-bags. No. 122,743; Sept. 10; v. 254; p. 447.
Schieffelin & Co., New York, N. Y. Antiseptic. No. 122,744; Sept. 10; v. 254; p. 447.
Schield, Henry, St. Louis, Mo. Surface cleaner and polisher for automobile-bodies and other enameled surfaces. No. 121,958; June 11; v. 251; p. 460.
Schinko, John M., Des Moines, Iowa. Hair-tonic. No. 122,235; July 9; v. 252; p. 501.
Schlesinger, Richard M., New Athens, Ill. Non-alcoholic carbonated maltless beverage and syrup for making same. No. 120,291; Jan. 29; v. 246; p. 1200.
Schlosser, Peter, Louisville, Ky. Medicinal preparation for the treatment of indigestion, flatulence, and disorders of the stomach. No. 121,214; Apr. 16; v. 249; p. 737.
Schneider, Elsie, Cleveland, Ohio. Knitting-machines. No. 121,954; June 11; v. 251; p. 460.
Schneider, Stefan, Chicago, Ill. Ball-bearings. No. 121,664; May 14; v. 250; p. 511.
Schnull and Company, Indianapolis, Ind. Certain named foods. No. 121,342; Apr. 23; v. 249; p. 982.
Schoeffel, George J., New York, N. Y. Certain named chemical preparation used as a binder and surface coating. No. 120,292; Jan. 29; v. 246; p. 1200.
Schoenfeld, Fanny E., New York, N. Y. Printed booklets. No. 120,224; Jan. 15; v. 246; p. 821.
Schoenfeld, Leo E., Chicago, Ill. Vermicelli, macaroni, spaghetti, alimentary paste, and noodles. No. 120,436; Feb. 5; v. 247; p. 241.
Schoenfeld, Leo E., Chicago, Ill. Olive-oil. No. 123,282; Oct. 22; v. 255; p. 826.
Schoenhofen Company, Chicago, Ill. Maltless cereal beverages sold as soft drinks. No. 122,104; June 25; v. 251; p. 836.

Alphabetical list of registrants of trade-marks—Continued.

Schoenhofen Company, Chicago, Ill. Certain non-alcoholic beverages. No. 123,389; Oct. 29; v. 255; p. 1051.
Schoenhofen Company, Chicago, Ill. Malt beverages. No. 122,995; Oct. 1; v. 255; p. 158.
Schofield, James D., assignor to Southern Rock Island Plow Company, Dallas, Tex. Cotton and corn planters. No. 124,052; Dec. 31; v. 257; p. 1078.
Schroeder, Henry P., St. Louis, Mo. Wine. No. 122,656; Sept. 3; v. 254; p. 221.
Schroeder & Tremayne, St. Louis, Mo. Cuban sheepswool sponges. No. 121,663; May 14; v. 250; p. 511.
Schuller, William H., Portland, Oreg. Ointment for treating goiters. No. 122,920; Sept. 24; v. 254; p. 863.
Schulman Company, The, Inc., New York, N. Y. Overcoats, blouses, coats, trousers, &c. No. 121,501; Apr. 30; v. 249; p. 1220.
Schulman Company, Inc., The, New York, N. Y. Certain named clothing. No. 123,283; Oct. 22; v. 255; p. 826.
Schultheis Valentine J., New York, N. Y. Cigarettes. No. 122,617; Aug. 27; v. 253; p. 950.
Schulze Remedy Co., The, Kansas City, Mo. Laxative tablets. No. 121,012; Mar. 19; v. 248; p. 765.
Schumann, Albin, Omaha, Nebr. Furniture-polish. No. 123,654; Nov. 19; v. 256; p. 643.
Schuylkill Silk Mills, Reading, Pa. Undergarment for women, comprising a knit silk knickerbocker. No. 122,236; July 9; v. 252; p. 501.
Schwall, Henry C., New York, N. Y. Wheat-flour. No. 120,437; Feb. 5; v. 247; p. 241.
Schwarz & Son, Newark, N. J. Cough-drops. No. 122,745; Sept. 10; v. 254; p. 447.
Schwarzenbach, Huber Company, The, New York, N. Y. Broad silks and satins in the piece. No. 122,746; Sept. 10; v. 254; p. 447.
Schweizer and West Manufacturing Company, Chicago, Ill. Aero-propellers. No. 120,299; Jan. 29; v. 246; p. 1201.
Scoban Co., The. (See Scott, Henry H., assignor.)
Scott & Bowne, Bloomfield, N. J. Digestive tablet. No. 122,747; Sept. 10; v. 254; p. 447.
Scott Butter Company, Inc., Norfolk, Va. Process butter. No. 121,343; Apr. 23; v. 249; p. 982.
Scott & Company, Limited, Boston, Mass. Coats. No. 121,831; May 28; v. 250; p. 995.
Scott, Henry H., assignor to The Scoban Co., New York, N. Y. Smokers' pouches. No. 122,539; Aug. 20; v. 253; p. 744.
Sea Island Cotton Oil Company, Charleston, S. C. Peanut-oil. No. 123,651; Nov. 19; v. 256; p. 643.
Sea Island Cotton Oil Company, Charleston, S. C. Peanut-flour. No. 123,652; Nov. 19; v. 256; p. 643.
Sealy Mattress Company, Sugar Land, Tex. Mattresses. Nos. 122,618–20; Aug. 27; v. 253; p. 950.
Sealy Mattress Co., Sugar Land, Tex. Mattresses. No. 123,163; Oct. 15; v. 255; p. 607.
Sealy Mattress Co., Sugar Land, Tex. Mattresses. No. 123,488; Nov. 12; v. 256; p. 449.
Sears, Roebuck and Co., Chicago, Ill. Certain named wireless apparatus. No. 120,438; Feb. 5; v. 247; p. 241.
Sears, Roebuck and Co., Chicago, Ill. Plastic and liquid substances for repairing roofs. No. 121,211; Apr. 16; v. 249; p. 737.
Sears, Roebuck and Co., Chicago, Ill. Aprons. No. 122,621; Apr. 27; v. 253; p. 950.
Sears, Roebuck and Co., Chicago, Ill. Babies' creepers. No. 123,859; Dec. 10; v. 257; p. 405.
Seattle Grocery Co. Inc., Seattle, Wash. Certain named foods. No. 121,955; June 11; v. 251; p. 460.
Seibert Mfg. Company, Camden, N. J. Detergent to be used as an aid to soap for washing purposes. No. 122,287; July 16; v. 252; p. 742.
Sentanel Remedies Company, The, Wilmington, Del., and Cincinnati, Ohio. Laxative tablets, kidney-pills, and cold-tablets. No. 120,641; Feb. 19; v. 247; p. 744.
Sentanel Remedies Company, Inc., The, Cincinnati, Ohio. Nerve-tonic in tablet form. No. 121,100; Apr. 2; v. 249; p. 233.
Sepol Laboratories, The, Portland, Oreg. Liquid saponified sheep-dip shampoo. No. 123,655; Nov. 19; v. 256; p. 643.
Servidor Company, The. (See Matchette, Frank J., assignor.)
Sesame Pharmaceutical Corporation, Enid, Okla. A preparation for the sexual organs. No. 121,344; Apr. 23; v. 249; p. 982.
Shanhouse & Sons, W., Rockford, Ill. Women's and girl's bifurcated outer garments. No. 121,014; Mar. 19; v. 248; p. 765.
Shapiro Bros., New York, N. Y. Knitted underwear, hosiery and sweaters. No. 120,693; Feb. 26; v. 247; p. 962.
Shapleigh Coffee Co., Boston, Mass. Coffee. No. 122,824; Sept. 17; v. 254; p. 652.
Shapleigh Hardware Company, St. Louis, Mo. Clocks and watches. No. 122,538; Aug. 20; v. 253; p. 744.
Sharer, John C., Alliance, Ohio. Remedy in pill and liquid form for indigestion and distress caused by overeating. No. 120,784; Mar. 5; v. 248; p. 231.
Sharp & Smith, Chicago, Ill. Athletic supporters, jockey-straps, and suspensory bandages. No. 120,786; Mar. 5; v. 248; p. 231.
Sharp Spark Plug Company, Cleveland, Ohio. Spark-plugs for internal-combustion engines. No. 123,164; Oct. 15; v. 255; p. 607.
Shaten, Nathan L., Camden, N. J. Gas-driven-automobile heaters. No. 122,108; June 25; v. 251; p. 836.
Shaw & Co., Alex D., New York, N. Y. Cocktails composed of vermuth, wine, and bitters. No. 121,213; Apr. 16; v. 249; p. 737.
Shaw & Co., Alex D., New York, N. Y. Sherry. No. 123,390; Oct. 29; v. 255; p. 1051.
Sheahan, Kohn & Co., Chicago, Ill. Outer garments for boys and young men. No. 120,906; Mar. 12; v. 248; p. 497.
Sheboygan Mineral Water Co., Sheboygan, Wis. Ginger-ale and sarsaparilla. No. 121,212; Apr. 16; v. 249; p. 737.
Sheestack, Antonia, Dobbs Ferry, N. Y. Hair-tonic. No. 123,860; Dec. 10; v. 257; p. 405.
Sheffield Pharmacal Co., Chicago, Ill. Depilatory for removing superfluous hair. No. 122,748; Sept. 10; v. 254; p. 447.
Sheinker & Son, W., New York, N. Y. Concentrated syrup for a non-intoxicating fruit beverage. No. 121,959; June 11; v. 251; p. 460.
Shelby Supply & Manufacturing Company, The., Cleveland, Ohio. Chewing-gum. No. 120,439; Feb. 5; v. 247; p. 241.
Shellabarger Company, R. M., West Liberty, Iowa. Remedy for certain named ailments, and general toning and strengthening agent. No. 121,013; Mar. 19; v. 248; p. 765.
Shellophone Talking Machine Company, Wilmington, Del., and Chicago, Ill. Talking-machines. No. 123,489; Nov. 12; v. 256; p. 449.
Shepard, Anna M., Brooklyn, N. Y. Hair-restorer in liquid or paste form, also used as a scalp-massage. No. 120,440; Feb. 5; v. 247; p. 241.
Sher-A-Coca Bottling Co., Incorporated, Lexington, Ky. Non-alcoholic maltless beverage sold as a soft drink. No. 121,956; June 11; v. 251; p. 460.
Shigon, Nathan A., New York, N. Y. Optical instrument for testing the eyes. No. 124,053; Dec. 31; v. 257; p. 1078.
Shoecraft Shop, The, Inc., New York, N. Y. Ladies' and misses' leather boots and shoes. No. 121,832; May 28; v. 250; p. 995.
Shores-Mueller Company, Cedar Rapids, Iowa. Medicines for removing stomach and intestinal worms from hogs. No. 123,761; Dec. 3; v. 257; p. 189.
Short's Florient Gum Co., St. Thomas, Ontario, Canada. Chewing-gum. No. 123,656; Nov. 19; v. 256; p. 643.
Shriver, Morris C., Pittsburgh, Pa. Thermometers. No. 122,237; July 9; v. 252; p. 501.
Shull-Day Co., Tacoma, Wash. Trousers. No. 120,907; Mar. 12; v. 248; p. 497.
Shultz Belting Company, St. Louis, Mo. Belting and belt-lacings composed wholly or partially of leather, fabric, or rubber. Nos. 121,215–16; Apr. 16; v. 249; p. 737.
Sicher & Co., D. E., New York, N. Y. Ladies' textile athletic underwear in one and two piece garments. No. 120,293; Jan. 29; v. 246; p. 1201.
Siegel, Samuel, Brooklyn, N. Y. Sheet-music. No. 121,686; May 14; v. 250; p. 512.
Sifo Products Company, St. Paul, Minn. Certain named construction materials. No. 121,217; Apr. 16; v. 249; p. 737.
Sifo Products Company, St. Paul, Minn. Asphalt roofing. No. 121,218; Apr. 16; v. 249; p. 737.
Sikes, Eugene W., Savannah, Ga. Medicine to relieve hog-cholera. No. 122,238; July 9; v. 252; p. 501.
Sill Stove Works, Rochester, N. Y. Heating-furnaces. No. 120,908; Mar. 12; v. 248; p. 497.
Silver & Co., Brooklyn, N. Y. Solidified alcohol. No. 122,921; Sept. 24; v. 254; p. 863.
Silver Manufacturing Company, The, Salem, Ohio. Metal-working drill-presses. No. 122,161; July 2; v. 252; p. 242.
Silverberg Import Co., Inc., New York, N. Y. Veils and hair-nets. No. 122,395; July 30; v. 252; p. 1140.
Silvers Manufacturing Company, Waterloo, Iowa. Portable sanitary closets. No. 120,118; Jan. 8; v. 246; p. 565.
Silverberg Import Co., New York, N. Y. Veils. No. 120,909; Mar. 12; v. 248; p. 498.
Silverberg Import Co., Inc., New York, N. Y. Buttons, snap-fasteners, hair-pins. No. 121,504; Apr. 30; v. 249; p. 1220.
Simon & Co., Alfred L., New York, N. Y. Certain named millinery supplies. No. 122,922; Sept. 24; v. 254; p. 863.
Simon & Co., Alfred L., New York, N. Y. Certain named clothing for women, misses, and children. No. 123,657; Nov. 19; v. 256; p. 643.
Simon & Co., Alfred L., New York, N. Y. Velvets, velveteens, silks, &c. No. 123,924; Dec. 17; v. 257; p. 644.
Simon & Mendelsohn, New York, N. Y. Petticoats. No. 121,505; Apr. 30; v. 249; p. 1220.
Simpson, Harry P., Cleveland, Ohio. Printed and painted signs for advertising. No. 120,694; Feb. 26; v. 247; p. 962.

Alphabetical list of registrants of trade-marks—Continued.

Simpson, Morton, Birmingham, Ala. Neckties. No. 120,642; Feb. 19; v. 247; p. 744.
Simpson, William W., New Brighton, Pa. Shaving-balm. No. 120,441; Feb. 5; v. 247; p. 241.
Sinclair Refining Company, Chicago, Ill. Lubricating-oils. No. 121,960; June 11; v. 251; p. 460.
Skibo Confectionery Co., New York, N. Y. Candy. No. 122,347; July 23; v. 252; p. 958.
Skinner Mfg. Co., Omaha, Nebr. Macaroni. No. 121,345; Apr. 23; v. 249; p. 982.
Skinner Mfg. Co., Omaha, Nebr. Prepared food composed of corn and wheat flours similar to cut spaghetti. No. 122,348; July 23; v. 252; p. 958.
Skinner Mfg. Co., Omaha, Nebr. Prepared flour made from rice and wheat flours. No. 123,165; Oct. 15; v. 255; p. 607.
Sladden, Sidney, New York, N. Y. Bank-stationery—viz., Pass-books, ledger and signature cards. No. 122,162; July 2; v. 252; p. 242.
Slater & Morrill, Incorporated, South Braintree, Mass. Boots and shoes. No. 122,043; June 18; v. 251; p. 672.
Slavin, Delia, Eldred, Pa. Ointment for old sores, eczema, cuts, burns, &c. No. 120,785; Mar. 5; v. 248; p. 231.
Slavin, Thomas, Woodstock, Ill. Ointment used for eczema. No. 122,105; June 25; v. 251; p. 836.
Smalley, Kivlan & Onthank, Boston, Mass. Fruit-jar rubbers. No. 123,065; Oct. 8; v. 255; p. 362.
Smaltz & Son, M. H., Stouchsburg, Pa. Cigars. No. 120,695; Feb. 26; v. 247; p. 962.
Smarte Garment Company, Los Angeles, Cal. Ladies' and children's overalls. No. 120,910; Mar. 12; v. 248; p. 498.
Smith, Albert C., Columbus, Ohio. Wheat-flour. No. 122,825; Sept. 17; v. 254; p. 653.
Smith, Allen, Jr., Camp Lewis, American Lake, near Tacoma, Wash. Hat-straps. No. 122,346; July 23; v. 252; p. 958.
Smith, Charles A., Windsor, Ontario, Canada. Automobile-trucks. No. 121,665; May 14; v. 250; p. 511.
Smith, Clarence R., Philadelphia, Pa. Tobacco cigarettes. No. 122,239; July 9; v. 252; p. 501.
Smith, Datus C., Blanchard, N. D. Clover, grass, and similar seeds. No. 121,961; June 11; v. 251; p. 460.
Smith, Frederick P., Lynn, Mass. Leather-dressing. Nos. 121,506–7; Apr. 30; v. 249; p. 1220.
Smith, Gordon, Mobile, Ala. Fruit cake. No. 120,912; Mar. 12; v. 248; p. 498.
Smith, Homer P., Appleton, Wis. Hair-pins. No. 123,762; Dec. 3; v. 257; p. 189.
Smith & Horton Co., Limited, Warren, Pa. Certain named foods. No. 121,666; May 14; v. 250; p. 512.
Smith, Kline & French Co., Philadelphia, Pa. Insecticide. No. 122,398; July 30; v. 252; p. 1140.
Smith & Nessle Co., Inc., New York, N. Y., and Eastport, Me. Canned sardines. No. 122,658; Sept. 3; v. 254; p. 221.
Smith & Nessle Co., Inc., New York, N. Y., and Eastport, Me. Canned sardines. No. 122,660; Sept. 3; v. 254; p. 222.
Smith & Nessle Co., Inc., New York, N. Y., and San Francisco, Cal. Canned sardines. No. 122,659; Sept. 3; v. 254; p. 221.
Smith & Nessle Co., Inc., New York, N. Y., and San Francisco, Cal. Canned sardines. No. 122,661; Sept. 3; v. 254; p. 222.
Smith & Nessle Co., Inc., New York, N. Y., and San Francisco, Cal. Canned sardines. No. 122,751; Sept. 10; v. 254; p. 447.
Smith & Nessle Co., Inc., New York, N. Y. Canned sardines. No. 122,923; Sept. 24; v. 254; p. 863.
Smith & Nessle Co., New York, N. Y. Canned sardines. Nos. 123,284–5; Oct. 22; v. 255; p. 826.
Smith & Nichols, Inc., New York, N. Y. Mineral waxes. No. 122,826; Sept. 17; v. 254; p. 653.
Smith, Roland V., Oklahoma, Okla. Inner tubes for automobile-tires. No. 121,508; Apr. 30; v. 249; p. 1220.
Smith, Thomas H., Buffalo, N. Y. Compound for washing fabrics. No. 123,066; Oct. 8; v. 255; p. 362.
Smith, William H., Newark, N. J. Traveling hand-bags. No. 121,729; May 21; v. 250; p. 764.
Sneed, Arthur L., Kansas City, Mo. Insecticides. Nos. 123,490–1; Nov. 12; v. 256; p. 449.
Snigo, James J., Pittsburgh, Pa. Pastry cones for water-ices and ice-cream, ice-cream and water-ice cones, candies, &c. No. 120,643; Feb. 19; v. 247; p. 744.
Snyder, George W., Racine, Wis. Roasted and unroasted breakfast cereals. No. 123,000; Oct. 1; v. 255; p. 158.
Sobrinos de Ezquiaga, San Juan, Porto Rico. Fertilizers. No. 121,705; May 21; v. 250; p. 763.
Società Anonima Fiuggi, Rome, Italy. Natural mineral water. No. 121,730; May 21; v. 250; p. 764.
Società Generale delle Conserve Alimentari Cirio, San Giovanni a Teduccio, near Naples, Italy. Tomato sauce. No. 120,443; Feb. 5; v. 247; p. 241.
Société Anonyme des Ateliers Piccard, Pictet et Cie., Geneva, Switzerland. Automobiles, automobile parts and accessories. No. 120,525; Feb. 12; v. 247; p. 476.
Société Chimique des Usines du Rhone Anciennement Gilliard, P. Monnet et Cartier, Paris, France. Derivative of antipyrin used as as antipyretic and antineuralgic. No. 122,752; Sept. 10; v. 254; p. 447.
Société Chimique des Usines du Rhone, Anciennement Gilliard P. Monnet et Cartier, Paris, France. Perfumery. No. 122,924; Sept. 24; v. 254; p. 863.
Société Chimique des Usines du Rhone Anciennement Gilliard, P. Monnet et Cartier, Paris, France. Celluloid. No. 123,286; Oct. 22; v. 255; p. 826.
Société Générale des Cirages Francais, Paris, France. Boot and shoe blacking. No. 122,163; July 2; v. 252; p. 242.
Society Maid Hosiery Co. Inc., New York, N. Y. Hosiery. No. 122,044; June 18; v. 251; p. 672.
Society of Chemical Industry in Basle, Basel, Switzerland. Certain pharmaceutical preparation to be used as antipyretics, anesthetics, analgesics. No. 121,219; Apr. 16; v. 249; p. 737.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. No. 122,540; Aug. 20; v. 253; p. 745.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. No. 122,753; Sept. 10; v. 254; p. 447.
Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical products to be used as anesthetics, hypnotics, &c. No. 122,754; Sept. 10; v. 254; p. 448.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. No. 122,755; Sept. 10; v. 254; p. 448.
Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical products to be used as narcotics, analgesics, &c. No. 122,756; Sept. 10; v. 254; p. 448.
Society of Chemical Industry in Basle, Basel, Switzerland. Certain named pharmaceutical preparations. No. 123,492; Nov. 12; v. 256; p. 449.
Sockeye Salmon Company, Seattle, Wash. Canned salmon. No. 121,346; Apr. 23; v. 249; p. 982.
Sodus Packing Co., Inc., Sodus, N. Y. Canned fruits and berries. No. 122,106; June 25; v. 251; p. 836.
Sodus Packing Co., Inc., Sodus, N. Y. Canned fruits and berries. No. 122,657; Sept. 3; v. 254; p. 221.
Solar Metal Products Co., Inc., Columbus, Ohio. Metal fireproof doors. No. 123,493; Nov. 12; v. 256; p. 449.
Solar Metal Products Co., Inc., Columbus, Ohio. Ice-cream and milk cans. No. 123,494; Nov. 12; v. 256; p. 449.
Solo Manufacturing Company, New York, N. Y. Chocolates, lemon drops, hard candies, &c. No. 122,107; June 25; v. 251; p. 836.
Solvay Process Company, Solvay, N. Y. Paper-filling material. No. 123,862; Dec. 10; v. 257; p. 405.
South Coast Canning Co., Inc., Long Beach, Cal. Canned sardines and tuna fish. No. 123,391; Oct. 29; v. 255; p. 1051.
Southern Colorado Lumber Co., Trinidad, Colo. Alfalfa, alfalfa-meal, pinto-beans. No. 121,568; May 7; v. 250; p. 252.
Southern Feed Company, Inc., Newport News, Va. Poultry feeds. No. 121,731; May 21; v. 250; p. 764.
Southern Feed Company, Inc., Newport News, Va. Stock feeds. No. 121,732; May 21; v. 250; p. 764.
Southern Oil & Ink Company, Savannah, Ga.; Nashville, Tenn., and New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 122,240; July 9; v. 252; p. 501.
Southern Roof Paint Company, Waxahachie, Tex. Ready-mixed paints. No. 123,166; Oct. 15; v. 255; p. 607.
Southern Turtle-Grip Company, Houston, Tex. Patches for repairing inner tubes. No. 122,925; Sept. 24; v. 254; p. 863
Southern Utilities Company, Jacksonville, Fla. Ice-coupons. No. 120,526; Feb. 12; v. 247; p. 476.
Southwestern Milling Co., The, Inc., New York, N. Y., and Kansas City, Mo. Wheat, rye, self-rising, and prepared flour. No. 120,644; Feb. 19; v. 247; p. 744.
Southwestern Syrup Co., El Paso, Tex. Table-syrups and candies. No. 121,101; Apr. 2; v. 249; p. 233.
Sparkling Silverspoon Co., Cleveland, Ohio. Non-alcoholic carbonated beverages. No. 120,045; Jan. 1; v. 246; 298.
Sparks, John C., New York, N. Y. Dyes. No. 122,757; Sept. 10; v. 254; p. 448.
Spartan Saw Works, Springfield, Mass. Certain named cutlery, machinery, and tools, and parts thereof. No. 121,962; June 11; v. 251; p. 460.
Specific Research Laboratories, Kansas City, Mo. Ointments and preparations for piles, fistula, and other rectal disturbances. No. 123,863; Dec. 10; v. 257; p. 406.
Spencer, Garnet F., Madison, S. C. Switch-throwing device for railway-switches. No. 121,015; Mar. 19; v. 248; p. 765.
Sperry & Beale Company, Brooklyn, N. Y. Stair-pads, carpet-linings, rug linings, and paddings. Nos. 122,996–7; Oct. 1; v. 255; p. 158.
Sperry Flour Company, San Francisco, Cal. Wheat-flour. No. 121,734; May 21; v. 250; p. 764.
Spicer Brothers (Colonial & Foreign) Ltd., London, England. Certain named chemicals, medicines, and pharmaceutical preparations. No. 122,926; Sept. 24; v. 254; p. 863.
Splitdorf Electrical Company, Newark, N. J. Electrical apparatus. No. 121,347; Apr. 23; v. 249; p. 982.

Alphabetical list of registrants of trade-marks—Continued.

Spoehr's, Chicago, Ill. Chocolate, cream, nut, and fruit candies. No. 123,658; Nov. 19; v. 256; p. 643.
Sprague, Douglas, Mount Vernon, N. Y. Insecticides. No. 121,348; Apr. 23; v. 249; p. 982.
Sprague Roller Mills, Sprague, Wash. Wheat-flour. No. 123,167; Oct. 15; v. 255; p. 607.
Spratt & Co., Geo., Sheboygan, Wis. High chairs. No. 120,227; Jan. 15; v. 246; p. 821.
Spring River Stone Co., Carthage, Mo. Marble and building-stone. No. 120,046; Jan. 1; v. 246; p. 298.
Sprintz, Samuel, New York, N. Y. Children's, misses', juniors', and ladies' dresses. No. 120,645; Feb. 19; v. 247; p. 744.
Squirrel House, Inc., The, Seattle, Wash. Salted nuts. No. 122,999; Oct. 1; v. 255; p. 158.
St. Joseph Brewing Co., St. Joseph, Mo. Non-intoxicating malt beverage to be sold as a soft drink. No. 120,914; Mar. 12; v. 248; p. 498.
St. Louis Brewing Association, St. Louis, Mo. Non-intoxicating non-alcoholic malt beverage. No. 120,226; Jan. 15; v. 246; p. 821.
St. Louis Brass Manufacturing Company, St. Louis, Mo. Fixtures for electric lights. No. 121,019; Mar. 19; v. 248; p. 765.
St. Louis Tin & Sheet Metal Working Company, St. Louis, Mo. Suitcase. No. 121,146; Apr. 2; v. 249; p. 503.
St. Louis Washing Machine Company, Red Bud, Ill., and St. Louis, Mo. Laundry-washing machines and combined washing-machines and wringers. No. 123,392; Oct. 29; v. 255; p. 1051.
St. Mungo Manufacturing Company of America, Newark, N. J. Golf-balls. No. 121,210; Apr. 16; v. 249; p. 736.
Stadeker, Gilbert I., Chicago, Ill. Automobile-wind-shield wiper. No. 123,168; Oct. 15; v. 255; p. 607.
Stadt and Kremer, Grand Rapids, Mich. Pharmaceutical preparation for use in connection with disorders of the digestive organs. No. 120,911; Mar. 12; v. 248; p. 498.
Stafflin, Edwin A., Toledo, Ohio. Baking and cooking preparation to take the place of eggs. No. 122,624; Aug. 27; v. 253; p. 950.
Stafford, George A., New York, N. Y. Woven cotton fabrics in the piece. No. 121,829; May 28; v. 250; p. 995.
Stanard, Oscar L., Huntington, W. Va., and New York, N. Y. Certain named clothing. No. 122,758; Sept. 10; v. 254; p. 448.
Standard Electric Company, Cedar Rapids, Iowa. Certain named electrical apparatus, machines, and supplies. No. 123,659; Nov. 19; v. 256; p. 643.
Standard Hide & Fur Co., New Orleans, La. Hides, raw furs, wool, crude rubber. No. 122,541; Aug. 20; v. 253; p. 745.
Standard Bottling and Extract Co. Inc., Boston, Mass. Certain named non-alcoholic beverages. No. 121,103; Apr. 2; v. 249; p. 233.
Standard Oil Company, Bayonne, N. J. Certain named petroleum products. No. 120,787; Mar. 5; v. 248; p. 231.
Standard Oil Company, Bayonne, N. J. Certain named oils and greases. No. 122,349; July 23; v. 252; p. 958.
Standard Oil Company, Bayonne, N. J. Lubricating-oil. No. 123,169; Oct. 15; v. 255; p. 607.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Cleaning and polishing oil. No. 121,016; Mar. 19; v. 248; p. 765.
Standard Oil Company of New York, New York, N. Y. Ready-mixed paints. No. 120,444; Feb. 5; v. 247; p. 241.
Standard Oil Company of New York, New York, N. Y. Oil lamps, lanterns, stoves, and heaters. No. 122,109; June 25; v. 251; p. 836.
Standard Pneumatic Action Company, New York, N. Y. Pianos, organs, player-pianos, &c. Nos. 123,495–6; Nov. 12; v. 256; p. 449.
Standard Remedy Company, Lynn, Mass. Veterinary remedies for horses, cattle, sheep, and hogs. No. 120,788; Mar. 5; v. 248; p. 232.
Standard Silk Dyeing Company, Paterson, N. J. Piece-dyed and piece dyed and finished silks and silk and cotton goods. No. 122,350; July 23; v. 252; p. 958.
Standard Tobacco Company, Inc., Richmond, Va. Cigars, cigarettes, tobacco. No. 123,497; Nov. 12; v. 256; p. 449.
Standard Ultramarine Co., The, Huntington, W. Va. Laundry blues. No. 121,349; Apr. 23; v. 249; p. 982.
Standard Varnish Works, New York, N. Y. Varnishes, stains, enamels, japans, driers, dry and ready-mixed paints. No. 122,241; July 9; v. 252; p. 501.
Standard Water Systems Co., Hampton, N. J. Distilled water for drinking and other purposes. No. 121,350; Apr. 23; v. 249; p. 982.
Standard Woven Fabric Company, Walpole, Mass. Impregnated fabrics for certain named purposes. No. 120,121; Jan. 8; v. 246; p. 565.
Stannard, Clara S., Springfield, Mass. Expansion-sleeves. No. 123,170; Oct. 15; v. 255; p. 607.
Star Chemical Company, Philadelphia, Pa. Printing-roller wash and preservative. No. 122,164; July 2; v. 252; p. 242.
Star & Co., Jules, New York, N. Y. Undressed hides and skins. No. 123,288; Oct. 22; v. 255; p. 826.
Star Company, New York, N. Y. Newspaper-sections. No. 123,864; Dec. 10; v. 257; p. 406.
Star Oil Company, The, Chicago, Ill. Lubricating oils and greases. No. 121,963; June 11; v. 251; p. 460.
Star Oil Company, The, Chicago, Ill. Lubricating-oil. Nos. 122,288–9; July 16; v. 252; p. 742.
Starnes, Minnie, St. Louis, Mo. Preparation for cleaning the scalp and pressing and cleaning the hair. No. 122,111; June 25; v. 251; p. 836.
Staten Island Chemical Corporation, The, Paterson, N. J., and New York, N. Y. Chemical compounds suitable for the softening of water. No. 122,242; July 9; v. 252; p. 501.
Static Neutralizer Co., Chicago, Ill. Composition for preventing injurious accumulation of static electricity in printing-presses. No. 120,445; Feb. 5; v. 247; p. 241.
Steel Fabricating Company, Chicago Heights, Ill. Sectional steel buildings. No. 122,542; Aug. 20; v. 253; p. 745.
Steeleville Milling Company, Steeleville, Ill. Self-rising wheat-flour. No. 122,396; July 30; v. 252; p. 1140.
Steelwhite Company, Inc., The, Jamestown, N. Y. Kitchen-cabinets. No. 121,509; Apr. 30; v. 249; p. 1220.
Steger & Sons Piano Manufacturing Co., Steger, Ill. Pianos, player-pianos, and talking-machines. No. 121,018; Mar. 19; v. 248; p. 765.
Stein Brothers Manufacturing Cimpany, Williamsport, Pa. Buttons for wearing-apparel. No. 121,964; June 11; v. 251; p. 460.
Stenotype Company, The, Indianapolis, Ind. Lathes, metal-milling machines, cutters, and parts for such machines and lathes, and grinding-machines. No. 120,789; Mar. 5; v. 248; p. 232.
Stenotype Company, The, Indianapolis, Ind. Stenographic writing-machines. No. 122,543; Aug. 20; v. 253; p. 745.
Stephan Brothers, Shelbyville, Ind. Heel-fastener plate for boots and shoes. No. 120,446; Feb. 5; v. 247; p. 241.
Stephens-Adamson Mfg. Co., Aurora, Ill. House organ published monthly. No. 123,289; Oct. 22; v. 255; p. 826.
Sterling Lumber Co., The, Cincinnati, Ohio. Certain named building construction. No. 120,295; Jan. 20; v. 246; p. 1201.
Stern, Nathan, Brooklyn, N. Y. Alpine-herb tea, a laxative for constipation. No. 120,646; Feb. 19; v. 247; p. 744.
Stewart Fruit Co., Los Angeles, Cal. Oranges. No. 120,915; Mar. 12; v. 248; p. 498.
Stewart Hartshorn Co., East Newark, N. J. Window-shades and shade-rollers. No. 123,498; Nov. 12; v. 256; p. 449.
Stewart & Sparry, New York, N. Y. Bunting. No. 122,112; June 25; v. 251; p. 836.
Stiles-Pellens Coffee Co., Cincinnati, Ohio. Coffee. No. 122,351; July 23; v. 252; p. 958.
Stiles, Pellens Coffee Company, Cincinnati, Ohio. Coffee. No. 120,696; Feb. 26; v. 247; p. 962.
Stillman, Louis, New York, N. Y. Coats and suits. No. 121,965; June 11; v. 251; p. 460.
Stirn, L. & E., New York, N. Y. Cotton piece goods. No. 121,830; May 28; v. 250; p. 995.
Stokien, Francis J., Brooklyn, N. Y. Ointment used externally in the treatment of certain named affections. No. 123,499; Nov. 12; v. 256; p. 449.
Stoll, Robert, New York, N. Y. Certain named jewelry. No. 123,500; Nov. 12; v. 256; p. 449.
Stone, H. Bruce, Toledo, Ohio. Preparation for the treatment of venereal diseases. No. 120,122; Jan. 8; v. 246; p. 565.
Stone Ordean Wells Co., Duluth, Minn. Chewing and smoking tobacco, cigars, and cigarettes. No. 120,697; Feb. 26; v. 247; p. 962.
Stowe Supply Company, Kansas City, Mo. Certain named cutlery, machinery, and tools, and parts thereof. No. 123,660; Nov. 19; v. 256; p. 643.
Straits Packing Co., Seattle, Wash. Canned salmon. No. 122,827; Sept. 17; v. 254; p. 653.
Strasburger, Byron L., New York, N. Y. Watch-movements. No. 121,510; Apr. 30; v. 249; p. 1221.
Strasburger, Byron L., New York, N. Y. Watch-movements, watchcases, and watches. Nos. 123,865–6; Dec. 10; v. 257; p. 406.
Strock, Joseph G., Pittsburgh, Pa. Metallic packing. No. 122,113; June 25; v. 251; p. 837.
Strong Machy. & Supply Co., The, New York, N. Y. Gage-glasses. No. 123,291; Oct. 22; v. 255; p. 826.
Strong, Mary J., Portland, Oreg. Ointment or salve for the treatment of old sores, cancers, new cuts, eczema, &c. No. 120,296; Jan. 29; v. 246; p. 1201.
Studer, Bernard E., Los Angeles, Cal. Remedy for nervous condtions due to the monthly periods or change of life. No. 122,165; July 2; v. 252; p. 242.
Stuebner's Sons, B., Brooklyn, N. Y. Liquid shampoos. No. 120,225; Jan. 15; v. 246; p. 821.
Stuhlmiller, William, New York, N. Y. Pigments mixed with water, comprising calcimine and water-paint. No. 121,020; Mar. 19; v. 248; p. 765.
Success Seed Grader Company, Spokane, Wash. Seed-graders. No. 122,243; July 9; v. 252; p. 501.

Alphabetical list of registrants of trade-marks—Continued.

Suckling & Sons, William, Birmingham, England. Certain named electrical apparatus, machines, and supplies. No. 123,661; Nov. 19; v. 256; p. 643.
Suffragette Laboratories Co., Cleveland, Ohio. Chewing-gum. No. 121,351; Apr. 23; v. 249; p. 982.
Sullivan, Daniel, St. Louis, Mo. Game-boards. No. 123,067; Oct. 8; v. 255; p. 363.
Summit China Company, The, East Akron and Cleveland, Ohio. Semiporcelain dinnerware. No. 121,220; Apr. 16; v. 249; p. 737.
Summit Thread Company, East Hampton, Conn. Cotton thread. No. 121,667; May 14; v. 250; p. 512.
Sunbeam Chemical Company, Chicago, Ill. Dyes combined with soap. No. 121,352; Apr. 23; v. 249; p. 982.
Sunbeam Chemical Company, Chicago, Ill. Dyes combined with soap. No. 123,001; Oct. 1; v. 255; p. 158.
Sunbeam Chemical Company, Chicago, Ill. Dyes combined with soap. No. 123,501; Nov. 12; v. 256; p. 449.
Sunbeam Chemical Company, Chicago, Ill. Dyes combined with soap. No. 123,662; Nov. 19; v. 256; p. 643.
Sunshine Soda Company, New York, N. Y. Cleaning-soda. No. 123,393; Oct. 29; v. 255; p. 1051.
Super-Value Company, The, New York, N. Y., and Savannah, Ga. Men's coats, vests, and trousers. No. 120,449; Feb. 5; v. 247; p. 241.
Superior Products Company, St. Louis, Mo. Baking compound used as a shortening. No. 121,733; May 21; v. 250; p. 764.
Superfix Rubber Company, Elyria, Ohio. Rubber cement. No. 123,171; Oct. 15; v. 255; p. 607.
Surety Manufacturing Company, St. Louis, Mo. Heel and toe plates. No. 121,353; Apr. 23; v. 249; p. 982.
Sussman Wormser & Co., San Francisco, Cal. Certain named foods. No. 121,735; May 21; v. 250; p. 764.
Suttliff, Henry, San Francisco, Cal. Tobacco, cigars, cigarettes. No. 123,068; Oct. 8; v. 255; p. 363.
Swan & Finch Co., New York, N. Y. Lubricating-oil particularly designed for gasolene-engines. No. 120,791; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Lubricating-oil for machinery and metal-cutting purposes. No. 120,792; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Lubricating-oil for marine engines. No. 120,793; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Lubricating-oil for wire rope, chains, and heavy exposed gears. No. 120,794; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Lubricating-oil particularly for aeroplane-motors. No. 120,795; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Oil particularly adapted for metal-cutting. No. 120,796; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Grease adapted to swab drop-forging dies. No. 120,797; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Lubricating-grease. Nos. 120,798–9; Mar. 5; v. 248; p. 232.
Swan & Finch Co., New York, N. Y. Oil particularly used for making cores for malleable and gray iron castings. No. 121,221; Apr. 16; v. 249; p. 737.
Sweeney, Eugene, New York, N. Y. Nasal spray, mouth-wash, gargle, and douche. No. 120,450; Feb. 5; v. 247; p. 241.
Sweet-Orr & Co., Inc., New York, N. Y. Overalls for women. No. 120,123; Jan. 8; v. 246; p. 565.
Sweet Valley Wine Company, The, Sandusky, Ohio. Wines. No. 120,298; Jan. 29; v. 246; p. 1201.
Sweney, Helene L., Boston, Mass. Hooks for portières and draperies and similar purposes. No. 122,545; Aug. 20; v. 253; p. 745.
Swift and Company, Chicago, Ill. Nut oleomargarin. No. 121,966; June 11; v. 251; p. 460.
Swift & Company, Chicago, Ill. Chilled and frozen beef, offal, pork, and mutton. No. 122,045; June 18; v. 251; p. 672.
Swift and Company, Chicago, Ill. Poultry feed. No. 122,290; July 16; v. 252; p. 742.
Swift & Company, Chicago, Ill. Oleomargarin. Nos. 122,353–4; July 23; v. 252; p. 958.
Swift and Co., Chicago, Ill. Oleomargarin. No. 122,623; Aug. 27; v. 253; p. 950.
Swift and Company, Chicago, Ill. Canned beef. No. 122,622; Aug. 27; v. 253; p. 950.
Swift and Company, Chicago, Ill. Oleomargarin. No. 122,828; Sept. 17; v. 254; p. 653.
Swiss Manufacturing Company, San Francisco, Cal. Fruit-juice extractors. No. 121,967; June 11; v. 251; p. 460.
Sylvester Bros. Co., Seattle, Wash. Canned fruits, vegetables, and shrimp. No. 120,228; Jan. 15; v. 246; p. 821.
Sylvestre, Dr. Paul, New York, N. Y. Face-powder. No. 123,867; Dec. 10; v. 257; p. 406.
Symons Bros. & Co., Saginaw, Mich. Coffee. No. 122,352; July 23; v. 252; p. 958.
Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. No. 122,114; June 25; v. 251; p. 837.
Syracuse Smelting Works, Brooklyn, N. Y. Type-metal alloys. No. 123,172; Oct. 15; v. 255; p. 607.
Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. No. 124,054; Dec. 31; v. 257; p. 1078.
T. A. Shaw and Co., New York, N. Y., and Chicago, Ill. Cotton piece goods. No. 121,502; Apr. 30; v. 249; p. 1220.
T. A. Shaw and Co., New York, N. Y., and Chicago, Ill. Cotton duck, sheetings, drills, and osnaburgs. No. 121,828; May 28; v. 250; p. 995.
T. A. Willson & Co., Inc., Reading, Pa. Eyeglasses. No. 121,994; June 11; v. 251; p. 461.
T. J. Mitchell & Co., New York, N. Y. Broad silk and crape in the piece. No. 123,918; Dec. 17; v. 257; p. 644.
T. P. Walls Tool & Supply Co. Inc., New York, N. Y. Files. No. 120,807; Mar. 5; v. 248; p. 232.
T. P. Walls Tool & Supply Co. Inc., New York, N. Y. Endless abrasive grinding, polishing, and finishing belts. No. 121,525; Apr. 30; v. 249; p. 1221.
Takamine Laboratory, Inc., New York, N. Y. Salts, bases, or compounds of aminoxyarsenobenzene or other derivations of oxyarlarsinic acids. Nos. 121,511–12; Apr. 30; v. 249; p. 1221.
Talbot Manufacturing Co., New York, N. Y. Indian vegetable gum used as a constituent for ice-cream. No. 121,835; May 28; v. 250; p. 995.
Tankins, Sacramenta G., Atlantic City, N. J. Tonic and dressing for the human hair. No. 123,868; Dec. 10; v. 257; p. 406.
Tanner, William E., Lewiston, Me. Ginger-ale. No. 122,411; Aug. 13; v. 253; p. 509.
Tanners Extract & Chemical Works, Inc., Mariners Harbor, N. Y. Tanning extract or preparation. No. 122,759; Sept. 10; v. 254; p. 448.
Tanty, Incorporated, Freeport and New York, N. Y. Perfumery, cosmetics, toilet waters, &c. No. 123,925; Dec. 17; v. 257; p. 644.
Taplex Corporation. (See Tapley Specialty Co., The.)
Tapley Specialty Co., The, New York, N. Y., assignor to Taplex Corporation. Pocket-stoves using charcoal as a fuel. No. 121,683; May 14; v. 250; p. 512.
Taunton Pearl Works, Inc., Taunton, Mass. Certain-named jewelry and precious-metal ware. No. 121,834; May 28; v. 250; p. 995.
Taylor, Clapp & Beall, New York, N. Y. Cotton piece goods. Nos. 120,229–30; Jan. 15; v. 246; p. 821.
Taylor, Clapp & Beall, New York, N. Y. Cotton piece goods. No. 121,513; Apr. 30; v. 249; p. 1221.
Taylor, Clapp & Beall, New York, N. Y. Bleached and brown cotton sheetings. No. 123,292; Oct. 22; v. 255; p. 826.
Taylor & Hepp, Brooklyn, N. Y. Certain named articles made wholly or in part of paper. No. 121,222; Apr. 16; v. 249; p. 737.
Te Jure Products Company, Inc., The, New York, N. Y. Disinfectant-diffusing apparatus. No. 121,223; Apr. 16; v. 249; p. 737.
Teague, Arthur M., Sherman, Tex. Certain named prints and publications. No. 121,514; Apr. 30; v. 249; p. 1221.
Tebbetts & Garland Store, The, Chicago, Ill. Tea. No. 120,451; Feb. 5; v. 247; p. 241.
Tebbetts & Garland Store, The, Chicago, Ill. Coffee. No. 120,452; Feb. 5; v. 247; p. 241.
Tebbetts and Garland Store, The, Chicago, Ill. Certain named foods. No. 120,453; Feb. 5; v. 247; p. 241.
Tedcastle & Co., A. W., Boston, Mass. Misses' and children's leather and canvas and leather shoes. No. 123,293; Oct. 22; v. 255; p. 826.
Telegrafo Cigar Co. Inc., New York, N. Y. Cigars. No. 120,527; Feb. 12; v. 247; p. 476.
Tennessee Coal, Iron & Railroad Co., Birmingham, Ala. Annealed and unannealed special tool-steel. No. 121,968; June 11; v. 251; p. 460.
Teplow, Morris, Jersey City, N. J. Preparation for the treatment of certain named diseases. No. 120,454; Feb. 5; v. 247; p. 241.
Tepper Briquette Binder, Inc., New York, N. Y. Paint-remover. No. 121,970; June 11; v. 251; p. 461.
Terzich, John M., Sutter Creek, Cal. Electric switches. No. 122,245; July 9; v. 252; p. 501.
Tessicini, Elvira, New York, N. Y. Medicine for nervous, anemic, rheumatic, and stomach diseases. No. 121,971; June 11; v. 251; p. 461.
Textile Utilities Corporation, Wilmington, Del., and Philadelphia, Pa. Piece knit goods. No. 121,515; Apr. 30; v. 249; p. 1221.
Thames Drug Company, Beaumont, Tex. Chemical ant-exterminator. No. 122,246; July 9; v. 252; p. 501.
"The Durable" Printers' Company, Limited, London, England. Composition for covering printers' rollers. No. 120,667; Feb. 26; v. 247; p. 961.
Thermoid Rubber Company, Hamilton township, Trenton, N. J. Brake-linings. No. 123,294; Oct. 22; v. 255; p. 826.
Thomas A. Edison, Incorporated, West Orange, N. J. Monthly periodicals. No. 122,073; June 25; v. 251; p. 835.
Thomas A. Edison, Incorporated, West Orange, N. J. Dictating-machines. No. 123,028; Oct. 8; v. 255; p. 361.
Thomas Advertising Service, The, Jacksonville, Fla. Spread made from citrus fruits. No. 121,354; Apr. 23; v. 249; p. 982.

Alphabetical list of registrants of trade-marks—Continued.

Thomas Co., W. H., Spencer, Iowa. Foot-accelerator being a mechanical device for controlling fuel-supply for internal-combustion engines. No. 121,972; June 11; v. 251; p. 461.
Thomas, Edwin T., Chicago, Ill. Motor and baby caps. No. 122,166; July 2; v. 252; p. 242.
Thomas G. Plant Company, Boston, Mass. Shoes of leather, rubber, fiber, felt, or other fabric construction. No. 120,627; Feb. 19; v. 247; p. 743.
Thomas Harper & Sons Ltd., Redditch and London, England. Hand sewing-needles, crochet-hooks, bodkins, and knitting-needles. No. 120,528; Feb. 12; v. 247; p. 476.
Thomas Harper & Sons Ltd., Redditch and London, England. Hand sewing-machines. No. 122,210; July 9; v. 252; p. 500.
Thomas Manufacturing Co., The, Baltimore, Md. Prepared chalk and whiting for medicinal purposes. No. 120,301; Jan. 29; v. 246; p. 1201.
Thomson Wood Finishing Co., The, Philadelphia, Pa. Certain named paints and painters' materials. No. 121,355; Apr. 23; v. 249; p. 982.
Thorp & Martin Typewriter Co., Boston, Mass. Inks. No. 123,764; Dec. 3; v. 257; p. 189.
Thos. H. Ince Corporation, The, Los Angeles, Cal. Motion-picture films. No. 121,623; May 14; v. 250; p. 510.
Three Minute Noodle Co., New York, N. Y. Noodles. No. 123,395; Oct. 29; v. 255; p. 1051.
Tichenor, Nimrod B., New York, N. Y. Overalls and work pants, shirts, and jumpers. No. 121,516; Apr. 30; v. 249; p. 1221.
Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Certain named motor-spirits. No. 121,973; June 11; v. 251; p. 461.
Times Square Auto Supply Co., Inc., New York, N. Y. Automobile-tires of rubber and leather, inner tubes, piston-rings. No. 123,003; Oct. 1; v. 255; p. 158.
Tirrell, Ruth L., Boston, Mass. Lotion for giving strength, tone, and firmness to flabby, &c., skin. No. 122,760; Sept. 10; v. 254; p. 448.
Titan Metal Company, Milesburg and Bellefonte, Pa. Bronzes, round, square, hexagonal, and rolled and cold-drawn bronze bars. No. 120,800; Mar. 5; v. 248; p. 232.
Titan Metal Company, Milesburg and Bellefonte, Pa. Brass rods, naval brass, Muntz's metal, and other brasses. No. 120,801; Mar. 5; v. 248; p. 232.
Titus Blatter & Co., New York, N. Y. Handkerchiefs. No. 121,395; Apr. 30; v. 249; p. 1217.
Titus Blatter & Company, New York, N. Y. Artificial and imitation leather. No. 121,582; May 14; v. 250; p. 509.
Titus, Helena J., New York, N. Y. Certain named pharmaceutical preparations for toilet purposes. No. 122,399; July 30; v. 252; p. 1140.
Titusville Elastic Chair Company Ltd., Titusville, Pa. Gage-poles. No. 124,056; Dec. 31; v. 257; p. 1078.
Tobacco Products Corporation, New York, N. Y. Cigars, cigarettes, tobacco. No. 121,356; Apr. 23; v. 249; p. 982.
Tobacco Products Corporation, New York, N. Y. Cigars, cigarettes, tobacco. Nos. 123,070–1; Oct. 8; v. 255; p. 363.
Todd, William A., Jr., St. Louis, Mo. Face-powder. No. 120,124; Jan. 8; v. 246; p. 565.
Toledo Cooker Company, The, Toledo, Ohio. Fireless cook-stoves. No. 123,002; Oct. 1; v. 255; p. 158.
Toledo Merchandise Company, The, Toledo, Ohio. Brooms. No. 120,917; Mar. 12; v. 248; p. 498.
Tomkins, Kittie N., Tomkins Cove, N. Y. Growing and cut plants and flowers, bulbs, roots, seeds, vines, and trees. No. 120,125; Jan. 8; v. 246; p. 565.
Tomlinson & Co., W. H., Bay City, Mich. Rubber putty. No. 122,761; Sept. 10; v. 254; p. 448.
Toomey, Cornelius P., New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 122,762; Sept. 10; v. 254; p. 448.
Toone & Wells Ltd., Leicester, England. Certain named clothing. No. 122,047; June 18; v. 251; p. 672.
Top Notch Company, Inc., The, College Point, N. Y. Canvas-uppered rubber-soled footwear. No. 120,231; Jan. 15; v. 246; p. 821.
Torrington Company. (See Excelsior Needle Company, assignor.)
Tower, Russell B., Cohasset, Mass. Hair-nets. No. 121,517; Apr. 30; v. 249; p. 1221.
Tower Varnish & Dryer Company, The, Dayton, Ohio. Paint-oils, varnishes, driers, and fillers. No. 121,357; Apr. 23; v. 249; p. 982.
Tower Varnish & Dryer Company, Dayton, Ohio. Varnishes, driers, japans, paints, enamels. No. 121,668; May 14; v. 250; p. 512.
Towers & Sullivan Mfg. Co., Rome, Ga. Certain named agricultural implements. No. 121,358; Apr. 23; v. 249; p. 982.
Townsend & Co., E. M., New York, N. Y. Hosiery. No. 123,765; Dec. 3; v. 257; p. 189.
Toy Tinkers, The, Evanston, Ill. Toy construction-blocks. No. 121,021; Mar. 19; v. 248; p. 765.
Tozzi, Peter W., Weehawken, N. J. Cigars, cigarettes, cheroots, smoking-tobacco. No. 123,502; Nov. 12; v. 256; p. 450.

Train & McIntyre, Limited, Glasgow, Scotland. Whisky. No. 120,272; Jan. 29; v. 246; p. 1200.
Trautwein, William T., New York, N. Y. Scalp-tonic. No. 120,455; Feb. 5; v. 247; p. 241.
Trenton Porcelain Company, Trenton, N. J. Porcelain wiring-knobs. No. 121,359; Apr. 23; v. 249; p. 982.
Tri-Continental Corporation, Buffalo, N. Y. Wind-shield cleaners. No. 123,173; Oct. 15; v. 255; p. 608.
Triple Action Spring Company, New York, N. Y. Certain named springs, clips, bolts, bushings, and rebound-clips for vehicles. No. 121,518; Apr. 30; v. 249; p. 1221.
Trivers & Bro., Nathan, New York, N. Y. Coats, pants, vests, overcoats. No. 123,628; Nov. 19; v. 256; p. 642.
Tropical Co-Operative Company, The, Jacksonville, Fla. Certain named medicine for live stock and poultry. No. 123,394; Oct. 29; v. 255; p. 1051.
Tropical Co-Operative Company, The, Jacksonville, Fla. Chill-tonic, liver-pills, cold-tablets, hair-tonic. No. 123,396; Oct. 29; v. 255; p. 1051.
Troy Chemical Company, Binghamton, N. Y. Cattle and stock medicine and tonic. No. 122,167; July 2; v. 252; p. 242.
Tru Blu Biscuit Company, Spokane, Wash. Candy. No. 123,397; Oct. 29; v. 255; p. 1051.
True's Oil Company, Spokane, Wash. Liquid fuels comprising kerosene, &c., for internal-combustion engines and motors. No. 121,974; June 11; v. 251; p. 461.
Trumble, C. B., Syracuse, N. Y. Animal-traps. No. 122,116; June 25; v. 251; p. 837.
Truscon Steel Company, Youngstown, Ohio, and Detroit, Mich. Certain named paints and painters' materials. No. 124,057; Dec. 31; v. 257; p. 1078.
Trussed Concrete Steel Company, Detroit, Mich. Asbestos shingles and building-lumber. No. 120,047; Jan. 1; v. 246; p. 298.
Tryon, Charley I., Little Rock, Ark. Certain named chemicals, medicines, and pharmaceutical preparations. No. 121,736; May 21; v. 250; p. 764.
Tubo Mfg. Co., assignor to Tubo Manufacturing Company, St. Louis, Mo. Puncture-sealing preparation for pneumatic tubes. No. 123,503; Nov. 12; v. 256; p. 450.
Tufbrec Products Company, Seattle, Wash. Building material. No. 121,224; Apr. 16; v. 249; p. 737.
Tuisku, John, Eureka, Cal. Saw-guides. No. 121,360; Apr. 23; v. 249; p. 982.
Tupelo Cotton Mills, Tupelo, Miss. Cotton cheviots. No. 122,412; Aug. 13; v. 253; p. 509.
Turk, Israel S., New York, N. Y. Salve for rheumatism, neuralgia, sciatica, &c. No. 123,004; Oct. 1; v. 255; p. 159.
Turkish Remedy Company, Brooklyn, N. Y. Remedy for the treatment of corns. No. 121,106; Apr. 2; v. 249; p. 233.
Turnbull Elevator Mfg. Co., The, Toronto, Ontario, Canada. Munitions-gages. No. 123,295; Oct. 22; v. 255; p. 826.
Turner, Alfred C., Boston, Mass. Liquid preparations for hardening, preserving, and waterproofing concrete floors. No. 121,975; June 11; v. 251; p. 461.
Turner & Son, W. H., Afton, Va. Seed-corn. No. 120,529; Feb. 12; v. 247; p. 477.
Turney, John J., Philadelphia, Pa. Wheat-flour. No. 123,072; Oct. 8; v. 255; p. 363.
Tustin Hills Citrus Association, Tustin, Cal. Lemons. No. 123,073; Oct. 8; v. 255; p. 363.
Tustin Lemon Association, Tustin, Cal. Lemons. No. 121,361; Apr. 23; v. 249; p. 982.
Tyler, John L., Clarksdale, Miss. Carbonated non-alcoholic beverage and syrup for the manufacture of same. No. 120,918; Mar. 12; v. 248; p. 498.
U-Vo-Gast Chemical Company, Ansonia, Conn. Stomach-drops. No. 121,362; Apr. 23; v. 249; p. 983.
U. S. Inperio Manufacturing Company, Chattahoochee, Ga. Chemical composition for waterproofing certain named fabrics and paper. No. 123,398; Oct. 29; v. 255; p. 1051.
U. T. Hungerford Brass & Copper Co., New York, N. Y. Electric insulated weatherproof underwriters' wire. No. 122,465; Aug. 20; v. 253; p. 742.
Uhlemann Optical Co., Chicago, Ill. Ophthalmic mountings, parts, and fixtures. No. 121,363; Apr. 23; v. 249; p. 983.
Uhlemann Optical Co., Chicago, Ill. Mountings for eyeglass-lenses. No. 121,669; May 14; v. 250; p. 512.
Uhlemann Optical Co., Chicago, Ill. Monthly publication. No. 123,005; Oct. 1; v. 255; p. 159.
Uhry, Edmond, New York, N. Y. Ladies' trimmed and tailored hats. No. 121,519; Apr. 30; v. 249; p. 1221.
Ulmer Leather Co., The, Norwich, Conn. Belt-cement. No. 122,413; Aug. 13; v. 253; p. 509.
Ulmer Leather Co., The, Norwich, Conn. Waterproof cement for leather goods, belting, &c. Nos. 122,547–8; Aug. 20; v. 253; p. 745.
Ulmer Leather Co., The, Norwich, Conn. Leather belting. No. 122,549; Aug. 20; v. 253; p. 745.
Ulmer Leather Co., The, Norwich, Conn. Cement for leather goods and belting. No. 122,550; Aug. 20; v. 253; p. 745.
Ulmer Leather Co., The, Norwich, Conn. Belt-dressing. No. 122,928; Sept. 24; v. 254; p. 864.

Alphabetical list of registrants of trade-marks—Continued.

Ulmer Leather Co., Norwich, Conn. Leather-belting. Nos. 122,929–31; Sept. 24; v. 254; p. 864.
Ulmer Leather Co., The, Norwich, Conn. Leather belting. No. 123,664; Nov. 19; v. 256; p. 643.
Ulmer Leather Co., Norwich, Conn. Belt-dressing. No. 123,926; Dec. 17; v. 257; p. 644.
Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Wrapping-papers. Nos. 123,766–7; Dec. 3; v. 257; p. 189.
Union Drawn Steel Company, Beaver Falls, Pa. Bright-finished steel. No. 121,670; May 14; v. 250; p. 512.
Union Meat Company, Portland and North Portland, Oreg. Oleomargarin. No. 123,927; Dec. 17; v. 257; p. 644.
Union Mills, Inc., Hudson and New York, N. Y. Knitted underwear, two-piece garments, sweater-coats, sweaters. No. 123,074; Oct. 8; v. 255; p. 363.
Union Motor Truck Company, Bay City, Mich. Automobiles and automobile-trucks. No. 122,829; Sept. 17; v. 254; p. 53.
Union Pacific Tea Company, New York, N. Y. Certain named foods. No. 122,355; July 23; v. 252; p. 958.
Union Paper and Twine Company, The, Cleveland, Ohio. Wrapping-paper. No. 122,291; July 16; v. 252; p. 742.
Union Paper and Twine Company, Cleveland, Ohio. Toilet-paper. No. 122,292; July 16; v. 252; p. 742.
Union Salt Company, The, Cleveland, Ohio. Salt. No. 122,626; Aug. 27; v. 253; p. 950.
Union Twist Drill Co., Athol, Mass. Cutter, reamer, and drill cases, drill-case bases, and drill-blocks. No. 120,919; Mar. 12; v. 248; p. 498.
Union Twist Drill Co., Athol, Mass. Certain named machines and tools. No. 120,920; Mar. 12; v. 248; p. 498.
Union Twist Drill Co., Athol, Mass. Cutter, reamer, and drill cases, drill-case bases, and drill-blocks. No. 121,569; May 7; v. 250; p. 252.
Union Twist Drill Co., Athol, Mass. Certain named measuring and scientific appliances. Nos. 121,671–2; May 14; v. 250; p. 512.
United Auto Dealers' Mfg. Co., Inc., Brooklyn, N. Y. Automobile-trucks and road-tractors. No. 120,802; Mar. 5; v. 248; p. 232.
United Cigar Manufacturers Company, (now by change of name General Cigar Co., Inc.,) New York, N. Y. Cigars. No. 123,665; Nov. 19; v. 256; p. 643.
United Drug Company, Boston, Mass. Monthly periodical. No. 120,530; Feb. 12; v. 247; p. 477.
United Drug Company, Boston, Mass. Preparations for removing cuticle around finger and toe nails. No. 120,647; Feb. 19; v. 247; p. 744.
United Liquid Sulphur Co., New York, N. Y. Chemicals, &c., used in the extermination of vermin and insects from trees, vegetables, &c. No. 121,737; May 21; v. 250; p. 764.
United Oil Mills, Hope, Ark. Mixed fertilizer. No. 123,666; Nov. 19; v. 256; p. 643.
United Optical Company, Webster, Mass. Eyeglass-frames. No. 121,673; May 14; v. 250; p. 512.
United Phonographs Corporation, Port Washington, Wis. Phonographs and phonograph-records. No. 121,022; Mar. 19; v. 248; p. 765.
United Shoe Machinery Company, Paterson, N. J., and Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nails and tacks. No. 123,174; Oct. 15; v. 255; p. 608.
United Smelting & Aluminum Company, Inc., New Haven, Conn. Aluminum alloys. No. 120,803; Mar. 5; v. 248; p. 232.
United States Alloys Corporation, New York, N. Y. Ferro-silicon alloys. No. 120,456; Feb. 5; v. 247; p. 241.
United States Cabinet Bed Co., New York, N. Y. Folding beds and cots. No. 121,674; May 14; v. 250; p. 512.
United States Gypsum Company, Chicago, Ill. Calcined gypsum. No. 121,148; Apr. 9; v. 249; p. 503.
United States Rubber Company, New York, N. Y. Rubber boots and shoes. Nos. 120,048–9; Jan. 1; v. 246; p. 298.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Fan-belts, radiator-hose, belts, and tubing made of rubber, fabric, or rubber and fabric. No. 123,869; Dec. 10; v. 257; p. 406.
United States Wire Mat Company, Decatur, Ill. Fly-killers. Nos. 120,531–3; Feb. 12; v. 247; p. 477.
United Trimming Co., The, New York, N. Y. Dress-fasteners. No. 122,932; Sept. 24; v. 254; p. 864.
Unity Mills, Inc., The, New York, N. Y. Wheat-flour. No. 121,364; Apr. 23; v. 249; p. 983.
Universal Optical Corporation, Providence, R. I. Eyeglass-mountings. No. 120,232; Jan. 15; v. 246; p. 821.
Uno-lite Company of America, Indianapolis, Ind. Electric stand-lamps. No. 123,175; Oct. 15; v. 255; p. 608.
Uplift Corset Factory, Chicago, Ill. Corsets. No. 124,058; Dec. 31; v. 257; p. 1078.
Urbana Furniture Company, Urbana, Ohio. Certain named furniture and upholstery. No. 123,176; Oct. 15; v. 255; p. 608.
Usit Manufacturing Co. of America, Inc., Buffalo, N. Y. Remedy for treating tired, &c., feet and sunburn. No. 123,508; Nov. 12; v. 256; p. 450.
Utah Oil Refining Company, Salt Lake City, Utah. Lubricating-oils. No. 124,059; Dec. 31; v. 257; p. 1078.
Utica Duxbak Corporation, Utica, N. Y. Certain named clothing. No. 122,048; June 18; v. 251; p. 672.
Uyratis Co., The, Cleveland, Ohio. Medicinal preparation for treating certain named diseases. No. 123,509; Nov. 12; v. 256; p. 450.
Vacuum Muffler Corporation, New York, N. Y. Mufflers and explosive-engines. No. 120,804; Mar. 5; v. 248; p. 232.
Vaile, William N., Denver, Colo. Card game. No. 123,768; Dec. 3; v. 257; p. 189.
Valentine Hat Company, The, New York, N. Y. Straw hats. No. 120,233; Jan. 15; v. 246; p. 821.
Valley Drug & Chemical Co., Norwich, Conn. Insecticides. No. 123,955; Dec. 24; v. 257; p. 813.
Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Preparations for treating certain named diseases and ailments, and insecticides. No. 120,648; Feb. 19; v. 247; p. 744.
Van Camp Sea Food Co., San Pedro, Cal. Canned sardines. No. 123,399; Oct. 29; v. 255; p. 1051.
Van Dyne-Hungerford Co., Boston, Mass. Sole-leather, hides, sides, backs, and bends. No. 120,534; Feb. 12; v. 247; p. 477.
Van Hart, Inc., New York, N. Y. Shoes. No. 121,520; Apr. 30; v. 249; p. 1221.
Van Landingham, Charles E., Los Angeles, Cal. Canned sardines. Nos. 121,976–80; June 11; v. 251; p. 461.
Van Landingham, Charles E., Los Angeles, Cal. Canned sardines. No. 122,117; June 25; v. 251; p. 837.
Van Landingham, Charles E., Los Angeles, Cal. Canned sandwich-sardines. No. 123,929; Dec. 17; v. 257; p. 644.
Van Landingham, Charles E., Los Angeles, Cal. Canned yellowtail fish. No. 123,930; Dec. 17; v. 257; p. 644.
Van Landingham Co., C. E., Los Angeles, Cal. Canned tuna fish. No. 121,675; May 14; v. 250; p. 512.
Van Lopik, Garrit P., Grand Haven, Mich. Certain named clothing for men and women. No. 121,107; Apr. 2; v. 249; p. 233.
Van Siclen, Arthur, New York, N. Y. Dried fruits. No. 121,676; May 14; v. 250; p. 512.
Van Siclen, Arthur, New York, N. Y. Dried fruits. No. 121,688; May 14; v. 250; p. 512.
Vant Woud Rubber Co., The, Brooklyn, N. Y. Nursing-nipples and glass bottles to be used in connection with same. No. 121,225; Apr. 16; v. 249; p. 737.
Varga, John, Linden, N. J. Palliative for rheumatism. No. 121,365; Apr. 23; v. 249; p. 983.
Vassmer, Andrew C., Chicago, Ill. Scotch-toffee-bar candy. No. 122,830; Sept. 17; v. 254; p. 653.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill. Certain named machines, cutlery, and tools. No. 120,805; Mar. 5; v. 248; p. 232.
Vegola Specialty Company Inc., Buffalo, N. Y. Cleaning fluid. No. 121,226; Apr. 16; v. 249; p. 737.
Velez, Ramon, New York, N. Y. Preparation for the relief of biliousness and other ailments of stomach, &c. No. 123,769; Dec. 3; v. 257; p. 189.
Velez, Ramon, New York, N. Y. Preparation for the relief of the stomach and intestines. No. 123,931; Dec. 17; v. 257; p. 644.
Venus Manufacturing Company, Minneapolis, Minn. Infants' coats, wraps, robes, mitts, &c. No. 121,522; Apr. 30; v. 249; p. 1221.
Vick Chemical Co., The, near Greensboro, N. C. Medicinal salve for use by external treatment and internal vapors. No. 122,168; July 2; v. 252; p. 242.
Vick Chemical Co., The, near Greensboro, N. C. Medicinal salve, liver-pills, liniment. No. 123,667; Nov. 19; v. 256; p. 643.
Victor Balata & Textile Belting Company, Easton, Pa. Balata belting. No. 121,523; Apr. 30; v. 249; p. 1221.
Vincent, George, New York, N. Y. Tracing-paper. No. 121,108; Apr. 2; v. 249; p. 233.
Victor Saw Works, Springfield, Mass. Hacksaws, coping, butchers', band, and jewelers' saws. No. 121,981; June 11; v. 251; p. 461.
Victor Saw Works, Springfield, Mass. Saws. No. 123,956; Dec. 24; v. 257; p. 813.
Vielé, Blackwell & Buck, New York, N. Y. Certain named apparatus, machines, and supplies. No. 124,060; Dec. 31; v. 257; p. 1078.
Vineland Preserving Company, Jersey City, N. J. Alimentary paste products. No. 122,357; July 23; v. 252; p. 958.
Viscosity Oil Company, Chicgo, Ill. Lubricating-grease. No. 124,061; Dec. 31; v. 257; p. 1078.
Vitanola Talking Machine Co., Chicago, Ill. Phonographs. No. 120,303; Jan. 29; v. 246; p. 1201.
Vitrifyx Company, Chicago, Ill. Liquid cement preparation for resurfacing or surfacing concrete and cement. No. 123,178; Oct. 15; v. 255; p. 608.
Volpato, Vittorio, Milan, Italy. Fertilizers. No. 120,050; Jan. 1; v. 246; p. 298.
Von Der Heyde & John, New York, N. Y. Certain named clothing. No 123,296; Oct. 22; v. 255; p. 826.
Von der Heyde & John, New York, N. Y. Portfolios, pocket-books, purses, hand-bags, made of leather or textiles. No. 123,717; Dec. 3; v. 257; p. 188.
Von Der Heyde & John, New York, N. Y. Tanned sole-leather and finished sheep, goat, deer, cow, and steer leather. No. 123,872; Dec. 10; v. 257; p. 406.

Alphabetical list of registrants of trade-marks—Continued.

Voorhees, Joseph P., New York, N. Y. Hosiery. No. 123,870; Dec. 10; v. 257; p. 406.
Voorhees Rubber Mfg. Co., Jersey City, N. J. Rubber, &c., hose. No. 123,871; Dec. 10; v. 257; p. 406.
Vulcan Machine & Tool Company, St. Louis, Mo. Piston packing-rings. No. 122,118; June 25; v. 251; p. 837.
W. H. Miner Chocolate Company, Springfield, Mass. Eating-chocolate. No. 123,626; Nov. 19; v. 256; p. 642.
W. P. Tanner-Gross & Co. (See Gross, Leopold, assignor.)
W. P. Tanner-Gross and Company Inc., New York, N. Y. Wheat-flour. No. 122,046; June 18; v. 251; p. 672.
W. P. Tanner-Gross & Company, New York, N. Y. Publications issued weekly. No. 122,546; Aug. 20; v. 253; p. 745.
W. P. Tanner-Gross & Company, Inc., New York, N. Y. Wheat-flour. No. 124,055; Dec. 31; v. 257; p. 1078.
W. R. Ostrander & Co., New York, N. Y. Certain named electrical goods. No. 123,153; Oct. 15; v. 255; p. 60
W. R. Roach & Co., Hart, Mich. Canned evaporated milk. No. 122,992; Oct. 1; v. 255; p. 158.
W. S. Forbes & Co. Inc., Richmond, Va. Ham, bacon, shoulder, lard, sausage. No. 121,550; May 7; v. 250; p. 251.
W. S. Hough, Jr., Co., Providence, R. I. Wires made of precious and plated metals, zinc, phosphor-bronze, &c. No. 120,496; Feb. 12; v. 247; p. 476.
W. S. Rockwell Company, New York, N. Y. Industrial furnaces of all descriptions heated by gas, oil, or coal, burners for same, &c. No. 120,222; Jan. 15; v. 246; p. 821.
W. H. S. Lloyd Co., New York, N. Y., and Chicago, Ill. Wall-paper. No. 120,600; Feb. 19; v. 247; p. 743.
Waas, Allan H., Oakland, Cal. Neck ties and scarfs, cravats, bow-ties, and stocks. No. 121,524; Apr. 30; v. 249; p. 1221.
Waclepo Mfg. Co., Fort Wayne, Ind. Liquid preparation for removing dirt, grease, &c., from automobiles. No. 122,554; Aug. 20; v. 253; p. 745.
Waco Motor Truck Company, Waco, Tex. Weekly periodical. No. 123,873; Dec. 10; v. 257; p. 406.
Waddington Condensed Milk Co. Inc., Waddington, N. Y. Condensed milk. No. 122,358; July 23; v. 252; p. 958.
Wadhams Oil Company, Milwaukee, Wis. Gasolene. No. 122,831; Sept. 17; v. 254; p. 653.
Wadsworth, Howland & Co., Incorporated, Boston, Mass. Varnishes. No. 120,457; Feb. 5; v. 247; p. 241.
Wadsworth, Howland & Co. Incorporated, Boston, Mass. Colors in oil, &c. No. 123,179; Oct. 15; v. 255; p. 608.
Wadsworth Watch Case Company, Dayton, Ky. Watch-cases and watch-movements. No. 122,933; Sept. 24; v. 254; p. 864.
Wahl Adding Machine Company, Chicago, Ill. Fountain-pens, pen-points for same, magazine lead-pencils, and the holders and leads constituting same. No. 122,401; July 30; v. 252; p. 1140.
Wakefield, Lee H., Seattle, Wash. Canned salmon. No. 123,770; Dec. 3; v. 257; p. 189.
Walcoff, Philip, New York, N. Y. Boys' outer clothing. No. 121,836; May 28; v. 250; p. 995.
Walden-Worcester, Inc., Worcester, Mass. Spark-plugs. No. 121,023; Mar. 19; v. 248; p. 766.
Walden-Worcester, Inc., Worcester, Mass. Wrenches No. 121,982; June 11; v. 251; p. 461.
Waldes & Company of New Jersey, New York, N. Y., assignors, by mesne assignments, to Waldes & Company. Snap and placket fasteners. No. 122,555; Aug. 20; v. 253; p. 745.
Walker, Albert R., St. Louis, Mo. Certain named cutlery, machinery, and tools, and parts thereof. No. 123,668; Nov. 19; v. 256; p. 643.
Walker Brothers & Haviland, Philadelphia, Pa. Closures for ends of electrical conduits. No. 122,551; Aug. 20; v. 253; p. 745.
Walker, Jessie, Waco, Tex. Preparation for rheumatism asthma, and appendicitis. No. 121,837; May 28; v. 250; p. 996.
Walker-Wadsworth Company, The, Wilmington, Del., and Baltimore, Md. Monthly periodical. No. 122,552; Aug. 20; v. 253; p. 745.
Wall Manufacturing Supply Co., The, Pittsburgh, Pa. Blow-torches and plumbers' and tinners' fire-pots. No. 123,874; Dec. 10; v. 257; p. 406.
Wall & Ochs, Philadelphia, Pa. Spectacles and eyeglasses. No. 120,808; Mar. 5; v. 248; p. 232.
Wallace Company, The, Newark, N. J. Chemical carbon remover. No. 121,983; June 11; v. 251; p. 461.
Walter Baker & Company, Ltd., Boston, Mass. Sweet chocolate. No. 122,946; Oct. 1; v. 255; p. 157.
Walter M. Lowney Company, Boston, Mass. Candy. No. 121,130; Apr. 9; v. 249; p. 503.
Walter Spencer & Co. Ld., Sheffield, England. Certain named tools. No. 120,448; Feb. 5; v. 247; p. 241.
Waltham Bag & Paper Company, Waltham, Mass. Paper bags and boxes. No. 121,739; May 21; v. 250; p. 764.
Waltham Bag & Paper Company, Waltham, Mass. Paper bags and boxes. No. 122,627; Aug. 27; v. 253; p. 951.
Waltham Watch Company, Waltham, Mass. Watches. No. 120,304; Jan. 29; v. 246; p. 1201.
Walton Hosiery Mills, Statesville, N. C. Half-hose of cotton, wool, and silk. No. 123,669; Nov. 19; v. 256; p. 643.
Walworth Manufacturing Company, Boston, Mass. Steam-fittings of all kinds. No. 122,169; July 2; v. 252; p. 242.
Wappler Electric Co., Inc., New York, N. Y. Certain named dental, medical, and surgical appliances. No. 123,504; Nov. 12; v. 256; p. 450.
Wappler Electric Co. Inc., New York, N. Y. Electric machines for medical use. No. 123,670; Nov. 19; v. 256; p. 643.
War and Navy Departments' Commissions on Training Camp Activities, The, Washington, D. C. Coupon-books. No. 123,298; Oct. 22; v. 255; p. 826.
Ward Baking Company, New York, N. Y. Cakes. No. 123,400; Oct. 29; v. 255; p. 1051.
Ward Baking Company, New York, N. Y. Bread. Nos. 121,677–8; May 14; v. 250; p. 512.
Ware, Horace E., Boston, Mass. Almanac. Nos. 121,526–7; Apr. 30; v. 249; p. 1221.
Waring Hat Mfg. Co., Yonkers, N. Y. Felt, cloth, straw, and silk hats and caps. No. 123,299; Oct. 22; v. 255; p. 826.
Waring Hat Manufacturing Company, Yonkers, N. Y. Felt, cloth, straw, and silk hats and caps. No. 123,671; Nov. 19; v. 256; p. 643.
Warner, Moore & Co., Richmond, Va. Flour made from wheat. No. 121,570; May 7; v. 250; p. 252.
Warren Laboratories Co., The, Marietta, Ohio. Liniment. No. 121,109; Apr. 2; v. 249; p. 233.
Washington Cleanser Co., Seattle, Wash. Washing-powder for clothes. No. 123,875; Dec. 10; v. 257; p. 406.
Washington Times Company, Washington, D. C. Newspaper published daily and Sunday. No. 122,119; June 25; v. 251; p. 837.
Washington Times Company, The, Washington, D. C. Newspapers published daily and Sunday. No. 122,556; Aug. 20; v. 253; p. 745.
Waterloo and Cedar Falls Union Mill Company, The, Waterloo, Iowa. Wheat-flour. No. 123,672; Nov. 19; v. 256; p. 643.
Waterman, Max, New York, N. Y. Fresh endive, alligator-pears, and potatoes. No. 122,763; Sept. 10; v. 254; p. 448.
Waters, Alfred C., Pittsburgh, Pa. Auxiliary air-inlet-valve device for attachment to fuel-supply manifolds of internal-combustion engines. No. 122,832; Sept. 17; v. 254; p. 653.
Waters-Walch Mfg. Co., St. Louis, Mo. Certain named inks and inking materials. No. 123,075; Oct. 8; v. 255; p. 363.
Watson, Leigh F., Chicago, Ill. Electric switches and electrical devices for dimming headlights. No. 121,985; June 11; v. 251; p. 461.
Wattles, Waldo M., Litchfield, Mich. Cigars, cigarettes, smoking and chewing tobacco. No. 120,681; Feb. 26; v. 247; p. 961.
Watts, John, New York, N. Y. Watch-glasses. No. 123,876; Dec. 10; v. 257; p. 406.
Watts, Stebbins & Co., New York, N. Y. Cotton piece goods. Nos. 123,300–3; Oct. 22; v. 255; p. 826.
Wausau Manufacturing Co., Wausau, Wis. Toothpicks. No. 122,553; Aug. 20; v. 253; p. 745.
Wawn, Victor A., Sydney, New South Wales, Australia. Medicated wool. No. 120,806; Mar. 5; v. 248; p. 232.
Weaver-Ebling Automobile Co., New York, N. Y. Air-tubes for pneumatic tires. No. 120,536; Feb. 12; v. 247; p. 477.
Webb, Arthur M., New York, N. Y. Knitted underwear, bathing-suits, jerseys, sweaters, and hosiery. No. 122,764; Sept. 10; v. 254; p. 448.
Webbing & Edging Corp., New York, N. Y. Wash and fancy braids and insertions for dresses, aprons, and undergarments. No. 120,305; Jan. 29; v. 246; p. 1201.
Weber, Abraham, New York, N. Y. Polishing and cleaning compound for furniture, floors, automobile-bodies, &c. No. 121,367; Apr. 23; v. 249; p. 983.
Weber & Heilbroner, New York, N. Y. Rain-coats. No. 122,628; Aug. 27; v. 253; p. 951.
Weber-Schlitz Candy Co., Milwaukee, Wis. Candy known as chocolate nougat bar. No. 122,049; June 18; v. 251; p. 672.
Weinthrop Company, The, Chicago, Ill. Certain games. No. 122,359; July 23; v. 252; p. 959.
Weiss and Mangan, Leadville, Colo. Figure toy. No. 121,024; Mar. 19; v. 248; p. 766.
Welch Grape Juice Company, The, Westfield, N. Y. Candy. No. 121,110; Apr. 2; v. 249; p. 233.
Wellcome, Henry S., London, England. Therapeutic agents consisting of salicylates for internal use. No. 120,921; Mar. 12; v. 248; p. 498.
Wellman, Ernest L., Grand Rapids, Mich. Dried white pea-beans. No. 122,833; Sept. 17; v. 254; p. 653.
Welz & Zerweck, Inc., Brooklyn, N. Y. Non-intoxicating malt beverages. No. 120,809; Mar. 5; v. 248; p. 232.
Wenatchee-Northern Warehouse & Marketing Co., Wenatchee, Wash. Fresh apples and pears. No. 120,458; Feb. 5; v. 247; p. 241.

Alphabetical list of registrants of trade-marks—Continued.

Wendt-Bristol Co., The, Columbus, Ohio. Alterative for the treatment of eczema, scrofula, asthma, &c. No. 122,934; Sept. 24; v. 254; p. 864.
Wendell, Mark T., Boston, Mass. Tea. Nos. 122,170–1; July 2; v. 252; p. 242.
Wenz, Mary L., Boston, Mass. Candy. No. 123,401; Oct. 29; v. 255; p. 1051.
Wenzelmann, Gustave, Galesburg, Ill. Chemical compound used in water for bathing purposes. No. 123,402; Oct. 29; v. 255; p. 1051.
Weppner, Augustus F., Buffalo, N. Y. Coffee substitute. No. 121,685; May 14; v. 250; p. 512.
Wessels, Edward J., New York, N. Y. Developers. No. 121,374; Apr. 23; v. 249; p. 983.
West Coast Packing Co., Long Beach, Cal. Canned sardines. No. 122,935–6; Sept. 24; v. 254; p. 864.
West Coast Knitting Mills, Los Angeles, Cal. Knitted goods. No. 123,673; Nov. 19; v. 256; p. 643.
West Disinfecting Company, New York, N. Y. Preparations for the treatment of pediculosis of the head or body. No. 122,557; Aug. 20; v. 253; p. 745.
West, Emil, Washington, D. C. Sweaters. No. 123,674; Nov. 19; v. 256; p. 643.
West Gravitiser Corporation, The, New York, N. Y. Exercising-tables. No. 123,510; Nov. 12; v. 256; p. 450.
West Haven Mfg. Co., The, West Haven, Conn. Hacksaws. No. 123,304; Oct. 22; v. 255; p. 826.
West India Oil Company, Bayonne, N. J. Motor fuel-oil. No. 123,675; Nov. 19; v. 256; p. 643.
West Indies Packing Company, McKinley, Isle of Pines. Sliced pineapples in cans. No. 121,149; Apr. 9; v. 249; p. 503.
West Virginia Pulp & Paper Company, New York, N. Y. Writing-paper. No. 120,126; Jan. 8; v. 246; p. 565.
West Virginia Pulp & Paper Company, New York, N. Y. Bristol-paper. No. 120,127; Jan. 8; v. 246; p. 565.
West Virginia Pulp & Paper Company, New York, N. Y. Bond-paper. No. 120,459; Feb. 5; v. 247; p. 241.
West Virginia Pulp & Paper Company, New York, N. Y. Bond-paper. No. 121,368; Apr. 23; v. 249; p. 983.
West Virginia Pulp & Paper Company, New York, N. Y. Writing-papers. No. 121,369; Apr. 23; v. 249; p. 983.
West Virginia Pulp & Paper Company, New York, N. Y. Bond-paper. No. 121,370; Apr. 23; v. 249; p. 983.
West Virginia Pulp & Paper Company, New York, N. Y. Writing-paper. No. 121,371; Apr. 23; v. 249; p. 983.
West Virginia Pulp & Paper Co., New York, N. Y. Bond-paper. No. 121,372; Apr. 23; v. 249; p. 983.
West Virginia Pulp & Paper Co., New York, N. Y. Writing-paper. No. 121,373; Apr. 23; v. 249; p. 983.
West Virginia Pulp & Paper Co., New York, N. Y. Coated book and magazine paper. No. 121,986; June 11; v. 251; p. 461.
West Virginia Pulp & Paper Co., New York, N. Y. Coated book and magazine paper. No. 122,558; Aug. 20; v. 253; p. 745.
Western Canvas Glove Mfg. Co., Oakland, Cal. Gloves. No. 121,528; Apr. 30; v. 249; p. 1221.
Western Clock Co., Peru, Ill. Clocks and watches. No. 121,228; Apr. 16; v. 249; p. 737.
Western Clock Co., Peru, Ill. Clocks and watches. No. 122,559; Aug. 20; v. 253; p. 745.
Western Clock Co., Peru, Ill. Clocks and watches. Nos. 122,937–8; Sept. 24; v. 254; p. 864.
Western Clock Co., Peru, Ill. Clocks and watches. No. 123,511; Nov. 12; v. 256; p. 450.
Western Electric Company Incorporated, New York, N. Y. Friction-tape for insulation purposes. No. 122,360; July 23; v. 252; p. 959.
Western Grocer Company, Oskaloosa, Iowa. Certain named foods. No. 121,679; May 14; v. 250; p. 512.
Western Manufacturing Company, Cudahy, Wis. Coloring material for leather. No. 121,987; June 11; v. 251; p. 461.
Western Oil Refining Company, Indianapolis, Ind. Gasolene. No. 122,247; July 9; v. 252; p. 501.
Western Oil Refining Company, Indianapolis, Ind. Gasolene. No. 122,834; Sept. 17; v. 254; p. 653.
Western Refining Co., The, Wichita, Kans. Gasolene refined from crude oil or petroleum. No. 121,738; May 21; v. 250; p. 764.
Western Reserve Woolen Company, The, Cleveland, Ohio. Serges, worsteds, silk serges for suitings, &c. No. 123,932; Dec. 17; v. 257; p. 644.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric sad-irons. No. 120,460; Feb. 5; v. 247; p. 241.
Westinghouse Lamp Company, Bloomfield, N. J. Incandescent electric lamps. No. 121,025; Mar. 19; v. 248; p. 766.
Wetterwald, Walter A., New York, N. Y. Apparatus for making paper briquets. No. 121,366; Apr. 23; v. 249; p. 983.
Wheeling Ceiling & Roofing Co., Wheeling, W. Va. Certain named sheet-metal products. No. 121,988; June 11; v. 251; p. 461.
Wheeling Ceiling & Roofing Co., Wheeling, W. Va. Tin and terne plates, black and galvanized sheets. No. 123,180; Oct. 15; v. 255; p. 608.
Wheelis, John A., Havre, Mont. Preparation for rheumatism. No. 121,111; Apr. 2; v. 249; p. 233.
Whelan, Omer G., Richmond, Ind. Certain named foods. No. 123,676; Nov. 19; v. 256; p. 643.
Whitaker Paper Company, The, Cincinnati, Ohio. Waterproof blasting-paper. No. 120,922; Mar. 12; v. 248; p. 498.
Whitaker Paper Company, The, Cincinnati, Ohio. Bond-paper for writing purposes. No. 123,505; Nov. 12; v. 256; p. 450.
White Bros. & Crum Co., Lewiston, Idaho, and Yakima, Wash. Fresh apples. Nos. 121,112–13; Apr. 2; v. 249; p. 233.
White Bros. & Crum Co., Lewiston, Idaho, and Yakima, Wash. Fresh apples. No. 122,361; July 23; v. 252; p. 959.
White, Charles, Baltimore, Md. Device for clearing windshields and the like. No. 123,677; Nov. 19; v. 256; p. 643.
White Cross Laboratories, Chicago, Ill. Egg substitute. No. 123,076; Oct. 8; v. 255; p. 363.
White Eagle Petroleum Company, The, Chanute, Kans. Certain named oils and greases. No. 121,989; June 11; v. 251; p. 461.
White, Ernest M., Los Angeles, Cal. Cigars, cigarettes, tobacco. No. 122,662; Sept. 3; v. 254; p. 222.
White Lock Company, Chicago, Ill. Wiper devices for wind-shields, windows, and the like. No. 122,248; July 9; v. 252; p. 501.
White, Philip, Philadelphia, Pa. Sweaters. No. 120,306; Jan. 29; v. 246; p. 1201.
White, Rebecca, Birmingham, Ala. Preparation for the treatment of the hair. No. 123,006; Oct. 1; v. 255; p. 159.
White, Robert C., Philadelphia, Pa. Prophylactic antiseptic throat-tablets. No. 123,077; Oct. 8; v. 255; p. 363.
White, Robert C., Philadelphia, Pa. Medicinal tablets used as an alterative, reconstructive, and anti-asthmatic. No. 123,078; Oct. 8; v. 255; p. 363.
White, Robert C., Philadelphia, Pa. Medicinal tablets for use as laxatives, &c. No. 123,404; Oct. 29; v. 255; p. 1051.
White, Robert C., Philadelphia, Pa. Plain uncoated compressed medicinal tablets. No. 123,405; Oct. 29; v. 255; p. 1051.
White Sewing Machine Company, Cleveland, Ohio. Sewing-machines. No. 122,249; July 9; v. 252; p. 501.
White Star Canning Co., East San Pedro and Los Angeles, Cal. Canned tuna fish. No. 121,839; May 28; v. 250; p. 996.
White, Wile & Warner, Buffalo, N. Y. Finger-rings. No. 123,679; Nov. 19; v. 256; p. 643.
Whitehead K't'g Co., Daisy, New York, N. Y. Ladies' hosiery. No. 122,581; Aug. 27; v. 253; p. 949.
Whiteley, Howard L., Lowell, Mass. Cotton, cotton and linen, and cotton and silk piece goods. Nos. 120,923–4; Mar. 12; v. 248; p. 498.
Whitemore Manufacturing Co., Galva, Ill. Grain-elevator spouts, sectional grain-elevator spouts, grain-elevator spout sections, and parts of grain-elevator spouts. No. 122,250; July 9; v. 252; p. 501.
Whitin Machine Works, Whitinsville, Mass. Certain named textile-machines. No. 121,375; Apr. 23; v. 249; p. 983.
Whiting-Plover Paper Company, Stevens Point, Wis. Printing and writing papers. No. 120,925; Mar. 12; v. 248; p. 498.
Whiting-Plover Paper Company, Stevens Point, Wis. Writing and printing paper. No. 121,992; June 11; v. 251; p. 461.
Whitney Sporting Goods Company, Denver, Colo. Fishing lines, leaders, flies, rods, &c. No. 121,993; June 11; v. 251; p. 461.
Whittemore Bro's Corp., Cambridge, Mass. Leather dressing, waterproofing, and polishing material. No. 123,406; Oct. 29; v. 255; p. 1052.
Whittemore Brothers Corporation, Cambridge, Mass. Liquid for whitening and cleaning leather and canvas. No. 120,461; Feb. 5; v. 247; p. 241.
Wholesome Films Corporation, Chicago, Ill. Films for moving-picture machines. No. 120,462; Feb. 5; v. 247; p. 241.
Widemann Goat Milk Co., King City and San Francisco, Cal. Canned evaporated goat-milk. No. 121,680; May 14; v. 250; p. 512.
Widlar Co., The, Cleveland, Ohio. Lemon flavors and extracts for food-flavoring. No. 124,062; Dec. 31; v. 257; p. 1078.
Wieland Bros., San Francisco, Cal. Canned sardines. No. 122,663; Sept. 3; v. 254; p. 222.
Wiener, Ben, New York, N. Y. Trade publication. No. 123,877; Dec. 10; v. 257; p. 406.
Wigely, Brooks, Chillicothe, Mo. Certain named clothing. No. 123,878; Dec. 10; v. 257; p. 406.
Wightman & Hough Co., Providence, R. I. Certain named articles made of or plated with precious metal, including nickel-silver. No. 120,128; Jan. 8; v. 246; p. 565.
Wilder and Company, Chicago, Ill. Heels for boots and shoes. No. 120,129; Jan. 8; v. 246; p. 565.
Wilder, George W., New York, N. Y., and Colton, Cal. Fresh milk, eggs, and butter. No. 123,771; Dec. 3; v. 257; p. 189.

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Wilkey Laboratories, Chicago, Ill. Liquid for cleaning and polishing colored leathers. Nos. 122,293–4; July 16; v. 252; p. 742.
Wilkinson, Clifford H., West New York, N. J. Non-alcoholic maltless beverage sold as a soft drink and syrup for making same. No. 120,307; Jan. 29; v. 246; p. 1201.
Willard, Charles E., Chicago, Ill. Axles for cars, railroad rolling-stock. No. 121,689; May 14; v. 250; p. 512.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. No. 121,376; Apr. 23; v. 249; p. 983.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries. No. 121,681; May 14; v. 250; p. 512.
William Alsberg & Co. Inc., New York, N. Y. Cotton piece goods No. 123,183; Oct. 22; v. 255; p. 823.
William Brewster Company Inc., New York, N. Y. Machine for writing on metals. No. 123,544; Nov. 19; v. 256; p. 639.
William Carter Company, The, Needham Heights, Mass. Underwear. No. 121,403; Apr. 30; v. 249; p. 1217.
William J. Lemp Brewing Company, St. Louis, Mo. Non-intoxicating beverage of a malt nature. No. 120,592; Feb. 19; v. 247; p. 742.
William Lea & Sons Company, Wilmington, Del. Wheat-flour. No. 122,765; Sept. 10; v. 254; p. 448.
William Read & Sons, Inc., Boston, Mass. Certain named games, toys, and sporting goods. No. 121,567; May 7; v. 250; p. 252.
William S. Merrell Chemical Company, The, Cincinnati, Ohio. Flavoring extracts for making soda-fountain syrups and for use in cooking. No. 120,036; Jan. 1; v. 246; p. 298.
William S. Merrell Chemical Company, The, Cincinnati, Ohio. Toilet and dental creams. No. 121,313; Apr. 23; v. 249; p. 981.
William S. Merrell Chemical Company, The, Cincinnati, Ohio. Shaving-cream in the nature of shaving-soap. No. 121,471; Apr. 30; v. 249; p. 1219.
William S. Merrell Chemical Company, The, Cincinnati, Ohio. Non-specific protean for subcutaneous injection for treating certain named diseases. No. 123,624; Nov. 19; v. 256; p. 642.
William Pearson Limited, London, England. Disinfectant, antiseptic, and germicidal substance. No. 122,737; Sept. 10; v. 254; p. 447.
William Penn Hotel Company, Pittsburgh, Pa. Whisky. No. 122,985; Oct. 1; v. 255; p. 158.
William T. Baker Inc., Jersey City, N. J. Sash-putties. No. 123,083; Oct. 15; v. 255; p. 605.
Williams Bros. Chemical Co., St. Louis, Mo. Medicine for preventing and relieving certain named diseases. No. 121,571; May 7; v. 250; p. 252.
Williams Brush Co., Philadelphia, Pa. Tooth, nail, and hair brushes. No. 121,231; Apr. 16; v. 249; p. 737.
Williams Manufacturing Company, Santa Ana, Cal. Electric search-lights. No. 121,991; June 11; v. 251; p. 461.
Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Reducing machinery. No. 120,234; Jan. 15; v. 246; p. 821.
Williams and Rimelspach, Fremont, Ohio. Electrolytes for storage batteries. No. 120,810; Mar. 5; v. 248; p. 232.
Williams, Sidney, San Francisco, Cal. Insoles. No. 122,766; Sept. 10; v. 254; p. 448.
Williams, William, Saginaw, Mich. Package candies, No. 123,305; Oct. 22; v. 255; p. 826.
Williams, William E., New York, N. Y. Certain named hardware and plumbing and steam-fitting supplies. No. 122,560; Aug. 20; v. 253; p. 745.
Williamson, Bailey F., Gainesville, Fla. Bread. No. 122,767; Sept. 10; v. 254; p. 448.
Williamson, Bailey F., Gainesville, Fla. Flour. No. 122,835; Sept. 17; v. 254; p. 653.
Williot fils, J., La Garenne-Colombes, France. Coffee substitutes—viz., chicory. No. 122,120; June 25; v. 251; p. 837.
Williot fils, Mrs. J. La Garenne-Colombes, France. Chicory. No. 122,940; Sept. 24; v. 254; p. 864.
Wilmer Atkinson Company, Philadelphia, Pa. Monthly publication. No. 120,537; Feb. 12; v. 247; p. 477.
Wilmort Manufacturing Company, Chicago, Ill. Crumb-sweeper. No. 123,680; Nov. 19; v. 256; p. 643.
Wilson Chemical Company, Council Bluffs, Iowa. Deodorizing and disinfecting perfume. No. 121,115; Apr. 2; v. 249; p. 233.
Wilson Chemical Company, Council Bluffs, Iowa. Disinfectant. No. 121,116; Apr. 2; v. 249; p. 233.
Wilson Chemical Company, Council Bluffs, Iowa. Liquid soap. No. 121,230; Apr. 16; v. 249; p. 737.
Wilson Chemical Company, Council Bluffs, Iowa. Furniture-polish and finish-renewer. No. 121,379; Apr. 23; v. 249; p. 983.
Wilson & Co., Inc., Chicago, Ill. Glue. No. 123,506; Nov. 12; v. 256; p. 450.
Wilson & Co., Inc., Chicago, Ill. Bones, curled hair, wool, No. 123,933; Dec. 17; v. 257; p. 644.
Wilson-Jones Loose Leaf Company, Chicago, Ill. Imitation-leather bookbinding material. No. 120,538; Feb. 12; v. 247; p. 477.
Wilson Remedy Company, Lake Butler, Fla. Preparation for worms in stock. No. 120,308; Jan. 29; v. 246; p. 1201.
Wilson, Wayland W., Los Angeles, Cal. Monthly publication. No. 123,306; Oct. 22; v. 255; p. 826.
Wilton, R., New York, N. Y. Snuff. Nos. 121,377–8; Apr. 23; v. 249; p. 983.
Winckler, George, New York, N. Y. Tooth, nail, hair, clothes, &c., brushes. No. 122,402; July 30; v. 252; p. 1140.
Winder Manufacturing Company, The, Winder, Ga. Overalls, coats, work-shirts, and pants. No. 121,841; May 28; v. 250; p. 996.
Windsor Broom Co., Hamburg, Pa. Brooms. No. 121,684; May 14; v. 250; p. 512.
Windsor Print Works, North Adams, Mass., and New York, N. Y. Plain white, dyed, or printed cotton piece goods. Nos. 120,650–1; Feb. 19; v. 247; p. 744.
Windsor Print Works, North Adams, Mass., and New York, N. Y. Plain white, dyed, or printed cotton piece goods or cotton and silk mixed piece goods. No. 120,652; Feb. 19; v. 247; p. 744.
Windsor Soap Co., Buffalo, N. Y. Soap. No. 121,117; Apr. 2; v. 249; p. 233.
Winheim, Gustav, Carlyle, Ill. Preparation for treatment of rheumatism. No. 123,879; Dec. 10; v. 257; p. 406.
Winkelman Baking Company, Memphis, Tenn. Bread. No. 121,530; Apr. 30; v. 249; p. 1221.
Winter, Charles A., New York, N. Y. Washing compound for washing clothes. No. 120,653; Feb. 19; v. 247; p. 744.
Winter Park Citrus Growers Association, Winter Park, Fla. Fresh citrus fruits. No. 122,050; June 18; v. 251; p. 672.
Wintersmith Chemical Co., Louisville, Ky. Antimalarial and general tonics. No. 121,995; June 11; v. 251; p. 461.
Wire Wheel Corporation of America, Buffalo, N. Y. Vehicle-wheels and parts thereof. No. 123,880; Dec. 10; v. 257; p. 406.
Wirebounds Corporation, Portland, Me., and Chicago, Ill. Boxes and packing-cases. Nos. 120,654–5; Feb. 19; v. 247; p. 744.
Wirth Chocolate Co., Boston, Mass. Candies and chocolates. No. 123,408; Oct. 29; v. 255; p. 1052.
Wisconsin Butter & Cheese Co., The, Elkhorn, Wis. Evaporated milk. No. 121,118; Apr. 2; v. 249; p. 233.
Wiss, Albert, Peekskill, N. Y. Watches, watch-movements, watchcases, and parts thereof. No. 120,811; Mar. 5; v. 248; p. 232.
Wistrand Manufacturing Co., Galva, Ill. Water-elevating pumps and windmills. No. 122,561; Aug. 20; v. 253; p. 745.
Witherspoon, Thomas S., Denver, Colo. Carbon-eliminator. No. 122,403; July 30; v. 252; p. 1140.
Witte, George W., Philadelphia, Pa. Moving-picture machines. No. 121,232; Apr. 16; v. 249; p. 737.
Wittwer, John J., Sr., Seattle, Wash. Coloring for hair-dressings, such as shampoos. No. 121,996; June 11; v. 251; p. 461.
Witwer Tate Grocery Co., Centralia, Ill. Canned tomatoes, corn, peas, and kraut. No. 121,740; May 21; v. 250; p. 764.
Wm. A. Young Gasket Co., New York, N. Y. Gromets. No. 123,681; Nov. 19; v. 256; p. 643.
Wm. C. Robinson & Son Co., Baltimore, Md. Certain named cooling compound. No. 120,430; Feb. 5; v. 247; p. 240.
Wm. C. Robinson & Son Co., Baltimore, Md. Quenching-oil used in the treatment of iron, steel, and other metals. No. 121,338; Apr. 23; v. 249; p. 982.
Wm. C. Robinson & Son Co., Baltimore, Md. Transmission and motor oils, lubricating-greases, gasolene. No. 121,659; May 14; v. 250; p. 511.
Wm. Frankfurth Hardware Company, Milwaukee, Wis. Axes and saws. No. 120,377; Feb. 5; v. 247; p. 239.
Wm. Hahn & Co., Washington, D. C. Leather, rubber, and canvas shoes, hosiery. No. 122,700; Sept. 10; v. 254; p. 446.
Wm. J. Moxley, Inc., Chicago, Ill. Butterin or margarin composed of vegetable oils, and oleomargarin. No. 122,730; Sept. 10; v. 254; p. 447.
Wm. Meyer Co., The, Chicago, Ill. X-ray tables and stands. No. 123,146; Oct. 15; v. 255; p. 607.
Wm. Meyer Co., Chicago, Ill. X-ray tubes. No. 123,147; Oct. 15; v. 255; p. 607.
Wm. Meyer Co., The, Chicago, Ill. X-ray tables and stands. No. 123,625; Nov. 19; v. 256; p. 642.
Wm. Simpson, Sons & Co., Philadelphia, Pa. Cotton piece and dress goods. No. 122,750; Sept. 10; v. 254; p. 447.
Wohlgemuth, Max, New York, N. Y. Preparation of iodin in a jelly form. No. 121,119; Apr. 2; v. 249; p. 233.
Women's Wear Company, New York, N. Y. Daily newspaper. No. 120,130; Jan. 8; v. 246; p. 565.
Wood, Benjamin, New York, N. Y. Men's, youths', and boys' cloth suits and overcoats. No. 121,531; Apr. 30; v. 249; p. 1221.
Wood, Winfield C., Minneapolis, Minn. Patches for repairing inner tubes and tire-casings and other rubber goods. No. 120,926; Mar. 12; v. 248; p. 498.
Woodjard, Guy L., San Diego, Cal. Oiler devices to be secured to vehicle-springs. No. 123,307; Oct. 22; v. 255; p. 826.
Woods, Rosa, Chicago, Ill. Hair preparation and dandruff-remover. No. 123,507; Nov. 12; v. 256; p. 450.

Alphabetical list of registrants of trade-marks—Continued.

Woodstock Typewriter Company, Woodstock, Ill. Typewriters and parts. Nos. 121,380–1; Apr. 23; v. 249; p. 983.
Woodward-Williams Co. Inc., Rochester, N. Y. Razor-blade stroppers. No. 122,172; July 2; v. 252; p. 242.
Workman Packing Co., San Francisco, Cal. Canned goods. No. 122,173; July 2; v. 252; p. 242.
Wortendyke Manufacturing Co., Richmond, Va. Toilet-paper and paper towels. No. 121,028; Mar. 19; v. 248; p. 766.
Woodward-Wanger Company, Philadelphia, Pa. Rubber tank-balls. No. 123,308; Oct. 22; v. 255; p. 826.
Woolson Spice Company, The, Toledo, Ohio. Coffee. No. 123,409; Oct. 29; v. 255; p. 1052.
World's Dispensary Medical Association, Buffalo, N. Y. Tonic for the blood. No. 123,007; Oct. 1; v. 255; p. 159.
Worthington Pump and Machinery Corporation, New York, N. Y. Valves used in air and gas pumps. No. 120,927; Mar. 12; v. 248; p. 498.
Wright & Ditson, Boston, Mass. Golf-balls. No. 123,512; Nov. 12; v. 256; p. 450.
Wright, William H., Schenectady, N. Y. Varnishes, enamels, stains, and colors in oil. No. 120,466; Feb. 5; v. 247; p. 241.
Wrightsville Hardware Company, Wrightsville, Pa. Coffee-mills. No. 122,562; Aug. 20; v. 253; p. 745.
Wylie, John, New York, N. Y. Hosiery. No. 122,768; Sept. 10; v. 254; p. 448.
Wynne Paper Co., Inc., The, New York, N. Y. Writing tablets and papers, envelops. No. 122,941; Sept. 24; v. 254; p. 864.
Yakima Valley Fruit Growers Association, North Yakima, Wash. Fresh apples. Nos. 122,629–30; Aug. 27; v. 253; p. 951.
Yardley & Co., Limited, London, England. Perfumes, face-powders, brilliantines, &c. No. 121,532; Apr. 30; v. 249; p. 1221.
Yardley & Co. Limited, London, England. Toilet-soap. No. 121,682; May 14; v. 250; p. 512.
Yardley & Co., Limited, London, England. Perfumes. Nos. 123,513–24; Nov. 12; v. 256; p. 450.
Yardley & Co., Limited, London, England. Perfumes. No. 123,881; Dec. 10; v. 257; p. 406.
Yasuda, Sometaro, Los Angeles, Cal. Compound for the treatment of consumption and heart trouble. No. 121,997; June 11; v. 251; p. 461.
Yates, John T., Omaha, Nebr. Monthly publication. No. 123,882; Dec. 10; v. 257; p. 406.
Yorkshire Copper Works, Limited, The, Leeds, England, Condenser-tubes. No. 123,309; Oct. 22; v. 255; p. 826.
Young, Frederick H., Toledo, Ohio. Ointment and lotion for use as a remedy for eczema, acne, &c., also as a medicinal dressing. No. 121,533; Apr. 30; v. 249; p. 1221.
Young & Griffin Coffee Co., Inc., New York, N. Y. Coffee. No. 122,404; July 30; v. 252; p. 1140.
Zellerbach Paper Company, San Francisco, Cal. Writing and printing paper, card-stock, and envelops. No. 121,998; June 11; v. 251; p. 461.
Ziegel, Eisman & Company, Newark, N. J. Tanned and finished leathers. No. 121,842; May 28; v. 250; p. 996.
Zimmerman, Morris H., New York, N. Y. Children's suits, overcoats, and caps. No. 121,534; Apr. 30; v. 249; p. 1221.
Zoes, Christ A., Chicago, Ill. White-kid cleaner. No. 121,999; June 11; v. 251; p. 461.
Zolper, William, Wilmington, Del. Lung-testing toys. No. 122,405; July 30; v. 252; p. 1140.
Zynda, John, Detroit, Mich. Non-alcoholic maltless carbonated beverages. No. 122,942; Sept. 24; v. 254; p. 864.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

A. Goodman & Sons, Inc., New York, N. Y. "Berliner Tea Matzoths." (For Matzoths.) No. 20,713; July 2; v. 252; p. 243.
A. Schreiber Brewing Co., Buffalo, N. Y. "Nilo-Lager." (For Beer.) No. 20,810; Aug. 13; v. 253; p. 511.
A. H. Kuhlemann Co., The, Baltimore, Md. "Coco-Pea-Nut Oleomargarine." (For Oleomargarin.) No. 20,607; Apr. 30; v. 249; p. 1222.
A. M. Eaton Paper Co., Boston and Waltham, Mass. "Danube." (For Toilet-Paper.) No. 20,833; Sept. 10; v. 254; p. 449.
A. M. Eaton Paper Co., Boston and Waltham, Mass. "Sea Gull." (For Toilet-Paper.) No. 20,834; Sept. 10; v. 254; p. 449.
A. M. Eaton Paper Co., Boston and Waltham, Mass. "Medical." (For Toilet-Paper.) No. 20,835; Sept. 10; v. 254; p. 449.
A. M. Eaton Paper Co., Boston and Waltham, Mass. "Harvard." (For Toilet-Paper.) No. 20,836; Sept. 10; v. 254; p. 449.
A. M. Eaton Paper Co., Boston and Waltham, Mass. "Red Shield." (For Toilet-Paper.) No. 20,837; Sept. 10; v. 254; p. 449.
A. & S. Raucci, Pittsburgh, Pa. "Extra Fermentati Sigari Italiani." (For Cigars.) No. 20,807; Aug. 13; v. 253; p. 511.
Abel, Wm. P., New York, N. Y. "Impruv-Mix." (For Paste Impellent to be Used in the Manufacture of Ice-Cream, Sherbets, Ices, and Candies.) No. 20,540; Mar. 12; v. 248; p. 499.
Acme Rubber Manufacturing Company, Trenton, N. J. "All Pack." (For Fruit-Jar Rubbers.) No. 20,574; Apr. 2; v. 249; p. 234.
Adams & Elting Co., Chicago, Ill. "Ad-El-Ite Automobile Rim & Gasket Shellac-Cement." (For Shellac-Cement.) No. 20,939; Nov. 5; v. 256; p. 221.
Adams & Elting Co., Chicago, Ill. "Ad-El-Ite Radiator And Water Line Cleaner." (For Cleaners.) No. 20,940; Nov. 5; v. 256; p. 221.
Adams & Jewell, Rome, N. Y. "Betson's Plastic Fire Brick." (For Refractory Furnace-Lining Material.) No. 20,958; Nov. 5; v. 256; p. 221.
Advance Automobile Accessories Corp., Chicago, Ill. "Advance White Stripe Transmission Lining." (For Transmission-Linings.) No. 20,909; Oct. 22; v. 255; p. 827.
Aeolian Company, The, Meriden, Conn., and New York, N. Y. "Aeolian Vocalion." (For Phonograph-Records.) No. 20,869; Oct. 8; v. 255; p. 365.
Alaska Salmon Co., San Francisco, Cal. "River King." (For Canned Salmon.) No. 20,541; Mar. 12; v. 248; p. 499.
Alaska Salmon Co., San Francisco, Cal. "Royal Standard." (For Canned Salmon.) No. 20,542; Mar. 12; v. 248; p. 499
Alaska Salmon Co., San Francisco, Cal. "Mariner's Flag." (For Canned Salmon.) No. 20,543; Mar. 12; v. 248; p. 499.
Alaska Salmon Co., San Francisco, Cal. "Rocky Ford." (For Canned Salmon.) No. 20,544; Mar. 12; v. 248; p. 499.
Alaska Salmon Co., San Francisco, Cal. "Golden Gate." (For Canned Salmon.) No. 20,545; Mar. 12; v. 248; p. 499.
Alaska Salmon Co., San Francisco, Cal. "Wigwag." (For Canned Salmon.) No. 20,546; Mar. 12; v. 248; p. 499.
Alaska Salmon Co., San Francisco, Cal. "Balboa." (For Canned Salmon.) No. 20,575; Apr. 2; v. 249; p. 234.
Allen, George H., Clinton, N. Y. "Aunt Martha's Plum Pudding." (For Plum Pudding.) No. 20,612; May 21; v. 250; p. 765.
Allen, George H., Clinton, N. Y. "Aunt Martha's Hulled Corn." (For Hulled Corn.) No. 20,613; May 21; v. 250; p. 765.
Alling & Cory Co., The, Rochester, N. Y. "Belfast." (For Paper.) No. 20,547; Mar. 12; v. 248; p. 499.
American Cigar Co., New York, N. Y. "3 Cigars—(and a penny) for 25¢." (For Cigars.) No. 20,941; Nov. 5; v. 256; p. 221.
American Cigar Co., New York, N. Y. "3 Cigars—(and a cent) For a Quarter." (For Cigars.) No. 20,942; Nov. 5; v. 256; p. 221
American Food Products Company, Minneapolis, Minn. "Eggless." (For an Egg Substitute.) No. 21,007; Nov. 26; v. 256; p. 819.
American Olive Company, Los Angeles, Cal. "Amoco Brand." (For Canned Tomato Sauce.) No. 21,008; Nov. 26; v. 256; p. 819.
American Pure Food Products Co., The, Chicago, Ill. "Ambrosia Brand." (For Beef, Beans, and Spaghetti.) No. 20,849; Sept. 17; v. 254; p. 654.
Anderson, Chris, Minneapolis, Minn. "Blue Wing Brand Cherry Phosphate." (For a Soft Drink.) No. 20,753; Aug. 6; v. 253; p. 257.
Andrew and James Cleotelis, Clearwater, Fla. "Wide World Havana." (For Cigars.) No. 21,084; Dec. 31; v. 257; p. 1079.
Arabadjian, Kevork, New York, N. Y. "Pyramid." (For Coffee) No. 20,635; May 28; v. 250; p. 997.
Armstrong, Julian, Chicago, Ill. "Valu-Gage Certified Field Fencing Number 11 Series." (For Steel-Wire Gage.) No. 20,870; Oct. 8; v. 255; p. 365.
Armstrong, Julian, Chicago, Ill. "Valu-Gage Certified Field Fencing Number 9 Series." (For Steel-Wire Gage.) No. 20,871; Oct. 8; v. 255; p. 365.
Armstrong, Julian, Chicago, Ill. "Valu-Gage Certified Fencing Number 12 Series." (For Steel-Wire Gage.) No. 20,872; Oct. 8; v. 255; p. 365.
Aromint Manufacturing Company, The, Cincinnati, Ohio. "Aromints Licorice." (For Mint Candy.) No. 20,657; June 18; v. 251; p. 673.
Aromint Manufacturing Company, The, Cincinnati, Ohio. "Aromints Cinos." (For Mint Candy.) No. 20,658; June 18; v. 251; p. 673.

Alphabetical list of registrants of labels—Continued.

Asbury Mills, New York, N. Y. "Silcoknit Fabric." (For Knitted Fabric.) No. 20,859; Sept. 17; v. 254; p. 654.
Asch, Leonard C., New York, N. Y. "The Vogue Beach Attire." (For Beach Attire.) No. 20,821; Aug. 13; v. 253; p. 512.
Atlas Beverage Company, Chicago, Ill. "Atlas Dry." (For a Non-Intoxicating Cereal Beverage.) No. 20,975; Nov. 19; v. 256; p. 645.
Auerbach & Sons, D., New York, N. Y. "Auerbach's Standard Chocolates." (For Chocolates.) No. 20,943; Nov. 5; v. 256; p. 221.
B. Wasserman Co., New York, N. Y. "Hood's Specials." (For Cigars.) No. 21,071; Dec. 24; v. 257; p. 815.
Baer and Wilde Co., The, Attleboro, Mass. "Kum-A-Part." (For Cuff-Buttons.) No. 20,614; May 21; v. 250; p. 765.
Baer and Wilde Co., The, Attleboro, Mass. "Best Buttons for Soft or Stiff Cuffs." (For Pads for Displaying Buttons.) No. 20,659; June 18; v. 251; p. 673.
Bancroft, Paul, San Francisco and Concord, Cal. "Mt. Diablo Fruit Farm." (For California Bartlett Pears.) No. 20,910; Oct. 22; v. 255; p. 827.
Banks, Francis M., Pittsburgh, Pa. "M. F. B. Scientific Hair Grower." (For a Hair Preparation.) No. 20,976; Nov. 19; v. 256; p. 645.
Barbanell, Fabian, San Francisco, Cal. "Barbanell's Perspiration Corrector." (For Deodorizing Preparation.) No. 20,462; Jan. 22; v. 246; p. 1029.
Barkdoll Candy Company, Milwaukee, Wis. "Coco-Hula Bar." (For Candy-Boxes.) No. 20,587; Apr. 23; v. 249; p. 984.
Barret, Henry P., Henderson, Ky. "Kentucky Cardinal Brand." (For Apples.) No. 21,009; Nov. 26; v. 256; p. 819.
Baumgartner, Moses M., Freeport, Ill. "Buttercup Whole Rice." (For Whole Rice.) No. 21,010; Nov. 26; v. 256; p. 819.
Beadleston & Woerz, New York, N. Y. "An Ideal Beverage." (For a Non-Intoxicating Beverage.) No. 20,463; Jan. 22; v. 246; p. 1029.
Beckman Company, The, Cleveland, Ohio. "Beckman Bed Blankets." (For Bed-Blankets.) No. 20,708; July 2; v. 252; p. 243.
Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Brand Cough Drops." (For Cough-Drops.) No. 20,464; Jan. 22; v. 246; p. 1029.
Bell, Claude A., Tyngsboro, Mass. "Dr. M. Hermance's Asthma Medicine." (For Asthma and Hay-Fever Medicine.) No. 20,548; Mar. 12; v. 248; p. 499.
Bell, John C., Spring Place, Ga. "Bell's Fine Candies." (For Candy.) No. 20,588; Apr. 23; v. 249; p. 984.
Berriman Bros., Chicago, Ill. "Recreation." (For Cigar-Boxes.) No. 20,576; Apr. 2; v. 249; p. 234.
Berry, Andrew H., New York, N. Y. "Niagara Luminator." (For Dry Batteries.) No. 20,615; May 21; v. 250; p. 765.
Berry, Andrew H., New York, N. Y. "Niagara Fire Pot." (For Dry Batteries.) No. 20,616; May 21; v. 250; p. 765.
Berry, Andrew H., Montclair, N. J. "Niagara Signal." (For Dry Batteries.) No. 20,636; May 28; v. 250; p. 997.
Blackman, Samuel, Philadelphia, Pa. "Almond Smash." (For a Fruit Flavoring-Syrup for Soft Drinks.) No. 20,465; Jan. 22; v. 246; p. 1029.
Blake, Ralph C., Parlier, Cal. "Sun Beam." (For California Fresh Fruits.) No. 21,047; Dec. 24; v. 257; p. 815.
Blaufuss, George, Napa, Cal. "Saxon." (For Apple Cider.) No. 20,660; June 18; v. 251; p. 673.
Blink & Kirchner, Saginaw, Mich. "Loraine's P and P Dermal Lotion." (For a Liquid Lotion for Chapped Hands, Face, and Lips.) No. 20,874; Oct. 8; v. 255; p. 365.
Bon Ton Millinery Co., Davenport, Iowa. "The Bon Ton." (For Millinery and Millinery-Trimmings.) No. 20,978; Nov. 19; v. 256; p. 645.
Bovee, Arthur, Wallace, Idaho. "Bovee's Cocoa Lilac Face Cream." (For Face-Cream.) No. 20,977; Nov. 19; v. 256; p. 645.
Brawley Bros., Litchfield, Ill. "Sabnor." (For Cigars.) No. 20,637; May 28; v. 250; p. 997.
Breakstone & Levine, New York, N. Y. "Polly Brand Neufchatel Cheese." (For Neufchatel Cheese.) No. 20,467; Jan. 22; v. 246; p. 1029.
Bristow & McDonald, Butte, Mont. "World's Wonder Polish." (For a Polish.) No. 20,709; July 2; v. 252; p. 243.
Brooklyn Macaroni M'f'g. Co., Brooklyn, N. Y. "Brooklyn Macaroni." (For Macaroni.) No. 20,589; Apr. 23; v. 249; p. 984.
Brown Brothers, Indianapolis, Ind. "Wild Rose Brand." (For Sugar-Cured Cooked Ham Regular.) No. 21,048; Dec. 24; v. 257; p. 815.
Brown Brothers, Indianapolis, Ind. "B B Brand." (For Skinned Ham.) No. 21,049; Dec. 24; v. 257; p. 815.
Bryn Mawr Fruit Growers Association, Bryn Mawr and Redlands, Cal. "Redlands Best." (For Oranges.) No. 21,050; Dec. 24; v. 257; p. 815.
Bryson, Thos. J., Macon, Ga. "Eggo, A Pure Rice, Corn, Milk, and Egg Product." (For a Substitute for Eggs.) No. 20,661; June 18; v. 251; p. 673.
Buisson, Gustave J., assignor of one-fourth to Jewell A. Sperling, New Orleans, La. "Sacred Heart of Jesus." (For Wax Tapers.) No. 20,776; Aug. 13; v. 253; p. 511.
Buquor Motor Co., El Paso, Tex. "No. 13 Auto Polish." (For Automobile-Polish.) No. 20,468; Jan. 22; v. 246; p. 1029.
Burdette, A. G., Little Rock, Ark. "Madam A. G. Burdette's Positive Hair Grower." (For a Hair Preparation.) No. 21,014; Nov. 26; v. 256; p. 819.
Burgess Battery Company, Madison, Wis. "Super Six." (For Electric Batteries.) No. 20,662; June 18; v. 251; p. 673.
Burton-Dixie Corporation, Chicago, Ill. "Burton-Dixie Down Ease Kapok." (For Prime Java Kapok.) No. 20,944; Nov. 5; v. 256; p. 221.
Burton-Dixie Corporation, Chicago, Ill. "Burton-Dixie Sun Cured Cotton Felt Mattress." (For Mattresses.) No. 20,945; Nov. 5; v. 256; p. 221.
Butteraid Company, Chicago, Ill. "Economo." (For a Product to be Mixed with Butter and Water.) No. 20,946; Nov. 5; v. 256; p. 221.
C. F. Hickok Co., The, Sandusky, Ohio. "Hickok's Chocolate Brittle." (For Chocolate Brittle.) No. 20,937; Oct. 22; v. 255; p. 827.
C. F. Hickok Co., The, Sandusky, Ohio. "Hickok's Chocolate Brittle." (For Chocolate-Brittle Chips.) No. 20,938; Oct. 22; v. 255; p. 827.
C. F. Sauer Co., The, Richmond, Va. "Sauer's." (For Flavoring Extracts.) No. 20,724; July 2; v. 252; p. 243.
C. W. Taves Co., Chicago, Ill. "Steel Proof Socks." (For Socks.) No. 21,062; Dec. 24; v. 257; p. 815.
C. W. Taves Co., Chicago, Ill. "S M S 6=Months Sock." (For Socks.) No. 21,063; Dec. 24; v. 257; p. 815.
C. W. Taves Co., Chicago, Ill. "Bullet Proof." (For Socks.) No. 21,064; Dec. 24; v. 257; p. 815.
Cagle, Matthew J., San Francisco, Cal. "Chief of all Patches." (For Self-Vulcanizing Patches.) No. 20,638; May 28; v. 250; p. 997.
Caldwell, Henry L., Jr., Minneapolis, Minn. "Caldwell's 33 cents The World Round." (For Coffee.) No. 20,777; Aug. 13; v. 253; p. 511.
California Bakers Specialty Co., Los Angeles, Cal. "Fig-Orang." (For a Preparation for Cake, Candy, and Ice-Cream Topping.) No. 20,639; May 28; v. 250; p. 997.
California Fig-Nut Co., Orange, Cal. "California Fig Nuts De Luxe." (For a Food Compound.) No. 20,663; June 18; v. 251; p. 673.
California Fruit Exchange, Sacramento, Cal. "Lock Brand." (For Crates Containing Fresh Grapes.) No. 20,737; July 30; v. 252; p. 1141.
California Growers Association, Los Angeles, Cal. "California Growers." (For Canned Apricots.) No. 20,640; May 28; v. 250; p. 997.
California Growers Association, Los Angeles, Cal. "California Producers." (For Canned Pears.) No. 20,641; May 28; v. 250; p. 997.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Yellow Cling-Peaches.) No. 20,979; Nov. 19; v. 256; p. 645.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Whole Beets.) No. 20,980; Nov. 19; v. 256; p. 645.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Red Pimientos.) No. 20,981; Nov. 19; v. 256; p. 645.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Gooseberries.) No. 20,982; Nov. 19; v. 256; p. 645.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Bartlett Pears.) No. 20,983; Nov. 19; v. 256; p. 645.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Green Chilli.) No. 20,984; Nov. 19; v. 256; p. 645.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Sweet Potatoes.) No. 20,985; Nov. 19; v. 256; p. 645.
California Packing Corporation, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Raspberries.) No. 20,986; Nov. 19; v. 256; p. 645.
Caliph, George, Fall River, Mass. "Arabian Sheik Balsam, 7." (For Proprietary Medicine.) No. 21,051; Dec. 24; v. 257; p. 815.
Cannard, B., Los Angeles, Cal. "Futburn Foot Lotion." (For a Preparation for the Feet.) No. 20,987; Nov. 19; v. 256; p. 645.
Chapman, C. W. H., Galveston, Tex. "Wonderful Number 9 Remedy Divine." (For a Remedial Preparation.) No. 20,832; Sept. 10; v. 254; p. 449.
Cardinell-Vincent Company, San Francisco, Cal. "Bluvel." (For Tracing-Paper.) No. 20,443; Jan. 15; v. 246; p. 822.
Castor, Henry S., Philadelphia, Pa. "Tar-Off." (For a Preparation for Taking Off or Removing Tar and Road-Oils from Automobiles.) No. 20,469; Jan. 22; v. 246; p. 1029.
Centennial Mill Co., Memphis, Tenn. "Centennial." (For Flour.) No. 20,665; June 18; v. 251; p. 673.
Centennial Mill Co., Memphis, Tenn. "Loyalty." (For Flour.) No. 20,731; July 9; v. 252; p. 502.

Alphabetical list of registrants of labels—Continued.

Centennial Mill Company, Seattle, Wash. "Klondike Gold." (For Wheat-Flour.) No. 20,664; June 18; v. 251; p. 673.
Chardeau Company, The, New York, N. Y. "Chardeau." (For Wine.) No. 20,666; June 18; v. 251; p. 673.
Chase-O Manufacturing Company, Philadelphia, Pa. "Chase-O." (For Laundry Crystals.) No. 20,850; Sept. 17; v. 254; p. 654.
Chessmore & Company, D. O., Atwood, Kans. "Cleanem." (For Preparation for Cleaning Woodwork, Metal, and Glassware.) No. 20,778; Aug. 13; v. 253; p. 511.
Chicago Consolidated Brewing & Malting Co., The, Chicago, Ill. "Salvo." (For a Non-Intoxicating Beverage.) No. 20,667; June 18; v. 251; p. 673.
Clark & Host Co., Milwaukee, Wis. "My Favorite." (For Coffee.) No. 20,851; Sept. 17; v. 254; p. 654.
Clark & MacKusick Company, Boston, Mass. "Boston Market." (For Coffee.) No. 20,590; Apr. 23; v. 249; p. 984.
Clarx Milling Company, Minneapolis, Minn. "100% Pure Clarx New Process Whole Wheat Flour." (For Whole-Wheat Flour.) No. 20,470; Jan. 22; v. 246; p. 1029.
Clinton Furniture Company, Clinton, Iowa. "Guaranteed Clinton Bed Springs." (For Wire Bed-Springs.) No. 20,779; Aug. 13; v. 253; p. 511.
Clover Manufacturing Co., Norwalk, Conn. "Clover Compound." (For Abrasive Materials.) No. 20,738; July 30; v. 252; p. 1141.
Coast Fishing Company, Inc., Wilmington, Cal. "Navarro Brand." (For Canned Sardines in Peanut-Oil.) No. 20,988; Nov. 19; v. 256; p. 645.
Cole Lithographic Co., Chicago, Ill. "Hand Made." (For Cigars.) No. 20,989; Nov. 19; v. 256; p. 645.
Cole & Reed, Alcester, S. D. "Bug-O-Less." (For Insect-Poison.) No. 20,780; Aug. 13; v. 253; p. 511.
Columbia Fastener Company, Chicago, Ill. "C F C." (For Dress-Fasteners.) No. 20,947; Nov. 5; v. 256; p. 221.
Columbia Fastener Company, Chicago, Ill. "The Gem Of The Notions." (For Dress-Fasteners.) No. 21,015; Nov. 26; v. 256; p. 819.
Columbia Laboratories Co., The, Dayton, Ohio. "Pep." (For Non-Alcoholic Carbonated Beverages.) No. 20,549; Mar. 12; v. 248; p. 499.
Community Coffee and Spice Company, Alliance, Ohio. "Community." (For Baking-Powder.) No. 20,500; Feb. 5; v. 247; p. 221.
Community Coffee and Spice Company, Alliance, Ohio. "Community." (For Peanut-Butter.) No. 20,501; Feb. 5; v. 247; p. 221.
Community Coffee and Spice Company, Alliance, Ohio. "Community." (For Tea.) No. 20,502; Feb. 5; v. 247; p. 221.
Community Coffee and Spice Company, Alliance, Ohio. "Community." (For Head-Rice.) No. 20,511; Feb. 12; v. 247; p. 478.
Congoleum Company, The, Philadelphia, Pa. "Congoleum Gold Seal." (For Rugs and Floor-Coverings.) No. 21,052; Dec. 24; v. 257; p. 815.
Conrad, Charles F., New York, N. Y. "Victory Cigarette." (For Cigarettes.) No. 21,053; Dec. 24; v. 257; p. 815.
Conrad, Charles F., New York, N. Y. "Victory Cigar." (For Cigars.) No. 21,085; Dec. 31; v. 257; p. 1079.
Contadina Canning Co., The, San Jose, Cal., and Chicago, Ill. "Contadina Brand." (For Canned Tomato Sauce.) No. 20,911; Oct. 22; v. 255; p. 827.
Crane, Clarence A., Cleveland, Ohio. ("Crane's Chocolates." (For Chocolates.) No. 20,550; Mar. 12; v. 248; p. 499.
Creamette Co., The, Minneapolis, Minn. "Creamette Cereals." (For Cereal Breakfast Food.) No. 20,739; July 30; v. 252; p. 1141.
Crenshaw, William N., Spokane, Wash. "Golden Brown." (For Health-Bread.) No. 20,669; June 18; v. 251; p. 673.
Croce & Co., F. D., New York, N. Y. "Fresh Roasted Peanuts." (For Roasted Peanuts.) No. 20,759; Aug. 6; v. 253; p. 257.
Crutchfield & Woolfolk, Pittsburgh, Pa. "Poppy Brand." (For Melons.) No. 20,617; May 21; v. 250; p. 765.
Cubola Cigar Company, Inc., New York, N. Y. "Over The Top." (For Cigars.) Nos. 21,016–17; Nov. 26; v. 256; p. 819.
Cubola Cigar Company Inc., New York, N. Y. "C. C. C. Memories, Over The Top." (For Cigars.) No. 21,018; Nov. 26; v. 256; p. 819.
Cutter-Tower Company, Inc., New York, N. Y. "Tooth Picks." (For Toothpicks.) No. 20,471; Jan. 22; v. 246; p. 1029.
D'Amico, Gaetano, Chicago Heights, Ill. "Gaetano D'Amico." (For Macaroni.) No. 20,642; May 28; v. 250; p. 997.
Daniels, George G., Ogdensburg, N. Y. "Krisper Kracker." (For Soda Crackers.) No. 20,591; Apr. 23; v. 249; p. 984.
Davis, Emerson, Concord, N. H. "Swheatmeal." (For a Wheat Food.) No. 20,551; Mar. 12; v. 248; p. 499.
Davis & Geck, Inc., Brooklyn, N. Y. "Trench Tubes." (For Trench-Tubes.) No. 20,711; July 2; v. 252; p. 243.
Davis, Herbert H., Kennewick, Wash. "Big 'K' Brand." (For Apples.) No. 20,781; Aug. 13; v. 253; p. 511.
Dennis, Kimball & Pope, Inc., New York, N. Y. "White Maltese Cross." (For Apples.) No. 20,618; May 21; v. 250; p. 765.
Dennis, Kimball & Pope, Inc., New York, N. Y. "Blue Maltese Cross." (For Apples.) No. 20,619; May 21; v. 250; p. 765.
Deshler Coffee Co., Deshler, Nebr. "Toast Brown." (For Coffee.) No. 20,552; Mar. 12; v. 248; p. 499.
Dexter, Eugene A., Springfield, Mass. "Dexter's Angel Cake." (For Angel Cake.) No. 20,852; Sept. 17; v. 254; p. 654.
Dexter, Eugene A., Springfield, Mass. "Dexter's Mother's Cake." (For Sponge-Cake.) No. 21,019; Nov. 26; v. 256; p. 819.
Di Giuseppe, Giovanni, Los Angeles, Cal. "Marca Vittoria." (For Tomato Paste.) No. 20,854; Sept. 17; v. 254; p. 654.
Dinuba Grape Grower's Ass'n., Dinuba, Cal. "Dinuba Diamond." (For Fresh Grapes.) No. 20,577; Apr. 2; v. 249; p. 234.
Dodd & Co., V. J., New Orleans, La. "Dodd's Worlds Greatest Puncture Cure Guaranteed." (For a Puncture-Cure Preparation.) No. 20,569; Mar. 26; v. 248; p. 1001.
Doseff, Ivan, Elgin, Ill. "Blue Pig Lice Powder." (For Lice-Powder.) No. 20,948; Nov. 5; v. 256; p. 221.
Drug Products Co., The, Inc., New York, N. Y. "Pulvoids, No. 373 Natrium Compound High Tension, Dr. M. C. Thrush." (For Pulvoids Representing a Compound of Potassium Nitrate, Sodium Nitrate, Sodium Bicarbonate, Nitroglycerin, &c. No. 20,670; June 18; v. 251; p. 673.
Duffy, John A., Sioux City, Iowa. "Duffy's Bitter Gum." (For Chewing-Gum.) No. 20,782; Aug. 13; v. 253; p. 511.
Duncan Coffee Co., Houston, Tex. "Thrift." (For Coffee in Cans.) No. 21,054; Dec. 24; v. 257; p. 815.
Duncan Coffee Co., Houston, Tex. "Admiration." (For Coffee in Cans.) No. 21,055; Dec. 24; v. 257; p. 815.
Duncan, William S., Springfield, Mass. "Automoonshine." (For Polish.) No. 20,740; July 30; v. 252; p. 1141.
Dunham, James A., Brooklyn, N. Y. "No Blow 'Atherton' Quality Veil." (For Veils.) No. 20,712; July 2; v. 252; p. 243.
Dupar & Company, Des Moines, Iowa. "Vegetable Compound With Viburnum." (For a Medicine.) No. 20,610; May 7; v. 250; p. 253.
E. A. Robertson Co., Saginaw, Mich. "E. A. Robertson Co., Makers of Ladies Waists and Costumes." (For Ladies' Waists and Costumes.) No. 20,899; Oct. 8; v. 255; p. 365.
E. I. Horsman Co., New York, N. Y. "Horsman's Boy Magician Outfit." (For Magician Outfits or Magic Sets.) No. 20,745; July 30; v. 252; p. 1141.
E. T. Blew Company, Grandview, Wash. "Blew." (For Fresh Apples.) No. 20,466; Jan. 22; v. 246; p. 1029.
Eaton Rapids Woolen Mills. (See Horner Bros., assignors.)
Eckman Manufacturing Company, Philadelphia, Pa. "Calcerbs." (For a Pharmaceutical Preparation.) No. 20,473; Jan. 22; v. 246; p. 1029.
Eggoe Company, The, Marshalltown, Iowa. "Eggoe." (For Egg Substitute.) No. 20,621; May 21; v. 250; p. 765.
Eldred, A. B., Chicago, Ill. "Kil-Odor." (For Deodorants.) No. 20,643; May 28; v. 250; p. 997.
Eldred Chemical Co., The, Chicago, Ill. "Kil-Odor." (For Deodorants.) No. 20,644; May 28; v. 250; p. 997.
Elliott, Clinton, New York, N. Y. "Personal Scale." (For Scales.) No. 20,783; Aug. 13; v. 253; p. 511.
Elmer Candy Co., Inc., New Orleans, La. "Southland." (For Candy.) No. 20,517; Feb. 26; v. 247; p. 963.
Emerson Phonograph Company, Inc., New York, N. Y. "Emerson Records." (For Phonograph-Record Disks.) No. 20,950; Nov. 5; v. 256; p. 221.
Emery Heel Sales Company, Boston, Mass. "Economy Fibre Taps." (For Taps for Boots and Shoes.) No. 21,086; Dec. 31; v. 257; p. 1079.
Ensko, Robert, New York, N. Y. "Ensko Silver Polish." (For Silver-Polish.) No. 20,951; Nov. 5; v. 256; p. 221.
Erwa Chemical Manufacturing Company, Needham, Mass. "Trench Proof." (For a Waterproofing Compound.) No. 20,784; Aug. 13; v. 253; p. 511.
Excelsior Baking Co., Minneapolis, Minn. "Butter-Krust Health Bread." (For Butter-Krust Health Bread.) No. 21,074; Dec. 24; v. 257; p. 815.
Fair City Bottling Works, Huron, S. D. "Puraqua Water." (For Distilled Water.) No. 20,760; Aug. 6; v. 253; p. 257.
Fairview Chemical Co., Fairview, Mont. "A Sur Shot." (For a Bot and Worm Remover.) No. 20,741; July 30; v. 252; p. 1141.
Fernandez, José, Brooklyn, N. Y. "José Fernandez." (For Cigars.) No. 21,075; Dec. 24; v. 257; p. 815.
Finkselman, George A., Chicago, Ill. "Antiseptic George's Medicated Cones." (For Antiseptic Suppositories.) No. 20,734; July 9; v. 252; p. 502.
Fischer Drug Co., Savannah, Ga. "Hicks Seminole Liniment." (For a Liniment.) No. 20,742; July 30; v. 252; p. 1141.

Alphabetical list of registrants of labels—Continued.

Ford, Elmer A., New York, N. Y. "Ford's Auto Polish." (For Polish for Automobiles.) No. 20,785; Aug. 13; v. 253; p. 511.
Formusa, V., Chicago, Ill. "V. Formusa." (For Alimentary Paste.) No. 20,743; July 30; v. 252; p. 1141.
Frank E. Block Company, Atlanta, Ga. "Rookies." (For Goober Kisses.) No. 20,758; Aug. 6; v. 253; p. 257.
Frazier Packing Co., The, Elwood, Ind. "Fraziers Green Checkered Brand." (For Beans With Pork.) No. 20,622; May 21; v. 250; p. 765.
Fred Miller Brewing Co., Milwaukee, Wis. "High Life." (For Non-Intoxicating Cereal Malt Beverages.) No. 20,892; Oct. 8; v. 255; p. 365.
French Sardine Company, San Pedro, Cal. "Sphinx." (For Canned Sardines.) No. 20,645; May 28; v. 250; p. 997.
Friedman, Alfred H., New York, N. Y. "555." (For Snap-Fasteners.) No. 20,761; Aug. 6; v. 253; p. 257.
Friedman-Kerr Company, Milwaukee, Wis. "Rainbow Chocolates." (For Candy-Boxes.) No. 20,578; Apr. 2; v. 249; p. 234.
Fugazzi Bros., Cincinnati, Ohio, and Clear Water, Fla. "Health Frutte." (For Florida Grape-Fruit.) No. 20,853; Sept. 17; v. 254; p. 654.
G. Batcheller Hall Company, Seattle, Wash. "Sunrise." (For Evaporated Milk.) No. 21,011; Nov. 26; v. 256; p. 819.
G. Batcheller Hall Company, Seattle, Wash. "Hall's Sealect." (For Canned Salmon.) No. 21,012; Nov. 26; v. 256; p. 819.
G. Batcheller Hall Company, Seattle, Wash. "Hall's Holsum." (For Canned Salmon.) No. 21,013; Nov. 26; v. 256; p. 819.
G. Heileman Brewing Co., La Crosse, Wis. "Heileman's New Style Lager." (For a Non-Intoxicating Lager.) No. 20,913; Oct. 22; v. 255; p. 827.
G. B. Lewis Company, Watertown, Wis. "Beware Where You Buy Your Beeware." (For Beehives and other Apiarian Equipment.) No. 20,824; Sept. 3; v. 254; p. 223.
G. H. Dunbar & Sons, Inc., New Orleans, La., and Gulfport, Miss. "Lasses-Tayters." (For Molasses and Sweet-Potato Yams.) No. 20,472; Jan. 22; v. 246; p. 1029.
G. H. Dunbar & Sons, New Orleans, La., and Gulfport, Miss. "G. H. Dunbar & Sons Brand." (For Canned Shrimp.) No. 20,912; Oct. 22; v. 255; p. 827.
G. J. Liebrich Co., Chicago, Ill. "Over Awl Brand." (For Orange Shellac.) No. 20,886; Oct. 8; v. 255; p. 365.
G. H. P. Cigar Co., Philadelphia, Pa. "El Producto." (For Cigars.) No. 20,516; Feb. 26; v. 247; p. 963.
Gale-Evans Company, Inc., Minneapolis, Minn. "Gale's Place-O-Egg." (For a Baking and Cooking Compound.) No. 20,786; Aug. 13; v. 253; p. 511.
Galveston Brewing Association, Galveston, Tex. "Galvo." (For Non-Intoxicating Cereal Beverages.) No. 20,519; Feb. 26; v. 247; p. 963.
Garrotto & Catania, Omaha, Nebr. "La Bella Sicilia." (For Macaroni.) No. 20,592; Apr. 23; v. 249; p. 984.
Gelfand, Simon, Baltimore, Md. "Gelfand's Mayonnaise." (For Mayonnaise.) No. 20,875; Oct. 8; v. 255; p. 365.
George Borgfeldt & Co., New York, N. Y. "Active Blocks." (For Toy Building-Blocks.) No. 20,730; July 9; v. 252; p. 502.
George Frost Company, Boston, Mass. "Boston Garter." (For Men's Garters.) Nos. 20,838–41; Sept. 10; v. 254; p. 449.
Germicide Company, The, Denver, Colo. "Denver Mud." (For Plastic Dressings.) No. 20,474; Jan. 22; v. 246; p. 1029.
Gibbs, John, Terre Haute, Ind. "Gibbs' Aromatic Oil." (For Aromatic Oil.) No. 20,762; Aug. 6; v. 253; p. 257.
Glass, Edward, Troy, N. Y. "Ed's Rochell Salts in Tablets." (For Rochelle Salts.) No. 20,646; May 28; v. 250; p. 997.
Glassheim, Abraham, New York, N. Y. "Coronet." (For Snap-Fasteners.) No. 20,647; May 28; v. 250; p. 997.
Goetjen & Workman, San Francisco, Cal. "Reel Brand." (For Chicken Tamale.) No. 21,056; Dec. 24; v. 257; p. 815.
Goldberg, David N., Chicago, Ill. "Radio." (For a Non-Alcoholic Non-Intoxicating Fruit and Nut Beverage.) No. 20,842; Sept. 10; v. 254; p. 449.
Goldenwest Citrus Ass'n, Tustin, Cal. "Corporal." (For Oranges.) No. 20,763; Aug. 6; v. 253; p. 257.
Goldenwest Citrus Ass'n, Tustin, Cal. "Captain." (For Oranges.) No. 20,764; Aug. 6; v. 253; p. 257.
Goldenwest Citrus Ass'n, Tustin, Cal. "Colonel." (For Oranges.) No. 20,765; Aug. 6; v. 253; p. 257.
Goldenwest Citrus Ass'n, Tustin, Cal. "General." (For Oranges.) No. 20,766; Aug. 6; v. 253; p. 257.
Goldenwest Citrus Ass'n, Tustin, Cal. "Admiral Uniform Brands." (For Lemons, Citrus.) No. 20,952; Nov. 5; v. 256; p. 221.
Goldenwest Citrus Ass'n, Tustin, Cal. "Commodore Uniform Brands." (For Lemons.) No. 20,953; Nov. 5; v. 256; p. 221.
Goldenwest Citrus Ass'n, Tustin, Cal. "Officer Uniform Brands." (For Lemons.) No. 20,954; Nov. 5; v. 256; p. 221.
Goldenwest Citrus Ass'n, Tustin, Cal. "Sailor Uniform Brands." (For Lemons.) No. 20,955; Nov. 5; v. 256; p. 221.
Goulden, Henry A., Botsford, Conn. "Kure Zit." (For Ivy-Poisoning.) No. 20,555; Mar. 12; v. 248; p. 499.
Graffenberg, Henry, Dayton, Ohio. "Jersey Creamery Creamery Butter." (For Creamery-Butter.) No. 20,787; Aug. 13; v. 253; p. 511.
Gratton, George E., Dobbs Ferry, N. Y. "Cymric." (For Ointment.) No. 21,057; Dec. 24; v. 257; p. 815.
Green, Elijah V., Martinsville, Ind. "Streptogine." (For Streptogine.) No. 20,565; Mar. 19; v. 248; p. 767.
Growers Service Company, Yakima, Wash. "Potlatch." (For Fresh Apples.) No. 20,520; Feb. 26; v. 247; p. 963.
Guittard Company, San Francisco, Cal. "Guittard's Pure." (For Chocolate.) No. 20,475; Jan. 22; v. 246; p. 1029.
Haas, Baruch & Co., Los Angeles, Cal. "Nupak." (For Coffee.) No. 20,444; Jan. 15; v. 246; p. 822.
Haas, Baruch & Co., Los Angeles, Cal. "Iris." (For Canned Shrimp.) No. 20,593; Apr. 23; v. 249; p. 984.
Hagemeister Brewing Company, Green Bay, Wis. "Cameo." (For a Soft Drink.) No. 20,503; Feb. 5; v. 247; p. 221.
Haley, E. E., Richmond, Va. "Patrick County Va. Fairy or Luck Stone Co." (For Virginia Fairy or Lucky Stone.) No. 20,521; Feb. 26; v. 247; p. 963.
Hamblin, Annie L., Mount Vernon, N. Y. "Army Roll." (For a Confection.) No. 20,522; Feb. 26; v. 247; p. 963.
Hammerschlag Manufacturing Company, The, Garfield, N. J. "Liberty Bread." (For Bread.) No. 20,673; June 18; v. 251; p. 673.
Harlan Products Company, Indianapolis, Ind. "Pan-lan Stock Regulator." (For Pan-lan Stock-Regulator.) No. 20,990; Nov. 19; v. 256; p. 645.
Harris and Berntz Co., Philadelphia, Pa. "Sanitare." (For Nursing-Nipples.) No. 20,556; Mar. 12; v. 248; p. 499.
Harris and Berntz Co., Philadelphia, Pa. "Triumph." (For Nursing-Nipples.) No. 20,557; Mar. 12; v. 248; p. 499.
Harris & Berntz Co., Philadelphia, Pa. "The Tri-Font." (For Nursing-Nipples.) No. 20,767; Aug. 6; v. 253; p. 257.
Hart, Kathryn, New York, N. Y. "Yuth-A-Fying Lotion." (For a Treatment for Facial Use.) No. 21,020; Nov. 26; v. 256; p. 819.
Harter Candy Co., The, Toledo, Ohio. "Sweetheart Kisses." (For Kisses.) No. 20,714; July 2; v. 252; p. 243.
Haschka, Adam, New York, N. Y. "Crystal Hairoilin." (For a Preparation for the Skin, Hair, and Scalp.) No. 20,956; Nov. 5; v. 256; p. 221.
Heller & Long, New York, N. Y. "Linflax Suiting." (For Suitings.) No. 20,476; Jan. 22; v. 246; p. 1029.
Hewlett-Wilson Beverage Co., Salt Lake City, Utah. "Uta-Fruta Berriju." (For Fruit Beverage.) No. 20,674; June 18; v. 251; p. 673.
Higgins, William A., New York, N. Y. "Kurrant." (For Raisins.) No. 20,788; Aug. 13; v. 253; p. 511.
Hodgkins, George W., Washington, D. C. "Polka." (For Laundry Bluing.) No. 20,789; Aug. 13; v. 253; p. 511.
Hoffeld & Co., R., Buffalo, N. Y. "Bull Dog Patch." (For Patches.) No. 20,843; Sept. 10; v. 254; p. 449.
Holmen Canning Co., Holmen, Wis. "Service." (For Canned Peas.) No. 20,561; Mar. 12; v. 248; p. 499.
Honolulu Cracker Co., Honolulu, Hawaii. "Jolly Traveler." (For Candies.) No. 20,675; June 18; v. 251; p. 673.
Honore, Jack, Princeton, N. J. "Oleaqua." (For Hair-Tonic.) No. 20,744; July 30; v. 252; p. 1141.
Horner Bros., assignor to Eaton Rapids Woolen Mills, Eaton Rapids, Mich. "Allies." (For Wool Yarn.) No. 20,562; Mar. 12; v. 248; p. 499.
Horton Mfg. Co., The, Bristol, Conn. "Let's go a fishin." (For Steel Fishing-Rods.) No. 20,991; Nov. 19; v. 256; p. 645.
Howard Bros. Chemical Co., Buffalo, N. Y. "Buttermilk." (For Toilet Creams.) No. 20,790; Aug. 13; v. 253; p. 511.
Hull, Arthur M., Chicago, Ill. "La Meda Cold Creamed Powder." (For a Toilet Preparation.) Nos. 20,791-2; Aug. 13; v. 253; p. 511.
Hunnicutt, T. M. C., Athens, Ga. "Black Diamond Harness Grease." (For Harness-Grease.) No. 20,855; Sept. 17; v. 254; p. 654.
Indian Refining Company, New York, N. Y. "For Tired Wheels." (For Containers of Axle-Grease.) No. 20,623; May 21; v. 250; p. 765.
International Packing Corporation, Los Angeles, Cal. "Golf Club." (For Canned Sardines.) No. 20,793; Aug. 13; v. 253; p. 511.
J. C. Ainsley Packing Co., Campbell, Cal. "Campbell." (For Canned Apricots.) No. 20,634; May 28; v. 250; p. 997.
J. E. Shoemaker Co., The, San Francisco, Cal. "Last." (For Salad-Oil.) No. 21,061; Dec. 24; v. 257; p. 815.
Jackson, Andrew J., Springfield, Mass. "Andrew J. Jackson's Neuritis and Neuralgia Remedy." (For a Remedy.) No. 20,957; Nov. 5; v. 256; p. 221.

Alphabetical list of registrants of labels—Continued.

Jackson Medicine Company, The, Zanesville, Ohio. "Dr. Jackson's Digestive and Liver Powders." (For Digestive and Liver Powders.) No. 20,512; Feb. 12; v. 247; p. 478.
Jackson, S. C., Loveland, Colo., and Santa Ana, Cal. "Jackson's Pocket Gopher Killer." (For a Poison for Killing Rodents.) No. 20,992; Nov. 19; v. 256; p. 645.
Japan Tea Company, St. Paul, Minn. "Purity Brand Coffee." (For Coffee.) No. 20,914; Oct. 22; v. 255; p. 827.
Joannes Brothers Company, Los Angeles, Cal. "Joannes Original Spanish Brand." (For Worcestershire Sauce.) No. 20,877; Oct. 8; v. 255; p. 365.
Joannes Brothers Company, Los Angeles, Cal. "Old English." (For Worcestershire Sauce.) No. 20,878; Oct. 8; v. 255; p. 365.
Johansen Brothers Shoe Company, St. Louis, Mo. "Johansen Shoes." (For Shoes.) No. 20,445; Jan. 15; v. 246; p. 822.
John G. Neumeister Co., Chicago, Ill. "Ol-iv-nut." (For Blended Olive and Peanut Oils.) No. 21,059; Dec. 24; v. 257; p. 815.
John H. Wilkins Company, Washington, D. C. "A Perfect Blend Wilkins Coffee." (For Coffee.) No. 20,727; July 2; v. 252; p. 243.
Johnston Fruit Co., Santa Barbara, Cal. "Pacific." (For Lemons.) No. 20,715; July 2; v. 252; p. 243.
Johnston, John W., Rochester, N. Y. "Snow White." (For Water-Color Fluid.) No. 20,624; May 21; v. 250; p. 765.
Joseph Schlitz Brewing Co., Milwaukee, Wis. "Famo." (For Non-Intoxicating Beverages.) No. 20,581; Apr. 2; v. 249; p. 234.
Juniata Hosiery Mills, Mifflintown, Pa. "Novelty Fashioned." (For Hosiery.) No. 20,794; Aug. 13; v. 253; p. 511.
Kalamazoo Stationery Co., Kalamazoo, Mich. "Household Linen." (For Writing-Tablets, Writing-Papers, and Envelops.) No. 20,915; Oct. 22; v. 255; p. 827.
Kamm & Schellinger Co., Mishawaka, Ind. "Arrow—'It Hits the Spot.'" (For a Non-Intoxicating Cereal Beverage.) No. 20,676; June 18; v. 251; p. 673.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Corn-Hot 'The Indian Gave Us Corn' For Every Meal (To Be Cooked) The Original Has This Signature W. K. Kellogg." (For Prepared Food Made Partly or Wholly of Corn.) No. 20,570; Mar. 26; v. 248; p. 1001.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Toasted Corn Flakes." (For a Prepared Cereal Food Known as Corn Flakes.) No. 20,879; Oct. 8; v. 255; p. 365.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Toasted Corn Flakes are delicious with cream or milk." (For a Prepared Cereal Food Known as Corn Flakes.) No. 20,880; Oct. 8; v. 255; p. 365.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Evaporated Milk." (For a Prepared Food Known as Corn Flakes.) No. 20,881; Oct. 8; v. 255; p. 365.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Toasted Corn Flakes. Have You Ever Used Kellogg's Bran." (For a Prepared Cereal Food Known as Corn Flakes.) No. 20,882; Oct. 8; v. 255; p. 365.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Toasted Corn Flakes. Every Member of Your Family Needs a Little Bran." (For a Prepared Cereal Food Known as Corn Flakes.) No. 20,883; Oct. 8; v. 255; p. 365.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Toasted Corn Flakes Kellogg's Bran—For Your Family's Health." (For a Prepared Cereal Food Known as Corn Flakes.) No. 20,884; Oct. 8; v. 255; p. 365.
Kentucky Tobacco Product Company, The, Louisville, Ky. "Black Leaf 40." (For Nicotin Solution for Insecticides.) Nos. 21,087–9; Dec. 31; v. 257; p. 1079.
Keyser Chemical Company, Incorporated, Roanoke, Va. "Keyser's 'Pink' Liver Pills." (For Liver-Pills.) No. 20,523; Feb. 26; v. 247; p. 963.
Keyser Chemical Company, Incorporated, Roanoke, Va. "Keyser's 'Pink' Headache Powders." (For Headache-Powders.) No. 20,524; Feb. 26; v. 247; p. 963.
Keyser Chemical Company, Incorporated, Roanoke, Va. "Keyser's 'Pink' Corn and Bunion Plasters." (For Corn and Bunion Plasters.) No. 20,525; Feb. 26; v. 247; p. 963.
Keyser Chemical Company, Incorporated, Roanoke, Va. "K-K-K Keyser's 'Pink' Kold Kapsules." (For Capsules for the Treatment of Colds.) No. 20,526; Feb. 26; v. 247; p. 963.
Keystone Co., The, San Jose, Cal. "Mikado." (For Tea.) No. 20,768; Aug. 6; v. 253; p. 257.
King, Mme., Baltimore, Md. "Nu-Hair Restorer." (For a Preparation for the Hair.) No. 20,446; Jan. 15; v. 246; p. 822.
Klauber Trading Corporation, The, New York, N. Y. "Bunny Rose." (For Cocoa.) No. 20,885; Oct. 8; v. 255; p. 365.
Knickerbocker Chocolate Company, (Inc.,) New York, N. Y. "Sportsman's Chocolate-Bracer—A Man's Chocolate." (For Eating-Chocolate.) No. 21,021; Nov. 26; v. 256; p. 819.
Korinek, Joseph, Chicago, Ill. "Dea Wonderful Salve." (For a Salve.) No. 20,477; Jan. 22; v. 246; p. 1029.
Korn, Oscar, Detroit, Mich. "Cool-Flow." (For Non-Alcoholic Beverages.) No. 20,746; July 30; v. 252; p. 1141.
Krank, Alfred J., St. Paul, Minn. "Krank's Kleanafloor." (For a Preparation for Cleaning and Dust-Proofing Floors.) No. 20,563; Mar. 12; v. 248; p. 499.
Krank, Alfred J., St. Paul, Minn. "Krank's Lemon Cleansing Cream." (For Cold-Cream and Cleansing-Cream.) No. 20,716; July 2; v. 252; p. 243.
Krank, Alfred J., St. Paul, Minn. "Krank's Shoe Cream." (For a Preparation for Polishing and Preserving All Kinds of Leather.) No. 20,717; July 2; v. 252; p. 243.
Krieger, Arthur H., New York, N. Y. "Filter-Cel for Better Filtration." (For Filter-Cel.) No. 20,527; Feb. 26; v. 247; p. 963.
Kundert & Steinle, Madison, Wis. "P. D. S. Cough Stop." (For Cough Medicine.) No. 21,022; Nov. 26; v. 256; p. 819.
L. Black Company, Rochester, N. Y. "'Meltonia' (Cloth) Made Expressly For 'Vogue Clothes.'" (For Clothes.) No. 20,515; Feb. 26; v. 247; p. 963.
L. Hartz & Bank, Baltimore, Md. "Yale Tailoring Company." (For Clothing.) No. 20,876; Oct. 8; v. 255; p. 365.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Paste." (For Soldering-Flux, Paste Form.) No. 20,453; Jan. 22; v. 246; p. 1029.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Salts." (For Soldering-Flux, Granular Form.) No. 20,454; Jan. 22; v. 246; p. 1029.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Liquid." (For Soldering-Flux, Liquid Form.) No. 20,455; Jan. 22; v. 246; p. 1029.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Salts." (For Soldering-Flux, Granular Form.) No. 20,456; Jan. 22; v. 246; p. 1029.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Paste." (For Soldering-Flux, Paste Form.) No. 20,457; Jan. 22; v. 246; p. 1029.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Salts." (For Soldering-Flux, Granular Form.) No. 20,458; Jan. 22; v. 246; p. 1029.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Paste." (For Soldering-Flux, Paste Form.) No. 20,459; Jan. 22; v. 246; p. 1029.
L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Liquid." (For Soldering-Flux, Liquid Form.) Nos. 20,460–1; Jan. 22; v. 246; p. 1029.
La Kurba Cigar Company, Chicago, Ill. "Andrew Jackson." (For Cigars.) No. 21,023; Nov. 26; v. 256; p. 819.
Laadt, Jerome, Chicago, Ill. "Liberty Weekly Income Record." (For Bookkeeping Systems.) No. 20,856; Sept. 17; v. 254; p. 654.
Lange Company, The, De Pere, Wis. "Lange's 'Over The Top.'" (For Canned Pumpkins.) No. 20,916; Oct. 22; v. 255; p. 827.
Lefas, Stephen D., Washington, D. C. "Columbia Brand Ginger Ale." (For Ginger-Ale.) No. 20,822; Sept. 3; v. 254; p. 223.
Levy, Isadore P., Dallas, Tex. "Perwo." (For a Non-Intoxicating Beverage.) No. 20,823; Sept. 3; v. 254; p. 223.
Lily Cup Co., Inc., New York, N. Y. "Lily Towels." (For Paper Towels.) No. 20,917; Oct. 22; v. 255; p. 827.
Liverade Medicine Co., Fulton, Ky. "Wallace's Liverade, Aids The Liver." (For a Remedy for Constipation, Sour Stomach, Indigestion, Sick Headache, Dizziness, Biliousness, and Torpid Liver.) No. 20,499; Jan. 29; v. 246; p. 1202.
Longman and Martinez, New York, N. Y. "Longman's Superior White Zinc." (For White Zinc.) No. 20,447; Jan. 15; v. 246; p. 822.
Loos & Dilworth, Philadelphia, Pa. "Olmstead's Silk Oil." (For a Prepared Oil for Softening and Degumming Raw Silk.) No. 20,478; Jan. 22; v. 246; p. 1029.
Lower California Fisheries Co., San Diego, Cal. "Sea Pearl." (For Canned Tuna Fish.) No. 20,594; Apr. 23; v. 249; p. 984.
Lower California Fisheries Co., San Diego, Cal. "Quality." (For Canned Sardines.) No. 20,595; Apr. 23; v. 249; p. 984.
Lower California Fisheries Co., San Diego, Cal. "La Crosse." (For Canned Sardines.) No. 20,596; Apr. 23; v. 249; p. 984.
Malldunn Medicine Company, Lynn, Mass. "Malldunn Anti-Sor-Nes Oil." (For a Healing Oil or Liniment.) No. 20,993; Nov. 19; v. 256; p. 645.
Mangan & Co., New York, N. Y. "Hairforever." (For Hair-Tonic.) No. 20,479; Jan. 22; v. 246; p. 1029.
Manhattan Baking Powder Co., New York, N. Y. "Manhattan." (For Cocoa.) No. 20,677; June 18; v. 251; p. 673.
Manhattan Baking Powder Co., New York, N. Y. "Manhattan, Our Best." (For Baking-Powder.) No. 20,887; Oct. 8; v. 255; p. 365.
Manila Commercial Co., Manila, Philippine Islands. "Aromas." (For Cigars.) No. 20,611; May 7; v. 250; p. 253.

Alphabetical list of registrants of labels—Continued.

Marshall Canning Company, Marshalltown, Iowa. "Kreamed Korn Kernels." (For Creamed Corn-Kernels.) No. 20,857; Sept. 17; v. 254; p. 654.
Marshall Canning Co., Marshalltown, Iowa. "Needmore." (For Canned Lima Beans.) No. 20,888; Oct. 8; v. 255; p. 365.
Marshall Canning Co., Marshalltown, Iowa. "Dairy Maid Brand." (For Canned Corn-Kernels in Rich Creamy Milk.) No. 20,918; Oct. 22; v. 255; p. 827.
Marshall Canning Co., Marshalltown, Iowa. "Needmore Brand." (For Canned Corn-Kernels in Rich Creamy Milk.) No. 20,919; Oct. 22; v. 255; p. 827.
Martin & Sons, Wagoner, Okla. "Allgood." (For Flour.) No. 20,889; Oct. 8; v. 255; p. 365.
Martinez Canning Co., Martinez and San Francisco, Cal. "Martino." (For Canned Tomato Paste.) No. 20,858; Sept. 17; v. 254; p. 654.
Mary and Tuma, Washington and New Orleans, La. "Mary's Pure Ribbon Cane Syrup." (For Table-Syrups.) No. 20,625; May 21; v. 250; p. 765.
Mason, Au & Magenheimer, Brooklyn, N. Y. "Mason's Peaks Chocolate Cocoanut." (For Chocolate Cocoanut Candy.) No. 21,024; Nov. 26; v. 256; p. 819.
Massee, F. A., Hood River, Oreg. "Hood River Apples." (For Apples.) No. 20,571; Mar. 26; v. 248; p. 1001.
Maud & Bodkin, New York, N. Y. "Pro Patria." (For Cigars.) No. 21,090; Dec. 31; v. 257; p. 1079.
Mayer, Emil, Richmond Hill, N. Y. "Mayer's Redeemer of Gonorrhea and Syphilis Tertiary." (For the Cure of Gonorrhea and Syphilis Tertiary.) No. 20,994; Nov. 19; v. 256; p. 645.
McCrosky, F. B., Wilmington, Cal. "Del Rey Brand." (For Sardines.) No. 20,528; Feb. 26; v. 247; p. 963.
McGill, J. A., Chicago, Ill. "Orange Blossom." (For Suppositories.) No. 20,529; Feb. 26; v. 247; p. 963.
McInnes, Jack, Orange, Cal. "Oxford." (For Oranges.) No. 20,795; Aug. 13; v. 253; p. 511.
McInnes, Jack, Orange, Cal. "Sunrise." (For Oranges.) No. 20,796; Aug. 13; v. 253; p. 511.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Young Folk's Standard Library." (For Books.) No. 20,797; Aug. 13; v. 253; p. 511.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Naval Maneuvers." (For a Game.) No. 20,798; Aug. 13; v. 253; p. 511.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Star Game." (For a Game.) No. 20,799; Aug. 13; v. 253; p. 511.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Game of Skirmishers." (For a Game.) No. 20,800; Aug. 13; v. 253; p. 511.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Aviation Book." (For Jacket or Wrapper for Books so Entitled.) No. 20,860; Sept. 17; v. 254; p. 654.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "McLoughlin's One-Syl-La-Ble Books." (For a Jacket or Wrapper for the Books of the Series.) No. 20,893; Oct. 8; v. 255; p. 365.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "McLoughlin's American Army and Navy Cut Outs." (For Cut-Outs.) No. 20,894; Oct. 8; v. 255; p. 365.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Game Of Basket Ball." (For a Game.) No. 20,920; Oct. 22; v. 255; p. 827.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Fire Engine Picture Puzzle." (For a Picture-Puzzle.) No. 20,921; Oct. 22; v. 255; p. 827.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Locomotive Picture Puzzle." (For a Picture-Puzzle.) No. 20,922; Oct. 22; v. 255; p. 827.
McLoughlin Brothers, Inc., New York and Brooklyn, N. Y. "Game of Battles." (For a Game.) No. 21,076; Dec. 24; v. 257; p. 815.
McLoughlin Brothers, Inc., Brooklyn, N. Y. "Game of Telegraph Boy." (For a Game.) No. 21,091; Dec. 31; v. 257; p. 1079.
McNeil Drug Co., Jacksonville, Fla. "Magic Remedy." (For a Remedy Used for the Purpose of a Laxative.) No. 20,923; Oct. 22; v. 255; p. 827.
McQuay-Norris Mfg. Co., St. Louis, Mo. "McQuay-Norris Superoyl Ring." (For Rings.) No. 20,749; July 30; v. 252; p. 1141.
Medomak Canning Company, Rockland and Winslow Mills, Me. "Birds." (For Mince-Meat.) No. 20,959; Nov. 5; v. 256; p. 221.
Mendleson's Sons, A., Albany and New York, N. Y. "Giant Lye." (For a Lye.) No. 20,509; Feb. 12; v. 247; p. 478.
Mendleson's Sons, A., Albany and New York, N. Y. "Hudson Lye." (For a Lye.) No. 20,510; Feb. 12; v. 247; p. 478.
Merton Dairy Products Co., Merton, Wis. "Tea Rose." (For Condensed Milk.) No. 20,747; July 30; v. 252; p. 1141.
Michael Caputo & Co., Inc., Buffalo, N. Y. "Caputo." (For Olive-Oil.) No. 20,960; Nov. 5; v. 256; p. 221.
Michael Caputo & Co., Inc., Buffalo, N. Y. "Caputo Brand." (For Macaroni.) No. 20,961; Nov. 5; v. 256; p. 221.
Michigan Motor Garment Co., Greenville, Mich. "Never-Rip 'The Economy Glove'." (For Gloves.) No. 20,890; Oct. 8; v. 255; p. 365.
Middle States Condensed Milk Corp., Canastota, N. Y. "Loyalty." (For Condensed Milk.) No. 20,678; June 18; v. 251; p. 673.
Miller, Frank W., New York, N. Y. "Anti-Pneumonia." (For Medicine.) No. 20,801; Aug. 13; v. 253; p. 511.
Miller Rubber Co., The, Akron, Ohio. "Miller Standard." (For Cartons Containing Hot-Water Bottles.) No. 20,679; June 18; v. 251; p. 673.
Milwaukee Paper Box Company, Milwaukee, Wis. "Thrift War Selected Chocolates." (For Chocolates.) No. 20,844; Sept. 10; v. 254; p. 449.
Milwaukee Paper Box Company, Milwaukee, Wis. "Smith-Kirk Nuts and Jams." (For Chocolates.) No. 20,845; Sept. 10; v. 254; p. 449.
Milwaukee Paper Box Company, Milwaukee, Wis. "Smith-Kirk Hard Centers." (For Chocolates.) No. 20,846; Sept. 10; v. 254; p. 449.
Milwaukee Paper Box Company, Milwaukee, Wis. "Hickok's Forget me not Chocolates." (For Chocolates.) No. 20,847; Sept. 10; v. 254; p. 449.
Milwaukee Paper Box Company, Milwaukee, Wis. "Cherries Chocolate Covered." (For Chocolate-Covered Cherries.) No. 20,891; Oct. 8; v. 255; p. 365.
Mint Products Company, Inc., New York, N. Y. "Pep-O-Mint Life Savers, The Candy Mint With The Hole." (For Candy Lozenges.) No. 20,995; Nov. 19; v. 256; p. 645.
Mint Products Company, Inc., New York, N. Y. "Ci-O-Ve Life Savers, The Candy Mint With The Hole." (For Candy Lozenges.) No. 21,077; Dec. 24; v. 257; p. 815.
Mint Products Company, Inc., New York, N. Y. "Wint-O-Green Life Savers, The Candy Mint With The Hole." (For Candy Lozenges.) No. 21,078; Dec. 24; v. 257; p. 815.
Mitchell Chemical Co., Inc., Altoona, Pa. "20th Century." (For Liniment.) No. 21,092; Dec. 31; v. 257; p. 1079.
Moehle Lithographic Company, The, Brooklyn, N. Y. "Cuban Beauty." (For Cigars.) No. 20,597; Apr. 23; v. 249; p. 984.
Moehle Lithographic Company, The, New York and Brooklyn, N. Y. "La Corona De Cuba." (For Cigars.) No. 20,598; Apr. 23; v. 249; p. 984.
Moehle Lithographic Company, The, New York and Brooklyn, N. Y. "Goldie." (For Cigars.) No. 20,599; Apr. 23; v. 249; p. 984.
Moehle Lithographic Company, The, New York and Brooklyn, N. Y. "La Medalla De Ora." (For Cigars.) No. 20,600; Apr. 23; v. 249; p. 984.
Moehle Lithographic Company, The, New York and Brooklyn, N. Y. "Big Sam." (For Cigars.) No. 21,079; Dec. 24; v. 257; p. 815.
Moorhead, Edwin S., Los Angeles, Cal. "Moorhead." (For Orange Marmalade.) No. 20,802; Aug. 13; v. 253; p. 511.
Morgan, Virgil K., El Monte, Cal. "Pueblo Brand." (For Canned Apricots.) No. 20,962; Nov. 5; v. 256; p. 221.
Morgan, Virgil K., El Monte, Cal. "Linda Vista Brand." (For Canned Apricots.) No. 20,963; Nov. 5; v. 256; p. 221.
Morgan, Virgil K., El Monte, Cal. "Morgan's Brand." (For Canned Tomatoes.) No. 20,964; Nov. 5; v. 256; p. 221.
Mortellaro & Co., A., Tampa, Fla. "Dante." (For Macaroni.) No. 20,861; Sept. 17; v. 254; p. 654.
Moss, Charles H., Malden, Mass. "Perfection Orange Grapefruit Marmalade." (For Marmalade.) No. 20,480; Jan. 22; v. 246; p. 1029.
Mt. Holly Canning Co., Mount Holly, N. J. "Savoy Brand." (For Tomato Paste.) No. 20,481; Jan. 22; v. 246; p. 1029.
Naes, Louis, St. Louis, Mo. "Real American." (For Cigars.) No. 20,648; May 28; v. 250; p. 997.
Nafziger, Ralph L., Kansas City, Mo. "Loyalty Bread." (For Bread.) No. 20,482; Jan. 22; v. 246; p. 1029.
Nagano, Shinsaku, Chicago, Ill. "Tuji's." (For Bead Molasses.) No. 20,490; Jan. 22; v. 246; p. 1029.
Nagano, Shinsaku, Chicago, Ill. "Fuji." (For Chop-Suey Sauce.) No. 20,491; Jan. 22; v. 246; p. 1029.
Narragansett Dairy Company Ltd., Providence, R. I. "Butter-Nut Brand Nut-Margarine." (For Nut-Margarin.) No. 20,448; Jan. 15; v. 246; p. 822.
National Chemical Co., The, Detroit, Mich. "O K Soot Destroyer." (For Soot-Destroyer.) No. 20,566; Mar. 19; v. 248; p. 767.
Neptune Packing Co., Boothbay Harbor, Me. "West Coast." (For Canned Sardines.) No. 20,895; Oct. 8; v. 255; p. 365.
New England Laboratory Co., Lynn, Mass. "Burrill's Tooth Powder." (For Burrill's Tooth-Powder.) No. 21,025; Nov. 26; v. 256; p. 819.
Newton Tea & Spice Co., The, Cincinnati, Ohio. "Newton's Eggno." (For An Egg Substitute.) No. 20,579; Apr. 2; v. 249; p. 234.
Nile Garden Canning Co., Oakland, Cal. "Nile Garden." (For Canned Tomatoes with Purée from Trimmings.) No. 20,924; Oct. 22; v. 255; p. 827.
Niles, W. C., Oklahoma, Okla. "Luster Auto Klean." (For Auto-Polish.) No. 20,626; May 21; v. 250; p. 765.

Alphabetical list of registrants of labels—Continued.

Northern Ohio Dairy Company, Ashland, Ohio. "Sun Made Brand Nut-Margarine." (For Nut-Margarin.) No. 20,925; Oct. 22; v. 255; p. 827.
Northwest Tablet Company, St. Cloud, Minn. "The Educator." (For Tablets, Note and Composition Books.) No. 20,572; Mar. 26; v. 248; p. 1001.
Northwest Tablet Company, St. Cloud, Minn. "Capitol Lawn." (For Tablets.) No. 20,580; Apr. 2; v. 249; p. 234.
Norton, Walter, El Paso, Tex. "Zealite." (For Cement Plaster.) No. 21,083; Dec. 24; v. 257; p. 815.
Nuglo Company, Inc., The, Buffalo, N. Y. "Nuglo." (For Automobile Polish.) No. 20,530; Feb. 26; v. 247; p. 963.
O. W. Peirce Company, La Fayette, Ind. "Peco:" (For Canned Goods.) No. 20,862; Sept. 17; v. 254; p. 654.
Oatman Condensed Milk Co., The, Dundee, Ill. "American." (For Evaporated Milk.) No. 20,564; Mar. 12; v. 248; p. 499.
Ohio Butterine Company, Cincinnati, Ohio. "Kernel." (For Oleomargarin.) No. 20,965; Nov. 5; v. 256; p. 221.
Omaha Beverage Co., Omaha, Nebr. "Lactonade." (For a Non-Alcoholic Beverage.) No. 20,483; Jan. 22; v. 246; p. 1029.
Oriental Drug Co. Inc., New York, N. Y. "Alfoina." (For an Antipyretic and Sedative Medicine.) No. 20,803; Aug. 13; v. 253; p. 511.
Oriental Drug Co. Inc., New York, N. Y. "Fulton Pills." (For Cathartic Remedies.) No. 20,804; Aug. 13; v. 253; p. 511.
Oriental Drug Co. Inc., New York, N. Y. "Cinchonal." (For Antimalarial Pills.) No. 20,805; Aug. 13; v. 253; p. 511.
Oriental Drug Co., Inc., New York, N. Y. "Kolinoides." (For Prophylactic and Antiseptic Tablets.) No. 20,926; Oct. 22; v. 255; p. 827.
Oriental Silk Printing Company, New York, N. Y. "Authentic Designs." (For Silk and Cotton Samplers.) No. 20,718; July 2; v. 252; p. 243.
Oriental Silk Printing Company, New York, N. Y. "Authentic Designs." (For Silk and Cotton Knitting-Bags.) No. 20,719; July 2; v. 252; p. 243.
Oshkosh Muslin Underwear Co., Oshkosh, Wis. "Fair Sex." (For Ladies' Aprons.) No. 20,966; Nov. 5; v. 256; p. 221.
Ozene Company, Oklahoma, Okla. "Ozene." (For a Hair-Tonic and Dandruff Remedy.) No. 20,720; July 2; v. 252; p. 243.
P. Ballantine & Sons, Newark, N. J. "Ballantine's Ginger Ale." (For Ginger-Ale.) No. 20,873; Oct. 8; v. 255; p. 365.
P. Pastene & Co., Inc., Boston, Mass. "Purity Brand." (For Pure Tomato Sauce.) No. 20,927; Oct. 22; v. 255; p. 827.
Pacific Novelty Company, New York, N. Y. "Winifred Clark Twin-Plex Knitting Needle." (For Knitting-Needles.) No. 20,627; May 21; v. 250; p. 765.
Packard Dressing Co., Stoughton, Mass. "Packard Shoe Polishes." (For Shoe-Dressing.) No. 20,649; May 28; v. 250; p. 997.
Packard Dressing Co., Stoughton, Mass. "Packard Bright-O." (For Shoe and Leather Dressings.) No. 20,680; June 18; v. 251; p. 673.
Packard Dressing Co., Stoughton, Mass. "Packard Glycerine." (For a Shoe-Dressing.) No. 20,681; June 18; v. 251; p. 673.
Packard Dressing Co., Stoughton, Mass. "Packard Cream-O." (For Shoe and Leather Dressings.) No. 20,682; June 18; v. 251; p. 673.
Packard Dressing Co., Stoughton, Mass. "Packard Clean-O." (For Shoe and Leather Dressing.) No. 20,683; June 18; v. 251; p. 673.
Packard Dressing Co., Stoughton, Mass. "Packard Bonny Brown." (For Shoe and Leather, Kid, Calf, and Cordovan Dressing.) No. 20,806; Aug. 13; v. 253; p. 511.
Palazzolo, Joseph, New York, N. Y. "West-Falls." (For Hair-Dressing.) No. 20,484; Jan. 22; v. 246; p. 1029.
Palazzolo, Joseph, New York, N. Y. "The Million Dolls." (For Hair-Tonic.) No. 20,967; Nov. 5; v. 256; p. 221.
Panama Packing Co., New York, N. Y. "Red Eagle." (For Salmon.) No. 21,026; Nov. 26; v. 256; p. 819.
Panama Packing Co., New York, N. Y. "American Star." (For Salmon.) No. 21,027; Nov. 26; v. 256; p. 819.
Paul, Mary S., Pittsburgh, Pa. "Miss Paul's Perfection Hair Tonic." (For Hair-Tonic.) No. 21,093; Dec. 31; v. 257; p. 1079.
Paul, Mary S., Pittsburgh, Pa. "Miss Paul's Perfection Shampoo." (For Shampoo.) No. 21,094; Dec. 31; v. 257; p. 1079.
Peerless Polish Co., Altoona, Cal. "Peerless Polish." (For Polishing Compound.) No. 20,531; Feb. 26; v. 247; p. 963.
Peerless Orange Juice Company, Chicago, Ill. "Peerless." (For Orange-Juice.) No. 20,679; Aug. 6; v. 253; p. 257.
Pennsylvania Chocolate Company, Pittsburgh, Pa. "Zatek (The Economical Cocoa)." (For Cocoa.) No. 20,650; May 28; v. 250; p. 997.
Peoples Brewing Co., The, Terre Haute, Ind. "Celto." (For Non-Intoxicating Beverages.) No. 20,721; July 2; v. 252; p. 243.
Peppers, T. H., Los Angeles, Cal. "Famous Burt Johnson Brand." (For Fresh Peaches.) No. 20,770; Aug. 6; v. 253; p. 257.
Perfect Fastener Co., New York, N. Y. "Perfect." (For Spring Snap-Fasteners.) Nos. 21,028–9; Nov. 26; v. 256; p. 819.
Perkins Brothers, Inc., Bay City, Mich. "Perkins Perfect Peanut Products." (For Peanuts, Both Fresh and Salted.) No. 20,928; Oct. 22; v. 255; p. 827.
Perkins, Roby P., Baltimore, Md. "Perkins Royal Extra Blend Coffee." (For Coffee.) No. 20,485; Jan. 22; v. 246; p. 1029.
Peters Manufacturing Co., Boston, Mass., and New York, N. Y. "Peters Reignskin." (For Shoe Fabric.) No. 20,896; Oct. 8; v. 255; p. 365.
Peters Mfg. Co., Boston, Mass., and New York, N. Y. "American War Cloth." (For Cloth.) No. 20,601; Apr. 23; v. 249; p. 984.
Petersburg Packing Co., Seattle, Wash., and Petersburg, Alaska. "Holly-Time." (For Canned Salmon.) No. 20,504; Feb. 5; v. 247; p. 221.
Petersburg Packing Co., Seattle, Wash., and Petersburg, Alaska. "Pink of Perfection." (For Canned Salmon.) No. 20,505; Feb. 5; v. 247; p. 221.
Phillips, Phillip, Orlando, Fla. "From The Land of Sunshine, Florida Sweets." (For Citrus Fruits.) No. 20,897; Oct. 8; v. 255; p. 365.
Port-O-Live Tonic Company, Los Angeles, Cal. "Port-O-Live." (For a Tonic.) No. 20,486; Jan. 22; v. 246; p. 1029.
Potter & Wrightington, Boston, Mass. "Boston, 1915." (For Cake and Pastry Flour.) No. 20,684; June 18; v. 251; p. 673.
Pratt Olive Oil Company, Los Angeles, Cal. "Dr. Chas. Pratt's Lemon Olive Cream." (For a Cream.) No. 20,651; May 28; v. 250; p. 997.
Premier Packing Co., San Diego, Cal. "Steele's Deep C." (For Canned Sardines.) No. 20,582; Apr. 2; v. 249; p. 234.
Premier Packing Co., San Diego, Cal. "Steele's Premium." (For Canned Sardines.) No. 20,628; May 21; v. 250; p. 765.
Puritan Mfg. Co., Portland, Oreg. "Puritan Brand." (For Beverages and Non-Alcoholic Drinks.) No. 20,487; Jan. 22; v. 246; p. 1029.
Puritan Pharmaceutical Co., St. Louis, Mo. "Puritan Beauty." (For Face-Powder.) No. 20,898; Oct. 8; v. 255; p. 365.
Purity Cream Cheese Co., The, Cleveland, Ohio. "Edelweiss." (For Cheese.) No. 20,748; July 30; v. 252; p. 1141.
Pyrotol Chemical Company, Beaumont, Tex. "Pyrotol." (For Dental Preparations.) No. 20,629; May 21; v. 250; p. 765.
R. Hickmott Canning Co., San Francisco and Orwood, Cal. "Orwood." (For Canned Asparagus.) No. 20,558; Mar. 12; v. 248; p. 499.
R. Hickmott Canning Co., San Francisco and Orwood, Cal. "Golden Crown." (For Canned Asparagus.) No. 20,559; Mar. 12; v. 248; p. 499.
R. Hickmott Canning Co., San Francisco and Orwood, Cal. "Santa Cruz." (For Canned Asparagus.) No. 20,560; Mar. 12; v. 248; p. 499.
R. B. Biscuit Company, The, Cleveland, Ohio. "Xtra Good." (For Bread.) No. 20,506; Feb. 5; v. 247; p. 221.
Racine Tool & Machine Co., Racine, Wis. "Racine High Speed." (For Metal-Cutting Machines.) No. 20,513; Feb. 12; v. 247; p. 478.
Rainier Products Co., Seattle, Wash. "Soft—but Satisfying." (For Non-Alcoholic Cereal Beverage.) No. 20,929; Oct. 22; v. 255; p. 827.
Re-Juvenating Co., Philadelphia, Pa. "B-Slym." (For a Pharmaceutical Preparation.) No. 20,685; June 18; v. 251; p. 673.
Re-Juvenating Co., Philadelphia, Pa. "Spryng-Dew." (For a Pharmaceutical Preparation.) No. 20,686; June 18; v. 251; p. 673.
Re-Juvenating Co., Philadelphia, Pa. "B-Fluffy." (For a Pharmaceutical Preparation.) No. 20,687; June 18; v. 251; p. 673.
Re-Juvenating Co., Philadelphia, Pa. "Re-Juvenating Cold Cream." (For a Pharmaceutical Preparation.) No. 20,688; June 18; v. 251; p. 673.
Re-Juvenating Co., Philadelphia, Pa. "B-Young." (For a Pharmaceutical Preparation.) No. 20,689; June 18; v. 251; p. 673.
Re-Juvenating Co., Philadelphia, Pa. "Re-Juvenating Tissue Cream." (For a Pharmaceutical Preparation.) No. 20,690; June 18; v. 251; p. 673.
Reaves, Claire, Kansas City, Mo. "Morning Glow Creme." (For a Facial Cream.) No. 20,691; June 18; v. 251; p. 673.
Red River Milling Co., Fergus Falls, Minn. "Golden Pyramid." (For Wheat-Flour.) No. 21,058; Dec. 24; v. 257; p. 815.
Reilly & Co., Edward J., Baltimore, Md. "Eddie's Everlasting Black Dye." (For Dye.) No. 20,498; Jan. 29; v. 246; p. 1202.
Remue Remedies Company, The, Denver, Colo. "Remue." (For a Proprietary Preparation.) No. 20,722; July 2; v. 252; p. 243.

Alphabetical list of registrants of labels—Continued.

Republic Bag & Paper Co., New York, N. Y. "Sunflower Crepe Toilet Paper." (For Toilet-Paper.) No. 20,825; Sept. 3; v. 254; p. 223.
Republic Bag & Paper Co., New York, N. Y. "Cardinal Crepe Toilet Paper." (For Toilet-Paper.) No. 20,826; Sept. 3; v. 254; p. 223.
Republic Bag & Paper Co., New York, N. Y. "Domino Crepe Toilet." (For Toilet-Paper.) No. 20,827; Sept. 3; v. 254; p. 223.
Republic Bag & Paper Co., New York, N. Y. "Roly Poly Crepe Toilet Paper." (For Toilet-Paper.) No. 20,828; Sept. 3; v. 254; p. 223.
Republic Bag & Paper Co., New York, N. Y. "Hunter Crepe Toilet Paper." (For Toilet-Paper.) No. 20,829; Sept. 3; v. 254; p. 223.
Republic Bag & Paper Co., New York, N. Y. "Songbird Crepe Toilet Tissue." (For Toilet-Paper.) No. 20,830; Sept. 3; v. 254; p. 223.
Rex Specialty Co., The, Jersey City, N. J. "Rex Liquid Cement." (For Liquid Cement.) No. 20,671; June 18; v. 251; p. 673.
Richards, Lawrence, Hancock, Mich. "La Nelda." (For Cigars.) No. 20,630; May 21; v. 250; p. 765.
Ridgways Incorporated, New York, N. Y., and Chicago, Ill. "Her Majesty's Blend, Ridgways Tea." (For Ridgways Tea.) No. 21,080; Dec. 24; v. 257; p. 815.
Riley-Schubert-Grossman Co., The, Chicago, Ill. "America's Guide to Economy." (For Catalogues.) No. 20,750; July 30; v. 252; p. 1141.
Rippenbein, Morris, Perth Amboy, N. J. "Petofi Sandor." (For Smoking-Tobacco.) No. 20,602; Apr. 23; v. 249; p. 984.
Rivas Manufacturing Co., New York, N. Y. "Creme De Vie." (For Tonic Beverages.) No. 20,652; May 28; v. 250; p. 997.
Robinson, Maurice, Chester, Pa., and Hopewell, Va. "Atlas Tailors." (For Clothing.) No. 21,081; Dec. 24; v. 257; p. 815.
Rogers & Company, Inc., New York, N. Y. "Puzzle Pictures Fascinating and Instructive." (For Puzzles.) Nos. 20,930–1; Oct. 22; v. 255; p. 827.
Rogers & Company, Inc., New York, N. Y. "Puzzle Pictures Fascinating & Instructive." (For Puzzles.) No. 20,968; Nov. 5; v. 256; p. 221.
Ronzoni Macaroni Co., Inc., Long Island City, N. Y. "Le Mietitrici." (For Macaroni.) No. 20,808; Aug. 13; v. 253; p. 511.
Ronzoni Macaroni Co. Inc., Flushing, N. Y. "Angelo." (For Macaroni.) No. 20,831; Sept. 3; v. 254; p. 223.
Ronzoni Macaroni Co., Inc., Flushing, N. Y. "Emanuele Ronzoni." (For Macaroni.) No. 20,900; Oct. 8; v. 255; p. 365.
Rosenfeld, Joseph, New York, N. Y. "Over The Top." (For Chocolates.) No. 20,723; July 2; v. 252; p. 243.
Rothermel, Robert R., Delair, N. J. "Kleensem." (For a Preparation for Removing Paint, Grease, and All Impurities.) No. 20,603; Apr. 23; v. 249; p. 984.
Royal Worcester Corset Co., Worcester, Mass. "Bon Ton Corsets, The Most Fashionable and Perfect Fitting Corsets." (For Corsets.) No. 21,030; Nov. 26; v 256; p. 819.
Rush, Grace A., Cincinnati, Ohio. "Martha-Ann." (For Fruit Cake.) No. 20,653; May 28; v. 250; p. 997.
Russell Milling Company, The, Russell, Kans. "American Special." (For Wheat-Flour.) No. 20,608; May 7; v. 250; p. 253.
Russian Candy Co., Chicago, Ill. "Russian Style Fruit Karamel." (For Candy.) No. 20,654; May 28; v. 250; p. 997.
Russian Candy Co., Chicago, Ill. "Russian Style Fruit Karamel." (For Candy.) Nos. 21,003–6; Nov. 26; v. 256; p. 819.
Ruttenberg, Sam, Chicago, Ill. "Mikado." (For Chocolate Fruit Cake.) No. 20,932; Oct. 22; v. 255; p. 827.
Rysdale Candy Co., Grand Rapids, Mich. "White Head." (For a Cereal Beverage.) No. 20,848; Sept. 10; v. 254; p. 449.
S. Birkenwald Co., Portland, Oreg. "Extra Kettle Rendered Lard, S. Birkenwald Co., Butcher Supplies, Portland, Oregon." (For Lard.) No. 20,754; Aug. 6; v. 253; p. 257.
S. Birkenwald Co., Portland, Oreg. "Kettle Rendered Pure Lard, S. Birkenwald Co., Butcher Suplies, Portland, Oregon." (For Lard.) No. 20,755; Aug. 6; v. 253; p. 257.
S. Birkenwald Co., Portland, Oreg. "Kettle Rendered Our Own Make Pure Lard, S. Birkenwald Co., Butcher Supplies, Portland, Oregon." (For Lard.) No. 20,756; Aug. 6; v. 253; p. 257.
S. Birkenwald Co., Portland, Oreg. "Kettle Rendered Pure Lard Put up by S. Birkenwald Co., Butcher Supplies, Portland, Oregon." (For Lard.) No. 20,757; Aug. 6; v. 253; p. 257.
S. Glemby, Inc., New York, N. Y. "Lovelee." (For Hair-Nets.) No. 20,672; June 18; v. 251; p. 673.
Sachsel, Oscar, Chicago, Ill. "Caritas." (For Cigars.) No. 20,631; May 21; v. 250; p. 765.
Salant & Salant, New York, N. Y. "Trench." (For Shirts.) No. 20,632; May 21; v. 250; p. 765.
Salant & Salant, New York, N. Y. "French." (For Shirts.) No. 21,082; Dec. 24; v. 257; p. 815.
San Fernando Canning Co., San Fernando, Cal. "1918 Brand." (For Canned Apricots.) No. 21,060; Dec. 24; v. 257; p. 815.
Santa Cruz Canning Corporation, San Francisco and Santa Cruz, Cal. "Santa Cruz." (For Canned Sardines.) No. 21,031; Nov. 26; v. 256; p. 819.
Sani-Fold Company of California, The, San Francisco, Cal. "Sani-Fold Tooth Brush." (For Tooth-Brushes.) No. 20,488; Jan. 22; v. 246; p. 1029.
Schaab, John J., St. Louis, Mo. "Regatta." (For Cigars.) No. 20,809; Aug. 13; v. 253; p. 511.
Schoenfeld, Leo E., Chicago, Ill. "Pall Mall Olive Oil." (For Pure Olive-Oil.) No. 20,735; July 9; v. 252; p. 502.
Schuster Company, The, Cleveland, Ohio. "Schuster's Marshmallow Topping." (For Marshmallow Preparation.) No. 20,969; Nov. 5; v. 256; p. 221.
Schuster Company, The, Cleveland Ohio. "Grape-Ade." (For Syrup.) No. 20,996; Nov. 19; v. 256; p. 645.
Schuster Company, The, Cleveland, Ohio. "Schuster's Orange Rickey." (For Orange Rickey.) No. 20,997; Nov. 19; v. 256; p. 645.
Schwarzenbach Brewing Co., Hornell, N. Y. "Schwarzenbach New National Beverage." (For Non-Intoxicating Beverage.) No. 20,811; Aug. 13; v. 253; p. 511.
Schwarzenbach Brewing Co., Hornell, N. Y. "Schwarzenbach 'Brewing Co.' New National Brew." (For a Non-Intoxicating Beverage.) No. 20,812; Aug. 13; v. 253; p. 511.
Seattle Grain Company, Seattle, Wash. "Spring Blossom." (For Flour.) No. 20,970; Nov. 5; v. 256; p. 221.
Selah Fruit & Cold Storage Co., Selah, Wash. "Horse Shoe S." (For Fresh Apples.) No. 20,933; Oct. 22; v. 255; p. 827.
Shapiro & Co., Henry, Baltimore, Md. "The Fair Sex." (For Ladies' Skirts.) No. 20,489; Jan. 22; v. 246; p. 1029.
Sheestack, Antonia, Dobbs Ferry, N. Y. "Ma-Toneta." (For a Hair-Tonic.) No. 20,863; Sept. 17; v. 254; p. 654.
Shredded Wheat Company, The, Niagara Falls, N. Y. "Complimentary Sample Shredded Whole Wheat. (For Shredded-Wheat Biscuit.) No. 20,573; Mar. 26; v. 248; p. 1001.
Siems, Johann F., Colfax, Cal. "Grand Prize Brand P. P. I. E. 1915." (For Fresh Mountain Bartlett Pears.) No. 20,813; Aug. 13; v. 253; p. 511.
Silverberg Import Co., Inc., New York, N. Y. "Bonnie-B-slip-pon Veil." (For Veils.) No. 20,492; Jan. 22; v. 246; p. 1029.
Silverberg Import Co., Inc., New York, N. Y. "Bonnie-B-Buttons." (For Buttons.) No. 20,692; June 18; v. 251; p. 673.
Silverberg Import Company, Inc., New York, N. Y. "Bonnie-B Imported Hair Net." (For a Hair-Net.) No. 20,901; Oct. 8; v. 255; p. 365.
Simon Ascher & Co., Inc., New York, N. Y. "Ascher Knit Goods, with the Figure of the Lamb." (For Knit Goods.) No. 20,729; July 9; v. 252; p. 502.
Smithfield's Pure Food Co., Inc., The, Clarkson, N. Y. "Smithfield's Quality Golden Bantam Corn." (For Canned Golden Bantam Corn.) No. 20,864; Sept. 17; v. 254; p. 654.
Snap-Fastener Sales Co. Corp., New York, N. Y. "The Liberty." (For Snap-Fasteners.) No. 20,751; July 30; v. 252; p. 1141.
Solomon, Chapman, Jr., San Francisco, Cal. "La Bandera." (For Cigars.) No. 21,032; Nov. 26; v. 256; p. 819.
South Coast Canning Co. Inc., Long Beach, Cal. "Avalon." (For Canned Bonita.) No. 20,814; Aug. 13; v. 253; p. 511.
South Coast Canning Co., Inc., Long Beach, Cal. "Avalon." (For Canned Mackerel.) No. 20,815; Aug. 13; vol. 253; p. 511.
South Coast Canning Co., Inc., Long Beach, Cal. "Paramount." (For Canned Sardines.) No. 20,816; Aug. 13; v. 253; p. 512.
South Coast Canning Co. Inc., Long Beach, Cal. "Avalon." (For Canned Yellowtail.) No. 20,817; Aug. 13; v. 253; p. 512.
Southern California Fish Co., Port Los Angeles, Cal. "Sunset." (For Canned Sardines.) No. 20,693; June 18; v. 251; p. 673.
Sparkling Silverspoon Co., Cleveland, Ohio. "Sparkling Silverspoon." (For a Non-Intoxicating Refreshing Fruit Beverage.) No. 20,514; Feb. 12; v. 247; p. 478.
Spennetta, Jesse D., Orange, Cal. "Jim Dandy." (For Lemons.) No. 20,694; June 18; v. 251; p. 673.
Spennetta, Jesse D., Orange, Cal. "Jim Dandy." (For Oranges.) No. 20,695; June 18; v. 251; p. 673.
Spennetta, Jesse D., Orange, Cal. "Red Fox Brand." (For Oranges.) No. 20,818; Aug. 13; v. 253; p. 512.
Sphinx Underwear Co., Philadelphia, Pa. "Sphinx." (For Men's Athletic Underwear.) No. 20,902; Oct. 8; v. 255; p. 365.
Stafford Packing Co., The, Wilmington, Cal. "De Luxe." (For Canned Sardines.) No. 20,752; July 30; v. 252; p. 1141.
Standard Oil Company, San Francisco, Cal. "Pearl Oil." (For Illuminating-Oil.) No. 20,493; Jan. 22; v. 246; p. 1029.

Alphabetical list of registrants of labels—Continued.

Starr, Frank M., Birmingham, Ala. "Doctor Starr's Manhood Liver and Kidney Pills." (For Pills.) No. 20,819; Aug. 13; v. 253; p. 512.
Starr, Frank M., St. Louis, Mo. "Doctor Starr's Manhood Pills." (For Pills.) No. 21,033; Nov. 26; v. 256; p. 819.
Steel Packing Co., San Diego, Cal. "Steel Brand." (For Canned Sardines.) No. 21,034; Nov. 26; v. 256; p. 819.
Steinberg, George S., Council Bluffs, Iowa. "Brando Hot." (For a Non-Intoxicating Beverage.) No. 20,494; Jan. 22; v. 246; p. 1029.
Steinberg, George S., Council Bluffs, Iowa. "Rumo." (For a Non-Intoxicating Beverage.) No. 20,495; Jan. 22; v. 246; p. 1029.
Stewart Dickson & Co., Inc., New York, N. Y. "Manganese Paste." (For Manganese Paste.) No. 20,865; Sept. 17; v. 254; p. 654.
Stop Dandruff Co., Chicago, Ill. "Stop Dandruff Tonic." (For Hair-Tonic.) No. 20,583; Apr. 2; v. 249; p. 234.
Straits Packing Co., Seattle, Wash., and Skowl Arm, Alaska. "Xtragood." (For Canned Salmon.) No. 20,696; June 18; v. 251; p. 673.
Sugar Loaf Beverage Co., The, Winona, Minn. "U-No." (For a Non-Intoxicating Beverage.) No. 20,532; Feb. 26; v. 247; p. 963.
Sunderland Manufacturing Co., Chicago, Ill. "Sunderland Tire Pump." (For Tire-Pumps.) No. 20,655; May 28; v. 250; p. 997.
Swayze, Samuel M., New York, N. Y. "Over The Top Into Berlin." (For Games.) No. 20,725; July 2; v. 252; p. 243.
Swing Co., M. E., Washington, D. C. "Mesco brand cup tested Coffee, M. E. Swing Co., Washington, D. C. Blended So As To Produce A Coffee That Improves As It Cools In The Cup." (For Coffee.) No. 20,866; Sept. 17; v. 254; p. 654.
Syme, Eagle & Co., Chicago, Ill. "Quality." (For Canned Salmon.) No. 20,604; Apr. 23; v. 249; p. 984.
T. A. Faulds Company, Inc., Boston, Mass. "Aunt Tilly's." (For Cake Specialties.) No. 20,518; Feb. 26; v. 247; p. 963.
Taylor-Atkins Paper Company, The, Burnside and East Hartford, Conn. "Old Deerfield." (For Writing-Paper and Envelops.) No. 20,771; Aug. 6; v. 253; p. 257.
Taylor-Atkins Paper Company, The, Burnside and East Hartford, Conn. "Berkshire Valley." (For Writing-Paper and Envelops.) (No. 20,772; Aug. 6; v. 253; p. 257.
Taylor, Charles M., Jr., Maple Shade, N. J. "Taylor's Perfection." (For Imitation Coffee or Substitute for Coffee.) No. 20,449; Jan. 15; v. 246; p. 822.
Thomas A. Edison, Inc., West Orange, N. J. "The New Edison 'The Phonograph with a Soul.'" (For Phonographs.) No. 20,732; July 9; v. 252; p. 502.
Thomas & Co., Frederick, Md. "My-T Nice." (For Sugar-Cane.) No. 20,971; Nov. 5; v. 256; p. 221.
Thomas Crawford, Inc., Anaheim, Cal. "Crawford's." (For Orange Marmalade.) Nos. 20,605–6; Apr. 23; v. 249; p. 984.
Thoro Corporation, The, Chicago, Ill. "Thoro." (For Powdered Skin-Cleanser.) No. 20,736; July 9; v. 252; p. 502.
Thoro Corporation, The, Chicago, Ill. "Thoro." (For Powdered Skin-Cleaner.) No. 20,773; Aug. 6; v. 253; p. 257.
Three Minute Noodle Co., New York, N. Y. "Three Minute Noodles." (For Noodles.) No. 20,820; Aug. 13; v. 253; p. 512.
Tidwell, George M., Jr., Memphis, Tenn. "Kar-Shine." For a Cleaning and Polishing Fluid.) No. 20,972; Nov. 5; v. 256; p. 221.
Tietze, Julius, New York, N. Y. "Brook-Lin Beets-It For Korns." (For a Corn Remedy.) No. 21,035; Nov. 26; v. 256; p. 819.
Tillitt, S. E., Norfolk, Va. "Thirst-Ade." (For a Non-Alcoholic Beverage.) No. 20,998; Nov. 19; v. 256; p. 645.
Tri-State Cigar M'f'g. Co., The, New Brunswick, N. J. "Idyll." (For Cigars.) No. 20,726; July 2; v. 252; p. 243.
True Blue Biscuit Co., Spokane, Wash. "Branola." (For Health-Gems.) No. 20,774; Aug. 6; v. 253; p. 257.
Turney, Burton E., Bridgeport, Conn. "Salvus Dental Cream." (For Dental Cream.) No. 20,697; June 18; v. 251; p. 673.
Twin Rock Water Co., San Francisco, Cal. "Twin Rock." (For Laxative Water.) No. 20,584; Apr. 2; v. 249; p. 234.
Uddo Brothers Company, Inc., New Orleans, La. "Splendor American Night-Candles." (For Candles.) No. 21,065; Dec. 24; v. 257; p. 815.
United Growers Association of Turlock, Turlock, Cal. "'U G' Brand with Shield." (For Extra Fancy Quality Cantaloups.) No. 20,934; Oct. 22; v. 255; p. 827.
United States Corn Confection Co., The, Battle Creek, Mich. "Jacanjill Korn Kisses." (For Candied Popcorn.) No. 20,999; Nov. 19; v. 256; p. 645.
United States Rubber Company, New York, N. Y. "Marco Kold-Pak." (For Jar-Rubbers.) No. 21,066; Dec. 24; v. 257; p. 815.
Universal Cigar Co., Key West, Fla. "Universal Cigar Co." (For Cigars.) No. 20,507; Feb. 5; v. 247; p. 221.
Val Blatz, Jr. Candy Co., Milwaukee, Wis. "Love Letters." (For Candy Chocolate Dainties.) No. 20,973; Nov. 5; v. 256; p. 221.
Valiant Sales Company, Kansas City, Kans. "Valiantine." (For Liniment.) No. 20,633; May 21; v. 250; p. 765.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Consomme." (For Consommé.) No. 20,903; Oct. 8; v. 255; p. 366.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Hominy." (For Hominy.) No. 21,036; Nov. 26; v. 256; p. 819.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Peanut Butter." (For Peanut-Butter.) No. 21,037; Nov. 26; v. 256; p. 819.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Spaghetti." (For Spaghetti.) No. 21,038; Nov. 26; v. 256; p. 819.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Mustard." (For Mustard.) No. 21,039; Nov. 26; v. 256; p. 819.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Pumpkin." (For Pumpkin in Cans.) No. 21,040; Nov. 26; v. 256; p. 819.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Chili Sauce." (For Chilli Sauce.) No. 21,041; Nov. 26; v. 256; p. 819.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Chile Con Carne." (For Chile-Con-Carne.) No. 21,042; Nov. 26; v. 256; p. 819.
Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Tomato Catsup." (For Tomato Catsup.) No. 21,043; Nov. 26; v. 256; p. 820.
Van Camp Sea Food Co., San Pedro, Cal. "Van Camp's." (For Canned Sardine Paste.) No. 20,656; May 28; v. 250; p. 997.
Van Camp Sea Food Co., San Pedro, Cal. "Cove." (For Canned Sardines.) No. 20,705; June 18; v. 251; p. 674.
Vanomar Producers Inc., Van Nuys, Cal. "El Moro." (For Canned Peaches.) No. 20,698; June 18; v. 251; p. 674.
Vanomar Producers Inc., Van Nuys, Cal. "Marian." (For Canned Peaches.) No. 20,699; June 18; v. 251; p. 674.
Vanomar Producers Inc., Van Nuys, Cal. "Redondo." (For Canned Peaches.) No. 20,700; June 18; v. 251; p. 674.
Vanomar Producers Inc., Van Nuys, Cal. "Casa Blanca." (For Canned Peaches.) No. 20,701; June 18; v. 251; p. 674.
Vanomar Producers Inc., Van Nuys, Cal. "Coronado." (For Canned Peaches.) No. 20,702; June 18; v. 251; p. 674.
Vanomar Producers, Inc., Van Nuys, Cal. "La Cañada." (For Canned Apricots.) No. 20,703; June 18; v. 251; p. 674.
Vanomar Producers, Inc., Van Nuys, Cal. "Buena Vista." (For Canned Peaches.) No. 20,704; June 18; v. 251; p. 674.
Vanomar Producers, Van Nuys, Cal. "Wunderland." (For Canned Peaches.) No. 21,067; Dec. 24; v. 257; p. 815.
Vanomar Producers, Van Nuys, Cal. "Nugget." (For Canned Peaches.) No. 21,068; Dec. 24; v. 257; p. 815.
Vanomar Producers, Van Nuys, Cal. "Van Nuys." (For Canned Peaches.) No. 21,069; Dec. 24; v. 257; p. 815.
Vanomar Producers, Van Nuys, Cal. "Los Angeles Valley." (For Canned Peaches.) No. 21,070; Dec. 24; v. 257; p. 815.
Vasey, Julius J., Chicago, Ill. "U. S. A. The National Game." (For Playing-Cards.) No. 20,974; Nov. 5; v. 256; p. 221.
Velvet Snuff Co., Clarksville, Tenn. "Velvet Scotch Snuff." (For Snuff.) No. 21,095; Dec. 31; v. 257; p. 1079.
Vicomte Paul Ruinart de Brimont, Reims, France. "Champagne Wine." (For Wines.) No. 21,073; Dec. 24; v. 257; p. 815.
Von Hedemann, Leopold, Pittsburgh, Pa. "Probi." (For a Non-Alcoholic Beverage Used as a Substitute for Beer.) No. 20,904; Oct. 8; v. 255; p. 366.
W. D. Carpenter Co., Syracuse, N. Y. "No-Fly." (For a Fly-Spray.) No. 20,710; July 2; v. 252; p. 243.
W. H. Dyer Company, Evansville, Ind., Evansville, Ind. "W. H. Dyer's Own Pack." (For Tomato Catsup.) No. 20,553; Mar. 12; v. 248; p. 499.
W. H. Dyer Company, Evansville, Ind., Evansville, Ind. "W. H. Dyer's Own Pack." (For Red Kidney-Beans.) No. 20,554; Mar. 12; v. 248; p. 499.
W. H. Dyer Company, Evansville, Ind. "W. H. Dyer's Own Pack." (For String-Beans.) No. 20,620; May 21; v. 250; p. 765.
W. H. Dyer Company, Evansville, Ind., Evansville, Ind. "W. H. Dyer's Own Pack." (For Strawberries.) No. 20,949; Nov. 5; v. 256; p. 221.
Wagner, Adolph, Manchester, N. H. "Gingertone." (For Ginger-Ale.) No. 20,585; Apr. 2; v. 249; p. 234.

Alphabetical list of registrants of labels—Continued.

Wahl Adding Machine Company, Chicago, Ill. "Eversharp." (For Leads for Pencils.) No. 20,496; Jan. 22; v. 246; p. 1029.
Walker Properties Association, Austin, Tex. "Walker's Red Hot Tamales." (For Tamales.) No. 20,706; June 18; v. 251; p. 674.
Walker Properties Association, Austin, Tex. "Walker's Red Hot Chile Con Carne." (For Chilli-Con-Carne.) No. 20,707; June 18; v. 251; p. 674.
Walters, Warren E., Kansas City, Mo. "Obacco." (For a Substitute for Tobacco.) No. 21,000; Nov. 19; v. 256; p. 645.
Warner Jenkinson Mfg. Company, St. Louis, Mo. "Red Seal Chocolate Cream Soda Water." (For Chocolate Soda-Water.) No. 20,905; Oct. 8; v. 255; p. 366.
Warner Jenkinson Mfg. Company, St. Louis, Mo. "Red Seal Ginger Ale." (For Ginger-Ale.) No. 20,906; Oct. 8; v. 255; p. 366.
Warner Macaroni Company, Inc., The, Syracuse, N. Y. "Warner's." (For Macaroni, Spaghetti, Vermicelli, Egg-Alphabets, Egg-Ringlets, Elbow-Spaghetti, and Elbow-Macaroni. No. 20,567; Mar. 19; v. 248; p. 767.
Warshauer Steam Rye Bread Co., Inc., New York, N. Y. "Warshauer Steam Rye Bread." (For Bread.) No. 20,568; Mar. 19; v. 248; p. 767.
Washington Grain and Milling Company, Reardan, Wash. "Snow-Like." (For Flour.) No. 20,508; Feb. 5; v. 247; p. 221.
Washington Grain & Milling Co., Reardon, Wash. "War Winner." (For Self-Rising Flour.) No. 20,935; Oct. 22; v. 255; p. 827.
Wausau Manufacturing Company, Wausau, Wis. "Ivripic." (For Toothpicks.) No. 20,609; May 7; v. 250; p. 253.
Weinthrop Company, The, Chicago, Ill. "Robinson Crusoe Games." (For Games.) No. 20,586; Apr. 2; v. 249; p. 234.
Welch Grape Juice Co., The, Westfield, N. Y. "Welch's Grapelade." (For Grapelade.) No. 20,775; Aug. 6; v. 253; p. 257.
Western Fruit & Produce Co., Yakima, Wash. "Western Brand." (For the Best in Fresh Fruits Only.) No. 21,072; Dec. 24; v. 257; p. 815.
Wheat's Ice Cream Company, Buffalo, N. Y. "Wheat's." (For Canned Sweetened Condensed Milk.) No. 20,867; Sept. 17; v. 254; p. 654.
White House Milk Products Co., West Bend, Wis. "White House Brand." (For Canned Unsweetened Evaporated Milk.) No. 20,936; Oct. 22; v. 255; p. 827.
White House Milk Products Co., West Bend, Wis. "Moon Brand." (For Evaporated Milk.) No. 21,001; Nov. 19; v. 256; p. 645.
White Star Canning Co., East San Pedro, Cal. "Cresta." (For Canned Anchovies.) No. 20,533; Feb. 26; v. 247; p. 963.)
White Star Canning Co., East San Pedro, Cal. "Red Star." (For Canned Tuna Flakes.) No. 20,534; Feb. 26; v. 247; p. 963.
White Star Canning Co., East San Pedro, Cal. "White Star." (For Canned Mackerel.) No. 20,535; Feb. 26; v. 247; p. 963.
White Star Canning Co., East San Pedro, Cal. "White Star." (For Canned Sardines in Olive-Oil.) No. 20,536; Feb. 26; v. 247; p. 963.
White Star Canning Co., East San Pedro, Cal. "White Star." (For Canned Pilchard Sardines.) No. 20,537; Feb. 26; v. 247; p. 963.
White Star Canning Co., East San Pedro, Cal. "White Star." (For Canned Deviled Tuna.) No. 20,538; Feb. 26; v. 247; p. 963.
White Star Canning Co., East San Pedro, Cal. "White Star." (For Canned Barracuda.) No. 20,539; Feb. 26; v. 247; p. 963.
White Star Canning Co., East San Pedro, Cal. "Mission." (For Canned Sardines.) No. 20,868; Sept. 17; v. 254; p. 654.
White & Wyckoff Mfg. Co., Holyoke, Mass. "Homespun Linen." (For Stationery.) No. 21,096; Dec. 31; v. 257; p. 1079.
William Cluff Company, San Francisco, Cal. "Red Ribbon." (For String-Beans.) No. 20,668; June 18; v. 251; p. 674.
Woolman, Firm of E. W., Philadelphia, Pa. "A Square Meal." (For Milk-Bottles.) No. 20,450; Jan. 15; v. 246; p. 822.
Yocum, William H. H., Olney, Philadelphia, Pa. "Liberty Brand." (For Destroyer for Insects.) No. 21,002; Nov. 19; v. 256; p. 645.
Yonah Fruit Co., Cornelia, Ga. "Georgia Mountain." (For Fresh Apples.) No. 21,044; Nov. 26; v. 256; p. 820.
Yonah Fruit Co., Cornelia, Ga. "Georgia Mountain 'Y.'" (For Fresh Apples.) No. 21,045; Nov. 26; v. 256; p. 820.
Young, Wilbur F., Springfield, Mass. "Absorbine, Jr., The Antiseptic Liniment." (For Absorbine, Jr., Liniment.) Nos. 20,907–8; Oct. 8; v. 255; p. 366.
Young, Willis G., Chicago, Ill. "Peg-At-My-Heart." (For a Game.) No. 20,451; Jan. 15; v. 246; p. 822.
Young, Willis G., Chicago, Ill. "Spear-Em." (For a Game.) No. 20,452; Jan. 15; v. 246; p. 822.
Young, Willis G., Chicago, Ill. "Submarine-Drag." (For a Game.) No. 20,497; Jan. 22; v. 246; p. 1029.
Zimmerman, William, Cedar Rapids, Iowa. "Over The Top Zymange." (For a Preparation for the Treatment of Human Hair.) No. 21,046; Nov. 26; v. 256; p. 820.
Zlattner, David, Brooklyn, N. Y. "Pauline Garcia." (For Cigars.) No. 20,728; July 2; v. 252; p. 243.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

A. Schrader's Son, Inc., Brooklyn, N. Y. "Two Of Schrader's Products." (For Pump Couplings and Gages.) No. 4,872; Mar. 19; v. 248; p. 767.
A. Stein & Company, Chicago, Ill. "Black Border." (For Garters.) No. 4,859; Feb. 12; v. 247; p. 478.
Advance Automobile Accessories Corp., Chicago, Ill. "Makes Ford Brake Brake—Stops Chatter, Jar, Vibration, Keeps the Ford Fan Fanning." (For Transmission-Linings, Fan-Belts, and Brake-Linings.) No. 4,878; Apr. 23; v. 249; p. 984.
Air Reduction Sales Company, New York, N. Y. "Airco Welder." (For Oxyacetylene Welding Apparatus.) No. 5,034; Dec. 31; v. 257; p. 1079.
Aladdin Products Company, Chicago, Ill. "Aladdin Dye Soap." (For Dye-Soaps.) No. 4,989; Nov. 19; v. 256; p. 646.
American Calendar Company, Greenville, Tenn. "The American Calendar." (For Calendars.) No. 4,939; Sept. 17; v. 254; p. 654.
American Tobacco Co., The, New York, N. Y. "Open your package this way." (For Cigarettes.) No. 4,924; Aug. 13; v. 253; p. 512.
American Watch Tool Company, Waltham, Mass. "Magnus Wire Chuck." (For Wire Chucks.) No. 4,928; Sept. 10; v. 254; p. 449.
American Watch Tool Company, Waltham, Mass. "Improved Jeweling Swing Rest." (For Jeweling Swing-Rests.) No. 4,929; Sept. 10; v. 254; p. 449.
American Watch Tool Company, Waltham, Mass. "Magnus Headstock." (For Head-Stocks.) No. 4,930; Sept. 10; v. 254; p. 449.
American Watch Tool Company, Waltham, Mass. "Elect Headstock." (For Head-Stocks.) No. 4,931; Sept. 10; v. 254; p. 449.
American Watch Tool Company, Waltham, Mass. "Magnus Lathe." (For Lathes.) No. 4,932; Sept. 10; v. 254; p. 449.
American Watch Tool Company, Waltham, Mass. "Elect Lathe." (For Lathes.) No. 4,933; Sept. 10; v. 254; p. 449.
American Watch Tool Company, Waltham, Mass. "Elect Slide Rest." (For Slide-Rests.) No. 4,934; Sept. 10; v. 254; p. 449.
Antrim & Sons, C. W., Richmond, Va. "Boston Club." (For Cigars.) No. 4,940; Sept. 17; v. 254; p. 654.
Aunt Jemima Mills Company, St. Joseph, Mo. "60 Million Aunt Jemima breakfasts served last year Have one and see why." (For Pancake-Flour.) No. 4,869; Mar. 19; v. 248; p. 767.
Aunt Jemima Mills Company, St. Joseph, Mo. "Over 60 Million Aunt Jemima Breakfasts Served Last Year! Have One and Know Why:" (For Pancake-Flour.) No. 4,879; Apr. 23; v. 249; p. 984.
Aunt Jemima Mills Company, St. Joseph, Mo. "Aunt Jemima pancakes three mornings cost less than one breakfast of meat or eggs—and so delicious." (For Pancake-Flour.) No. 4,990; Nov. 19; v. 256; p. 646.
Aunt Jemima Mills Company, St. Joseph, Mo. "Serve your guests these pancakes—perfect every time." (For Pancake-Flour.) No. 4,991; Nov. 19; v. 256; p. 646.
Aunt Jemima Mills Company, St. Joseph, Mo. "Perfect pancakes every time! So quick so easy to make." (For Pancake-Flour.) No. 4,992; Nov. 19; v. 256; p. 646.
Aunt Jemima Mills Company, St. Joseph, Mo. "The breakfast that he likes best! The breakfast that's easiest for you." (For Pancake-Flour.) No. 4,993; Nov. 19; v. 256; p. 646.
Aunt Jemima Mills Company, St. Joseph, Mo. "Perfect pancakes every time! So quick, so easy to make!" (For Pancake-Flour.) No. 4,994; Nov. 19; v. 256; p. 646.

Alphabetical list of registrants of prints—Continued.

Aunt Jemima Mills Company, St. Joseph, Mo. "120 Million Aunt Jemima breakfasts served last year. They're so good. (For Pancake-Flour.) No. 4,995; Nov. 19; v. 256; p. 646.
Aunt Jemima Mills Company, St. Joseph, Mo. "More Aunt Jemima buckwheat cakes eaten every month! So fine-flavored! So quick to make!" (For Buckwheat-Flour.) No. 4,996; Nov. 19; v. 256; p. 646.
Auto Indicator Company, Grand Rapids, Mich. "Auto Indicator Safety Signal." (For Direction-Indicators for Use Upon Automobiles.) No. 4,974; Nov. 5; v. 256; p. 222.
B. V. D. Company, The, New York, N. Y. "Skim Light—over the—Heat Waves; Dress Light!" (For Athletic Underwear.) No. 5,001; Nov. 26; v. 256; p. 820.
B. V. D. Company, The, New York, N. Y. "Never too Hot." (For Athletic Underwear.) No. 5,002; Nov. 26; v. 256; p. 820.
B. V. D. Company, The, New York, N. Y. "Oh Yes, Sir." (For Athletic Underwear.) No. 5,003; Nov. 26; v. 256; p. 820.
B. V. D. Company, The, New York, N. Y. "Helping You Sell Articles of Cool—Dress—B. V. D. the Back-bone." (For Athletic Underwear.) No. 5,004; Nov. 26; v. 256; p. 820.
B. V. D. Company, The, New York, N. Y. "Safe—Never Out!" (For Athletic Underwear.) No. 5,005; Nov. 26; v. 256; p. 820.
Bailey, George H., Richmond Hill, N. Y. "Indian Disk." (For a Game.) No. 4,941; Sept. 17; v. 254; p. 654.
Barcalo Manufacturing Co., Buffalo, N. Y. "Barcalo-Buffalo Pure Kapok Mattresses." (For Kapok Mattresses.) No. 4,999; Nov. 26; v. 256; p. 820.
Beadleston & Woerz, New York, N. Y. "An Ideal Beverage." (For A Non-Intoxicating Beverage.) No. 4,862; Feb. 26; v. 247; p. 963.
Bis-Mac Manufacturing Co., The, Baltimore, Md. "Bis-Mac." (For a Drink.) No. 4,860; Feb. 12; v. 247; p. 478.
Bis-Mac Manufacturing Co., The, Baltimore, Md. "Bis Mac." (For a Drink.) No. 4,927; Sept. 3; v. 254; p. 223.
Black Cat Textiles Company, Kenosha, Wis. "Cooper's Original Spring Needle Underwear." (For Underwear.) No. 4,889; May 21; v. 250; p. 765.
Bosch Magneto Company, New York, N. Y. "America's Supreme Ignition System." (For Ignition Apparatus.) No. 5,014; Dec. 24; v. 257; p. 816.
Botnick, Saul W., Binghamton, N. Y. "Taber Combined Cut out and Muffler." (For a Combined Cut-Out and Muffler.) No. 5,000; Nov. 26; v. 256; p. 820.
Bronchal-Ease Company, The, Cincinnati, Ohio. "Bronchal-Ease. (For Bronchal-Ease.) No. 4,900; June 18; v. 251; p. 674.
Buwman, Samuel, New York, N. Y. "ESS=ARR Corn Remover." (For a Corn-Remover.) No. 4,953; Oct. 8; v. 255; p. 366.
Carter's Ink Co., The, Boston, Mass. "Keep Your Inkwell Filled With Carter's Writing Fluid." (For Ink.) No. 4,844; Jan. 15; v. 246; p. 822.
Clark & MacKusick Company, Boston, Mass. "Garden of Allah." (For Coffee.) No. 4,873; Mar. 26; v. 248; p. 1001.
Clarx Milling Company, Minneapolis, Minn. "Clarx Products 100% Pure." (For Flour.) No. 4,863; Feb. 26; v. 247; p. 963.
Columbia Carbon Company, The, Dayton, Ohio. "The Mineral Wax Twins 'Clean' and 'Good.'" (For Carbon-Paper and Type-Writer Ribbons.) No. 4,901; June 18; v. 251; p. 674.
Comfort Collar Clip Co., Chicago, Ill. "Comfort Collar Clips." (For Comfort Collar-Clips.) No. 4,948; Oct. 8; v. 255; p. 366.
Common Sense Novelty Co., Chicago, Ill. "Purity First." (For a Chocolate Confection.) No. 4,847; Jan. 22; v. 246; p. 1030.
Common Sense Novelty Co., Chicago, Ill. "Bergo Refreshes and Benefits." (For a Non-Intoxicating Beverage.) No. 4,875; Apr. 2; v. 249; p. 234.
Common Sense Novelty Co., Chicago, Ill. "Mulo Makes Thirst A Pleasure." (For Mulo.) No. 4,880; Apr. 23; v. 249; p. 984.
Connor, Albert W., Cincinnati, Ohio. "The 'Casco' System for Replacing Motor Boat Tops." (For Motor-Boat Tops.) No. 4,911; July 2; v. 252; p. 243.
Crane, James C., New York, N. Y. "Can't Start too Young." (For a Toilet Cream.) No. 4,912; July 2; v. 252; p. 243.
Cream of Wheat Co., Minneapolis, Minn. "Everlast." (For Concrete-Hardening.) No. 4,848; Jan. 22; v. 246; p. 1030.
Cream of Wheat Co., Minneapolis, Minn. "Opening The Case." (For Wheat Breakfast Food.) No. 4,849; Jan. 22; v. 246; p. 1030.
Cream of Wheat Co., Minneapolis, Minn. "The Food you never tire of." (For Wheat Breakfast Food.) No. 4,955; Oct. 22; v. 255; p. 828.
Cream of Wheat Co., Minneapolis, Minn. "The food you come back to when you can get it—and now you can." (For Wheat Breakfast Food.) No. 4,956; Oct. 22; v. 255; p. 828.
Cream of Wheat Co., Minneapolis, Minn. "None But the Brave Deserve the Fare." (For Wheat Breakfast Food.) No. 5,015; Dec. 24; v. 257; p. 816.
Daniel Hays Company, The, Gloversville, N. Y. "Hays Superseam Gloves." (For Leather Gloves.) No. 4,902; June 18; v. 251; p. 674.
Davis & Geck, Inc., Brooklyn, N. Y. "Trench Tubes." (For Trench-Tubes.) No. 4,919; Aug. 6; v. 253; p. 257.
Davis, Jacob, Philadelphia, Pa. "Thais Fettpuder." (For Face-Powder.) No. 4,892; May 28; v. 250; p. 997.
Detmer Woolen Co., New York, N. Y. "Beware." (For Detmer Woolens.) No. 4,913; July 2; v. 252; p. 243.
Detmer Woolen Company, New York, N. Y. "Come in, let us show you Detmer University Novelties. Latest Suitings." (For Detmer Woolens.) Nos. 4,997–8; Nov. 19; v. 256; p. 646.
E. A. Mallory & Sons, Inc., Danbury, Conn. "Mallory Hats." (For Hats.) No. 4,874; Mar. 26; v. 248; p. 1001.
E. A. Munns Kalsomine Co., Brooklyn, N. Y. "Decorate Your Homes." (For Calcimine.) No. 4,950; Oct. 8; v. 255; p. 366.
Economy Devices Corporation, New York, N. Y. "Unit-Safety-Bar." (For Locomotive and Tender Connections.) No. 4,857; Feb. 5; v. 247; p. 221.
Eldred Chemical Co., Chicago, Ill. "Kil-Odorite." (For Deodorants.) No. 4,893; May 28; v. 250; p. 997.
Express Spark Plug Co., Washington, D. C. "Be good to your Motor." (For Spark-Plugs.) No. 4,917; July 30; v. 252; p. 1141.
Fagley & Halpen, Philadelphia, Pa. "Handy." (For Canners.) No. 4,942; Sept. 17; v. 254; p. 654.
Gates Rubber Co., The, Denver, Colo. "Gates Tested Tubes." (For Tires.) No. 5,010; Nov. 26; v. 256; p. 820.)
Gates Rubber Co., The, Denver, Colo. "Take The Worry Out Of Driving." (For Tires.) No. 5,019; Dec. 24; v. 257; p. 816.
Griggs Cooper & Company, St. Paul, Minn. "Home." (For Food Products.) No. 4,904; June 18; v. 251; p. 674.
Gugler Lithographic Company, The, Milwaukee, Wis. "Schlitz Bock." (For Species of Beer Known as Bock.) No. 4,851; Jan. 22; v. 246; p. 1030.
H. W. Johns-Manville Co., New York, N. Y. "Colorblende Shingles." (For Asbestos Shingles.) Nos. 4,870–1; Mar. 19; v. 248; p. 767.
Henry H. Otten M'f'g Co., Inc., Philadelphia, Pa. "Gray-Ape." (For Soft Drinks.) No. 5,012; Nov. 26; v. 256; p. 820.
Icy Hot Bottle Company, The, Cincinnati, Ohio. "Icy Hot Soldier Boy." (For Heat-Insulated Bottles and Carafes.) No. 4,905; June 18; v. 251; p. 674.
Icy Hot Bottle Company, The, Cincinnati, Ohio. "Icy Hot Eskimo Boy." (For Heat-Insulated Bottles and Carafes.) No. 4,906; June 18; v. 251; p. 674.
Instant Products Company, The, Kansas City, Mo. "Delicious Instant Chile Recipes." (For Instant Chilli.) No. 4,852; Jan. 22; v. 246; p. 1030.
International Rubber Company, The, Denver, Col. "Gates Half Sole Tires." (For Tires.) No. 4,907; June 18; v. 251; p. 674.
International Shoe Co., St. Louis, Mo. "Half The Fun Of Having Feet." (For Shoes.) No. 4,882; Apr. 23; v. 249; p. 984.
International Silver Co., Meriden, Conn. "Tales Over the Tea Tables." (For Silverware.) No. 4,867; Mar. 12; v. 248; p. 499.
International Silver Co., Meriden, Conn. "A Gift of 1847 Rogers Bros. Silverware." (For Silverware.) No. 4,868; Mar. 12; v. 248; p. 499.
Iroquois Brewing Company, Buffalo, N. Y. "Iroquois Indian Head." (For Beer.) No. 4,894; May 28; v. 250; p. 997.
Jackson, Bessie C., Denver, Colo. "The Jackson." (For Talking-Machines.) No. 4,986; Nov. 5; v. 256; p. 222.
James S. Kirk & Co., Chicago, Ill. "Quality Counts." (For Kirk's Flake White Laundry Soap.) No. 4,971; Oct. 22; v. 255; p. 828.
James S. Kirk & Co., Chicago, Ill. "Lightens Laundry Labor." (For Kirk's Flake White Laundry Soap.) No. 4,972; Oct. 22; v. 255; p. 828.
Joseph, C. P., Lake Charles, La. Summer and Winter, Self Cleaning Rabbit Hutch." (For Rabbit-Hutches.) No. 5,016; Dec. 24; v. 257; p. 816.
K. F. & C. Tire & Rubber Corporation, Roanoke, Va. "Built to Go Around the World." (For Rubber Tires.) No. 4,896; May 28; v. 250; p. 997.
Kadans, Louis, New York, N. Y. "Yankee." (For Cream-Cheese.) No. 4,922; Aug. 6; v. 253; p. 257.
Kamenstein, Myer, Brooklyn, N. Y. "Bread and Cake." (For Japanned Bread and Cake Boxes.) No. 4,943; Sept. 17; v. 254; p. 654.
Kamenstein, Myer, Brooklyn, N. Y. "Breads." (For Japanned Bread and Cake Boxes.) No. 4,978; Nov. 5; v. 256; p. 222.
Kamenstein, Myer, Brooklyn, N. Y. "Cake Closet." (For Japanned Bread and Cake Boxes.) No. 4,979; Nov. 5; v. 256; p. 222.
Kaufmann & Strauss Company, New York, N. Y. "Try One of Our Cigars—The Best Smoke." (For Cigars.) No. 4,918; July 30; v. 252; p. 1141.

Alphabetical list of registrants of prints—Continued.

Kaufmann & Strauss Company, New York, N. Y. "Our Cigars Always in the Lead 'The Leader.'" (For Cigars.) No. 4,925; Aug. 13; v. 253; p. 512.
Kaufmann & Strauss Company, New York, N. Y. "Our Cigars Are The Best 'Soldier and Sailor.'" (For Cigars.) No. 4,944; Sept. 17; v. 254; p. 654.
Kaufmann & Strauss Company, New York, N. Y. "Drink Goldenberry Full Value Coffee." (For Coffee.) No. 4,949; Oct. 8; v. 255; p. 366.
Kaufmann & Strauss Company, New York, N. Y. "The Leader." (For Cigars.) No. 5,011; Nov. 26; v. 256; p. 820.
Kramer, Louis W., Denver, Colo. "The Pipe Smokers Delight." (For Compound for Use by Smokers.) No. 4,890; May 21; v. 250; p. 765.
Landis, Abb, Nashville, Tenn. "Men Arrayed in Battle Array—Trench, A War Game." (For a War Game.) No. 5,017; Dec. 24; v. 257; p. 816.
Liberty Paper Company, New York, N. Y. "The Tie That Binds." (For Tape.) No. 4,973; Oct. 22; v. 255; p. 828.
Magnolia Provision Company, Houston, Tex. "Pindapan Peanut Shortening." (For Shortening for Use in Cooking.) No. 4,897; May 28; v. 250; p. 997.
May, Chas. F., Lakeport, Cal. "Playing Multo-Devo As Partners." (For Card Game.) No. 4,895; May 28; v. 250; p. 997.
Moxie Co., The, Boston, Mass. "Lillian MacKenzie." (For Moxie.) No. 5,020; Dec. 24; v. 257; p. 816.
Moxie Co., The, Boston, Mass. "Eileen Percy." (For Moxie.) No. 5,021; Dec. 24; v. 257; p. 816.
Moxie Co., The, Boston, Mass. "Muriel Ostriche." (For Moxie.) No. 5,022; Dec. 24; v. 257; p. 816.
Moxie Co., The, Boston, Mass. "Francis Pritchard." (For Moxie.) No. 5,023; Dec. 24; v. 257; p. 816.
Moxie Co., The, Boston, Mass. "Laura Walker." (For Moxie.) No. 5,024; Dec. 24; v. 257; p. 816.
National Carbon Company, Inc., Cleveland, Ohio. "Gasoline Today." (For Gasolene and Electric Batteries.) No. 4,923; Aug. 6; v. 253; p. 257.
Ogden-Utah Knitting Co. Inc., Ogden, Utah. "Uta made." (For Knitwear.) No. 4,951; Oct. 8; v. 255; p. 366.
Ostenreider Advertising Corporation, Chicago, Ill. "Liberty Axles." (For Axles.) No. 4,926; Aug. 13; v. 253; p. 512.
Osterbauer, Edwin J., Rockford, Ill. "Endless Service." (For a Kitchen Implement.) No. 4,980; Nov. 5; v. v. 256; p. 222.
Otto Eisenlohr and Bros., Inc., Philadelphia, Pa. "'Ed' says he saves a nickel every time he smokes a Cinco Cigar." (For Cinco Cigars.) No. 4,850; Jan. 22; v. 246; p. 1030.
Peoria Tent & Awning Co., Peoria, Ill. "Slickerine." (For Canvas Covers.) No. 4,883; Apr. 23; v. 249; p. 984.
Peoria Tent & Awning Co., Peoria, Ill. "Now—Let It Rain." (For Canvas Shoes.) No. 4,884; Apr. 23; v. 249; p. 984.
Picture Play Book Company, Los Angeles, Cal. "If you Kodak." (For Books.) No. 4,945; Sept. 17; v. 254; p. 654.
Priess, Louis A., Minneapolis, Minn. "Tonola 'It Talks for Itself.'" (For Talking-Machines and Phonographs.) No. 4,876; Apr. 2; v. 249; p. 234.
Public Ledger Company, Philadelphia, Pa. "A Daily cartoon by Sykes." (For The Evening Ledger.) No. 4,853; Jan. 22; v. 246; p. 1030.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. plays the smoke game with all the cards on the table." (For Smoking-Tobacco.) No. 4,855; Jan. 29; v. 246; p. 1202.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Smoking P. A. is like shifting into high." (For Smoking-Tobacco.) No. 4,856; Jan. 29; v. 246; p. 1202.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "This 'pound-of-P. A.' in glad togs adds weeks to Christmas joys!" (For Smoking-Tobacco.) No. 4,858; Feb. 5; v. 247; p. 221.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert the national joy smoke." (For Smoking-Tobacco.) No. 4,861; Feb. 12; v. 247; p. 478.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert the national joy smoke. Such a satisfying gift for a man who smokes!" (For Smoking-Tobacco.) No. 4,877; Apr. 2; v. 249; p. 234.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Here's where you put the pleasure punch into jimmy pipe smokes!" (For Smoking-Tobacco.) No. 4,886; Apr. 23; v. 249; p. 984.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert the national joy smoke." (For Smoking-Tobacco.) No. 4,887; Apr. 23; v. 249; p. 984.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Packing in P. A. Smokejoy Every Little Old Now-and-Again!" (For Smoking-Tobacco.) No. 4,908; June 18; v. 251; p. 674.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "You're smoke-set for keeps when you pick P. A. for your pet-pal!" (For Smoking-Tobacco.) No. 4,909; June 18; v. 251; p. 674.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. is such a peach of a pal!" (For Smoking-Tobacco.) No. 4,910; June 18; v. 251; p. 674.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. puts such smiles in smokes!" (For Smoking-Tobacco.) No. 4,935; Sept. 10; v. 254; p. 449.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Ring-in on P. A. if your smoke-appetite is howling-hungry for quality tobacco!" (For Smoking-Tobacco.) No. 4,936; Sept. 10; v. 254; p. 449.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert the national joy smoke Crack open these snappy fall mornings with smokes and smiles." (For Smoking-Tobacco.) No. 4,981; Nov. 5; v. 256; p. 222.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Pull the monkey wrench out of your smokegears." (For Smoking-Tobacco.) No. 4,982; Nov. 5; v. 256; p. 222.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. puts such smiles in smokes!" (For Smoking-Tobacco.) No. 4,983; Nov. 5; v. 256; p. 222.
R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "What's the answer when you get so much fun out of smoking." (For Smoking-Tobacco.) No. 4,984; Nov. 5; v. 256; p. 222.
R. L. Watkins Co., The, Cleveland, Ohio. "Group of Children's Photographs." (For Cocoanut-Oil.) No. 4,898; May 28; v. 250; p. 997.
R. L. Watkins Co., The, Cleveland, Ohio. "Woman Drying Hair With Fan." (For Cocoanut-Oil.) No. 4,899; May 28; v. 250; p. 997.
R. M. Wade & Co., Portland, Oreg. "The Mighty WADE Outsaws 10 Men!" (For Power Drag-Saws.) No. 4,954; Oct. 8; v. 255; p. 366.
Reuter, Clifford S., New York, N. Y. "Oriola." (For Phonographs and Talking-Machines.) No. 4,885; Apr. 23; v. 249; p. 984.
Reznor Manufacturing Company, Mercer, Pa. "Reznor Gas Heaters." (For Gas-Heaters.) No. 4,864; Feb. 26; v. 247; p. 963.
Robertson Paper Company, Bellows Falls, Vt. "Liberty Bread." (For Bread.) No. 4,891; May 21; v. 250; p. 765.
Ross Manufacturing Company, Kansas City, Mo. "Plumbers' Auto Repair Kit." (For Kits Containing Plumbers' Supplies.) No. 4,914; July 2; v. 252; p. 243.
Roth, Adolph F., Newark, N. J. "Four Leaf Clover Ventilator." (For Ventilators.) No. 4,952; Oct. 8; v. 255; p. 366.
Rubber & Celluloid Products Company, Newark, N. J. "Rubberset Shaving Brushes." (For Shaving-Brushes.) No. 4,845; Jan. 15; v. 246; p. 822.
S. Davidson & Bros., Inc., Des Moines, Iowa. "Let Davidsons Furnish Your Home." (For Furniture and House-Furnishings.) No. 4,881; Apr. 23; v. 249; p. 984.
S. Sternau & Company, Inc., New York and Brooklyn, N. Y. "Sterno Canned Heat For Instant Cooking." (For Sterno Canned Heat.) No. 4,866; Mar. 12; v. 248; p. 499.
S. Sternau & Co., Inc., Brooklyn, N. Y. "Sterno Disinfectant and Antiseptic." (For Disinfectant and Antiseptic Solutions.) No. 4,937; Sept. 10; v. 254; p. 449.
S. Sternau & Co., Inc., Brooklyn, N. Y. "Sterno All-Round Cooking Stove." (For Alcohol Cooking Outfit.) No. 4,938; Sept. 10; v. 254; p. 449.
Schoble & Co., Frank, Philadelphia, Pa. "Suede Felt." (For Men's Felt Hats.) No. 4,865; Mar. 12; v. 248; p. 499.
Schulze, Paul, Chicago, Ill. "Victory Bread." (For Bread.) No. 4,846; Jan. 15; v. 246; p. 822.
Shun, Leong, Chicago, Ill. "Chinese Thin Sauce." (For Chinese Thin Sauce.) No. 4,987; Nov. 5; v. 256; p. 222.
Shun, Leong, Chicago, Ill. "Chinese Thick Sauce." (For Chinese Thick Sauce.) No. 4,988; Nov. 5; v. 256; p. 222.
Storz Beverage & Ice Co., Omaha, Nebr. "Dutch Girl." (For a Beverage.) No. 4,946; Sept. 17; v. 254; p. 654.
Sunbeam Chemical Co., Chicago, Ill. "Bright Hair Ribbons for Your Little Daughter." (For Dye-Soap.) No. 5,018; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "Have Your Stockings Match Your Shoe Tops." (For Dye-Soap.) No. 5,025; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "Sox and Shirts that Come Back." (For Dye-Soap.) No. 5,026; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "Save Your Sweater." (For Dye-Soap.) No. 5,027; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "Keep Your Lingerie looking New." (For Dye-Soap.) No. 5,028; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "Time Teaches the Value of Appearances." (For Dye-Soap.) No. 5,029; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "Child's Play." (For Dye-Soap.) No. 5,030; Dec. 24; v. 257; p. 816.

Alphabetical list of registrants of prints—Continued.

Sunbeam Chemical Co., Chicago, Ill. "Keep Baby's 'Trousseau' Beautiful." (For Dye-Soap.) No. 5,031; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "A Blouse With Nine Lives." (For Dye-Soap.) No. 5,032; Dec. 24; v. 257; p. 816.
Sunbeam Chemical Co., Chicago, Ill. "'Wonderful—Yes!' Stylish Colors Instantly." (For Dye-Soap.) No. 5,033; Dec. 24; v. 257; p. 816.
Surety Manufacturing Company, St. Louis, Mo. "Moon Heel and Toe Plates." (For Heel and Toe Plates.) No. 4,985; Nov. 5; v. 256; p. 222.
Twentieth Century Company, The, Chicago, Ill. "Prepare For A Rainy Day." (For Bank-Signs.) No. 4,854; Jan. 22; v. 246; p. 1030.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "W. L. Douglas was frequently required to haul leather and other materials in a wheelbarrow." (For Shoes.) No. 4,903; June 18; v. 251; p. 674.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "Depositing all of his first month's earnings in the bank." (For Shoes.) No. 4,916; July 30; v. 252; p. 1141.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "In 1866 'The Boy Who Pegged Shoes Decides To Go West." (For Shoes). No. 4,920; Aug. 6; v. 253; p. 257.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "W. L. Douglas learned how to design, draft and fit shoes." (For Shoes.) No. 4,921; Aug. 6; v. 253; p. 257.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "At the start of his business venture." (For Shoes.) No. 4,957; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "While working at his trade as journeyman shoemaker." (For Shoes.) No. 4,958; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "The Present W. L. Douglas Factory at Brockton, Mass." (For Shoes.) No. 4,959; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "The Boy Who Pegged Shoes Started in Manufacturing." (For Shoes.) No. 4,960; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "W. L. Douglas was obliged to gather fuel to keep the fire going." (For Shoes.) No. 4,961; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "The operator stamps W. L. Douglas name and the retail price on the bottom of all shoes." (For Shoes.) No. 4,962; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "W. L. Douglas was permitted to attend school." (For Shoes.) No. 4,963; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "Keeping the house supplied with water." (For Shoes.) No. 4,964; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "Working early mornings." (For Shoes.) No. 4,965; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "Driving them to pasture." (For Shoes.) No. 4,966; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "Plowing." (For Shoes.) No. 4 967; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "His idea of play was to work at something." (For Shoes.) No. 4,968; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "W. L. Douglas pegging shoes at seven years of age." (For Shoes.) No. 4,969; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y.; Denver, Colo., &c. "W. L. Douglas beating out sole leather." (For Shoes.) No. 4,970; Oct. 22; v. 255; p. 828.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y., &c. "So, Boss." (For Shoes.) No. 4,975; Nov. 5; v. 256; p. 222.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y. "W. L. Douglas Was Permitted To Attend School For Short Periods." (For Shoes.) No. 4,976; Nov. 5; v. 256; p. 222.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York, N. Y. "A Laborious Process." (For Shoes.) No. 4,977; Nov. 5; v. 256; p. 222.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "Fishing." (For Shoes.) No. 5,006; Nov. 26; v. 256; p. 820.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "A Nearby Well." (For Shoes.) No. 5,007; Nov. 26; v. 256; p. 820.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "Trudging Along The Dusty Road." (For Shoes.) No. 5,008; Nov. 26; v. 256; p. 820.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "Once When He Was Told To Play Awhile He Dug A Hole In the Ground." (For Shoes.) No. 5,009; Nov. 26; v. 256; p. 820.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "W. L. Douglas Acquired the Habit of Saving Early in Life." (For Shoes.) No. 5,035; Dec. 31; v. 257; p. 1079.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "W. L. Douglas Went to South Braintree, Mass., to Learn the Trade of Bootmaking." (For Shoes.) No. 5,036; Dec. 31; v. 257; p. 1079.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "When W. L. Douglas Was Eleven Years of Age." (For Shoes.) No. 5,037; Dec. 31; v. 257; p. 1079.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "In 1866 W. L. Douglas Went West." (For Shoes.) No. 5,038; Dec. 31; v. 257; p. 1079.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "Returning to His Factory." (For Shoes.) No. 5,039; Dec. 31; v. 257; p. 1079.
W. L. Douglas Shoe Co., Brockton and Boston, Mass.; Portland, Me.; New York and Buffalo, N. Y.; Denver, Colo., and Philadelphia, Pa. "Capacity 19,600 Pairs per Day." (For Shoes.) No. 5,040; Dec. 31; v. 257; p. 1079.
Wertheimer Brothers, New York, N. Y. "Little Bow Peep." (For Ribbons, Particularly Hair-Bows.) No. 4,888; Apr. 23; v. 249; p. 984.
Williams Patent Crusher & Pulverizer Co., St. Louis, Mo. "Latest Metal and Gravel Katcher, the Greatest and Only Fire Preventor." (For Gravel-Catchers.) No. 4,915; July 9; v. 252; p. 502.
Williams Patent Crusher & Pulverizer Co., St. Louis, Mo. "The Infallible Metal and Gravel Katcher." (For Gravel-Catchers Connected with Grinders and Pulverizers.) No. 5,013; Nov. 26; v. 256; p. 820.
Wolf Advertising Co., New York, N. Y. "Ice Cream." (For Ice-Cream.) No. 4,947; Sept. 17; v. 254; p. 654.

DISCLAIMERS.

Bechtel, August L., Cleveland, Ohio; disclaimer filed by assignee, The Cleveland Punch & Shear Works Co. Tool-operating machine. No. 1,203,171; disclaimer filed Apr. 24, 1918; v. 249; p. 1226.
Berman, Abraham, Atlanta, Ga.; disclaimer filed by assignee, The Gilchrist Company. Straw-dispenser. No. 962,300; disclaimer filed Nov. 4, 1918; v. 255; p. 834.
Deiller, Martin and E. M., Newark, N. J., disclaimer filed by assignee, Universal Tobacco Machine Company. Tobacco stripping and booking machine. No. 985,984; disclaimer filed Apr. 24, 1918; v. 249; p. 1226.
Granger, Edward J., Chicago, Ill.; disclaimer filed by patentee. Folding and plaiting machine. No. 1,260,766; disclaimer filed June 24, 1918; v. 251; p. 466.
London, Jacob, Tunnelton, Pa.; disclaimer filed by assignee, The Jeffrey Manufacturing Company. No. 1,205,097; disclaimer filed June 3, 1918; v. 250; p. 517.
Hartung, William R., Connell, Wash.; disclaimer filed by patentee. Preventing carbon deposit in engine-cylinders. No. 1,277,578; disclaimer filed Dec. 17, 1918; v. 257; p. 413.

Disclaimers—Continued.

Land, Edmund, Grand Rapids, Mich.; disclaimer filed by assignee, Kellogg Switchboard and Supply Company. Telephone system. No. 1,189,836; disclaimer filed Apr. 19, 1918; v. 249; p. 988.

Pierce, Frank M., Chicago, Ill.; disclaimer filed by assignee, Pierce Wrapping Machine Co. Shuttle folding and guiding device. No. 1,196,022; disclaimer filed Sept. 30, 1918; v. 254; p. 659.

Roosevelt, André, New York, N. Y.; disclaimer filed by assignee, Glass Founders Corporation. Non-scatterable glass and making it. No. 1,210,987; disclaimer filed Dec. 19, 1918; v. 257; p. 413.

Schmidt, Henry D., Astoria, N. Y.; disclaimer filed by assignee, The Bias Narrow Fabric Co. Gumming apparatus for ribbon-cutting machines. No. 1,266,058; disclaimer filed Oct. 23, 1918; v. 255; p. 834.

Stevens, William C., Akron, Ohio; disclaimer filed by assignee, Pierce Wrapping Machine Co. Wrapping-machine folder. No. 1,243,357; disclaimer filed Sept. 30, 1918; v. 254; p. 659.

Stevens, William C., Akron, Ohio; disclaimer filed by assignee, Pierce Wrapping Machine Co. Folder device for wrapping-machines. No. 1,244,255; disclaimer filed Sept. 30, 1918; v. 254; p. 659.

Sundstrand, Gustaf D., Rockford, Ill.; disclaimer filed by assignee, Rockford Milling Machine Company. (Reissue.) No. 14,237; disclaimer filed Dec. 26, 1916; v. 250; p. 517.

Taylor, Henry D., Rochester, N. Y.; disclaimer filed by assignee, The Bircher Company, Inc. Envelop-opening machine. No. 1,150,905; disclaimer filed May 29, 1918; v. 250; p. 517.

Valerius, Theodore L., Fort Atkinson, Wis.; disclaimer filed by assignee, The Creamery Package Manufacturing Company. Pasteurizer and ripener. No. 1,232,128; disclaimer filed July 5; v. 252; p. 249.

White, Harold E., Schenectady, N. Y.; disclaimer filed by assignee, General Electric Company. Control of electrically-operated switches. No. 969,738; disclaimer filed May 17, 1918; v. 250; p. 259.

Willard, Arthur G., Los Angeles, and C. E. Wilcox, Bakersfield, Cal.; disclaimer filed by Arthur G. Willard, patentee, and W. W. Wilson, assignee of said Wilcox. Well-boring apparatus. No. 1,064,270; disclaimer filed Jan. 7, 1919; v. 257; p. 823.

ALPHABETICAL LIST OF INVENTIONS.

Abdominal band and hose-supporter. A. M. Jones and Z. Glimm. No. 1,262,804; Apr. 16; v. 249; p. 570.
Abdominal bandage. E. A. Knieriem. No. 1,257,944; Feb. 26; v. 247; p. 939.
Abdominal support. D. B. Holcomb. No. 1,259,513; Mar. 19; v. 248; p. 521.
Abdominal support. C. Munter. No. 1,271,746; July 9; v. 252; p. 312.
Abdominal support, Pneumatic. R. S. Carling. No. No. 1,272,329; July 9; v. 252; p. 476.
Abdominal supporter. D. C. Pratt. No. 1,276,410; Aug. 20; v. 253; p. 635.
Abrading-disks, Manufacturing. J. A. Hickey. No. 1,268,842; June 11; v. 251; p. 238.
Abrading-machine. E. Nall. No. 1,285,784; Nov. 26; v. 256; p. 708.
Abrading or cutting tools, Guard for. S. W. Scofield and M. W. Muehlauser. No. 1,259,050; Mar. 12; v. 248; p. 359.
Abrasive. F. M. Becket. No. 1,279,828; Sept. 24; v. 254; p. 759.
Abrasive, Aluminous. T. B. Allen. No. 1,268,533; June 4; v. 251; p. 132.
Abrasive, Aluminous. L. E. Saunders and R. H. White. No. 1,263,607; Apr. 23; v. 249; p. 815.
Abrasive machine. G. T. Johnson. No. 1,288,908; Dec. 24; v. 257; p. 762.
Abrasive-material holder. S. Klein. No. 1,255,888; Feb. 12; v. 247; p. 264.
Abrasive tool. L. Ramson. No. 1,273,184; July 23; v. 252; p. 767.
Abrasives, Making aluminous. T. B. Allen. No. 1,268,532; June 4; v. 251; p. 132.
Abrasives, Preparing aluminous. L. E. Saunders and R. H. White. No. 1,269,222; June 11; v. 251; p. 344.
Absorbent material and producing the same. J. B. Garner. No. 1,262,770; Apr. 16; v. 249; p. 560.
Accelerator. J. E. Thompson and C. W. Jameson. No. 1,256,950; Feb. 19; v. 247; p. 615.
Accelerator attachment. L. M., P. J., and C. L. Williams. No. 1,284,523; Nov. 12; v. 256; p. 312.
Accelerator-operating means. I. Schwartz. No. 1,281,854; Oct. 15; v. 255; p. 534.
Accelerator safety-guard. J. E. Marriner. No. 1,265,801; May 14; v. 250; p. 284.
Accelerators, Controlling device for. F. D. Zell, Jr. No. 1,274,491; Aug. 6; v. 253; p. 43.
Accelerometer. E. H. McHenry. No. 1,280,508; Oct. 1; v. 255; p. 109.
Account, Mechanism for mechanically transferring items of. J. R. Peirce. No. 1,253,417; Jan. 15; v. 246; p. 640.
Account system. C. K. Rainey. No. 1,271,080; July 2; v. 252; p. 92.
Account-tray. W. H. Hanna. No. 1,272,699; July 16; v. 252; p. 607.
Accounts, Means for checking. W. H. Schaeter. No. 1,255,796; Feb. 5; v. 247; p. 197.
Accounting and account-adjusting device. B. R. Stare, F. H. Welling, and W. Conover. No. 1,286,137; Nov. 26; v. 256; p. 794.
Accounting-machines, Transfer mechanism for. F. L. Fuller. No. 1,253,367; Jan. 15; v. 246; p. 624.
Accounting means. D. M. Tuttle. No. 1,265,008; May 7; v. 250; p. 38.
Accounting means. W. L. Webster. No. 1,254,870; Jan. 29; v. 246; p. 1108.
Accumulators from a variable-speed dynamo-electric machine, Charging of. J. G. P. Thomas. No. 1,272,148; July 9; v. 252; p. 426.
Acetic anhydrid, Making. H. Dreyfus. No. 1,283,115; Oct. 29; v. 255; p. 946.
Acetyl cellulose and making the same. W. G. Lindsay. No. 1,265,216; May 7; v. 250; p. 95.
Acetyl cellulose and process, Compound of. W. G. Lindsay. No. 1,265,217; May 7; v. 250; p. 95.
Acetylene-generator. R. D. Braden. No. 1,270,258; June 25; v. 251; p. 682.
Acetylene-generator. O. Z. Frazier. No. 1,282,800; Oct. 29; v. 255; p. 859.
Acetylene-generator. W. H. Hillenbrand. No. 1,283,767; Nov. 5; v. 256; p. 86.
Acetylene-generator. I. U. Marlin. No. 1,257,088; Feb. 19; v. 247; p. 654.
Acetylene-generator. J. S. Noel. No. 1,282,919; Oct. 29; v. 255; p. 892.
Acetylene-generator. F. Norman. No. 1,274,753; Aug. 6; v. 253; p. 118.
Acetylene-generator. W. H. Rowe. No. 1,285,799; Nov. 26; v. 256; p. 713.
Acetylene-generator, Reserve-feed. A. S. Phelps and J. H. Birch. No. 1,257,635; Feb. 26; v. 247; p. 850.
Acetylene-generators, Carbid-feed for. J. O. Bewan. No. 1,271,420; July 2; v. 252; p. 186.
Acetylene-generators, Clean-out for. T. Olinger and W. C. Fearell. No. 1,252,938; Jan. 8; v. 246; p. 465.
Acetylene-generators, Safety appliance for. J. Harris. No. 1,255,308; Feb. 5; v. 247; p. 55.
Acid-concentrating apparatus. J. Patten. No. 1,286,080; Nov. 26; v. 256; p. 781.
Acid-concentrating apparatus. J. Patten. No. 1,286,188; Nov. 26; v. 256; p. 808.
Acid, Concentrating nitric. B. Thomas. No. 1,283,598; Nov. 5; v. 256; p. 42.
Acid, Concentration and purification of sludge. W. A. Slater. No. 1,263,950; Apr. 23; v. 249; p. 909.
Acid, Contact process and apparatus for producing sulfuric. H. V. Welch. No. 1,284,167; Nov. 5; v. 256; p. 192.
Acid, Denitration of sulfuric. I. Hechenbleikner. No. 1,264,512; Apr. 30; v. 249; p. 1098.
Acid, Direct preparation of crystallized phosphoric. J. N. Carothers and W. H. Ross. No. 1,283,398; Oct. 29; v. 255; p. 1021.
Acid from acetic aldehyde, Manufacture of acetic. H. Dreyfus. No. 1,286,256; Dec. 3; v. 257; p. 18.
Acid, Making phosphoric. W. H. Allen. No. 1,285,575; Nov. 26; v. 256; p. 655.
Acid, Manufacture of acetic. H. Dreyfus. No. 1,286,255; Dec. 3; v. 257; p. 18.
Acid, Manufacture of aromatic stibinic. C. Philipp and H. Schmidt. No. 1,260,707; Mar. 26; v. 248; p. 901.
Acid manufacture, Sulfuric-. L. Bradley. No. 1,284,175; Nov. 5; v. 256; p. 194.
Acid manufacture, Sulfuric-. L. Bradley. No. 1,284,176; Nov. 5; v. 256; p. 194.
Acid pickle liquors, Utilization of sulfuric-. P. Fireman. No. 1,287,939; Dec. 17; v. 257; p. 500.
Acid, Process and apparatus for producing sulfuric. H. V. Welch. No. 1,284,166; Nov. 5; v. 256; p. 192.
Acid, Production of hydrofluoric. E. S. Fickes. No. 1,288,400; Dec. 17; v. 257; p. 611.
Acid-resisting cement. A. E. Holley and H. W. Webb. No. 1,287,995; Dec. 17; v. 257; p. 514.
Acid-resisting cement. A. E. Holley and H. W. Webb. No. 1,288,413; Dec. 17; v. 257; p. 614.
Acids and hydrophilous neutral products from wool-fat and other similar substances, Producing high-melting fatty. I. Lifschütz. No. 1,284,723; Nov. 12; v. 256; p. 361.
Acids, Manufacture of organic. H. Tobler. No. 1,288,293; Dec. 17; v. 257; p. 586.
Acids, Manufacture of sulfuric and hydrochloric. H. V. Welch. No. 1,285,856; Nov. 26; v. 256; p. 727.
Acids or the like, Apparatus for elevating or lifting. T. Bradbear. No. 1,261,351; Apr. 2; v. 249; p. 102.
Acoustic device. M. C. Hopkins. No. 1,271,529; July 2; v. 252; p. 216.
Acoustic instruments, Diaphragm for. T. H. Reed. No. 1,231,419; Oct. 15; v. 255; p. 419.
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Actinometer. J. G. Capstaff. No. 1,262,444; Apr. 9; v. 249; p. 439.
Activating sludge, Device for. L. E. Rein and J. W. Cox. No. 1,286,775; Dec. 3; v. 257; p. 140.
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Actuator, Motor-driven. H. E. Warren. No. 1,262,575; Apr. 9; v. 249; p. 476.
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Adding and listing machine, Combined. W. F. McCaleb. No. 1,257,620; Feb. 26; v. 247; p. 845.
Adding and recording machine. B. Dysart. No. 1,278,612; Sept. 10; v. 254; p. 371.
Adding and subtracting machine. J. F. Anderson. No. 1,288,793; Dec. 24; v. 257; p. 735.
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Adding and type-writing machines, Tabulating mechanism for combined. O. Thieme and F. O. Mueller. No. 1,259,930; Mar. 19; v. 248; p. 642.
Adding-machine. J. Bricken. No. 1,277,692; Sept. 3; v. 254; p. 100.
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Adding-machine. A. A. Horton. No. 1,282,425; Oct. 22; v. 255; p. 729.
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Adhesive composition and making same. W. Alexander. No. 1,263,635; Apr. 23; v. 249; p. 823.
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Adhesive joint. C. C. Blake. No. 1,284,862; Nov. 12; v. 256; p. 397.
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Adjustable clamp. C. E. Rice. No. 1,258,707; Mar. 12; v. 248; p. 260.
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Aeroplane. A. M. van Bezooyen. No. 1,285,479; Nov. 19; v. 256; p. 592.
Aeroplane. W. J. Veitch. No. 1,258,279; Mar. 5; v. 248; p. 96.
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Aeroplane-controlling device. J. C. Foley. No. 1,264,498; Apr. 30; v. 249; p. 1094.
Aeroplane-fitting. P. G. Zimmerman. No. 1,290,004; Dec. 31; v. 257; p. 1056.
Aeroplane, hydroplane, and the like. G. M. Robbins. No. 1,269,645; June 18; v. 251; p. 491.
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Aeroplane-level indicator. D. C. Owen. No. 1,277,748; Sept. 3; v. 254; p. 116.
Aeroplane, Parachute-equipped. W. A. Uttz. No. 1,254,947; Jan. 29; v. 246; p. 1129.
Aeroplane-plane. E. Washington. No. 1,288,318; Dec. 17; v. 257; p. 591.
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Aeroplane safety appliance. G. Krogel. No. 1,251,896; Jan. 1; v. 246; p. 135.
Aeroplane safety device. W. R. Evans. No. 1,277,892; Sept. 3; v. 254; p. 155.
Aeroplane, Self-launching. N. H. Frost. No. 1,254,898; Jan. 29; v. 246; p. 1116.
Aeroplane-speed accelerator. A. Wolff, Jr. No. 1,289,343; Dec. 31; v. 257; p. 894.
Aeroplane-stabilizer. W. S. Eaton. No. 1,280,195; Oct. 1; v. 255; p. 23.
Aeroplane structural elements, Forming. W. A. Gibbons. No. 1,269,420; June 11; v. 251; p. 397.
Aeroplane-wing construction. W. S. Burgess. No. 1,285,021; Nov. 19; v. 256; p. 477.
Aeroplane-wings, Assembly-form for. J. P. Tarbox. No. 1,271,386; July 2; v. 252; p. 177.
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Airship. J. D. Salts. No. 1,276,120; Aug. 20; v. 253; p. 553.
Airship. A. Starosta. No. 1,278,247; Sept. 10; v. 254; p. 275.
Airship. K. H. Weidhase. No. 1,261,663; Apr. 2; v. 249; p. 190.
Airship-destroyer. J. M. Saladiner. No. 1,284,149; Nov. 5; v. 256; p. 188.
Airship drive mechanism. J. A. Stewart. No. 1,288,258; Dec. 17; v. 257; p. 578.
Airship landing-gear. F. H. Leinweber. No. 1,288,937; Dec. 24; v. 257; p. 769.
Airship lifting and balancing means. T. M. Finley. No. 1,287,938; Dec. 17; v. 257; p. 500.
Airship, Motor-driven. E. Forlanini. No. 1,254,399; Jan. 22; v. 246; p. 939.
Airship-propeller. A. Jacobson. No. 1,274,886; Aug. 6; v. 253; p. 155.
Airship, Return-. J. E. Dwyer. No. 1,278,123; Sept. 10; v. 254; p. 241.
Airships, Flight retarder or brake for. J. C. Hasbrouck, Jr. No. 1,274,037; July 30; v. 252; p. 1036.
Airships, Plane for. T. M. Finley. No. 1,265,639; May 7; v. 250; p. 208.
Alarm: *See*—
Automatic alarm.
Automobile burglar-alarm.
Automobile thief-alarm.
Autovehicle speed-alarm.
Boiler-alarm.
Burglar-alarm.
Burglar and fire alarm.
Burglar or fire alarm.
Circuit-closing alarm.
Drip-pan alarm.
Electric alarm.
Explosion whistle-alarm.
Fire-alarm.
Fire and burglar alarm.
Gas-alarm.
Hot-box alarm.
Liquid-level alarm.
Low-water alarm.
Rain-alarm.
Rain-water alarm.
Signal-alarm.
Sprinkler-alarm.
Telephone fire-alarm.
Theft-alarm.
Tire-alarm.
Alarm. C. A. Braconier. No. 1,254,769; Jan. 29; v. 246; p. 1077.
Alarm device. A. Bull. No. 1,262,012; Apr. 9; v. 249; p. 318.
Alarm. J. M. Butcher. No. 1,287,871; Dec. 17; v. 257; p. 483.
Alarm. L. G. Hartdorn. No. 1,265,777; May 14; v. 250; p. 278.
Alarm apparatus. W. R. Hargis and H. W. Lindenmuth. No. 1,277,917; Sept. 3; v. 254; p. 161.
Alarm apparatus. D. P. Papapavlou. No. 1,283,282; Oct. 29; v. 255; p. 989.
Alarm device. A. Fernandez. No. 1,254,786; Jan. 29; v. 246; p. 1082.
Alarm device. N. P. Lewchuk. No. 1,261,411; Apr. 2; v. 249; p. 119.
Alarm-lock. J. E. Zmudzinski. No. 1,254,559; Jan. 22; v. 246; p. 985.
Alarm mechanism. D. F. Kilgour. No. 1,288,917; Dec. 24; v. 257; p. 764.
Alarm-signal. T. Bodde. No. 1,274,846; Aug. 6; v. 253; p. 144.
Alarm-signal. V. P. Fedoroff. No. 1,256,542; Feb. 19; v. 247; p. 494.
Miller. No. 1,258,227; Mar. 5; v. 248; p. 80.
Alarm-signal. A. N. Pierman. No. 1,276,807; Aug. 27; v. 253; p. 780.
Alarm-signal. P. J. Spies. No. 1,279,603; Sept. 24; v. 254; p. 694.
Alarm-signal. N. Stebbins. No. 1,253,741; Jan. 15; v. 246; p. 731.
Alarm system. C. F. Mead and L. E. Richmond. No. 1,260,930; Mar. 26; v. 248; p. 961.
Alarm system, Auxiliary. C. E. Beach. No. 1,253,335; Jan. 15; v. 246; p. 613.
Album. H. B. Tremaine. No. 1,278,259; Sept. 10; v. 254; p. 278.
Album, sample-book, or scrap-book. H. A. Hooker. No. 1,275,259; Aug. 13; v. 253; p. 283.
Alcohol and producing same, Solid. A. Strobl. No. 1,266,080; May 14; v. 250; p. 363.
Alcohol-burner. M. Piotrowski. No. 1,272,995; July 16; v. 252; p. 691.
Alcohol burner, Solid-. A. Strobl. No. 1,267,475; May 28; v. 250; p. 806.
Alcohol from burnt or roasted starch-bearing materials, &c., Producing. B. Kazmann. No. 1,267,081; May 21; v. 250; p. 671.
Alcohol from grain in open vats with the employment of saccharifying mucors, Manufacture of. H. Boulard. No. 1,266,657; May 21; v. 250; p. 553.
Alcohol from sulfite liquors, Obtaining. R. H. McKee. No. 1,273,392; July 23; v. 252; p. 822.
Alcohol-reduced beverages, Making. H. Heuser. No. 1,286,315; Dec. 3; v. 257; p. 32.
Alcohol, Solidified. A. Strobl. No. 1,277,149; Aug. 27; v. 253; p. 872.
Alcohols, Manufacturing. B. S. Lacy. No. 1,253,055; Jan. 8; v. 246; p. 503.
Alcoholic liquids, Aging. J. Von Glahn. No. 1,265,838; May 14; v. 250; p. 295.
Alimentary-paste drier. P. De Martini. No. 1,276,500; Aug. 20; v. 253; p. 659.
Alimentary pastes, Machine for shaping and cutting out. F. Lorioli. No. 1,252,822; Jan. 8; v. 246; p. 432.
Alined rods, Device for adjustably connecting. L. A. Ogden. No. 1,265,104; May 7; v. 250; p. 66.
Alkali-metal-bearing and aluminiferous minerals, Decomposition of refractory. W. H. Swenarton. No. 1,277,773; Sept. 3; v. 254; p. 124.
Alkali-metal cyanid and producing same. H. P. Eastman. No. 1,282,395; Oct. 22; v. 255; p. 721.
Alkali metals in alkali-metal-carrying rocks and products thereof, Replacing. H. W. Charlton. No. 1,256,295; Feb. 12; v. 247; p. 385.
Alkali metals or the like, Producing. W. L. Morrison. No. 1,265,360; May 7; v. 250; p. 134.
Alkali metals, Process and apparatus for producing. J. Brode. No. 1,258,529; Mar. 5; v. 248; p. 169.
Alkali perborates, Electrolytic process of making. O. Liebknecht. No. 1,268,369; June 4; v. 251; p. 85.
Alkali perborates, Making. O. Liebknecht. No. 1,253,060; Jan. 8; v. 246; p. 504.
Alkali perborates, Making. O. Liebknecht. No. 1,253,061; Jan. 8; v. 246; p. 505.
Alkali perborates, Making. O. Liebknecht. No. 1,281,983; Oct. 15; v. 255; p. 567.
Alkali, Process of and apparatus for electrolytic production of caustic. H. H. Dow. No. 1,284,618; Nov. 12; v. 256; p. 335.
Alkalis and alumina from silicates containing them, Obtaining. F. A. Rody. No. 1,263,705; Apr. 23; v. 249; p. 841.
Alkalis from silicate rock and other silicates, Obtaining. F. A. Rody. No. 1,260,944; Mar. 26; v. 248; p. 965.
Alkalis, Manufacture of. K. P. McElroy. No. 1,264,536; Apr. 30; v. 249; p. 1104.
Alloy. J. Churchward. No. 1,261,742; Apr. 2; v. 249; p. 211.
Alloy. J. Churchward. No. 1,261,743; Apr. 2; v. 249; p. 211.
Alloy. H. S. Cooper. No. 1,254,987; Jan. 29; v. 246; p. 1140.
Alloy. H. S. Cooper. No. 1,277,046; Aug. 27; v. 253; p. 842.
Alloy. H. S. Cooper. No. 1,278,304; Sept. 10; v. 254; p. 290.
Alloy. T. S. Fuller. No. 1,273,762; July 23; v. 252; p. 920.
Alloy. P. R. Kuehnrich. No. 1,273,877; July 30; v. 252; p. 990.
Alloy. C. Vickers. No. 1,264,459; Apr. 30; v. 249; p. 1083.
Alloy and making same. F. Milliken. No. 1,277,989; Sept. 3; v. 254; p. 180.
Alloy and making same, Aluminum. L. S. Gardner. No. 1,280,706; Oct. 8; v. 255; p. 190.
Alloy and making same, Soft-metal. W. L. Rice. No. 1,269,000; June 11; v. 251; p. 281.
Alloy and purifying same. P. Poetschke. No. 1,278,744; Sept. 10; v. 254; p. 407.
Alloy, Bearing. W. D. Berry. No. 1,286,921; Dec. 10; v. 257; p. 214.
Alloy for resistance elements, &c. W. B. Driver. No. 1,274,250; July 30; v. 252; p. 1096.
Alloy, High-speed cutting-tool. G. L. Kelley and A. H.

Alloy, Iron. H. K. Sandell. No. 1,279,448; Sept. 17; v. 254; p. 626.
Alloy, Metallic. F. S. Hodson. No. 1,276,916; Aug. 27; v. 253; p. 808.
Alloy, Noble-metal. G. H. Dufour. No. 1,282,055; Oct. 22; v. 255; p. 627.
Alloy of iron. O. B. McMillin. No. 1,252,596; Jan. 8; v. 246; p. 368.
Alloy of iron, titanium, and silicon, and production thereof, Article of manufacture, being an. N. G. Petinot. No. 1,260,037; Mar. 19; v. 248; p. 674.
Alloy, Precious-metal. W. E. Mowrey. No. 1,283,264; Oct. 29; v. 255; p. 984.
Alloy, Producing a hard copper. O. C. M. Knudsen. No. 1,267,669; May 28; v. 250; p. 861.
Alloy, Steel. J. W. Weitzenkorn. No. 1,287,153; Dec. 10; v. 257; p. 274.
Alloys containing strontium, Composition of copper. F. C. Frary and S. N. Temple. No. 1,258,886; Mar. 12; v. 248; p. 312.
Alloys, Making. H. L. Doherty. No. 1,252,887; Jan. 8; v. 246; p. 450.
Alloys of phosphorus, Making. L. A. Jeffs. No. 1,268,849; June 11; v. 251; p. 239.
Altimeter. C. L. Hoke. No. 1,279,868; Sept. 24; v. 254; p. 771.
Alum, Making. E. W. Haslup and B. A. Peacock. No. 1,279,109; Sept. 17; v. 254; p. 535.
Alums from clay or other similar natural compounds of alumina, Preparing. L. L. Jackson. No. 1,254,229; Jan. 22; v. 246; p. 890.
Alumina and making same, Purified crystalline. F. J. Tone. No. 1,276,134; Aug. 20; v. 253; p. 557.
Alumina, Producing. M. Barnett and L. Burgess. No. 1,252,384; Jan. 8; v. 246; p. 306.
Alumina, Producing crystalline. R. H. White. No. 1,269,141; June 11; v. 251; p. 320.
Alumina, Purification of. J. W. Hornsey. No. 1,255,749; Feb. 5; v. 247; p. 184.
Alumina, Treatment of insoluble. H. F. Chappell. No. 1,270,266; June 25; v. 251; p. 684.
Aluminium oxid from aluminium silicate or a substance containing aluminium silicate and obtaining sodium carbonate as a by-product, Manufacturing. Y. Takeshima. No. 1,277,503; Sept. 3; v. 254; p. 48.
Aluminium, Production of. G. Giulini. No. 1,257,995; Mar. 5; v. 248; p. 13.
Aluminous abrasive and making the same. L. E. Saunders and R. H. White. No. 1,263,709; Apr. 23; v. 249; p. 842.
Aluminous abrasive and making the same. L. E. Saunders and R. H. White. No. 1,263,710; Apr. 23; v. 249; p. 842.
Aluminous composition and preparing the same. O. Hutchins. No. 1,257,356; Feb. 26; v. 247; p. 767.
Aluminous compounds, Treatment of. H. Spence and W. B. Llewellyn. No. 1,256,605; Feb. 19; v. 247; p. 513.
Aluminous materials of high silica content, Treating. C. M. Hall. No. 1,282,222; Oct. 22; v. 255; p. 674.
Aluminous materials, Purifying. L. E. Saunders. No. 1,269,223; June 11; v. 251; p. 344.
Aluminous materials, Purifying. L. E. Saunders. No. 1,269,224; June 11; v. 251; p. 344.
Aluminum-alloy articles, Making. A. Wilm. No. 1,261,987; Apr. 9; v. 249; p. 312.
Aluminum chlorid, Making. G. H. King and G. I. Roberts. No. 1,268,015; May 28; v. 250; p. 959.
Aluminum chlorid, Making. D. F. Smith and H. Essex. No. 1,270,226; June 18; v. 251; p. 647.
Aluminum, Metal-plating. W. J. Travers. No. 1,256,954; Feb. 19; v. 247; p. 616.
Aluminum nitrid, Producing. M. Barnett and L. Burgess. No. 1,252,649; Jan. 8; v. 246; p. 384.
Aluminum nitrids, Producing. M. Shoeld. No. 1,274,797; Aug. 6; v. 253; p. 129.
Aluminum-sheet-metal shapes, Making. K. Barthelmes. No. 1,258,854; Mar. 12; v. 248; p. 303.
Aluminum skimmings and analogous materials, Utilizing. J. W. Lawrie. No. 1,262,062; Apr. 9; v. 249; p. 331.
Aluminum skimmings, screenings, &c., Treating. J. W. Lawrie. No. 1,262,063; Apr. 9; v. 249; p. 331.
Aluminum-solder. D. M. Campbell. No. 1,273,146; July 23; v. 252; p. 757.
Aluminum sulfate, Producing. M. Barnett and L. Burgess. No. 1,252,648; Jan. 8; v. 246; p. 384.
Alunite from associated rock and gangue, Separation of. C. F. Hagedorn. No. 1,253,590; Jan. 15; v. 246; p. 688.
Alunite from associated rock or gangue, Separation of. C. F. Hagedorn. No. 1,253,591; Jan. 15; v. 246; p. 688.
Alunite in technically useful forms, Recovering the constituents of. H. J. Detwiller. No. 1,274,145; July 30; v. 252; p. 1066.
Alunite, Utilization of. R. Moldenke. No. 1,282,273; Oct. 22; v. 255; p. 688.
Alunogen, halotrichite, or the like, Treating. M. Barnett and L. Burgess. No. 1,280,636; Oct. 8; v. 255; p. 170.
Amalgamating apparatus. F. S. Skiff. No. 1,268,399; June 4; v. 251; p. 94.
Amalgamating device. P. Kuehn. No. 1,262,812; Apr. 16; v. 249; p. 572.
Amalgamator. B. Q. P. Foss. No. 1,270,399; June 25; v. 251; p. 721.
Amalgamator. J. Hutchings. No. 1,276,656; Aug. 30; v. 253; p. 703.
Amalgamator. J. I. Lefors. No. 1,260,781; Mar. 26; v. 248; p. 922.
Amalgamator, Mercury. L. M. Kellogg. No. 1,278,163; Sept. 10; v. 254; p. 251.
Ambulance. E. L. N. Miller. No. 1,263,918; Apr. 23; v. 249; p. 900.
Ambulance. W. A. Morgan. No. 1,289,869; Dec. 31; v. 257; p. 1023.
Ambulance. H. Pezzetti. No. 1,275,733; Aug. 13; v. 253; p. 415.
Ambulance. P. N. Shine. No. 1,284,936; Nov. 12; v. 256; p. 416.
Ambulance-stretcher. E. Chassaing. No. 1,277,856; Sept. 3; v. 254; p. 145.
Ambulance-stretcher vehicle. T. Crawford. No. 1,270,383; June 25; v. 251; p. 717.
Amino compounds by fermentation, Preparation of. G. Eberle. No. 1,254,033; Jan. 22; v. 246; p. 834.
Ammonia, Apparatus for the catalytic oxidation of. M. Taliani. No. 1,270,989; July 2; v. 252; p. 68.
Ammonia-compressor. G. Ferguson. No. 1,264,043; Apr. 23; v. 249; p. 933.
Ammonia-condenser. C. W. Vollmann. No. 1,259,810; Mar. 19; v. 248; p. 605.
Ammonia, Manufacture of. E. Oré. No. 1,266,147; May 14; v. 250; p. 382.
Ammonia, Preparation of synthetic. C. Ellis. No. 1,273,772; July 23; v. 252; p. 923.
Ammonia, Producing. A. Classen. No. 1,256,875; Feb. 19; v. 247; p. 593.
Ammonia, Production of. P. R. Hershman. No. 1,261,526; Apr. 2; v. 249; p. 152.
Ammonia, Purifying. C. Bosch. No. 1,261,900; Apr. 9; v. 249; p. 287.
Ammonia, Synthetic production of. P. A. Starke. No. 1,256,273; Feb. 12; v. 247; p. 379.
Ammoniac, Treatment of the residue from gas purification known as crude. L. C. Bonneau and V. E. Hasenfratz. No. 1,253,571; Jan. 15; v. 246; p. 683.
Ammonium nitrate, Manufacturing. R. Blom. No. 1,256,513; Feb. 19; v. 247; p. 487.
Ammonium perchlorate, Preparing. E. A. Le Sueur. No. 1,284,380; Nov. 12; v. 256; p. 277.
Ammonium perchlorate, Producing. G. C. Given. No. 1,273,477; July 23; v. 252; p. 845.
Ammonium sulfate, Production of neutral. F. Capron. No. 1,266,212; May 14; v. 250; p. 400.
Ammunition case or receptacle. B. A. Williams. No. 1,274,828; Aug. 6; v. 253; p. 138.
Ammunition hoisting and loading apparatus. A. T. Dawson and J. Horne. No. 1,289,694; Dec. 31; v. 257; p. 980.
Ammunition-hoisting apparatus. A. T. Dawson and J. Horne. No. 1,289,691; Dec. 31; v. 257; p. 979.
Ammunition-protecting casing. J. Schirra. No. 1,288,219; Dec. 17; v. 257; p. 569.
Ampul. P. Carpenter. No. 1,254,655; Jan. 29; v. 246; p. 1040.
Ampullæ, phials, and the like, Box for holding. P. Bots. No. 1,268,920; June 11; v. 251; p. 259.
Amusement apparatus. A. D. Goodwin. No. 1,261,804; Apr. 9; v. 249; p. 263.
Amusement apparatus. J. Metzler. No. 1,263,269; Apr. 16; v. 249; p. 700.
Amusement apparatus. G. Mongillo. No. 1,262,373; Apr. 9; v. 249; p. 419.
Amusement apparatus. H. C. Tanabe. No. 1,277,272; Aug. 27; v. 253; p. 903.
Amusement apparatus. J. A. Terry. No. 1,260,832; Mar. 26; v. 248; p. 935.
Amusement device. J. M. Charlton. No. 1,289,115; Dec. 31; v. 257; p. 837.
Amusement device. C. W. Coffin. No. 1,262,579; Apr. 9; v. 249; p. 477.
Amusement device. J. A. Fisher. No. 1,286,177; Nov. 26; v. 256; p. 805.
Amusement device. O. Fritsche. No. 1,252,257; Jan. 1; v. 246; p. 236.
Amusement device. F. J. Gibson. No. 1,272,250; July 9; v. 252; p. 453.
Amusement device. K. D. Gostin. No. 1,267,211; May 21; v. 250; p. 708.
Amusement device. L. D. Haskell. No. 1,282,418; Oct. 22; v. 255; p. 727.
Amusement device. E. Hawkins. No. 1,255,008; Jan. 29; v. 246; p. 1145.
Amusement device. A. M. Henry. No. 1,269,279; June 11; v. 251; p. 359.
Amusement device. A. D. Lakin. No. 1,266,494; May 14; v. 250; p. 475.
Amusement device. C. B. Manzer. No. 1,272,488; July 16; v. 252; p. 546.
Amusement device. M. Nanni. No. 1,262,377; Apr. 9; v. 249; p. 420.
Amusement device. C. P. Neats. No. 1,260,013; Mar. 19; v. 248; p. 666.
Amusement device. H. N. Ridgway. No. 1,279,911; Sept. 24; v. 254; p. 784.
Amusement device. G. H. Rumke. No. 1,256,734; Feb. 19; v. 247; p. 550.

Amusement device. E. J. Steward. No. 1,289,950; Dec. 31; v. 257; p. 1044.
Amusement device. H. C. Tanabe. No. 1,267,931; May 28; v. 250; p. 936.
Amusement device, Portable. H. L. Miller. No. 1,262,687; Apr. 16; v. 249; p. 530.
Amusement or pleasure wheel. L. N. Woolard. No. 1,264,783; Apr. 30; v. 249; p. 1159.
Amylacetate from chlor-hydrocarbons, Separation of. G. G. Oberfell and H. T. Boyd. No. 1,278,198; Sept. 10; v. 254; p. 261.
Analgesia, Producing. F. K. Vreeland. No. 1,257,555; Feb. 26; v. 247; p. 826.
Analgesic body and making. L. Thorp. No. 1,279,942; Sept. 24; v. 254; p. 792.
Anchor. E. Cook. No. 1,253,006; Jan. 8; v. 246; p. 487.
Anchor. P. L. E. Del Fungo-Giera. No. 1,271,442; July 2; v. 252; p. 192.
Anchor. J. E. Johannessen. No. 1,258,119; Mar. 5; v. 248; p. 50.
Anchor. D. M. Reid. No. 1,264,682; Apr. 30; v. 249; p. 1145.
Anchor. P. J. Ryan. No. 1,289,551; Dec. 31; v. 257; p. 946.
Anchor-bolt. J. K. Green. No. 1,283,156; Oct. 29; v. 255; p. 957.
Anchor, Bolt-. H. W. Pleister. No. 1,288,177; Dec. 17; v. 257; p. 559.
Anchor, Drive-. C. Loseth. No. 1,273,890; July 30; v. 252; p. 994.
Anchor, Guy-. P. M. Maloney. No. 1,283,246; Oct. 29; v. 255; p. 980.
Anchor mechanism. C. A. Waitz. No. 1,258,834; Mar. 12; v. 248; p. 297.
Anchor-rod. W. R. Brashear. No. 1,276,021; Aug. 20; v. 253; p. 525.
Anchor, Sea-. N. M. Campbell. No. 1,285,558; Nov. 19; v. 256; p. 611.
Anchor, Spacing and securing. I. B. Whetstone. No. 1,264,238; Apr. 30; v. 249; p. 1021.
Anchor, Underground. J. S. Whitehead. No. 1,255,676; Feb. 5; v. 247; p. 163.
Anchor, Wire-. G. D. Wheat. No. 1,256,753; Feb. 19; v. 247; p. 555.
Anchors, Apparatus for casting. F. Baldt, Jr. No. 1,282,012; Oct. 15; v. 255; p. 574.
Anchoring device. M. M. Hjermstad. No. 1,268,459; June 4; v. 251; p. 112.
Anchoring device. G. F Minnis. No. 1,260,429; Mar. 26; v. 248; p. 818.
Anesthesia, Method of and apparatus for general. W. V. Goodfellow. No. 1,267,761; May 28; v. 250; p. 887.
Anesthesia, Vapor or gaseous-fluid administering apparatus for. F. L. Richardson. No. 1,286,109; Nov. 26; v. 256; p. 787.
Anesthetic-administering apparatus. W. A. Johnston, A. W. Browne, and F. L. Wallace. No. 1,279,549; Sept. 24; v. 254; p. 677.
Anesthetic-frame. E. V. Erlandson. No. 1,257,332; Feb. 26; v. 247; p. 760.
Anesthetic-mask. W. P. Walter and D. G. McCurdy. No. 1,287,149; Dec. 10; v. 257; p. 273.
Anesthetics, Dispensing-receptacle for liquid. G. W. Todd. No. 1,272,579; July 16; v. 252; p. 572.
Anesthetics or analgesics, Apparatus for administering. M. F. Ewen. No. 1,256,481; Feb. 12; v. 247; p. 440.
Angle-finder. R. J. Sweezey. No. 1,270,564; June 25; v. 251; p. 768.
Angle-indicator. C. J. Craig. No. 1,287,242; Dec. 10; v. 257; p. 296.
Angle measurements in tachymeters and other angle-measuring instruments, Means for reading off. S. Baalsrud. No. 1,263,353; Apr. 16; v. 249; p. 722.
Angling-machine. D. J. Murnane. No. 1,271,353. July 2; v. 252; p. 168.
Anilin-reducer. A. H. Stevens. No. 1,267,819; May 28; v. 250; p. 904.
Animal-arrester. S. Shirley. No. 1,266,068; May 14; v. 250; p. 360.
Animal-catcher. M. I. Miller. No. 1,270,647; June 25; v. 251; p. 790.
Animal catcher and holder. H. O. Williams. No. 1,277,017; Aug. 27; v. 253; p. 835.
Animal-control device. J. G. Heivner. No. 1,251,519; Jan. 1; v. 246; p. 20.
Animal-exterminator. N. J. Wigginton. No. 1,274,123; July 30; v. 252; p. 1061.
Animal-feeder. W. Lieber. No. 1,282,092; Oct. 22; v. 255; p. 638.
Animal-releaser. A. Ebersole. No. 1,256,449; Feb. 12; v. 247; p. 431.
Animal-releasing device. C. A. Johnson. No. 1,284,355; Nov. 12; v. 256; p. 270.
Animal-releasing device. E. A. and H. Kramer. No. 1,270,173; June 18; v. 251; p. 634.
Animal-releasing device. A. Zuttner. No. 1,252,581; Jan. 8; v. 246; p. 364.
Animal-restraining device. I. Hungerford. No. 1,259,402; Mar. 12; v. 248; p. 459.
Animal-shears. C. M. Palmer. No. 1,282,459; Oct. 22; v. 255; p. 738.
Animal-smoker. N. R. Darragh. No. 1,262,649; Apr. 16; v. 249; p. 525.
Animal-snare. A. M. Perrin. No. 1,257,634; Feb. 26; v. 247; p. 849.
Animal-trap. L. Bedard, Jr., and S. Boiteau, Jr. No. 1,256,973; Feb. 19; v. 247; p. 621.
Animal-trap. C. J. Carlson and A. W. Larson. No. 1,287,877; Dec. 17; v. 257; p. 484.
Animal-trap. J. A. Davidson. No. 1,265,305; May 7; v. 250; p. 119.
Animal-trap. P. Dorszcz. No. 1,261,899; Apr. 9; v. 249; p. 287.
Animal-trap. T. J. Ellison. No. 1,267,391; May 28; v. 250; p. 783.
Animal-trap. W. A. Gibbs. No. 1,269,596; June 18; v. 251; p. 476.
Animal-trap. G. W. Hargett and H. F. Kimball. No. 1,277,575; Sept. 3; v. 254; p. 67.
Animal-trap. T. R. Harriman. No. 1,262,946; Apr. 16; v. 249; p. 610.
Animal-trap. R. B. James. No. 1,258,011; Mar. 5; v. 248; p. 18.
Animal-trap. R. C. Lewis. No. 1,283,232; Oct. 29; v. 255; p. 977.
Animal-trap. L. A., and F. C. Marcell. No. 1,281,403; Oct. 15; v. 255; p. 414.
Animal-trap. C. D. Neely. No. 1,261,273; Apr. 2; v. 249; p. 79.
Animal-trap. C. D. Neely. No. 1,285,323; Nov. 19; v. 256; p. 553.
Animal-trap. E. O'Reilly. No. 1,287,407; Dec. 10; v. 257; p. 337.
Animal-trap. V. F. Reich. No. 1,273,185; July 23; v. 252; p. 768.
Animal-trap. C. A. Renner. No. 1,277,122; Aug. 27; v. 253; p. 864.
Animal-trap. V. H. Saffry. No. 1,286,423; Dec. 3; v. 257; p. 59.
Animal-trap. J. P. Schuckman. No. 1,255,798; Feb. 5; v. 247; p. 198.
Animal-trap. T. B. Sheffer. No. 1,268,166; June 4; v. 251; p. 28.
Animal-trap. J. Slepicka. No. 1,284,483; Nov. 12; v. 256; p. 302.
Animal-trap. J. Slepicka. No. 1,284,801; Nov. 12; v. 256; p. 381.
Animal-trap. E. L. Spangler. No. 1,275,993; Aug. 13; v. 253; p. 487.
Animal-trap. J. K. Taylor. No. 1,281,876; Oct. 15; v. 255; p. 541.
Animal-trap. P. D. and D. E. Werts. No. 1,288,777; Dec. 24; v. 257; p. 732.
Animal trap and toy. F. D. Ammen. No. 1,286,898; Dec. 10; v. 257; p. 209.
Animals, Skinning. V. A. Wallin. No. 1,265,407; May 7; v. 250; p. 147.
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Annealing and straightening pipe, Apparatus for. H. A. Bardeen. No. 1,260,624; Mar. 26; v. 248; p. 877.
Annealing apparatus and process. W. S. Rowland. No. 1,268,155; June 4; v. 251; p. 24.
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Annealing-box. J. A. Hellstrom. No. 1,274,538; Aug. 6; v. 253; p. 57.
Annealing-box. L. L. Knox. No. 1,268,582; June 4; v. 251; p. 146.
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Annealing-furnace. T. F. Baily. No. 1,286,908; Dec. 10; v. 257; p. 211.
Annealing-furnace. I. W. Foltz. No. 1,258,885; Mar. 12; v. 248; p. 312.
Annealing-furnace. W. A. Wood and W. S. Rockwell. No. 1,288,353; Dec. 17; v. 257; p. 599.
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Annealing metal wire by electricity. H. Alexander, W. T. Vint, and A. Imbery. No. 1,285,887; Nov. 26; v. 256; p. 735.
Annealing or heat-treating furnace. W. N. Best. No. 1,281,489; Oct. 15; v. 255; p. 437.
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Annealing steel, Method of and means for. J. G. R. Munday. No. 1,277,244; Aug. 27; v. 253; p. 895.
Announcer or indicator. J. L. Shahan. No. 1,259,915; Mar. 19; v. 248; p. 637.
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Annunciator. A. Rendle. No. 1,269,856; June 18; v. 251; p. 550.
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Anthraquinone derivative and making same. G. Kalischer. No. 1,285,726; Nov. 26; v. 256; p. 693.
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Anti-overheating device. J. H. Hickey. No. 1,280,029; Sept. 24; v. 254; p. 816.
Antibalking device. I. Semotiuk. No. 1,253,733; Jan. 15; v. 246; p. 729.
Anticathode. E. W. Kelly. No. 1,254,700; Jan. 29; v. 246; p. 1054.
Anticreeper. P. W. Moore. No. 1,267,786; May 28; v. 250; p. 894.
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Anticreeper. H. G. Warr. No. 1,260,608; Mar. 26; v. 248; p. 872.
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Anticreeper for railway-rails. W. S. Weston. No. 1,257,566; Feb. 26; v. 247; p. 829.
Anticreeper, tie plate, and brace, Combined rail. P. Kimack. No. 1,269,715; June 18; v. 451; p. 510.
Anticreeping device for railway-rails. F. M. Robbins. No. 1,264,209; Apr. 30; v. 249; p. 1013.
Antifreezing compound. C. A. Lewis. No. 1,282,249; Oct. 22; v. 255; p. 682.
Antifreezing device. J. S. Whitten. No. 1,289,991; Dec. 31; v. 257; p. 1053.
Antifriction device. A. P. Bohlinger. No. 1,252,541; Jan. 8; v. 246; p. 352.
Antifriction-roller and making same. J. F. O'Connor. No. 1,273,909; July 30; v. 252; p. 1000.
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Antirattler. W. L. Fry. No. 1,253,582; Jan. 15; v. 246; p. 686.
Antirattling device. F. S. Ekliff. No. 1,265,311; May 7; v. 250; p. 120.
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Antiskid. O. Swanson. No. 1,287,512; Dec. 10; v. 257; p. 361.
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Antiskid attachment for wheels. W. A. Tarr. No. 1,254,448; Jan. 22; v. 246; p. 952.
Antiskid-chain. C. W. Hodges. No. 1,284,338; Nov. 12; v. 256; p. 266.
Antiskid-chain applicator. L. B. Wilson. No. 1,251,607; Jan. 1; v. 246; p. 49.
Antiskid-chain for tires. W. D. Stoner. No. 1,278,782; Sept. 10; v. 254; p. 417.
Antiskid device. R. Armstrong. No. 1,282,359; Oct. 22; v. 255; p. 711.
Antiskid device. F. E. and K. E. Banning. No. 1,267,837; May 28; v. 250; p. 910.
Antiskid device. A. Brasen. No. 1,277,288; Aug. 27; v. 253; p. 906.
Antiskid device. A. E. Carlton. No. 1,282,186; Oct. 22; v. 255; p. 664.
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Antiskid device. J. F. Whistler. No. 1,277,278; Aug. 27; v. 253; p. 904.
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Antiskid device for motor-vehicles. L. R. Swope. No. 1,266,345; May 14; v. 250; p. 436.
Antiskid device for tires. F. C. Poling. No. 1,270,550; June 25; v. 251; p. 764.
Antiskid device for vehicle-wheels. M. Daxe. No. 1,274,392; Aug. 6; v. 253; p. 13.
Antiskid device for vehicle-wheels. W. C. Mundorf. No. 1,253,626; Jan. 15; v. 246; p. 698.
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Antiskid device for vehicle-wheels. C. B. Woodworth. No. 1,259,190; Mar. 12; v. 248; p. 399.
Antiskid devices, Means for applying and removing. W. T. Langton. No. 1,288,620; Dec. 24; v. 257; p. 693.
Antiskid for wheels. R. W. Haubner. No. 1,267,544; May 28; v. 250; p. 826.
Antiskid-mat. J. Rettell. No. 1,267,269; May 21; v. 250; p. 722.
Antiskid-sander for vehicles. D. Kupfer. No. 1,268,019; May 28; v. 250; p. 960.
Antiskidding attachment. P. D. Skahen. No. 1,275,484; Aug. 13; v. 253; p. 345.
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Antiskidding device. W. Bécotte. No. 1,278,832; Sept. 17; v. 254; p. 461.
Antiskidding device. F. King. No. 1,285,224; Nov. 19; v. 256; p. 528.
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Antiskidding device. D. O. Parish. No. 1,256,160; Feb. 12; v. 247; p. 345.
Antiskidding device. E. R. Parker. No. 1,265,950; May 14; v. 250; p. 327.
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Antiskidding device. J. Wilde and J. Carter. No. 1,274,124; July 30; v. 252; p. 1061.
Antiskidding device for automobiles. M. J. Trambach. No. 1,269,921; June 18; v. 251; p. 567.
Antiskidding device for motor-vehicle wheels. J. I. Yoder. No. 1,257,170; Feb. 19; v. 247; p. 677.
Antiskidding device for tires. D. B. McCollum. No. 1,261,827; Apr. 9; v. 249; p. 269.
Antiskidding device for vehicle-tires. J. A. Reese. No. 1,256,729; Feb. 19; v. 247; p. 549.
Antiskidding device for vehicle-wheels. O. J. Nienow. No. 1,256,033; Feb. 12; v. 247; p. 306.
Antiskidding device for vehicle-wheels. H. D. Weed. No. 1,253,113; Jan. 8; v. 246; p. 520.
Antiskidding device for vehicles. P. D. Skahen. No. 1,275,483; Aug. 13; v. 253; p. 344.
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Antiskidding tread device for yielding tires. G. J. Adam. No. 1,262,574; Apr. 9; v. 249; p. 476.
Antislipping device. H. H. Wood. No. 1,282,330; Oct. 22; v. 255; p. 709.
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Antisubmarine device. N. Gorgichuk. No. 1,258,111; Mar. 5; v. 248; p. 48.
Antitoxin, Refining defibrinated-blood. M. Dorset and R. R. Henley. No. 1,270,270; June 25; v. 251; p. 685.
Anvil attachment. S. P. Strahan. No. 1,289,951; Dec. 31; v. 257; p. 1044.
Aperture-closure, Safety. J. E. Muhlfeld and G. W. Clendon. No. 1,261,952; Apr. 9; v. 249; p. 302.
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Apple-coring device. G. Nikolow. No. 1,268,758; June 4; v. 251; p. 194.
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Apple-quartering machine. C. Kirino. No. 1,278,679; Sept. 10; v. 254; p. 390.
Applicator. E. Rogers. No. 1,256,831; Feb. 19; v. 247; p. 578.
Apron. E. R. U. Civita. No. 1,265,427; May 7; v. 250; p. 153.
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Apron, Barber's. D. McLeod. No. 1,261,575; Apr. 2; v. 249; p. 166.
Apron, Bungalow-. K. V. Hogan. No. 1,251,524; Jan. 1; v. 246; p. 22.
Aquarium, Ornamental. R. Eickemeyer. No. 1,263,391; Apr. 23; v. 249; p. 754.
Aquatic display apparatus. J. H. Stillwaggon. No. 1,281,869; Oct. 15; v. 255; p. 539.
Aquatic sports, Mechanical water-horse for. A. Alaj. No. 1,253,329; Jan. 15; v. 246; p. 612.
Aqueous particles contained in the atmosphere, Process and apparatus for causing precipitation, &c., of. J. G. Balsillie. No. 1,279,823; Sept. 24; v. 254; p. 757.
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Arc-oscillation generator. B. Liebowitz. No. 1,271,183; July 2; v. 252; p. 122.
Arch collapsible form. W. Popendick. No. 1,284,766; Nov. 12; v. 256; p. 372.
Arch construction, Centering-frame for. W. C. Furry. (Reissue.) No. 14,444; Mar. 12; v. 248; p. 477.
Arch-span and beam form, Adjustable. H. E. Smith. No. 1,267,471; May 28; v. 250; p. 806.

Arch-support. E. Caravia. No. 1,260,868; Mar. 26; v. 248; p. 945.
Arch-support. R. S. Carling. No. 1,254,654; Jan. 29; v. 246; p. 1040.
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Arch-support. J. Mueller. No. 1,289,515; Dec. 31; v. 257; p. 937.
Arch-support. S. L. Pakas. No. 1,267,796; May 28; v. 250; p. 897.
Arch-support. W. S. Phelps. No. 1,272,994; July 16; v. 252; p. 690.
Arch-support. M. Santella. No. 1,255,794; Feb. 5; v. 247; p. 197.
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Arch-support and shoe-filler. G. L. Hamilton. No. 1,284,191; Nov. 5; v. 256; p. 199.
Arch-support and shoe-sole, Combined molded. J. A. Smith. No. 1,253,639; Jan. 15; v. 246; p. 702.
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Arithmetic-teaching device. E. H. Kuhn. No. 1,267,326; May 21; v. 250, p. 737.
Arm and hand and actuating means therefor, Artificial. E. W. Hobbs. No. 1,253,823; Jan. 15; v. 246; p. 755.
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Arm, Artificial. E. W. Hobbs. No. 1,275,027; Aug. 6; v. 253; p. 194.
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Arm, Artificial. T. Williams. No. 1,261,333; Apr. 2; v. 249; p. 97.
Arm-shield. B. V. Chapman. No. 1,270,697; June 25; v. 251; p. 802.
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Armature construction for dynamo-electric machines. V. G. Apple. No. 1,275,195; Aug. 13; v. 253; p. 266.
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Armature for dynamo-electric machines. F. N. Mizer. No. 1,270,967; July 2; v. 252; p. 61.
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Armor or protector for infantrymen. S. Orenbuch and N. Roginsky. No. 1,274,757; Aug. 6; v. 253; p. 119.
Armor-plates, Method of and apparatus for casting. L. Gathmann. No. 1,276,517; Aug. 20; v. 253; p. 664.
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Automobile wind-shield. H. W. Conner. No. 1,285,626; Nov. 26; v. 256; p. 668.
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Automobiles, Air-pump attachment for. C. R. West. No. 1,282,506; Oct. 22; v. 255; p. 751.
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Automobiles and the like, Clutch mechanism for. B. Settergren. No. 1,274,090; July 30; v. 252; p. 1051.
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Automobiles, Automatic air gear-shifting device for. H. and H. Warburton. No. 1,284,834; Nov. 12; v. 256; p. 390.
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Automobiles, Automatic speed control for. A. L. Skells. No. 1,277,267; Aug. 27; v. 253; p. 901.
Automobiles, Automatic stoppage and occupant-protecting equipment for. W. A. Uttz. No. 1,256,848; Feb. 19; v. 247; p. 583.
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Automobiles, Brake-locking attachment for Ford. W. I. Clark. No. 1,252,238; Jan. 1; v. 246; p. 230.
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Automobiles, Dynamo-electric starting, lighting, and igniting mechanism for. J. A. Heany. No. 1,287,989; Dec. 17; v. 257; p. 512.
Automobiles, Electric auxiliary system for steam-. A. Doble. No. 1,266,229; May 14; v. 250; p. 405.
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Automobiles, Electric lighting system for. D. F. Leone. No. 1,257,618; Feb. 26; v. 247; p. 845.
Automobiles, Electric lighting system for. B. J. Noyes. No. 1,257,015; Feb. 19; v. 247; p. 634.
Automobiles, Electric starting and supply system for. J. A. Heany. No. 1,287,988; Dec. 17; v. 257; p. 511.
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Azimuth-adjusting mechanism. N. W. Akimoff. No. 1,262,594; Apr. 9; v. 249; p. 482.
Azo dyestuffs and making same, Chromium compounds of. G. Engi and C. Jagerspacher. No. 1,259,499; Mar. 19; v. 248; p. 518.
β-alumina and preparing the same, Product containing. L. E. Saunders and R. H. White. No. 1,263,708; Apr. 23; v. 249; p. 842.
B-bromoethyl p-nitro-benzoate. R. Adams and O. Kann. No. 1,260,289; Mar. 26; v. 248; p. 777.
Babbitting-fixture. A. Von Beaulieu. No. 1,269,137; June 11; v. 251; p. 319.
Babbitting-jig. F. M. Pearman. No. 1,258,702; Mar. 12; v. 248; p. 258.
Babbitting-jig. J. Reins and S. G. Eggleston. No. 1,260,452; Mar. 26; v. 248; p. 824.
Babbitting tool or mold. C. Guggenbuehler. No. 1,271,310; July 2; v. 252; p. 157.
Baby and wheeling chair and carriage, Collapsible. D. L. Kohlman. No. 1,256,701; Feb. 19; v. 247; p. 541.
Baby-carriages, Adjustable hood-support for. O. W. Siebert and H. B. Hadley. No. 1,282,474; Oct. 22; v. 255; p. 742.
Baby-chair and common chair, Combined. L. Haussinger. No. 1,253,241; Jan. 15; v. 246; p. 585.
Baby-jumper. R. J. Johnson. No. 1,261,400; Apr. 2; v. 249; p. 116.
Baby-pacifier. H. F. Guenther. No. 1,287,295; Dec. 10; v. 257; p. 309.
Baby-walker. J. Gannon. No. 1,256,548; Feb. 19; v. 247; p. 496.
Back and head rest, Patient's. R. M. Russell. No. 1,281,074; Oct. 8; v. 255; p. 290.
Back-band hook. W. D. Couch. No. 1,289,676; Dec. 31; v. 257; p. 975.
Back-filling machine. W. R. Sieg. No. 1,264,693; Apr. 30; v. 249; p. 1147.
Back, Folding. H. W. Weed. No. 1,272,159; July 9; v. 252; p. 428.
Back-rest. E. Ziegler. No. 1,266,374; May 14; v. 250; p. 443.
Backband-hook. A. Ponder. No. 1,257,390; Feb. 26; v. 247; p. 776.
Bacteria destruction by pressure. J. R. Witzel. No. 1,269,562; June 11; v. 251; p. 434.
Bacterial product and preparing same. G. H. Earp-Thomas. No. 1,252,332; Jan. 1; v. 246; p. 257.
Bag: *See*—

Caddy-bag.	Metal bag.
Carrier-bag.	Nose-bag.
Continuous bag.	Picking-bag.
Feed-bag.	Shell-bag.
Fodder-bag.	Sleeping-bag.
Fruit-gathering bag.	Tobacco-bag.
Golf-bag.	Travel-bag.
Grain-bag.	Traveling-bag.
Hand-bag.	Vacuum-cleaner dust-bag.
Ice or water bag.	Valve-bag.
Knitting-bag.	

Bag. L. Hauser. No. 1,283,170; Oct. 29; v. 255; p. 961.
Bag. M. C. Hunt. No. 1,284,350; Nov. 12; v. 256; p. 269.
Bag. W. J. Moeller. No. 1,253,269; Jan. 15; v. 246; p. 594.
Bag. W. H. Smith. No. 1,257,139; Feb. 19; v. 247; p. 668.
Bag and suitcase. A. H. Christie. No. 1,274,003; July 30; v. 252; p. 1025.
Bag-carrier. N. H. Bullock. No. 1,276,322; Aug. 20; v. 253; p. 609.
Bag clasp, Hand-. F. J. Quigan. No. 1,278,812; Sept. 3; v. 254; p. 186.
Bag-cleaner. F. G. Gauntt. No. 1,268,450; June 4; v. 251; p. 109.

Alphabetical list of inventions—Continued.

Bag-closure. C. M. Thrasher. No. 1,288,290; Dec. 17; v. 257; p. 586.
Bag-fastener. F. A. Fuller. No. 1,254,220; Jan. 22; v. 246; p. 887.
Bag-fastener. F. A. Fuller. No. 1,255,733; Feb. 5; v. 247; p. 180.
Bag-fastener. F. A. Fuller. No. 1,273,352; July 23; v. 252; p. 812.
Bag-fastener. T. E. Grimm. No. 1,254,323; Jan. 22; v. 246; p. 917.
Bag-fastener. E. T. Lancaster. No. 1,287,704; Dec. 17; v. 257; p. 440.
Bag-filling apparatus. J. R. Cunnyngham. No. 1,257,816; Feb. 26; v. 247; p. 903.
Bag-frame and hinge member therefor. B. vom Eigen. No. 1,262,288; Apr. 9; v. 249; p. 395.
Bag-frame clasp. W. A. Heilmann. No. 1,278,645; Sept. 10; v. 254; p. 380.
Bag-frame-locking mechanism. J. Hammesfahr. No. 1,278,640; Sept. 10; v. 254; p. 379.
Bag-holder. W. J. Armstrong. No. 1,260,620; Mar. 26; v. 248; p. 876.
Bag-holder. C. G. G. Bergstrom. No. 1,271,653; July 9; v. 252; p. 286.
Bag-holder. J. Bolander. No. 1,269,577; June 18; v. 251; p. 471.
Bag-holder. F. W. Cerny. No. 1,265,996; May 14; v. 250; p. 340.
Bag-holder. G. A. Leimecke. No. 1,289,830; Dec. 31; v. 257; p. 1014.
Bag-holder. W. H. Shipley. No. 1,287,471; Dec. 10; v. 257; p. 351.
Bag-holder. R. L. Smith. No. 1,254,371; Jan. 22; v. 246; p. 931.
Bag-holder. J. H. Speed and F. Devault. No. 1,260,086; Mar. 19; v. 248; p. 687.
Bag holder, Feed-. M. D. Gurn. No. 1,253,815; Jan. 15; v. 246; p. 752.
Bag lock, Hand-. L. Dietrick. No. 1,264,027; Apr. 23; v. 249; p. 929.
Bag lock, Hand-. A. Mazon and A. Calles. No. 1,279,394; Sept. 17; v. 254; p. 613.
Bag-making machine. W. Rose. No. 1,271,519; July 2; v. 252; p. 213.
Bag or purse frame. L. G. Widlak. No. 1,281,731; Oct. 15; v. 255; p. 500.
Bag-turning machine. D. F. Stein. No. 1,270,893; July 2; v. 252; p. 40.
Bag-tying machine. A. M. Bates. No. 1,272,603; July 16; v. 252; p. 579.
Bag-tying machine. A. M. Bates. No. 1,281,121; Oct. 8; v. 255; p. 303.
Bag-tying machine. R. M. Warwick. No. 1,289,980; Dec. 31; v. 257; p. 1050.
Bags and the like, Locking device for. H. C. Jeaffreson. No. 1,262,053; Apr. 9; v. 249; p. 329.
Bags or wrappers, Mechanism for folding and closing the ends of. W. Rose. No. 1,275,756; Aug. 13; v. 253; p. 421.
Baggage-transfer. G. Tramutolo. No. 1,273,424; July 23; v. 252; p. 831.
Baggage-transferring apparatus. R. C. Russell. No. 1,287,759; Dec. 17; v. 257; p. 455.
Bagasse, &c., and making fuel therefrom, Preserving. W. Geveke. No. 1,258,886; Mar. 12; v. 248; p. 312.
Bagasse for the recovery of its values, Treating. M. W. Marsden. No. 1,265,694; May 7; v. 250; p. 222.
Bagasse, Separating pith from fiber from. C. H. O'Rourke. No. 1,260,437; Mar. 26; v. 248; p. 820.
Bail-ear device, Attachable-. J. H. Geary. No. 1,281,340; Oct. 15; v. 255; p. 396.
Bail-guard. N. Stanger. No. 1,268,775; June 4; v. 251; p. 199.
Bait and hook, Artificial. W. A. Foss. No. 1,264,626; Apr. 30; v. 249; p. 1130.
Bait, Artificial. F. L. Campbell. No. 1,267,627; May 28; v. 250; p. 850.
Bait, Artificial. C. Farmes. No. 1,251,994; Jan. 1; v. 246; p. 163.
Bait, Artificial. W. A. Foss. No. 1,264,627; Apr. 30; v. 249; p. 1130.
Bait, Artificial. W. A. Foss. No. 1,265,900; May 14; v. 250; p. 313.
Bait, Artificial. A. J. Keister. No. 1,272,812; July 16; v. 252; p. 639.
Bait, Artificial fish-. S. Arnold. No. 1,272,183; July 9; v. 252; p. 435.
Bait, Artificial fish-. L. W. Cameron. No. 1,272,003; July 9; v. 252; p. 384.
Bait, Artificial-minnow. O. C. Tuttle. No. 1,273,425; July 23; v. 252; p. 831.
Bait, Casting-. F. R. Morian. No. 1,288,118; Dec. 17; v. 257; p. 545.
Bait container, Fish-. B. F. Henthorn. No. 1,278,146; Sept. 10; v. 254; p. 247.
Bait, Fish-. J. W. Dickens. No. 1,254,397; Jan. 22; v. 246; p. 938.
Bait, Fish-. W. E. Phinney. No. 1,266,311; May 14; v. 250; p. 427.
Bait known as "plugs" or wood minnows, Artificial. W. H. Shuff. No. 1,268,635; June 4; v. 251; p. 162.
Baker, Altar-bread. A. Messmer. No. 1,257,513; Feb. 26; v. 247; p. 813.
Baker, Portable. F. Sheehan. No. 1,278,039; Sept. 3; v. 254; p. 192.
Baker's furnace. E. Nelson. No. 1,271,065; July 2; v. 252; p. 88.
Baker's peel. S. Kreps. No. 1,279,361; Sept. 17; v. 254; p. 604.
Baker's peel. D. Weisenberg. No. 1,254,096; Jan. 22; v. 246; p. 852.
Baker's peel. A. H. Woolley. No. 1,268,658; June 4; v. 251; p. 168.
Bakery products, Machine for stacking and packing. W. E. Lowell. No. 1,279,562; Sept. 24; v. 254; p. 681.
Baking and roasting apparatus. M. Gabriel. No. 1,261,507; Apr. 2; v. 249; p. 146.
Baking device, Cone-. F. A. Bruckman. (Reissue.) No. 14,439; Mar. 5; v. 248; p. 204.
Baking device, Food-. C. C. Gross. No. 1,271,309; July 2; v. 252; p. 157.
Baking machine, Pastry-. C. A. Costigan. No. 1,262,923; Apr. 16; v. 249; p. 604.
Baking machine, Tortilla-. T. Rios. No. 1,277,125; Aug. 27; v. 253; p. 865.
Baking-pan. I. A. Durkee. No. 1,283,482; Nov. 5; v. 256; p. 12.
Baking-pan. H. J. Haigh. No. 1,262,481; Apr. 9; v. 249; p. 449.
Baking-pan. H. J. Haigh. No. 1,280,019; Sept. 24; v. 254; p. 813.
Baking-pan. L. Lewitzky. No. 1,261,566; Apr. 2; v. 249; p. 164.
Baking-pan. C. O. Reynolds. No. 1,257,119; Feb. 19; v. 247; p. 662.
Baking-pan, Multiple. H. J. Haigh. No. 1,270,815; July 2; v. 252; p. 17.
Baking-pans, Machine for making. H. J. Haigh and I. S. Bodkin. No. 1,270,816; July 2; v. 252; p. 17.
Baking-powder. A. H. Peter. No. 1,265,369; May 7; v. 250; p. 137.
Baking-powder. H. D. Thatcher. No. 1,286,145; Nov. 26; v. 256; p. 797.
Baking-powder and making same. F. C. Atkinson. No. 1,264,592; Apr. 30; v. 249; p. 1120.
Baking-powder and making same. F. C. Atkinson. No. 1,286,904; Dec. 10; v. 257; p. 211.
Baking preparation. R. E. Rose. No. 1,274,334; July 30; v. 252; p. 1118.
Baking shell, Bread-. A. P. Pfell. No. 1,263,103; Apr. 16; v. 249; p. 656.
Baking utensil. W. J. Bauer. No. 1,278,422; Sept. 10; v. 254; p. 320.
Balance, Method of and apparatus for detecting dynamic. N. W. Akimoff. No. 1,262,593; Apr. 9; v. 249; p. 481.
Balance-plate or oscillating member. J. W. Gamble. No. 1,268,808; June 4; v. 251; p. 210.
Balance, Precision-. J. H. Jacobs. No. 1,281,968; Oct. 15; v. 255; p. 564.
Balancing apparatus. L. H. Lehman. No. 1,266,029; May 14; v. 250; p. 348.
Balancing contrivance, Ration-. W. C. Palmer. No. 1,289,246; Dec. 31; v. 257; p. 870.
Balcony, Sleeping-. M. H. Smith. No. 1,259,795; Mar. 19; v. 248; p. 601.
Bale and method of compressing, Compress-. W. D. Nesbit. No. 1,256,505; Feb. 12; v. 247; p. 448.
Bale and package tie. J. E. Forrest. No. 1,255,148; Feb. 5; v. 247; p. 10.
Bale-band fastener, Cotton-. J. P. Cain. No. 1,278,434; Sept. 10; v. 254; p. 322.
Bale-core-operating device. J. A. Taft. No. 1,272,724; July 16; v. 252; p. 614.
Bale-forming machine. L. K. Freeman. No. 1,277,302; Aug. 27; v. 253; p. 910.
Bale-forming press. A. T. Dudley. No. 1,257,466; Feb. 26; v. 247; p. 799.
Bale-forming-press attachment. L. K. Freeman. No. 1,257,474; Feb. 26; v. 247; p. 801.
Bale-tie. J. A. Gabriel. No. 1,263,547; Apr. 23; v. 249; p. 799.
Bale-tie. P. Kuhne. No. 1,287,347; Dec. 10; v. 257; p. 322.
Bale-tie. C. F. Moore. No. 1,278,712; Sept. 10; v. 254; p. 400.
Bale-tie counter. J. Guffy. No. 1,270,289; June 25; v. 251; p. 690.
Bale-ties, Joining. S. B. Minnich. No. 1,285,308; Nov. 19; v. 256; p. 549.
Bales of cotton or other materials, Re-forming and compressing. R. D. Webb. No. 1,257,558; Feb. 26; v. 247; p. 827.
Bales of cotton, Re-forming and compressing. R. D. Webb. No. 1,257,559; Feb. 26; v. 247; p. 827.
Baling apparatus, Cotton-. T. G. Haney. No. 1,255,160; Feb. 5; v. 247; p. 13.
Baling cotton and the like, Method and apparatus for. J. A. Taft. No. 1,265,972; May 14; v. 250; p. 334.
Baling device. R. L. Binder. No. 1,254,878; Jan. 29; v. 246; p. 1111.
Baling-machine. W. Caswell. No. 1,274,682; Aug. 6; v. 253; p. 98.

Baling-machine. T. Cook, H. T. Johnson, and J. E. T. Foot. No. 1,259,961; Mar. 19; v. 248; p. 652.
Baling-press. M. J. Armstrong. No. 1,285,895; Nov. 26; v. 256; p. 736.
Baling-press. A. Benson and E. C. Shaw. No. 1,251,740; Jan. 1; v. 246; p. 90.
Baling-press. H. C. Clay. No. 1,288,838; Dec. 24; v. 257; p. 745.
Baling-press. J. W. Garwood. No. 1,270,145; June 18; v. 251; p. 626.
Baling-press. C. B. Hardman. No. 1,261,931; Apr. 9; v. 249; p. 297.
Baling-press. R. L. Johnson, O. R. Goolsby, and J. N. Phillips. No. 1,263,322; Apr. 16; v. 249; p. 714.
Baling-press. R. E. Moyer. No. 1,261,051; Apr. 2; v. 249; p. 18.
Baling-press. C. L. North. No. 1,259,276; Mar. 12; v. 248; p. 421.
Baling-press. G. W. North. No. 1,288,656; Dec. 24; v. 257; p. 702.
Baling-press. R. O'Donnell. No. 1,284,756; Nov. 12; v. 256; p. 370.
Baling-press. J. J. Stewart. No. 1,276,986; Aug. 27; v. 253; p. 826.
Baling-press. W. Zachow. No. 1,258,848; Mar. 12; v. 248; p. 301.
Baling-presses. Attachment for. W. Teel and E. S. Parr. No. 1,279,937; Sept. 24; v. 254; p. 791.
Baling-presses, Bearing for. J. A. Taft. No. 1,251,936; Jan. 1; v. 246; p. 146.
Baling-presses. Block and tying mechanism for. U. D. Ezell. No. 1,268,444; June 4; v. 251; p. 107.
Baling presses, Feeding device for hay-. H. A. Mason. No. 1,257,510; Feb. 26; v. 247; p. 813.
Baling-presses, Wire-spacing attachment for. W. A. Grant. No. 1,277,306; Aug. 27; v. 253; p. 911.
Baling-presses. Wire-tying mechanism for. E. G. Paddeck. No. 1,275,296; Aug. 13; v. 253; p. 293.
Ball: *See*—
Billiard-ball.
Foot-ball.
Fuller ball.
Game-ball.
Golf-ball.
Golf and like ball.
Inflated ball.
Pipe-ball.
Sheet-metal ball.
Tennis-ball.
Ball. A. E. Meier. No. 1,263,585; Apr. 23; v. 249; p. 809.
Ball-and-socket joint. C. Cabana. No. 1,289,385; Dec. 31; v. 257; p. 904.
Ball-and-socket joint. J. J. Hagen. No. 1,265,445; May 7; v. 250; p. 158.
Ball-and-socket joint. F. W. Martin. No. 1,268,259; June 4; v. 251; p. 53.
Ball-grinding machine. O. W. Schaum. No. 1,252,364; Jan. 1; v. 246; p. 264.
Ball-grinding machine. O. W. Schaum. No. 1,252,365; Jan. 1; v. 246; p. 265.
Ball-grinding machine. O. W. Schaum. No. 1,252,366; Jan. 1; v. 246; p. 266.
Ball-joint. F. F. Scoville. No. 1,266,061; May 14; v. 250; p. 357.
Ball lift, Stand-valve-. F. W. Hall. No. 1,277,309; Aug. 27; v. 253; p. 912.
Ball-mill. D. H. Fairchild. No. 1,275,184; Aug. 6; v. 253; p. 238.
Ball-mills and making same, Grating for. B. A. Mitchell and F. G. Janney, Jr. No. 1,282,914; Oct. 29; v. 255; p. 891.
Ball nut-lock. J. McCabe. No. 1,286,683; Dec. 3; v. 257; p. 121.
Ball-rolling machine. C. H. Barton. No. 1,264,139; Apr. 30; v. 249; p. 992.
Ball-winding machine. H. Z. Cobb. No. 1,270,009; June 18; v. 251; p. 590.
Balls and apparatus therefor, Making resilient. H. Z. Cobb. No. 1,270,008; June 18; v. 251; p. 589.
Balls, Machine for gaging metal. J. J. McIntyre and C. Koehler. No. 1,260,223; Mar. 19; v. 248; p. 724.
Balls, Making sheet-metal. F. L. Kingston. No. 1,266,485; May 14; v. 250; p. 473.
Ballonnet-inflater. J. R. Gammeter. No. 1,286,579; Dec. 3; v. 257; p. 97.
Balloon. H. E. Honeywell. No. 1,283,773; Nov. 5; v. 256; p. 87.
Balloon. M. Zavarkin. No. 1,270,678; June 25; v. 251; p. 798.
Balloon-ballasting weight. A. Pukos. No. 1,257,529; Feb. 26; v. 247; p. 819.
Balloon construction. J. Sordyka. No. 1,274,207; July 30; v. 252; p. 1084.
Balloon controller and conveyer, Captive-. J. N. Lewis. No. 1,275,710; Aug. 13; v. 253; p. 407.
Balloon-cord stuffing-box. J. R. Gammeter. No. 1,287,285; Dec. 10; v. 257; p. 307.
Balloon, Dirigible. W. Culver. No. 1,276,497; Aug. 20; v. 253; p. 659.
Balloon distributing system, Automatic. E. S. Halsey. No. 1,286,178; Nov. 26; v. 256; p. 805.
Balloon, Kite, captive, or observation. C. F. Smyth. No. 1,288,451; Dec. 17; v. 257; p. 623.
Balloon stabilizing-appendage. R. H. Upson. No. 1,288,299; Dec. 17; v. 257; p. 588.
Balloon-vehicle. M. Wozny. No. 1,259,578; Mar. 19; v. 248; p. 540.
Balloon-window. J. R. Gammeter. No. 1,281,554; Oct. 15; v. 255; p. 454.
Balloons, Guide-fin structure for. J. R. Gammeter. No. 1,287,284; Dec. 10; v. 257; p. 307.
Balloons, Suspension-patch for. H. T. Kraft. No. 1,272,058; July 9; v. 252; p. 400.
Balloons, Varnishing. H. E. Honeywell. No. 1,281,374; Oct. 15; v. 255; p. 406.
Ballot-box. E. J. McGowan. No. 1,275,579; Aug. 13; v. 253; p. 371.
Ballot-box. T. B. Wyman. No. 1,277,811; Sept. 3; v. 254; p. 133.
Balsa wood to produce floats, Treating. R. Holzapfel. No. 1,262,345; Apr. 9; v. 249; p. 410.
Band, Body-encircling. C. M. McNeil. No. 1,280,509; Oct. 1; v. 255; p. 110.
Band-brake. T. R. Morse. No. 1,276,792; Aug. 27; v. 253; p. 775.
Band-brake, Compound. H. A. Steen. No. 1,279,778; Sept. 24; v. 254; p. 745.
Band-brake, Compound. H. A. Steen. No. 1,282,483; Oct. 22; v. 255; p. 744.
Band-cutter and feeder. J. F. Langdon. No. 1,261,562; Apr. 2; v. 249; p. 163.
Band-cutter for threshing-machine feeders. H. F. Snyder. No. 1,271,626; July 9; v. 252; p. 277.
Band-cutting machines, Automatic feeding device for. F. X. Malocsay. No. 1,257,507; Feb. 26; v. 247; p. 811.
Band-feeding device. W. S. Hamm. No. 1,276,906; Aug. 27; v. 253; p. 805.
Band-iron connector. L. J. Nelson. No. 1,270,193; June 18; v. 251; p. 639.
Bandage. J. Dupuy. No. 1,281,538; Oct. 15; v. 255; p. 450.
Bandage, Extension-. F. P. Corrigan. No. 1,268,932; June 11; v. 251; p. 262.
Bandage for the treatment of bodily ailments. E. Sachse. No. 1,263,937; Apr. 23; v. 249; p. 906.
Bandage-package. W. P. McCrea. No. 1,262,963; Apr. 16; v. 249; p. 614.
Bandage-winder. W. A. Winter. No. 1,287,163; Dec. 10; v. 257; p. 276.
Bandage-winding device. E. F. Galloway. No. 1,261,225; Apr. 2; v. 249; p. 65.
Banding-machine. F. X. Malocsay. No. 1,261,830; Apr. 9; v. 249; p. 270.
Banding-machine. F. X. Malocsay. No. 1,261,831; Apr. 9; v. 249; p. 270.
Bandeau. L. M. Brett. No. 1,287,626; Dec. 17; v. 257; p. 421.
Banjo attachment. W. B. Farmer. No. 1,260,171; Mar. 19; v. 248; p. 709.
Banjo knee-rest. A. Mortensen. No. 1,261,841; Apr. 9; v. 249; p. 273.
Banjo-resonator. L. Yosco. No. 1,289,999; Dec. 31; v. 257; p. 1055.
Bank. J. Komorous. No. 1,276,664; Aug. 20; v. 253; p. 704.
Bank, Contact-. H. P. Clausen. No. 1,276,491; Aug. 20; v. 253; p. 657.
Bank, Contact-. J. G. Roberts. No. 1,283,563; Nov. 5; v. 256; p. 33.
Bank-deposits, Apparatus for receiving. J. W. Hipwell and L. M. Hopkins. No. 1,259,399; Mar. 12; v. 248; p. 457.
Bank, Dime-. F. A. Smith. No. 1,269,870; June 18; v. 251; p. 554.
Bank officials, Device for protecting. P. Losselyoung. No. 1,288,070; Dec. 17; v. 257; p. 532.
Bank robberies, Means for preventing day-light. W. W. Arnold. No. 1,258,297; Mar. 5; v. 248; p. 101.
Bank, Savings-. A. M. Baker. No. 1,271,416; July 2; v. 252; p. 184.
Bank, Savings-. W. J. Baker. No. 1,271,417; July 2; v. 252; p. 185.
Bank, Terminal. J. N. Reynolds. No. 1,257,394; Feb. 26; v. 247; p. 778.
Bank, Terminal. J. N. Reynolds and O. F. Forsberg. No. 1,273,274; July 23; v. 252; p. 790.
Bank, Three-coin-register. A. E. Jacobs. No. 1,269,608; June 18; v. 251; p. 480.
Banner, Portable. A. F. Klink. No. 1,263,072; Apr. 16; v. 249; p. 647.
Bar: *See*—
Buster-bar.
Clinker-bar.
Clothes-wringer pressure-bar.
Concrete-reinforcing bar.
Conductor-bar.
Corner-bar.
Deformed bar.
Dolly-bar.
Draw-bar.
Furnace grate-bar.
Glazing-bar.
Grate-bar.
Horizontal bar.
Joint draw-bar.
Mower cutter-bar.
Rail-joint splice-bar.
Railway-rail splice-bar.
Reinforcing-bar.
Sash-bar.
Skylight-bar.
Splice-bar.
Tamping-bar.
Universal bar.
Bar-bell. D. G. Krudop. No. 1,270,034; June 18; v. 251; p. 597.
Bar-bender. E. H. Lichtenberg. No. 1,264,097; Apr. 23; v. 249; p. 948.
Bar-coupling. C. R. Uhl. No. 1,264,227; Apr. 30; v. 249; p. 1018.

Bar-cutting apparatus. C. K. Bryce. No. 1,260,316; Mar. 26; v. 248; p. 785.
Bar-lock. F. Hardart, Jr. No. 1,277,412; Sept. 3; v. 254; p. 23.
Bar-spacer. D. W. Brooks. No. 1,287,861; Dec. 17; v. 257; p. 480.
Bar-support. A. J. Widmer. No. 1,260,494; Mar. 26; v. 248; p. 837.
Bar-twister. F. H. Williams. No. 1,257,435; Feb. 26; v. 247; p. 789.
Bars, Machine for cutting off pieces from. G. B. Taylor. No. 1,288,283; Dec. 17; v. 257; p. 584.
Bars, Means for roughening. A. L. Johnson. No. 1,270,836; July 2; v. 252; p. 23.
Barb-wire stretcher. J. E. Margeson. No. 1,274,736; Aug. 6; v. 253; p. 113.
Barber or dental chair. G. C. Laraia. No. 1,255,321; Feb. 5; v. 247; p. 59.
Barber's accessory. C. Z. Alexander. No. 1,278,284; Sept. 10; v. 254; p. 285.
Barber's chair. C. Pfanschmidt. No. 1,288,671; Dec. 24; v. 257; p. 706.
Barge, Coaling-. L. S. Evans. No. 1,281,542; Oct. 15; v. 255; p. 451.
Barge construction, Metal. J. L. Taylor. No. 1,253,645; Jan. 15; v. 246; p. 703.
Barge-conveyer. D. Darrow. No. 1,265,624; May 7; v. 250; p. 204.
Barium chlorid, magnesium chlorid, &c., Production of. S. H. Dolbear and J. W. Beckman. No. 1,279,090; Sept. 17; v. 254; p. 531.
Barium sulfid, Purifying. W. E. Prisk and H. R. Harrison. No. 1,256,593; Feb. 19; v. 247; p. 509.
Bark-remover. G. M. Bristle. No. 1,261,689; Apr. 2; v. 249; p. 198.
Bark removing and recovering apparatus. O. L. Berger and H. Guettler. No. 1,253,340; Jan. 15; v. 246; p. 615.
Barn-ventilator. J. G. Shodron. No. 1,270,879; July 2; v. 252; p. 36.
Barrel. W. L. Crowe. No. 1,255,392; Feb. 5; v. 247; p. 81.
Barrel. J. H. Foster. No. 1,262,766; Apr. 16; v. 249; p. 559.
Barrel. W. J. Grinden. No. 1,263,232; Apr. 16; v. 249; p. 691.
Barrel. G. E. Herrmann and B. W. Tucker. No. 1,281,568; Oct. 15; v. 255; p. 457.
Barrel. G. E. Herrmann and B. W. Tucker. No. 1,286,628; Dec. 3; v. 257; p. 109.
Barrel. G. E. Herrmann and B. W. Tucker. No. 1,287,019; Dec. 10; v. 257; p. 239.
Barrel. J. L. Malm. No. 1,255,196; Feb. 5; v. 247; p. 24.
Barrel. J. W. McNeil. No. 1,262,222; Apr. 9; v. 249; p. 377.
Barrel. B. W. Tucker. No. 1,274,108; July 30; v. 252; p. 1056.
Barrel-bodies, Manufacture of bilged metallic. H. Williams. No. 1,259,573; Mar. 19; v. 248; p. 538.
Barrel-closure. O. J. Hemschemeyer. No. 1,283,177; Oct. 29; v. 255; p. 962.
Barrel, Collapsible. J. D. Kennedy. No. 1,286,020; Nov. 26; v. 256; p. 767.
Barrel, Collapsible reel-. T. W. Corkell. No. 1,266,771; May 21; v. 250; p. 585.
Barrel-cover. B. J. Hanson. No. 1,267,542; May 28; v. 250; p. 825.
Barrel-filling machine. J. Galleazzi. No. 1,276,341; Aug. 20; v. 253; p. 614.
Barrel-filling machine. J. Galleazzi. No. 1,278,631; Sept. 10; v. 254; p. 376.
Barrel for sweeping compounds, Combination-. I. H. Webb. No. 1,261,660; Apr. 2; v. 249; p. 189.
Barrel-forming machine, Sheet-metal-bilge-. W. B. Goddard. No. 1,285,982; Nov. 26; v. 256; p. 758.
Barrel-head and seal. A. J. Hodge and H. B. Ruggles. No. 1,265,657; May 7; v. 250; p. 212.
Barrel-head fastener. P. J. Dinn. No. 1,272,020; July 9; v. 252; p. 389.
Barrel-head press. F. L. Mehring. No. 1,263,786; Apr. 23; v. 249; p. 862.
Barrel-head seal. A. J. Hodge and H. B. Ruggles. No. 1,265,656; May 7; v. 250; p. 212.
Barrel-heads, Connecting device, particularly for sectional. H. A. House. No. 1,268,352; June 4; v. 251; p. 80.
Barrel-hoop. L. C. Hollingshead. No. 1,286,635; Dec. 3; v. 257; p. 110.
Barrel, Knockdown. E. Wortmann. No. 1,261,887; Apr. 9; v. 249; p. 285.
Barrel, Metallic. J. C. Gorton. No. 1,263,403; Apr. 23; v. 249; p. 758.
Barrel or keg, Knockdown. J. D. Kennedy. No. 1,286,019; Nov. 26; v. 256; p. 767.
Barrel, Removable-head steel. H. E. Dunlap. No. 1,268,550; June 4; v. 251; p. 136.
Barrel-seam and making same. H. G. Davis. No. 1,266,415; May 14; v. 250; p. 454.
Barrel, Sectional. W. C. Noble and B. W. Corson. No. 1,278,495; Sept. 10; v. 254; p. 339.
Barrel, Sectional metallic. J. W. Darley, Jr. No. 1,258,537; Mar. 5; v. 248; p. 171.
Barrel-stand. J. J. Anderson. No. 1,288,794; Dec. 24; v. 257; p. 735.
Barrel-stand. C. A. Carlson. No. 1,270,696; June 25; v. 251; p. 802.
Barrel-stand. C. James. No. 1,253,499; Jan. 15; v. 246; p. 660.
Barrel-stand. J. G. Zimlich. No. 1,257,442; Feb. 26; v. 247; p. 791.
Barrel-support. E. Reed. No. 1,288,193; Dec. 17; v. 257; p. 563.
Barrel-support. C. E. Taylor, Jr. No. 1,261,184; Apr. 2; v. 249; p. 54.
Barrel-tapping device. H. B. Speer. No. 1,286,821; Dec. 3; v. 257; p. 152.
Barrel-windlassing-machine attachment. M. C. Warren and J. J. Krohn. No. 1,260,490; Mar. 26; v. 248; p. 836.
Barrels and casks, Making. E. A. Bolinder. No. 1,286,214; Dec. 3; v. 257; p. 7.
Barrels and the like, Head for. A. J. Hodge and H. B. Ruggles. No. 1,265,658; May 7; v. 250; p. 213.
Barrels and the like, Head for. A. J. Hodge and H. B. Ruggles. No. 1,268,460; June 4; v. 251; p. 112.
Barrels and the like, Head for. A. J. Hodge and H. B. Ruggles. No. 1,276,362; Aug. 20; v. 253; p. 621.
Barrels and the like, Head for. A. J. Hodge and H. B. Ruggles. No. 1,276,363; Aug. 20; v. 253; p. 622.
Barrels, Apparatus for reaming bung-holes of. A. E. Eager. No. 1,262,470; Apr. 9; v. 249; p. 445.
Barrels, bags, and packages, Machine for filling. A. M. Bates. No. 1,269,777; June 18; v. 251; p. 528.
Barrels, Faucet-receptacle for. G. W. Knapp. No. 1,276,698; Aug. 20; v. 253; p. 713.
Barrels, Making. J. H. Foster. No. 1,262,935; Apr. 16; v. 249; p. 607.
Barrels or kegs, Metal head for. J. W. Brainard. No. 1,273,997; July 30; v. 252; p. 1024.
Barrels or the like, Machine for shaping the heads of. A. M. Griffin. No. 1,262,780; Apr. 16; v. 249; p. 563.
Barrier, Portable. P. Niznik. No. 1,276,100; Aug. 20; v. 253; p. 548.
Base. W. A. Shorb. No. 1,272,866; July 16; v. 252; p. 655.
Base-ball-game apparatus. A. A. Bruder. No. 1,287,208; Dec. 10; v. 257; p. 288.
Base-board and molding brush. H. H. Belknap. No. 1,284,992; Nov. 19; v. 256; p. 469.
Basin, Catch-. C. H. Smith. No. 1,278,240; Sept. 10; v. 254; p. 273.
Basket. J. F. East. No. 1,257,823; Feb. 26; v. 247; p. 905.
Basket. G. M. Walker. No. 1,261,982; Apr. 9; v. 249; p. 311.
Basket. G. M. Walker. No. 1,272,324; July 9; v. 252; p. 475.
Basket attachment, Baby-. G. W. Checkley. No. 1,277,292; Aug. 27; v. 253; p. 907.
Basket, Centrifugal. E. Roberts and A. H. Gibson. No. 1,259,048; Mar. 12; v. 248; p. 359.
Basket corrugator, Metal-. F. D. Tellin. No. 1,275,497; Aug. 13; v. 253; p. 348.
Basket, Culinary. W. B. Walker. No. 1,285,490; Nov. 19; v. 256; p. 594.
Basket, Dish-holding. G. S. Blakeslee. No. 1,285,000; Nov. 19; v. 256; p. 471.
Basket-handle. F. C. Bertram. No. 1,254,967; Jan. 29; v. 246; p. 1135.
Basket-handle-attaching machine. E. Craig. No. 1,280,411; Oct. 1; v. 255; p. 83.
Basket-making machine. C. Schwedler. No. 1,267,125; May 21; v. 250; p. 684.
Basket, Metal fish-. C. H. Thornblade. No. 1,252,740; Jan. 8; v. 246; p. 410.
Basket, Mortuary and ambulance. J. H. Hunt. No. 1,264,652; Apr. 30; v. 249; p. 1137.
Basket-stand, Knockdown. H. J. Wheeler. No. 1,270,575; June 25; v. 251; p. 771.
Bath-cabinet. L. A. Ferrandini. No. 1,277,709; Sept. 3; v. 254; p. 105.
Bath-cabinet. G. B. Stryker. No. 1,277,502; Sept. 3; v. 254; p. 48.
Bath-cabinet heater. M. M. Jones. No. 1,258,685; Mar. 12; v. 248; p. 253.
Bath-house, Portable. J. L. Brown. No. 1,254,771; Jan. 29; v. 246; p. 1077.
Bath or basin waste. L. A. Cornelius. No. 1,255,389; Feb. 5; v. 247; p. 80.
Bath-room fixture. E. Berko. No. 1,272,899; July 16; v. 252; p. 664.
Bath-room fixture. F. O. Walker. No. 1,262,207; Jan. 1; v. 246; p. 222.
Bath-room fixtures, Attachment for. W. E. Wells. No. 1,276,463; Aug. 20; 253; p. 649.
Bath spray or device. W. Rose. No. 1,279,006; Sept. 17; v. 254; p. 509.
Bath-tub appliance. F. Frazzano. No. 1,272,936; July 16; v. 252; p. 674.
Bath-tub cabinet. J. Pochopien. No. 1,272,087; July 9; v. 252; p. 408.
Bath-tub cover. G. Bullock. No. 1,262,442; Apr. 9; v. 249; p. 438.

Bath-tub fitting. G. Stepanchak. No. 1,281,222; Oct. 8; v. 255; p. 332.
Bath-tub leg. J. H. Danver. No. 1,285,062; Nov. 19; v. 256; p. 486.
Bath-tub rail. B. F. Brown. No. 1,261,758; Apr. 9; v. 249; p. 249.
Bath-tub rail. B. F. Brown. No. 1,261,759; Apr. 9; v. 249; p. 249.
Bath-tub seat. R. Stroll. No. 1,271,384; July 2; v. 252; p. 177.
Bath-tub seat, Permanent. R. E. Barnhart. No. 1,284,171; Nov. 5; v. 256; p. 193.
Bath-tubs, Manufacturing vitreous-enameled cast-metal apron. W. C. McKinney. No. 1,282,255; Oct. 22; v. 255; p. 684.
Bath-tubs, Medical-liquid-deliverer attachment for water-pipes of. O. D. Butter. No. 1,264,772; Apr. 30; v. 249; p. 1167.
Bath-tubs, Portable cradle for. T. M. Gleason. No. 1,273,214; July 23; v. 252; p. 775.
Bathing apparatus, Portable. R. L. Richards. No. 1,272,715; July 16; v. 252; p. 611.
Bathing-suit. J. F. Burke. No. 1,272,769; July 16; v. 252; p. 627.
Bathing-suit. G. A. Mattern. No. 1,281,625; Oct. 15; v. 255; p. 472.
Bathing-suit, Adjustable. W. R. Heber. No. 1,254,593; Jan. 22; v. 246; p. 994.
Batteries, Apparatus for charging storage. W. T. Hensley. No. 1,256,228; Feb. 12; v. 247; p. 367.
Batteries, Assembly and packing crate for storage. E. W. Smith. No. 1,254,940; Jan. 29; v. 246; p. 1128.
Batteries, Charging-regulator for storage. A. H. Hoffman. No. 1,273,490; July 23; v. 252; p. 848.
Batteries, Cover for storage. W. Morrison. No. 1,288,120; Dec. 17; v. 257; p. 545.
Batteries, Device for supplying water to storage. H. I. Detro. No. 1,266,425; May 14; v. 250; p. 456.
Batteries, Jar for submarine and like. B. Ford. No. 1,272,247; July 9; v. 252; p. 452.
Batteries, Making electric. T. W. Byrne. No. 1,259,485; Mar. 19; v. 248; p. 514.
Batteries or other receptacles, Filling device or valve for storage. M. R. Hutchison. No. 1,275,262; Aug. 13; v. 253; p. 284.
Batteries, Plate-remover for storage. R. F. Robertson. (Reissue.) No. 14,523; Sept. 17; v. 254; p. 639.
Batteries, Process and apparatus for charging storage. T. Spencer. No. 1,285,319; Nov. 19; v. 256; p. 552.
Batteries, Regulator for charging storage. S. F. Briggs. No. 1,262,917; Apr. 16; v. 249; p. 602.
Batteries, Separator for storage. I. C. and C. F. Williams. No. 1,265,284; May 7; v. 250; p. 113.
Batteries, Spring-clip for storage-. C. H. Kay and C. F. Hartung. No. 1,275,939; Aug. 13; v. 253; p. 471.
Batteries, Suspension device for. F. S. Denneen and C. N. Mitchell. No. 1,283,107; Oct. 29; v. 255; p. 944.
Batteries, System for charging car-lighting. T. L. Mount. No. 1,275,586; Aug. 13; v. 253; p. 372.
Batteries, System for charging storage. R. M. Dixon. No. 1,287,259; Dec. 10; v. 257; p. 301.
Battery: *See*—
Dry battery.
Dry-cell battery.
Electric battery.
Electric gravity-battery.
Electrical capacity-battery.
Flash-light battery.
Floating battery.
Galvanic battery.
Primary battery.
Secondary battery.
Secondary or storage battery.
Storage battery.
Battery. E. H. Becker. No. 1,257,969; Mar. 5; v. 248; p. 6.
Battery. W. Morrison. No. 1,261,269; Apr. 2; v. 249; p. 79.
Battery. E. Sokal. No. 1,258,265; Mar 5; v. 248; p. 92.
Battery and box retainer, Storage. W. C. Rowell. No. 1,257,931; Feb. 26; v. 247; p. 936.
Battery and making same. H. Wilhelm and H. Olaneta. No. 1,283,005; Oct. 29; v. 255; p. 918.
Battery-box and lantern. R. J. Stephenson. No. 1,257,758; Feb. 26; v. 247; p. 886.
Battery-cell. J. C. Sangers. No. 1,266,166; May 14; v. 250; p. 388.
Battery-cell, Secondary. H. Csanyi. No. 1,279,280; Sept. 17; v. 254; p. 581.
Battery cells, Ventilating storage-. B. Ford. No. 1,280,982; Oct. 8; v. 255; p. 264.
Battery cells, Ventilation of storage-. B. Ford. No. 1,289,146; Dec. 31; v. 257; p. 845.
Battery-charging regulating means. W. L. Bliss. No. 1,284,223; Nov. 12; v. 256; p. 235.
Battery-charging system, Electrical-. H. G. Webster. No. 1,257,163; Feb. 19; v. 247; p. 675.
Battery-charging system, Storage-. J. F. Lincoln. No. 1,260,218; Mar. 19; v. 248; p. 722.
Battery-connector. W. S. Perry. No. 1,288,160; Dec. 17; v. 257; p. 556.
Battery construction. W. Gardiner. No. 1,262,581; Apr. 9; v. 249; p. 478.
Battery construction, Storage-. W. Morrison. No. 1,284,746; Nov. 12; v. 256; p. 367.
Battery-cover. C. W. Taube. No. 1,276,593; Aug. 20; v. 253; p. 685.
Battery-cover-removing device. M. Melia. No. 1,284,410; Nov. 12; v. 256; p. 285.
Battery cover, Storage-. E. Land. No. 1,269,096; June 11; v. 251; p. 308.
Battery-cups, Machine for making. S. L. Casella. No. 1,281,514; Oct. 15; v. 255; p. 443.
Battery-depolarizer. M. E. Holmes. No. 1,259,099; Mar. 12; v. 248; p. 373.
Battery depolarizer, Electric-. M. E. Holmes. No. 1,272,952; July 16; v. 252; p. 678.
Battery-depolarizer, Making a. H. F. French and R. C. Benner. No. 1,269,173; June 11; v. 251; p. 329.
Battery-electrode. W. O. Snelling. No. 1,288,722; Dec. 24; v. 257; p. 719.
Battery-element puller. M. Melia. No. 1,284,409; Nov. 12; v. 256; p. 285.
Battery elements, Means for holding. F. E. Whitney and M. Melia. No. 1,267,613; May 28; v. 250; p. 846.
Battery-fluid recovery. S. H. Sheib. No. 1,281,857; Oct. 15; v. 255; p. 535.
Battery-gage. C. E. Moore. No. 1,260,934; Mar. 26; v. 248; p. 962.
Battery-grid. C. H. Cable and E. W. Jones. No. 1,267,846; May 28; v. 250; p. 912.
Battery holder, Wireless-. E. H. Rollinson. No. 1,258,814; Mar. 12; v. 248; p. 290.
Battery installation, Storage-. G. E. Edgar. No. 1,275,007; Aug. 6; v. 253; p. 189.
Battery jar, Storage-. E. T. Schmucker. No. 1,260,071; Mar. 19; v. 248; p. 683.
Battery lighting outfit. W. B. Schulte. No. 1,286,800; Dec. 3; v. 257; p. 146.
Battery-meter. W. Anthony. No. 1,262,000; Apr. 9; v. 249; p. 316.
Battery-operating apparatus. M. Kruppa. No. 1,284,713; Nov. 12; v. 256; p. 359.
Battery plate, Alkaline-. C. C. Carpenter. No. 1,257,312; Feb. 26; v. 247; p. 755.
Battery-plates, Machine for casting straps to. E. Disinger. No. 1,274,016; July 30; v. 252; p. 1029.
Battery-separator. F. T. Baird. No. 1,279,074; Sept. 17; v. 254; p. 527.
Battery separator, Storage-. W. Morrison. No. 1,262,228; Apr. 9; v. 249; p. 379.
Battery support, Storage-. J. Ledig. No. 1,252,706; Jan. 8; v. 246; p. 400.
Battery-tamping machine. J. H. Sangers. No. 1,285,301; Nov. 19; v. 256; p. 547.
Battery-terminal remover. H. W. Seffens. No. 1,272,129; July 9; v. 252; p. 421.
Battery-terminal. Wire-engaging. A. F. Henderson. No. 1,255,310; Feb. 5; v. 247; p. 56.
Battery-terminals, Removing. E. W. Weinmann. No. 1,265,980; May 14; v. 250; p. 336.
Battery-vault and the like. C. H. Marquess. No. 1,281,622; Oct. 15; v. 255; p. 471.
Battery-vault construction. C. H. Marquess. No. 1,281,406; Oct. 15; v. 255; p. 416.
Battery-vaults or the like, Making. C. H. Marquess. No. 1,281,404; Oct. 15; v. 255; p. 415.
Battery-wrapper. C. F. Burgess. No. 1,284,584; Nov. 12; v. 256; p. 326.
Battery-wrappers, Apparatus for making. C. F. Burgess. No. 1,284,583; Nov. 12; v. 256; p. 326.
Battery-wrappers, Making. C. F. Burgess. No. 1,284,585; Nov. 12; v. 256; p. 326.
Bayonet and wire-cutter. J. Bizon. No. 1,287,569; Dec. 10; v. 257; p. 375.
Bayonet-clutch. R. Hughes. No. 1,285,189; Nov. 19; v. 256; p. 519.
Bayonet, Disappearing. J. Stefanov. No. 1,260,827; Mar. 26; v. 248; p. 934.
Bayonet for firearms, Wire-cutting. M. Sroke. No. 1,269,126; June 11; v. 251; p. 316.
Bayonet-mount for shoulder-arms. J. E. Otterson. No. 1,260,021; Mar. 19; v. 248; p. 669.
Bayonet-projector. M. Hlustik. No. 1,265,780; May 14; v. 250; p. 278.
Bayonet, Scissors-. J. Skwarek. No. 1,260,723; Mar. 26; v. 248; p. 905.
Bayonet, Wire-cutting. J. Piróg. No. 1,274,194; July 30; v. 252; p. 1080.
Bayonets, Wire-cutter for. E. Wilczek. No. 1,265,151; May 7; v. 250; p. 78.
Bayonets, Wire-entanglement cutter for. W. Dziezyc. No. 1,274,019; July 30; v. 252; p. 1030.
Bayonets, Wire-cutting attachment for. J. Stanislawski. No. 1,268,172; June 4; v. 251; p. 29.
Beach-building. J. P. Remington. No. 1,274,450; Aug. 6; v. 253; p. 31.
Bead-trimming machine. R. L. Taft. No. 1,270,459; June 25; v. 251; p. 738.
Beader and gutter-former. E. J. Bowles and E. and H. Metz. No. 1,267,368; May 28; v. 250; p. 777.
Beading-tool. T. Lund. No. 1,267,429; May 28; v. 250; p. 794.
Beam-level and inclination-indicator or inclinometer, Combination. N. Leblond. No. 1,257,256; Feb. 19; v. 247; p. 703.
Beams, Construction for. W. I. Tuttle. No. 1,261,324; Apr. 2; v. 249; p. 95.

Bean-buncher. D. McCarthy. No. 1,264,407; Apr. 30; v. 249; p. 1068.
Bean-cleaner. J. D. Carlson. No. 1,275,385; Aug. 13; v. 253; p. 319.
Bean-cutter. J. J. Pimm. No. 1,279,429; Sept. 17; v. 254; p. 621.
Bean-cutter. K. Tsuruoka. No. 1,252,744; Jan. 8; v. 246; p. 411.
Bean cutter and windrower. T. A. Burgess. No. 1,288,499; Dec. 24; v. 257; p. 662.
Bean-polisher. C. W. Naramor. No. 1,285,322; Nov. 19; v. 256; p. 552.
Bean-separator. M. Merriman. No. 1,256,585; Feb. 19; v. 247; p. 507.
Bean-snipper. F. Wegner. No. 1,257,164; Feb. 19; v. 247; p. 676.
Bean-snipping machine. J. King. No. 1,253,254; Jan. 15; v. 246; p. 589.
Bean-sorter. J. B. Bannon and N. C. Rhodes. No. 1,251,735; Jan. 1; v. 246; p. 88.
Bean-vine cutter. J. Fritsche. No. 1,252.337; Jan. 1; v. 246; p. 257.
Beans and other articles, Machine for snipping. W. Killingsworth. No. 1,256,023; Feb. 12; v. 247; p. 303.
Beans, Apparatus for snipping string-. W. E. Urschel. No. 1,256,492; Feb. 12; v. 247; p. 444.
Beans, &c., Mechanism for feeding string-. W. Killingsworth. No. 1,276,375; Aug. 20; v. 253; p. 625.
Beans, peas, and the like, Cleaning. E. W. Patterson. No. 1,262,554; Apr. 9; v. 249; p. 470.
Beans, Snipping string-. W. E. Urschel. No. 1,256,491; Feb. 12; v. 247; p. 443.
Beard-softener. K. E. E. Ljungstrom. No. 1,264,666; Apr. 30; v. 249; p. 1141.
Beard-softener. K. E. Ljungstrom. No. 1,270,635; June 25; v. 251; p. 787.
Bearing. G. D. Bailey. No. 1,265,871; May 14; v. 250; p. 304.
Bearing. A. J. Brown. No. 1,279,644; Sept. 24; v. 254; p. 705.
Bearing. T. V. Buckwalter. No. 1,264,890; May 7; v. 250; p. 5.
Bearing. F. M. Davis. No. 1,287,254; Dec. 10; v. 257; p. 299.
Bearing. G. M. Eaton. No. 1,287,656; Dec. 17; v. 257; p. 429.
Bearing. P. P. Frazer. No. 1,274,529; Aug. 6; v. 253; p. 55.
Bearing. O. Junggren. No. 1,284,702; Nov. 12; v. 256; p. 356.
Bearing. J. B. Kelly. No. 1,262,208; Apr. 9; v. 249; p. 374.
Bearing. A. M. Laycock. No. 1,280,620; Oct. 1; v. 255; p. 140.
Bearing. M. B. MacNeille. No. 1,277,446; Sept. 3; v. 254; p. 32.
Bearing. M. S. Pereira and C. Silva. No. 1,278,500; Sept. 10; v. 254; p. 341.
Bearing. J. Roedel. No. 1,271,225; July 2; v. 252; p. 134.
Bearing. S. G. Wingquist. No. 1,257,774; Feb. 26; v. 247; p. 890.
Bearing. J. A. Wintroath. No. 1,268,906; June 11; v. 251; p. 255.
Bearing. J. A. Wintroath. No. 1,268,907; June 11; v. 251; p. 255.
Bearing. Adjustable crank-shaft. A. E. Naish. No. 1,289,876; Dec. 31; v. 257; p. 1025.
Bearing. Adjustable pivot-. P. Catucci. No. 1,280,342; Oct. 1; v. 255; p. 64.
Bearing and assembling same, Ball-. G. W. Nordstrum. No. 1,280,075; Sept. 24; v. 254; p. 828.
Bearing and making the same. A. M. Laycock. No. 1,262,681; Apr. 16; v. 249; p. 535.
Bearing. Annular ball-. F. Beemer. No. 1,286,505; Dec. 3; v. 257; p. 80.
Bearing. Annular ball-. W. H. Strom. No. 1,288,269; Dec. 17; v. 257; p. 581.
Bearing. Antifriction-. C. S. Anderson. No. 1,280,621; Oct. 8; v. 255; p. 167.
Bearing. Antifriction-. C. H. Beach. No. 1,255,378; Feb. 5; v. 247; p. 77.
Bearing. Antifriction-. A. M. Cheney. No. 1,287,225; Dec. 10; v. 257; p. 292.
Bearing. Antifriction-. O. W. Hart. No. 1,270,821; July 2; v. 252; p. 18.
Bearing. Antifriction-. L. R. Spencer. No. 1,262,124; Apr. 9; v. 249; p. 349.
Bearing. Antifriction-. J. W. Thropp. No. 1,263,964; Apr. 23; v. 249; p. 913.
Bearing. Automatic adjustable. E. Graf. No. 1,288,562; Dec. 24; v. 257; p. 679.
Bearing. Ball-. C. P. Astrom. No. 1,283,449; Nov. 5; v. 256; p. 3.
Bearing. Ball-. J. E. Bruyn. No. 1,281,205; Oct. 8; v. 255; p. 328.
Bearing. Ball-. A. F. Englerth. No. 1,280,002; Sept. 24; v. 254; p. 808.
Bearing. Ball-. W. Fowler. No. 1,270,400; June 25; v. 251; p. 722.
Bearing. Ball-. K. W. Heyman. No. 1,269,436; June 11; v. 251; p. 401.
Bearing, Ball-. C. H. Miller. No. 1,265,230; May 7; v. 250; p. 99.
Bearing, Ball-. J. L. Morris. No. 1,279,574; Sept. 24; v. 254; p. 685.
Bearing, Ball-. J. Newmann. No. 1,261,154; Apr. 2; v. 249; p. 46.
Bearing, Ball-. J. Newmann. No. 1,266,145; May 14; v. 250; p. 381.
Bearing, Ball-. J. E. Pruyn. No. 1,281,245; Oct. 8; v. 255; p. 338.
Bearing, Ball-. T. G. Rennerfelt. No. 1,269,117; June 11; v. 251; p. 313.
Bearing, Ball-. A. E. Robinson and A. M. Sosa. No. 1,268,153; June 4; v. 251; p. 24.
Bearing, Ball-. P. S. Rydbeck. No. 1,287,761; Dec. 17; v. 257; p. 455.
Bearing, Ball-. A. Spielman. No. 1,261,172; Apr. 2; v. 249; p. 51.
Bearing, Ball-. J. Vorraber. No. 1,284,827; Nov. 12; v. 256; p. 388.
Bearing, Ball-. J. Wilson. No. 1,285,867; Nov. 26; v. 256; p. 730.
Bearing, Ball or roller. B. I. Rydberg. No. 1,273,187; July 23; v. 252; p. 768.
Bearing bit turn-table, Ball-. H. W. Cole. No. 1,285,945; Nov. 26; v. 256; p. 748.
Bearing-block, Adjustable. J. A. Gossett and J. C. Hewitt. No. 1,271,888; July 9; v. 252; p. 350.
Bearing block, Ball-. E. Pratt. No. 1,266,855; May 21; v. 250; p. 607.
Bearing-blocks for equalizing-beams. K. Rushton. No. 1,260,064; Mar. 19; v. 248; p. 682.
Bearing, Bobbin-. W. B. Cargal and W. Tankersley. No. 1,265,995; May 14; v. 250; p. 340.
Bearing, Bolster side. P. K. Aldrich. No. 1,260,993; Mar. 26; v. 248; p. 978.
Bearing-bolt, Adjustable. N. W. Lambert. No. 1,287,350; Dec. 10; v. 257; p. 322.
Bearing-box, Eccentric. W. C. Farnum. No. 1,278,800; Sept. 10; v. 254; p. 422.
Bearing-box-packing device. F. Symanzik. No. 1,288,277; Dec. 17; v. 257; p. 582.
Bearing-casing for valve-stems and similar movable parts. J. L. McKenzie. No. 1,268,591; June 4; v. 251; p. 148.
Bearing, Center-. C. Dietz. No. 1,276,188; Aug. 20; v. 253; p. 573.
Bearing, Center-. O. Hovey and C. W. Chase. No. 1,276,530; Aug. 20; v. 253; p. 668.
Bearing, Combined radial and double thrust ball-. U. Forsberg. No. 1,259,222; Mar. 12; v. 248; p. 406.
Bearing construction for vehicle-wheels, Roller-. W. R. Wilson. No. 1,261,665; Apr. 2; v. 249; p. 191.
Bearing, Crank-case main. C. B. Kirkham. No. 1,283,803; Nov. 5; v. 256; p. 95.
Bearing, Crank-hanger. C. H. Miller. No. 1,288,956; Dec. 24; v. 257; p. 774.
Bearing, Double roller-. J. W. Kummer. No. 1,253,984; Jan. 15; v. 246; p. 799.
Bearing, Double-row ball-. J. Newmann. No. 1,263,594; Apr. 23; v. 249; p. 811.
Bearing, End-thrust. H. B. Keiper. No. 1,269,087; June 11; v. 251; p. 306.
Bearing extractor, Ball-. E. B. Beddard. No. 1,289,611; Dec. 31; v. 257; p. 961.
Bearing for aeronautical motors, Thrust-. C. B. Kirkham. No. 1,287,339; Dec. 10; v. 257; p. 320.
Bearing for axles and the like. C. H. Martin. No. 1,289,220; Dec. 31; v. 257; p. 863.
Bearing for centrifugal separators, Spring-. C. McLeod. No. 1,283,840; Nov. 5; v. 256; p. 106.
Bearing for crank-shafts. H. G. Blumberg. No. 1,282,672; Oct. 22; v. 255; p. 797.
Bearing for disk grinders. J. Miller, Jr. No. 1,272,493; July 16; v. 252; p. 547.
Bearing for extending piston-rods. W. E. Woodard. No. 1,288,355; Dec. 17; v. 257; p. 600.
Bearing for internal-combustion engines, Rotary. F. Wood. No. 1,284,018; Nov. 5; v. 256; p. 151.
Bearing for propeller-shafts. J. J. Courtney. No. 1,267,382; May 28; v. 250; p. 781.
Bearing for propeller-shafts and the like, Water-tight. A. R. Middleton. No. 1,272,834; July 16; v. 252; p. 645.
Bearing for railway-car axles, Side-thrust. W. Hartill-Law. No. 1,254,800; Jan. 29; v. 246; p. 1086.
Bearing for reciprocating rods. G. T. Huber. No. 1,254,227; Jan. 22; v. 246; p. 889.
Bearing for shafts, Spherical. A. Sharp. No. 1,288,707; Dec. 24; v. 257; p. 715.
Bearing for tapping-machines. P. Mueller and A. C. Schuermann. No. 1,280,813; Oct. 8; v. 255; p. 220.
Bearing for walking-beams, Temper-screw. C. M. Heeter. No. 1,280,025; Sept. 24; v. 254; p. 815.
Bearing, Gravity-roller side. G. A. Johnson. No. 1,273,867; July 30; v. 252; p. 988.
Bearing, Hydraulic thrust-. A. D. Iskols. No. 1,268,575; June 4; v. 251; p. 144.
Bearing-indicator. J. Ebel. No. 1,260,996; Mar. 26; v. 248; p. 979.
Bearing jack, Ball-. W. A. Whitney. No. 1,272,589; July 16; v. 252; p. 574.

Bearing knuckle for automobile front axles, Ball-. J. Webb and F. M. Collins. No. 1,267,150; May 21; v. 250; p. 691.
Bearing, Lateral-motion. W. E. Wine. No. 1,277,802; Sept. 3; v. 254; p. 131.
Bearing, Lubricating-. O. H. and A. F. Pieper. No. 1,272,518; July 16; v. 252; p. 554.
Bearing-lubricator. C. E. Lozier. No. 1,271,737; July 9; v. 252; p. 309.
Bearing material for sintering, Preparing finely-divided metal-. F. W. Yost. No. 1,263,832; Apr. 23; v. 249; p. 875.
Bearing means, Adjustable self-lubricating. W. G. Royce. No. 1,285,397; Nov. 19; v. 256; p. 571.
Bearing, Multicollar thrust-. H. T. Newbigin. No. 1,289,879; Dec. 31; v. 257; p. 1026.
Bearing, Multiple-row ball-. J. Newmann. No. 1,266,146; May 14; v. 250; p. 382.
Bearing, Packingless. A. R. Clas. No. 1,283,469; Nov. 5; v. 256; p. 8.
Bearing, Power-driven-rock-drill. M. Kellow. No. 1,281,786; Oct. 15; v. 255; p. 515.
Bearing, Radial ball-. J. E. Pruyn. No. 1,281,244; Oct. 8; v. 255; p. 338.
Bearing, Radial-thrust. W. A. Lippincott. No. 1,282,888; Oct. 29; v. 255; p. 883.
Bearing retainer and spacer, Roller-. C. A. Winn. No. 1,261,199; Apr. 2; v. 249; p. 58.
Bearing-rings, &c., Forming grooves in. B. D. Gray and R. F. Runge. No. 1,269,808; June 18; v. 251; p. 537.
Bearing, Rocker side. J. F. O'Connor. No. 1,268,993; June 11; v. 251; p. 279.
Bearing, Roller-. H. C. Clark. No. 1,280,664; Oct. 8; v. 255; p. 178.
Bearing, Roller-. B. W. Fjellman. No. 1,283,713; Nov. 5; v. 256; p. 72.
Bearing, Roller-. B. W. Fjellman. No. 1,283,714; Nov. 5; v. 256; p. 72.
Bearing, Roller-. H. Gallet. No. 1,257,597; Feb. 26; v. 247; p. 839.
Bearing, Roller-. A. Golden. No. 1,285,125; Nov. 19; v. 256; p. 502.
Bearing, Roller-. R. G. Goldman. No. 1,286,288; Dec. 3; v. 257; p. 25.
Bearing, Roller-. R. G. Goldman. No. 1,286,289; Dec. 3; v. 257; p. 25.
Bearing, Roller-. R. G. Goldman. No. 1,286,290; Dec. 3; v. 257; p. 26.
Bearing, Roller-. O. W. Hart. No. 1,258,002; Mar. 5; v. 248; p. 15.
Bearing, Roller-. O. W. Hart. No. 1,262,337; Apr. 9; v. 249; p. 408.
Bearing, Roller-. O. W. Hart. No. 1,262,338; Apr. 9; v. 249; p. 409.
Bearing, Roller-. O. W. Hart. No. 1,270,820; July 2; v. 252; p. 18.
Bearing, Roller-. W. O. Kuhn. No. 1,259,751; Mar. 19; v. 248; p. 589.
Bearing, Roller-. A. M. Laycock. No. 1,263,573; Apr. 23; v. 249; p. 805.
Bearing, Roller-. A. M. Laycock. No. 1,289,827; Dec. 31; v. 257; p. 1013.
Bearing, Roller-. W. H. Makutchan. No. 1,275,715; Aug. 13; v. 253; p. 409.
Bearing, Roller-. E. Meier. No. 1,263,454; Apr. 23; v. 249; p. 774.
Bearing, Roller-. O. E. Michaud. No. 1,269,834; June 18; v. 251; p. 545.
Bearing, Roller-. G. L. Miller. No. 1,282,450; Oct. 22; v. 255; p. 736.
Bearing, Roller-. E. E. Neal. No 1,258,635; Mar. 5; v. 248; p. 201.
Bearing, Roller-. J. A. Perkins. No. 1,254,350; Jan. 22; v. 246; p. 925.
Bearing, Roller-. R. S. Smith. No. 1,286,438; Dec. 3; v. 257; p. 63.
Bearing, Roller-. H. H. Timken. No. 1,288,291; Dec. 17; v. 257; p. 586.
Bearing, Roller-. F. A. Wasson. No. 1,269,235; June 11; v. 251; p. 347.
Bearing, Roller bolster-. P. K. Aldrich. No. 1,270,090; June 18; v. 251; p. 611.
Bearing, Roller side. G. A. Johnson. No. 1,273,868; July 30; v. 252; p. 988.
Bearing, Roller side. W. H. Miner. No. 1,252,358; Jan. 1; v. 246; p. 263.
Bearing, Roller side. J. F. O'Connor. No. 1,253,087; Jan. 8; v. 246; p. 512.
Bearing, Roller side. J. F. O'Connor. No. 1,273,400; July 23; v. 252; p. 824.
Bearing, Roller side. J. F. O'Connor. No. 1,284,753; Nov. 12; v. 256; p. 369.
Bearing, Rudder-post. H. W. Young. No. 1,287,167; Dec. 10; v. 257; p. 277.
Bearing, Self-adjusting. J. E. Dorman. No. 1,256,530; Feb. 19; v. 247; p. 491.
Bearing, Self-lubricating. L. S. Bache. No. 1,266,381; May 14; v. 250; p. 445.
Bearing, Self-oiling. H. J. Hansen. No. 1,271,570; July 9; v. 252; p. 262.
Bearing, Shaft-. G. F. Crippen. No. 1,262,925; Apr. 16; v. 249; p. 604.
Bearing-shell or bearing-box. H. Beusch. No. 1,276,614; Aug. 20; v. 253; p. 692.
Bearing, Side. W. A. Bock. No. 1,283,057; Oct. 29; v. 255; p. 931.
Bearing, Side. J. F. O'Connor. No. 1,252,297; Jan. 1; v. 246; p. 247.
Bearing, Side. J. F. O'Connor. No. 1,256,821; Feb. 19; v. 247; p. 576.
Bearing, Side. H. M. Perry. No. 1,275,732; Aug. 13; v. 253; p. 414.
Bearing submerged in water or other liquids. J. S. Highfield. No. 1,286,630; Dec. 3; v. 257; p. 109.
Bearing-support, Adjustable. M. Axilrod. No. 1,281,269; Oct. 15; v. 255; p. 376.
Bearing, Taper-roller. E. E. Neal. No. 1,258,634; Mar. 5; v. 248; p. 201.
Bearing, Thrust-. H. A. S. Howarth. No. 1,265,334; May 7; v. 250; p. 126.
Bearing, Thrust-. O. Junggren. No. 1,284,701; Nov. 12; v. 256; p. 356.
Bearing, Thrust-. A. Kingsbury. No. 1,260,548; Mar. 26; v. 248; p. 853.
Bearing, Thrust-. A. Kingsbury. No. 1,260,686; Mar. 26; v. 248; p. 895.
Bearing, Thrust-. A. Kingsbury. No. 1,270,622; June 25; v. 251; p. 784.
Bearing, Thrust-. A. Kingsbury. No. 1,289,048; Dec. 24; v. 257; p. 796.
Bearing, Vertical spindle-. P. Catucci. No. 1,263,205; Apr. 16; v. 249; p. 681.
Bearing, Vertically-adjustable side. J. F. O'Connor. No. 1,257,920; Feb. 26; v. 247; p. 933.
Bearing with a single row of balls, Ball-. C. G. Söderlund. No. 1,266,071; May 14; v. 250; p. 361.
Bearing with sectional rolls, Roller-. C. S. Lockwood. No. 1,266,286; May 14; v. 250; p. 420.
Bearings and forming same, Roll-housing for roller-. J. Bingham. No. 1,275,371; Aug. 13; v. 253; p. 315.
Bearings and the like, Work-holding appliance for use in connection with the boring of. J. H. Richards and B. Bellingham. No. 1,284,456; Nov. 12; v. 256; p. 296.
Bearings, Apparatus for assembling ball-. P. Bellard. No. 1,259,346; Mar. 12; v. 248; p. 442.
Bearings, Ball-retainer for ball-. R. W. Lindhé. No. 1,254,332; Jan. 22; v. 246; p. 920.
Bearings, Ball-retainer for radial ball-. P. S. Rydbeck. No. 1,287,447; Dec. 10; v. 257; p. 346.
Bearings, Cage for antifriction-. E. Hottinger. No. 1,252,007; Jan. 1; v. 246; p. 166.
Bearings, Double-pocket cage for roller-. T. V. Buckwalter. No. 1,282,184; Oct. 22; v. 255; p. 664.
Bearings, Dust-guard for. J. H. Moreland. No. 1,258,600; Mar. 5; v. 248; p. 190.
Bearings, Lubricating device of ball-. F. Symanzik. No. 1,288,276; Dec. 17; v. 257; p. 582.
Bearings, Lubricating system for machine-. G. D. Pogue. No. 1,289,903; Dec. 31; v. 257; p. 1032.
Bearings, Method and apparatus for accurately alining. A. A. Martell. No. 1,269,832; June 18; v. 251; p. 544.
Bearings, Race for roller-. C. A. Winn. No. 1,263,011; Apr. 16; v. 249; p. 628.
Bearings, Separating-roller for antifriction-. A. L. Westman. No. 1,289,062; Dec. 24; v. 257; p. 799.
Bearings, Shield for. C. H. J. Dilg. No. 1,269,405; June 11; v. 251; p. 393.
Beater and mixer. G. E. Alexander. No. 1,263,014; Apr. 16; v. 249; p. 630.
Beater-rolls, Regulating device for. A. A. Adams. No. 1,277,350; Sept. 3; v. 254; p. 4.
Beating-engine. B. Buehler. No. 1,271,426; July 2; v. 252; p. 187.
Beating-engine. M. A. Mills. No. 1,272,337; July 16; v. 252; p. 647.
Beating-engine. J. A. Muir. No. 1,269,841; June 18; v. 251; p. 546.
Beating-engines, Roll for. A. J. Allison. No. 1,273,982; July 30; v. 252; p. 1021.
Bed. C. L. Alexander. No. 1,259,194; Mar. 12; v. 248; p. 400.
Bed. C. S. Hoit. No. 1,270,414; June 25; v. 251; p. 725.
Bed. F. Johnson. No. 1,284,356; Nov. 12; v. 256; p. 270.
Bed. N. M. Lagergren. No. 1,273,879; July 30; v. 252; p. 991.
Bed. I. McIntyre. No. 1,259,650; Mar. 19; v. 248; p. 559.
Bed. E. M. Nakazawa. No. 1,266,039; May 14; v. 250; p. 351.
Bed. J. H. Wittmann. No. 1,278,277; Sept. 10; v. 254; p. 283.
Bed, Adjustable. J. Rust. No. 1,265,253; May 7; v. 250; p. 105.
Bed, Adjustable. I. Sinjem. No. 1,269,868; June 18; v. 251; p. 554.
Bed and chair, Combined invalid. E. H. Smith. No. 1,283,578; Nov. 5; v. 256; p. 36.
Bed and couch spring. A. S. Meadoff. No. 1,261,258; Apr. 2; v. 249; p. 75.
Bed and davenport-bed, Sofa-. S. Karpen. No. 1,257,005; Feb. 19; v. 247; p. 631.
Bed and exerciser, Combined child's. A. L. Peck. No. 1,284,438; Nov. 12; v. 256; p. 292.

Bed and locking means therefor, Adjustable. W. J. Curtis. No. 1,277,198; Aug. 27; v. 253; p. 885.
Bed and seat, Combined. J. D. Bell. (Reissue.) No. 14,549; Nov. 12; v. 256; p. 423.
Bed and swing, Convertible child's. J. A. Eberle. No. 1,282,554; Oct. 22; v. 255; p. 764.
Bed attachment. J. A. Paige. No. 1,262,086; Apr. 9; v. 249; p. 338.
Bed attachment, Hospital-. P. Rasch. No. 1,255,636; Feb. 5; v. 247; p. 151.
Bed, Auto-. S. Miller. No. 1,276,095; Aug. 20; v. 253; p. 546.
Bed-bottom. H. O. Ersin. No. 1,270,608; June 25; v. 251; p. 780.
Bed-bottom. F. G. Gale. No. 1,284,087; Nov. 5; v. 256; p. 171.
Bed-bottom corner-bracket. W. B. Anderson. No. 1,266,755; May 21; v. 250; p. 581.
Bed-bottom fabric. F. G. Gale and R. O. Hopkinson. No. 1,283,722; Nov. 5; v. 256; p. 74.
Bed-bottom, Spring. P. I. Langlykke. No. 1,279,715; Sept. 24; v. 254; p. 726.
Bed-bottom support. A. Wheatley. No. 1,255,675; Feb. 5; v. 247; p. 163.
Bed-bottom, Wire-fabric. R. Bradshaw. No. 1,266,549; May 21; v. 250; p. 521.
Bed-brace, Third-rail fifth-leg. T. M. Morphis. No. 1,253,625; Jan. 15; v. 246; p. 698.
Bed, chair, and table, Convertible. J. Tomaszewski. No. 1,259,932; Mar. 19; v. 248; p. 643.
Bed, Child's. D. E. Myers. No. 1,267,260; May 21; v. 250; p. 720.
Bed, Collapsible. J. Choma. No. 1,262,751; Apr. 16; v. 249; p. 555.
Bed, Collapsible. J. C. Tandy. No. 1,261,869; Apr. 9; v. 249; p. 280.
Bed, Convertible. T. Bloom. No. 1,285,909; Nov. 26; v. 256; p. 740.
Bed, Convertible. H. A. Kean and W. Arnold. No. 1,259,022; Mar. 12; v. 248; p. 351.
Bed, Convertible. A. C. Taylor. No. 1,289,959; Dec. 31; v. 257; p. 1046.
Bed, Convertible baby-. J. S. Lyon. No. 1,273,638; July 23; v. 252; p. 888.
Bed corner-iron. C. F. Streit. No. 1,269,977; June 18; v. 251; p. 581.
Bed, Cot-. N. Kaplan. No. 1,280,042; Sept. 24; v. 254; p. 819.
Bed, Couch-. A. Schrenkeisen. No. 1,271,952; July 9; v. 252; p. 368.
Bed-cover holder. E. Hillman. No. 1,283,184; Oct. 29; v. 255; p. 964.
Bed-cover-securing device. W. L. Powell. No. 1,264,855; Apr. 30; v. 249; p. 1190.
Bed cover, Spring-. J. Roever. No. 1,267,593; May 28; v. 250; p. 840.
Bed, Davenport-. G. A. Smith. No. 1,287,486; Dec. 10; v. 257; p. 354.
Bed-davenport. S. Usievich. No. 1,260,485; Mar. 26; v. 248; p. 834.
Bed-davenport. S. Usievich. No. 1,260,600; Mar. 26; v. 248; p. 869.
Bed-davenport. T. G. Weyer. No. 1,269,766; June 18; v. 251; p. 525.
Bed davenport or couch. S. Goldstein. No. 1,267,399; May 28; v. 250; p. 786.
Bed, Davenport sofa-. J. Luppino. No. 1,269,830; June 18; v. 251; p. 543.
Bed, Disappearing. C. J. Wells. No. 1,271,814; July 9; v. 252; p. 328.
Bed, Extensible. N. Sinclair. No. 1,287,120; Dec. 10; v. 257; p. 266.
Bed fabric. C. B. Fraley and H. Steines. No. 1,263,659; Apr. 23; v. 249; p. 829.
Bed, Field-. J. Drexler. No. 1,257,984; Mar. 5; v. 248; p. 10.
Bed, Foldable. F. Zaremba. No. 1,270,358; June 25; v. 251; p. 710.
Bed, Foldable tent-. W. E. Marsh. No. 1,270,249; June 18; v. 251; p. 654.
Bed, Folding. J. Basile. No. 1,259,825; Mar. 19; v. 248; p. 610.
Bed, Folding. J. Basile. No. 1,278,568; Sept. 10; v. 254; p. 359.
Bed, Folding. J. C. Beach. No. 1,267,045; May 21; v. 250; p. 661.
Bed, Folding. A. B. Cook. No. 1,257,813; Feb. 26; v. 247; p. 902.
Bed, Folding. M. Cox. No. 1,255,710; Feb. 5; v. 247; p. 172.
Bed, Folding. M. Cox. No. 1,263,212; Apr. 16; v. 249; p. 686.
Bed, Folding. H. E. Darling. No. 1,278,604; Sept. 10; v. 254; p. 369.
Bed, Folding. J. A. Dewey. No. 1,252,789; Jan. 8; v. 246; p. 423.
Bed, Folding. M. J. Foyer. No. 1,285,664; Nov. 26; v. 256; p. 677.
Bed, Folding. J. E. Hasson. No. 1,283,169; Oct. 29; v. 255; p. 960.
Bed, Folding. C. F. Imm. No. 1,264,301; Apr. 30; v. 249; p. 1039.
Bed, Folding. C. R. Klok. No. 1,253,390; Jan. 15; v. 246; p. 631.
Bed, Folding. C. R. Klok. No. 1,253,391; Jan. 15; v. 246; p. 632.
Bed, Folding. C. R. Klok. No. 1,253,392; Jan. 15; v. 246; p. 632.
Bed, Folding. C. R. Klok. No. 1,270,528; June 25; v. 251; p. 757.
Bed, Folding. C. R. Klok. No. 1,279,125; Sept. 17; v. 254; p. 538.
Bed, Folding. J. Kozatek. No. 1,252,351; Jan. 1; v. 246; p. 261.
Bed, Folding. G. E. Le Clair. No. 1,257,499; Feb. 26; v. 247; p. 810.
Bed, Folding. S. A. Miller. No. 1,276,094; Aug. 20; v. 253; p. 546.
Bed, Folding. F. M. Moberg. No. 1,285,309; Nov. 19; v. 256; p. 549.
Bed, Folding. R. B. Page. No. 1,253,872; Jan. 15; v. 246; p. 769.
Bed, Folding. J. B. Purvis. No. 1,264,879; Apr. 30; v. 249; p. 1197.
Bed, Folding. J. S. and E. W. Young. No. 1,273,978; July 30; v. 252; p. 1020.
Bed, Folding hospital-. J. B. McCraney. No. 1,289,844; Dec. 31; v. 257; p. 1017.
Bed, Folding twin. C. B. Malchow. No. 1,251,799; Jan. 1; v. 246; p. 108.
Bed-frame, Collapsible. G. L. Harpham. No. 1,259,732; Mar. 19; v. 248; p. 583.
Bed, Fresh-air. O. S. Vancamp. No. 1,251,846; Jan. 1; v. 246; p. 122.
Bed, Hay-. L. Budde. No. 1,275,840; Aug. 13; v. 253; p. 444.
Bed, Hospital-. J. E. Fazakerley. No. 1,257,072; Feb. 19; v. 247; p. 649.
Bed, Hospital-. E. Hollowell. No. 1,266,268; May 14; v. 250; p. 415.
Bed, Invalid-. T. Dodds. No. 1,276,885; Aug. 27; v. 253; p. 800.
Bed, Invalid's. V. H. Byrd. No. 1,274,851; Aug. 6; v. 253; p. 146.
Bed, Invalid's. R. E. Needham. No. 1,270,192; June 18; v. 251; p. 639.
Bed-leg. L. L. Schellinger. No. 1,265,257; May 7; v. 250; p. 106.
Bed-motion. E. F. Dudley. No. 1,284,183; Nov. 5; v. 256; p. 196.
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Bed, Obstetrical. M. T. MacEachern. No. 1,280,792; Oct. 8; v. 255; p. 214.
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Bed or crib, Metal. K. M. Whitcomb and C. B. Briggs. No. 1,289,988; Dec. 31; v. 257; p. 1052.
Bed or sofa-bed, Couch-. S. Karpen and C. Hultgren. No. 1,256,325; Feb. 12; v. 247; p. 395.
Bed, Outdoor. A. E. Gosso. No. 1,268,113; June 4; v. 251; p. 13.
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Bed, Portable folding. J. L. Woodruff. No. 1,289,345; Dec. 31; v. 257; p. 895.
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Bed-rail. F. N. Martin. No. 1,259,764; Mar. 19; v. 248; p. 592.
Bed-rail-attaching device. A. E. Spiegel. No. 1,274,802; Aug. 6; v. 253; p. 131.
Bed-reciprocating mechanism. H. Pearce and F. Spence. No. 1,256,252; Feb. 12; v. 247; p. 373.
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Bed-reciprocating mechanism. H. Pearce and F. Spence. No. 1,287,090; Dec. 10; v. 257; p. 257.
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Bed-spring tightener. D. W. Kline. No. 1,278,681; Sept. 10; v. 254; p. 391.
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Beds and the like, Spring-bottom for. C. Vallone. No. 1,261,655; Apr. 2; v. 249; p. 188.
Beds, Combined corner-plate and spring-support for. A. Ballenberg. No. 1,271,116; July 2; v. 252; p. 102.
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Bedding-roll, Camp. J. N. Waugh. No. 1,263,825; Apr. 23; v. 249; p. 873.
Bedstead. A. Ballenberg. No. 1,287,824; Dec. 17; v. 257; 472.
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Bedstead. A. S. Garman. No. 1,258,556; Mar. 5; v. 248; p. 178.
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Beehive. G. Fleming. No. 1,270,507; June 25; v. 251; p. 752.
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Beehive. E. E. Schumaker. No. 1,284,791; Nov. 12; v. 256; p. 378.
Beeswax and manufacturing the same, Product of. K. J. Holliday. No. 1,264,186; Apr. 30; v. 249; p. 1006.
Beer, Brewing. L. Nathan. No. 1,280,280; Oct. 1; v. 255; p. 46.
Beer, Manufacture of non-alcoholic malt. L. Block. No. 1,271,269; July 2; v. 252; p. 146.
Beer, Method and apparatus for cooling. T. R. Beggs. No. 1,289,364; Dec. 31; v. 257; p. 899.
Beet-conveying mechanism. J. A. Fanger. No. 1,282,205; Oct. 22; v. 255; p. 669.
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Beet-harvesters. Rear auger adjustment for. J. D. Fanger. No. 1,273,757; July 23; v. 252; p. 919.
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Beet puller and topper. W. J. Campbell. No. 1,279,251; Sept. 17; v. 254; p. 572.
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Beet-topper. R. E. Dewart. No. 1,253,358; Jan. 15; v. 246; p. 621.
Beet-topper. R. E. Dewart. No. 1,254,004; Jan. 15; v. 246; p. 805.
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Beet-topper. J. R. Schmitt. No. 1,288,224; Dec. 17; v. 257; p. 570.
Beet-topper. C. S. Swaim and C. Corum. No. 1,282,313; Oct. 22; v. 255; p. 698.
Beet topper, digger, and loader. P. Steil. No. 1,251,589; Jan. 1; v. 246; p. 43.
Beet topping and harvesting machine. S. C. Tussing. No. 1,282,657; Oct. 22; v. 255; p. 793.
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Beet-topping machine. K. A. J. Andersen. No. 1,266,378; May 14; v. 250; p. 444.
Beet-topping machine. W. M. Pulver and L. P. Vernon. No. 1,258,456; Mar. 5; v. 248; p. 148.
Beet-topping machine. W. A. Rush. No. 1,258,818; Mar. 12; v. 248; p. 291.
Beet-topping machine. K. Sato. No. 1,260,715; Mar. 26; v. 248; p. 903.
Beet-topping mechanism. J. D. Fanger. No. 1,273,756; July 23; v. 252; p. 918.
Beets, Preserving. F. H. Bryant. No. 1,273,732; July 23; v. 252; p. 912.
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Bell, Diving-. A. Ceretti. No. 1,257,809; Feb. 26; v. 247; p. 901.
Bell, Electric. J. F. Rodgers. No. 1,289,549; Dec. 31; v. 257; p. 945.
Bell, Electric. C. J. Schwarze. No. 1,265,393; May 7; v. 250; p. 143.
Bell, Electric. D. G. Williams. No. 1,283,388; Oct. 29; v. 255; p. 1018.
Bell, Flash-lighter. F. J. Leyrer and W. C. Ranscht. No. 1,259,535; Mar. 19; v. 248; p. 528.
Bell-nipple. P. C. Titus and W. C. Borough. No. 1,258,273; Mar. 5; v. 248; p. 94.
Bell-ringing apparatus. J. M. Dupont. No. 1.283,481; Nov. 5; v. 256; p. 12.
Bell-toller. T. J. Lokometzki. No. 1,257,368; Feb. 26; v. 247; p. 770.
Bell, Turbo end. R. E. Gilman. No. 1,272,420; July 16; v. 252; p. 527.
Belt. J. R. Blanton. No. 1,260,307; Mar. 26; v. 248; p. 782.
Belt. H. Kida. No. 1,263,564; Apr. 23; v. 249; p. 803.
Belt. H. M. Lambert. No. 1,287,703; Dec. 17; v. 257; p. 440.
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Belt. I. Nelson. No. 1,285,325; Nov. 19; v. 256; p. 553.
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Belt and making the same, Endless. J. R. Gammeter. No. 1,277,711; Sept. 3; v. 254; p. 105.
Belt and other like carrier, Machine-gun. V. H. Jennings. No. 1,257,241; Feb. 19; v. 247; p. 699.
Belt and suspenders, Combination. F. C. Fane. No. 1,271,554; July 9; v. 252; p. 258.
Belt and the like, Machine-gun. V. H. Jennings. No. 1,283,412; Oct. 29; v. 255; p. 1024.
Belt, Antislip-. P. G. Gardner. No. 1,255,525; Feb. 5; v. 247; p. 119.
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Belt attachment. J. Samuel. No. 1,253,429; Jan. 15; v. 246; p. 644.
Belt, Body-. J. Jacobs. No. 1,282,586; Oct. 22; v. 255; p. 772.
Belt-conveyer carrier. M. A. Kendall. No. 1,284,364; Nov. 12; v. 256; p. 272.
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Belt-cutting machine. T. Horsman. No. 1,254,806; Jan. 29; v. 246; p. 1087.
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Belt. Driving-. R. P. Champney. No. 1,282,189; Oct. 22; v. 255; p. 665.
Belt. Elastic. H. Leonard. No. 1,264,193; Apr. 30; v. 249; p. 1008.
Belt-elevator safety stopping device. E. P. Churchill. No. 1,288,510; Dec. 24; v. 257; p. 665.
Belt end, Apparel-. B. Cohen. No. 1,287,638; Dec. 17; v. 257; p. 423.
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Belt-fastener. C. A. J. Ginaca. No. 1,268,451; June 4; v. 251; p. 109.
Belt-fastener. H. L. Hathaway. No. 1,259,735; Mar. 19; v. 248; p. 583.
Belt-fastener. P. Hoffmann, Jr. No. 1,263,670; Apr. 23; v. 249; p. 832.
Belt-fastener. C. A. Johnson. No. 1,282,845; Oct. 29; v. 255; p. 872.
Belt-fastener. S. Krzyworzycki. No. 1,267,325; May 21; v. 250; p. 737.
Belt-fastener. E. G. Ritchie. No. 1,261,166; Apr. 2; v. 249; p. 49.
Belt-fastener. E. Seavey. No. 1,275,772; Aug. 13; v. 253; p. 425.
Belt-fastener. G. W. and J. A. Webb. No. 1,258,281; Mar. 5; v. 248; p. 96.
Belt-fasteners, Holder for wire-staple. J. Yetton and W. E. Brockett. No. 1,257,061; Feb. 19; v. 247; p. 647.
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Belt for transmission of power. E. C. Smith. No. 1,275,621; Aug. 13; v. 253; p. 383.
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Belt-guide. F. B. Dickinson. No. 1,280,682; Oct. 8; v. 255; p. 183.
Belt hinge-fastener. J. Millar. No. 1,283,442; Oct. 29; v. 255; p. 1031.
Belt-hook-fastening machine. A. Vanderveld. No. 1,254,948; Jan. 29; v. 246; p. 1130.
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Belt, Life-. A. Rein. No. 1,284,773; Nov. 12; v. 256; p. 374.
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Belt or chain, Link. S. J. Bens. No. 1,259,716; Mar. 19; v. 248; p. 578.
Belt, Power-transmission. O. E. Geisel. No. 1,255,594; Feb. 5; v. 247; p. 139.
Belt-sanding machine. H. M. Docter, Sr. No. 1,286,560; Dec. 3; v. 257; p. 92.
Belt, Sanitary. H. Bolger. No. 1,285,913; Nov. 26; v. 256; p. 741.
Belt-shifter. B. Jezowski. No. 1,260,677; Mar. 26; v. 248; p. 892.
Belt shifter and guard, Combined. J. B. Hadaway. No. 1,261,517; Apr. 2; v. 249; p. 149.
Belt shifter and rest. J. E. Stagl. No. 1,284,941; Nov. 12; v. 256; p. 418.
Belt-shifter for change-speed mechanism. J. Yocom. No. 1,256,418; Feb. 12; v. 247; p. 423.
Belt-shifting apparatus. C. A. Widmer. No. 1,288,338; Dec. 17; v. 257; p. 596.
Belt-shifting apparatus. C. A. Widmer. No. 1,288,339; Dec. 17; v. 257; p. 596.
Belt-shifting mechanism. J. S. Bancroft and M. C. Indahl. No. 1,283,625; Nov. 5; v. 256; p. 49.
Belt-shifting mechanism. G. H. Knight. No. 1,252,350; Jan. 1; v. 246; p. 261.
Belt-slide. E. C. Chesney. No. 1,259,079; Mar. 12; v. 248; p. 367.
Belt-stiffener. L. Mauzy. No. 1,281,626; Oct. 15; v. 255; p. 472.
Belt stretching and coiling apparatus. W. H. Bradshaw. No. 1,258,649; Mar. 12; v. 248; p. 243.
Belt tab and belt-loop for trousers, Combined suspender-. A. Leighton. No. 1,256,580; Feb. 19; v. 247; p. 505.
Belt-tensioning means for drive mechanism, Automatic. J. W. Fitz Gerald. No. 1,254,320; Jan. 22; v. 246; p. 917.
Belt-tightener. A. J. Adamek. No. 1,272,350; July 16; v. 252; p. 509.
Belt-tightener. G. L. Davis. No. 1,282,198; Oct. 22; v. 255; p. 668.
Belt-tightener. C. B. Yoder. No. 1,286,482; Dec. 3; v. 257; p. 75.
Belts, Device for joining the ends of. J. K. Diamond. No. 1,257,954; Feb. 26; v. 247; p. 942.
Belts, Joining woven. O. E. Geisel. No. 1,261,118; Apr. 2; v. 249; p. 36.
Belts, Making. F. E. Clark. No. 1,286,229; Dec. 3; v. 257; p. 12.
Belts, Manufacturing endless driving-. T. Sloper. No. 1,271,785; July 9; v. 252; p. 320.
Belts, Stretching and coiling. W. H. Bradshaw. No. 1,258,648; Mar. 12; v. 248; p. 243.
Belter. R. R. Way and T. F. Mason. No. 1,273,701; July 23; v. 252; p. 904.
Belting. A. M. Grean. No. 1,280,716; Oct. 8; v. 255; p. 192.
Belting. A. M. Grean. No. 1,280,986; Oct. 8; v. 255; p. 265.
Belting. A. M. Grean. No. 1,281,154; Oct. 8; v. 255; p. 313.
Belting and making the same. B. T. String. No. 1,279,036; Sept. 17; v. 254; p. 516.
Belting, Magnetic. P. L. Weston. No. 1,263,300; Apr. 16; v. 249; p. 708.
Belting web, Making elastic body-. J. Jacobs. No. 1,288,601; Dec. 24; v. 257; p. 688.
Bench: *See*—
Carpenter's work-bench.
Convertible bench.
Folding bench.
Laundry-bench.
Piano-bench.
Pipe-vise bench.
School-bench.
Soldier's bench.
Work-bench.
Working-bench.
Bench-block. H. Rothen. No. 1,280,854; Oct. 8; v. 255; p. 232.
Bench-bracket. W. I. Kirk. No. 1,269,719; June 18; v. 251; p. 512.
Bench-clamp. O. E. Hoskin. No. 1,259,742; Mar. 19; v. 248; p. 585.
Bench-drill. P. E. Douglass. No. 1,254,485; Jan. 22; v. 246; p. 963.
Bench for supporting and measuring bar or tube lengths and for feeding same to cutting-off machines. G. B. Taylor. No. 1,263,148; Apr. 16; v. 249; p. 669.
Bench or seat. S. E. Overton. No. 1,288,974; Dec. 24; v. 257; p. 778.

Alphabetical list of inventions—Continued.

Bench-stop. H. A. Gurries. No. 1,269,703; June 18; v. 251; p. 507.
Bending and cutting machine, Combined. R. McClure and C. Owens. No. 1,272,068; July 9; v. 252; p. 403.
Bending corrugated material. C. E. Martin. No. 1,268,745; June 4; v. 251; p. 190.
Bending-brake. N. Krump. No. 1,283,808; Nov. 5; v. 256; p. 96.
Bending flanged bars, Machine for. A. F. Reichert and J. Pichler. No. 1,287,750; Dec. 17; v. 257; p. 453.
Bending-machine. M. H. Brown. No. 1,252,371; Jan. 1; v. 246; p. 268.
Bending-machine. W. Keely. No. 1,283,794; Nov. 5; v. 256; p. 93.
Bending-machine. J. S. Wheeler. No. 1,263,301; Apr. 16; v. 249; p. 708.
Bending-machine. C. M. Yoder. No. 1,264,248; Apr. 30; v. 249; p. 1024.
Bending-machine. C. M. Yoder. No. 1,277,525; Sept. 3; v. 254; p. 53.
Benzaldehyde, Making. M. E. Putnam. No. 1,272,522; July 16; v. 252; p. 555.
Benzene, Producing 1:2;4-methyl-hydroxy-isopropyl. R. H. McKee. No. 1,265,800; May 14; v. 250; p. 284.
Benzene sulfonic acid and alkali benzene sulfonate, Production of. J. W. Aylsworth. No. 1,260,852; Mar. 26; v. 248; p. 941.
Benzol homologues, Classifying apparatus for use in the distillation of. F. Tschuby. No. 1,282,324; Oct. 22; v. 255; p. 702.
Benzol, Purifying crude. H. B. Kipper. No. 1,253,048; Jan. 8; v. 246; p. 500.
Berry-gathering apparatus. H. Borstad. No. 1,276,320; Aug. 20; v. 253; p. 608.
Berry-picker. J. A. Kaye. No. 1,283,526; Nov. 5; v. 256; p. 23.
Berry-picker. T. H. Kruse. No. 1,269,091; June 11; v. 251; p. 307.
Berry-picker. J. F. Le Baron. No. 1,278,175; Sept. 10; v. 254; p. 254.
Berths, Draft-reflector for ventilating-screens of sleeping-. W. M. Sparkman. No. 1,264,704; Apr. 30; v. 249; p. 1151.
Beta-naphthol benzoate, Making. G. Blieberger. No. 1,254,970; Jan. 29; v. 246; p. 1135.
Betaaminoanthraquinone, Manufacture of. P. Dutoit, No. 1,255,719; Feb. 5; v. 247; p. 175.
Bevel-gear. E. H. Wingqvist. No. 1,285,870; Nov. 26; v. 256; p. 731.
Bevel-gear generator. G. D. Sundstrand. No. 1,268,512; June 4; v. 251; p. 126.
Bevel-gearing, Changeable-speed. G. I. Gargett. No. 1,269,531; June 11; v. 251; p. 426.
Bevel-protractor. F. Syjud. No. 1,278,251; Sept. 10; v. 254; p. 276.
Bevel-protractor, Combined. W. R. Shaver. No. 1,269,324; June 11; v. 251; p. 372.
Bevel, square, and saw, Combination. C. E. Larson. No. 1,277,433; Sept. 3; v. 254; p. 29.
Beveling-machine. M. Siedlecki. No. 1,285,434; Nov. 19; v. 256; p. 581.
Beverage. A. Brodsky. No. 1,280,150; Oct. 1; v. 255; p. 9.
Beverage and producing the same, Non-alcoholic. A. L. Straus. No. 1,265,275; May 7; v. 250; p. 111.
Beverage-carbonators, Charging-fitting for. I. N. Thomas. No. 1,269,130; June 11; v. 251; p. 317.
Beverage containers, Testing aerated-. J. A. Hoff. No. 1,272,043; July 9; v. 252; p. 395.
Beverage-cooler. W. R. Fischer. No. 1,258,101; Mar. 5; v. 248; p. 45.
Beverage-dispensing apparatus. D. Richardson and C. N. Jacoby. No. 1,278,219; Sept. 10; v. 254; p. 266.
Beverage extract. W. H. White. No. 1,276,298; Aug. 20; v. 253; p. 602.
Beverage, Non-alcoholic. A. L. Straus. No. 1,265,274; May 7; v. 250; p. 111.
Beverage, Non-alcoholic carbonated. W. J. Eisenbeiss. No. 1,262,472; Apr. 9; v. 249; p. 446.
Beverage-server. J. H. Mallon. No. 1,278,703; Sept. 10; v. 254; p. 398.
Beverages and the like, Carbonator for. H. M. Smith. No. 1,258,369; Mar. 5; v. 248; p. 121.
Beverages, Apparatus for making alcohol-reduced. H. Heuser. No. 1,277,931; Sept. 3; v. 254; p. 165.
Beverages, Carbonating. M. V. Ritchey. No. 1,261,294; Apr. 2; v. 249; p. 86.
Beverages, extracts, and emulsions from nuts, fruits, seeds, &c., Device for making. L. Long. No. 1,281,984; Oct. 15; v. 255; p. 568.
Beverages in receptacles, Filling carbonated. H. M. Smith. No 1,275,622; Aug. 13; v. 253; p. 383.
Beverages, Manufacture of dry extracts of partly-fermented. H. Heuser. No. 1,275,254; Aug. 13; v. 253; p. 282.
Beverages, Preparing minim-alcoholic. E. Gudeman. No. 1,256,894; Feb. 19; v. 247; p. 598.
Beverages, Stabilizing temperance cereal. C. S. Ash. No. 1,271,991; July 9; v. 252; p. 381.
Bib. E. Dalton. No. 1,284,252; Nov. 12; v. 256; p. 242.
Bibs, Attaching means for. J. Hochberger. No. 1,273,859; July 30; v. 252; p. 985.

Bicycle. J. Wagner. No. 1,264,231; Apr. 30; v. 249; p. 1019.
Bicycle. M. Wakulenko. No. 1,283,377; Oct. 29; v. 255; p. 1015.
Bicycle coaster-brake. A. S. Hruska. No. 1,281,378; Oct. 15; v. 255; p. 407.
Bicycle flash-light bracket. W. H. Ritchie. No. 1,277,479; Sept. 3; v. 254; p. 40.
Bicycle, Folding. J. L. Starkenberg. No. 1,287,130; Dec. 10; v. 257; p. 268.
Bicycle-handle-bar grip, Detachable. A. Bowers. No. 1,258,647; Mar. 12; v. 248; p. 243.
Bicycle-hanger. F. M. Jones. No. 1,251,783; Jan. 1; v. 246; p. 102.
Bicycle-lock. A. B. Burger. No. 1,270,690; June 25; v. 251; p. 801.
Bicycle, Motor-driven. L. J. Johnson. No. 1,257,711; Feb. 26; v. 247; p. 872.
Bicycle or tricycle. J. A. Myers. No. 1,258,431; Mar. 5; v. 248; p. 141.
Bicycle-sled. F. X. Frank. No. 1,268,229; June 4; v. 251; p. 45.
Bicycle, Sled-. J. Kostewich. No. 1,281,980; Oct. 15; v. 255; p. 567.
Bicycle-trailer. E. P. Cousino. No. 1,263,381; Apr. 23; v. 249; p. 752.
Bicycles and motor-cycles, Handle-bar and universal control for. C. Lejeune-Saconney and T. Testu. No. 1,269,101; June 11; v. 251; p. 309.
Bicycles and motor-cycles, Top for. I. Shmelstein. No. 1,254,858; Jan. 29; v. 246; p. 1104.
Bicycles and the like, Means for propelling. C. A. Neracher. No. 1,269,558; June 11; v. 251; p. 433.
Bicycles, Back-pedaling change-speed gear applicable to. L. Veyret. No. 1,275,505; Aug. 13; v. 253; p. 350.
Bicycles, Grip control for motorized. A. Magner. No. 1,281,043; Oct. 8; v. 255; p. 281.
Bicycles or similar machines, Means for propelling. R. N. Burgedorff. No. 1,269,681; June 18; v. 251; p. 501.
Bicycles, Paper-rack for. R. E. Hill. No. 1,280,030; Sept. 24; v. 254; p. 816.
Bicycles, Railway attachment for. A. Rea. No. 1,254,434; Jan. 22; v. 246; p. 948.
Bifocal device. J. W. Smith. No. 1,263,713; Apr. 23; v. 249; p. 843.
Bill-form. D. M. Henning. No. 1,272,258; July 9; v. 252; p. 456.
Billiard and other game table. C. Weslow. No. 1,259,694; Mar. 19; v. 248; p. 571.
Billiard and pool table, Collapsible. H. F. Lapp. No. 1,269,614; June 18; v. 251; p. 483.
Billiard-ball. J. P. Lambert. No. 1,286,657; Dec. 3; v. 257; p. 115.
Billiard-balls, Rack and safe for racking and safe-keeping. W. Conama and C. A. Vaughan. No. 1,284,600; Nov. 12; v. 256; p. 330.
Billiard-cue. A. F. McDade. No. 1,282,096; Oct. 22; v. 255; p. 639.
Billiard-cue. C. Seeman. No. 1,280,876; Oct. 8; v. 255; p. 238.
Billiard-cue. J. Straka. No. 1,257,420; Feb. 26; v. 247; p. 784.
Billiard-cue. F. W. Voje. No. 1,252,632; Jan. 8; v. 246; p. 379.
Billiard-cue splice. E. Campbell. No. 1,287,215; Dec. 10; v. 257; p. 290.
Billiard-cue tip. J. Koch and D. Guaglianome. No. 1,257,249; Feb. 19; v. 247; p. 701.
Billiard-cue tip. J. Permutter. No. 1,274,765; Aug. 6; v. 253; p. 121.
Billiard-cue-tip holder. W. H. Finney. No. 1,260,173; Mar. 19; v. 248; p. 709.
Billiard-cue tips, Device for dressing. G. L. Rogers. No. 1,259,136; Mar. 12; v. 248; p. 385.
Billiard-cue tips, Means for securing. W. Richardson. No. 1,274,599; Aug. 6; v. 253; p. 74.
Billiard-cues and the like, Tip-forming device for. C. D. McCarthy. No. 1,279,734; Sept. 24; v. 254; p. 731.
Billiard-tables, Chalking device for. Z. C. Bianchi. No. 1,270,775; July 2; v. 252; p. 6.
Bin: *See*—
Grain-bin. Sheet-metal bin.
Rocking bin. Storage-bin.
Bin. F. Tuckerman. No. 1,282,325; Oct. 22; v. 255; p. 702.
Bin for holding flour, sugar, and the like. J. Fraser. No. 1,253,581; Jan. 15; v. 246; p. 686.
Bin-ventilator. M. Rourke. No. 1,272,536; July 16; v. 252; p. 559.
Binder. G. A. Harter. No. 1,261,523; Apr. 2; v. 249; p. 151.
Binder. C. E. Hauser. No. 1,254,224; Jan. 22; v. 246; p. 889.
Binder. H. G. Child. No. 1,267,630; May 28; v. 250; p. 851.
Binder. F. Hruska. No. 1,280,737; Oct. 8; v. 255; p. 198.
Binder and making the same, Bituminous. G. A. Henderson. No. 1,264,932; May 7; v. 250; p. 16.
Binder and securing-joint therefor. H. G. Buchan. No. 1,280,154; Oct. 1; v. 255; p. 10.

Binder attachment. F. J. E. Bolton. No. 1,269,781; June 18; v. 251; p. 529.
Binder attachment. W. F. Kasper. No. 1,275,699; Aug. 13; v. 253; p. 404.
Binder-clip, Filing. L. E. Baltzley. No. 1,256,426; Feb. 12; v. 247; p. 425.
Binder-cutter. F. G. Rottmund. No. 1,277,487; Sept. 3; v. 254; p. 42.
Binder device. R. P. Hixson. No. 1,257,001; Feb. 19; v. 247; p. 630.
Binder device. S. H. Rice. No. 1,278,506; Sept. 10; v. 254; p. 342.
Binder device. S. H. Rice. No. 1,288,991; Dec. 24; v. 257; p. 782.
Binder device. G. P. Wigginton. No. 1,264,240; Apr. 30; v. 249; p. 1022.
Binder device. G. P. Wigginton. No. 1,264,241; Apr. 30; v. 249; p. 1022.
Binder device. G. P. Wigginton. No. 1,266,648; May 21; v. 250; p. 550.
Binder device. G. P. Wigginton. No. 1,267,829; May 28; v. 250; p. 907.
Binder device. G. P. Wigginton. No. 1,267,830; May 28; v. 250; p. 908.
Binder device. G. P. Wigginton. No. 1,267,831; May 28; v. 250; p. 908.
Binder device. G. P. Wigginton. No. 1,270,082; June 18; v. 251; p. 609.
Binder-element-tightening mechanism. C. E. Wise. No. 1,276,302; Aug. 20; v. 253; p. 603.
Binder, Load-. K. Nickmann. No. 1,282,917; Oct. 29; v. 255; p. 891.
Binder, Loose-leaf. W. C. Akans. No. 1,267,038; May 21; v. 250; p. 659.
Binder, Loose-leaf. W. H. Averill. No. 1,275,198; Aug. 13; v. 252; p. 267.
Binder, Loose-leaf. H. B. Bristol. No. 1,253,206; Jan. 15; v. 246; p. 575.
Binder, Loose-leaf. J. Bystrom. No. 1,257,803; Feb. 26; v. 247; p. 899.
Binder, Loose-leaf. J. Bystrom. No. 1,270,246; June 18; v. 251; p. 653.
Binder, Loose-leaf. C. E. Daugherty. No. 1,257,982; Mar. 5; v. 248; p. 10.
Binder, Loose-leaf. H. J. Dobersch. No. 1,279,673; Sept. 24; v. 254; p. 714.
Binder, Loose-leaf. W. H. Edwards. No. 1,256,668; Feb. 19; v. 247; p. 531.
Binder, Loose-leaf. A. Martin. No. 1,269,479; June 11; v. 251; p. 413.
Binder, Loose-leaf. H. C. Miller. No. 1,286,709; Dec. 3; v. 257; p. 126.
Binder, Loose-leaf. H. C. Miller. No. 1,288,957; Dec. 24; v. 257; p. 774.
Binder, Loose-leaf. W. S. Proudfit. No. 1,256,728; Feb. 19; v. 247; p. 548.
Binder, Loose-leaf. W. S. Proudfit and W. H. Edwards. No. 1,262,840; Apr. 16; v. 249; p. 580.
Binder, Loose-leaf. A. Rubin. No. 1,271,227; July 2; v. 252; p. 135.
Binder, Loose-leaf. A. Rubin. No. 1,271,228; July 2; v. 252; p. 135.
Binder, Loose-leaf. J. Schade. No. 1,253,430; Jan. 15; v. 246; p. 644.
Binder, Loose-leaf. J. Schade. No. 1,266,997; May 21; v. 250; p. 647.
Binder, Loose-leaf. J. Schade. No. 1,270,974; July 2; v. 252; p. 63.
Binder, Loose-leaf. J. Schade. No. 1,270,975; July 2; v. 252; p. 64.
Binder, Temporary. T. R. Eddy. No. 1,289,133; Dec. 31; v. 257; p. 842.
Binder, Temporary. L. C. Laurent. No. 1,271,484; July 2; v. 252; p. 203.
Binder, Temporary. G. P. Wigginton. No. 1,258,383; Mar. 5; v. 248; p. 125.
Binder, Temporary or loose-leaf. E. H. Fischer. No. 1,282,060; Oct. 22; v. 255; p. 629.
Binders, Break-detector for. B. Niles. No. 1,288,654; Dec. 24; v. 257; p. 702.
Binders, Butter for grain-. W. L. Hendricks. No. 1,285,166; Nov. 19; v. 256; p. 513.
Binders, Casing for loose-leaf. W. H. Edwards. No. 1,288,537; Dec. 24; v. 257; p. 673.
Binders, Filing-rack for loose-leaf. J. F. Barbour. No. 1,286,912; Dec. 10; v. 257; p. 212.
Binders, Grain-saving attachment for. W. S. Steele. No. 1,272,140; July 9; v. 252; p. 424.
Binders, Header attachment for. J. M. Burke. No. 1,271,427; July 2; v. 252; p. 187.
Binders into headers, Attachment for converting. H. Christensen. No. 1,261,702; Apr. 2; v. 249; p. 201.
Binders, Shocker attachment for. D. A. Haas. No. 1,272,426; July 16; v. 252; p. 529.
Binders, Stooking attachment for. T. J. Campbell. No. 1,264,154; Apr. 30; v. 249; p. 996.
Binders, Tractor attachment for. J. B. De Wolf. No. 1,258,660; Mar. 12; v. 248; p. 247.
Binding-forming machine. A. F. Preston. No. 1,262,092; Apr. 9; v. 249; p. 339.
Binding machine, Loose-leaf-. H. M. Crippen. No. 1,255,112; Jan. 29; v. 246; p. 1174.
Binding material to receptacles, Portable hand-tool for applying. C. E. Wise. No. 1,276,301; Aug. 20; v. 253; p. 603.
Binding-post. F. P. Mansbendel. No. 1,264,833; Apr. 30; v. 249; p. 1184.
Binding-terminal. R. B. Benjamin. No. 1,282,525; Oct. 22; v. 255; p. 756.
Bindings, Transfer for loose-leaf. C. F. Kindt. No. 1,276,931; Aug. 27; v. 253; p. 812.
Bird box or house. C. A. Perkins. No. 1,258,703; Mar. 12; v. 248; p. 258.
Bird-trap. O. P. Barker. No. 1,262,160; Apr. 9; v. 249; p. 300.
Biscuit-stripping mechanism. W. E. Lowell. No. 1,279,563; Sept. 24; v. 254; p. 682.
Biscuit type, Marking articles of the shredded-cereal-. W. E. Williams. No. 1,263,009; Apr. 16; v. 249; p. 628.
Bismethylaminotetraminoarsenobenzene which are soluble in water, Preparing derivatives of. L. Ach and H. Dieterich. No. 1,265,865; May 14; v. 250; p. 303.
Bit: *See*—
Bridle-bit. Harness-bit.
Drill-bit. Rock-drill bit.
Drilling-bit. Square-hole bit.
Driving-bit.
Bit. J. F. Carpmill. No. 1,267,972; May 28; v. 250; p. 946.
Bit. J. M. Hughes. No. 1,286,008; Nov. 26; v. 256; p. 764.
Bit-brace. E. Cliffgard. No. 1,286,231; Dec. 3; v. 257; p. 12
Bit-brace, Extension-sweep. C. D. Hedden. No. 1,266,802; May 21; v. 250; p. 593.
Bit-stock. J. Marcus. No. 1,272,980; July 16; v. 252; p. 686.
Bit-stock. J. W. Wood. No. 1,260,114; Mar. 19; v. 248; p. 694.
Bituminous binder and making same from coal-tar pitch. G. A. Henderson. No. 1,266,261; May 14; v. 250; p. 413.
Blackboard chalk-rack. A. M. Wilson. No. 1,259,185; Mar. 12; v. 248; p. 398.
Blackboard-cleaner. G. G. Satrum and I. B. Snartemo. No. 1,255,053; Jan. 29; v. 246; p. 1158.
Blackboards, Chalk-trough for. G. S. Knapp. No. 1,279,554; Sept. 24; v. 254; p. 679.
Blacking and polishing appliance. C. S. McPhee. No. 1,286,693; Dec. 3; v. 257; p. 123.
Blacking device, Shoe-. W. E. Elam. (Reissue.) No. 14,484; June 11; v. 251; p. 440.
Blacking-machine. J. W. Aulson. No. 1,270,684; June 25; v. 251; p. 799.
Blacking machine, Shoe-. E. E. Taliaferro. No. 1,261,316; Apr. 2; v. 249; p. 92.
Blacking machine, Shoe-. E. E. Taliaferro. No. 1,266,082; May 14; v. 250; p. 363.
Blade. C. Gilson. No. 1,286,284; Dec. 3; v. 257; p. 24.
Blade construction. C. Gilson. No. 1,284,088; Nov. 5; v. 256; p. 171.
Blade-handling apparatus. W. E. Nickerson. No. 1,255,917; Feb. 12; v. 247; p. 272.
Blade holder, Safety-. A. W. Johnson. No. 1,258,778; Mar. 12; v. 248; p. 280.
Blade-mounting. H. F. Schmidt. No. 1,289,278; Dec. 31; v. 257; p. 878.
Blade propeller, Reversible-. I. B. Fuller. No. 1,288,867; Dec. 24; v. 257; p. 751.
Blade-stropping device. W. E. Nickerson. No. 1,283,872; Nov. 5; v. 256; p. 115.
Blades and the like, Means for attaching and removing detachable. A. R. Barnett. No. 1,261,680; Apr. 2; v. 249; p. 195.
Blades, Shrouding. C. Gilson. No. 1,286,283; Dec. 3; v. 257; p 24.
Blank, Combination policy and report. R. J. A. Weir. No. 1,279,189; Sept. 17; v. 254; p. 556.
Blank-cutting machine. R. C. Simmons. No. 1,275,617; Aug. 13; v. 253; p. 382.
Blank feeding and gumming machine, Automatic. J. D. Reifsnyder, W. A. Weightman, and E. G. Rider. No. 1,282,949; Oct. 29; v. 255; p. 900.
Blank feeding, gumming and wrapping machine, Automatic. J. D. Reifsnyder, W. A. Weightman, and E. G. Rider. No. 1,282,948; Oct. 29; v. 255; p. 900.
Blank-feeding mechanism. W. Cameron. No. 1,283,659; Nov. 5; v. 256; p. 58.
Blank-feeding mechanism. E. W. Conradi. No. 1,278,438; Sept. 10; v. 254; p. 323.
Blank-feeding mechanism. L. C. Palmer. No. 1,259,550; Mar. 19; v. 248; p. 532.
Blank-feeding mechanism. H. L. Smith. No. 1,262,117; Apr. 9; v. 249; p. 347.
Blank-holder. J. F. Standish. No. 1,271,792; July 9; v. 252; p. 322.
Blank or sheet feeder. L. E. La Bombard. No. 1,285,007; Nov. 19; v. 256; p. 473.
Blank wiper for tight and loose types of blank-wrapping work, Gummed-. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,817; Jan. 1; v. 246; p. 114.

Blanks, Apparatus for neutralizing the curling of freshly-gummed. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,812; Jan. 1; v. 246; p. 112.
Blanks, End-turn-in wiper for wrapping the end edges of boxes with gummed. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,818; Jan. 1; v. 246; p. 115.
Blanks, Machine for creasing. J. A. Moore. No. 1,286,714; Dec. 3; v. 257; p. 127.
Blanking and forming die, Combination. C. C. Elsener. No. 1,270,933; July 2; v. 252; p. 51.
Blanket-cylinder. D. J. and W. C. Scott. No. 1,257,538; Feb. 26; v. 247; p. 821.
Blanket-roll. C. H. Stonebridge. No. 1,281,692; Oct. 15; v. 255; p. 489.
Blanket, Scout-. M. H. Slater. No. 1,265,539; May 7; 250; p. 182.
Blast components of producers, Means for automatically regulating the. H. T. Newell. No. 1,267,443; May 28; v. 250; p. 798.
Blast-furnace. E. E. Slick. No. 1,267,004; May 21; v. 250; p. 650.
Blast-furnace and the like. T. G. Wrightson and J. M. Ringquist. No. 1,267,732; May 28; v. 250; p. 878.
Blast-furnace-bell-operating mechanism. A. G. McKee. No. 1,288,948; Dec. 24; v. 257; p. 772.
Blast-furnace cinder-runner. F. H. N. Gerwig. No. 1,286,991; Dec. 10; v. 257; p. 232.
Blast-furnace operation. E. E. Slick. No. 1,267,005; May 21; v. 250; p. 650.
Bleach, Making high-strength. K. P. McElroy. No. 1,261,572; Apr. 2; v. 249; p. 165.
Bleaching. H. R. Anders. No. 1,251,614; Jan. 1; v. 246; p. 51.
Bleaching. A. E. Jury. No. 1,289,803; Dec. 31; v. 257; p. 1007.
Bleaching apparatus. F. Donahue. No. 1,263,045; Apr. 16; v. 249; p. 638.
Bleaching apparatus, Cotton-. T. G. Haney. No. 1,255,161; Feb. 5; v. 247; p. 14.
Bleaching fibers. A. Schaidhauf. No. 1,278,389; Sept. 10; v. 254; p. 312.
Bleaching-powder, Manufacture of. J. W. Moore. No. 1,272,880; July 16; v. 252; p. 659.
Bleaching, scouring, and decorticating fabrics or fibrous matter. A. Poulson. No. 1,254,727; Jan. 29; v. 246; p. 1064.
Bleeder-rod. W. W. Smith. No. 1,279,770; Sept. 24; v. 254; p. 742.
Blind and lace-curtain holder, Window-. T. W. Garnett. No. 1,253,808; Jan. 15; v. 246; p. 749.
Blind attachment, Window-. A. Levin. No. 1,251,899; Jan. 1; v. 246; p. 136.
Blind, Awning-. D. J. Gampp. No. 1,251,499; Jan. 1; v. 246; p. 14.
Blind, Disappearing window-. B. Roe. No. 1,279,590; Sept. 24; v. 254; p. 690.
Blind dovetail slots, Machine for cutting. F. O. Anderson. No. 1,258,082; Mar. 5; v. 248; p. 39.
Blind, Roller-. A. Bennet and T. H. Reid. No. 1,257,668; Feb. 26; v. 247; p. 859.
Blind-slat-adjusting device, Louver-. C. H. Sapper. No. 1,271,619; July 9; v. 252; p. 275.
Blind, Window-. T. H. Whetton. No. 1,268,413; June 4; v. 251; p. 98.
Blinder. J. M. Walsh. No. 1,282,335; Oct. 22; v. 255; p. 705.
Blindstitching-machine for felling. T. J. Hayes. No. 1,255,415; Feb. 5; v. 247; p. 87.
Blindstitching-machine for felling. T. J. Hayes. No. 1,260,193; Mar. 19; v. 248; p. 715.
Block: *See*—
- Bearing-block.
- Bench-block.
- Brake-block.
- Building-block.
- Cap-block.
- Chock-block.
- Collapsible block.
- Concrete building-block.
- Construction-block.
- Cotton-press block.
- Curb-block.
- Davit tackle-block.
- Decorative block.
- Dentist's bench-block.
- Derailing-block.
- Flashing-block.
- Fuse-block.
- Hat-block.
- Junction terminal block.
- Keel-block.
- Lens-block.
- Mud-block.
- Musical block.
- Paving-block.
- Pulley-block.
- Structural block.
- Tile or paving-block.
- Toe-calk-sharpening block.
- Toy building-block.
- Tripping-block.
- Tunnel-block.
- Veneer block.
- Welding-block.
- Wire-stretcher block.

Block and interlocking means therefor. C. G. Hastings. No. 1,254,136; Jan. 22; v. 246; p. 864.
Block-dressing implement. J. O. Loughlin. No. 1,271,606; July 9; v. 252; p. 271.
Block for roadways and other surfaces, Paving-. G. Anderson. No. 1,285,891; Nov. 26; v. 256; p. 735.
Block-making apparatus, Plastic-. H. A. Monroe. No. 1,258,237; Mar. 5; v. 248; p. 83.
Block mold, Multiple-. J. F. McElroy. No. 1,282,607; Oct. 22; v. 255; p. 778.
Block-molding device. A. B. Foans. No. 1,266,787; May 21; v. 250; p. 589.
Block or tile, Sound-absorbing. W. C. Sabine. No. 1,284,933; Nov. 12; v. 256; p. 416.
Block-signal system. M. R. Julian, M. H. Hovey, and T. E. Clark. No. 1,267,771; May 28; v. 250; p. 890.
Block-signal system. J. J. Ruddick. No. 1,278,509; Sept. 10; v. 254; p. 343.
Block-signaling and stopping system. F. C. Williams. No. 1,257,961; Feb. 26; v. 247; p. 944.
Block-signaling system. A. B. Kendall. No. 1,258,622; Mar. 5; v. 248; p. 197.
Blocks, Apparatus for treating porous. F. S. Hoyt. No. 1,282,837; Oct. 29; v. 255; p. 870.
Blood-serum, Separation of. M. Dorset and R. R. Henley. No. 1,270,271; June 25; v. 251; p. 685.
Bloomers, Lady's. E. W. Decker and A. Scott. No. 1,277,700; Sept. 3; v. 254; p. 103.
Blotter. G. J. Dickinson. No. 1,277,703; Sept. 3; v. 254; p. 103.
Blotter. H. Hegg. No. 1,257,347; Feb. 26; v. 247; p. 765.
Blotter and scratch-pad holder. A. C. Bernau. No. 1,286,208; Dec. 3; v. 257; p. 6.
Blotter-holder. J. J. G. Cooper. No. 1,272,388; July 16; v. 252; p. 519.
Blotter, Wrist-. H. W. Cardwell. No. 1,280,158; Oct. 1; v. 255; p. 11.
Blotting trade-marks and the like, Device for. C. G. Richardson. No. 1,284,202; Nov. 5; v. 256; p. 202.
Blow-out patch. J. M. Smith. No. 1,269,124; June 11; v. 251; p. 315.
Blower. J. E. Greenawalt. No. 1,261,806; Apr. 9; v. 249; p. 264.
Blower. J. C. Swaykus and A. Tkacz. No. 1,264,995; May 7; v. 250; p. 34.
Blower, Fan-. J. E. Greenawalt. No. 1,261,807; Apr. 9; v. 249; p. 264.
Blower for horns. G. A. Arnold. No. 1,283,027; Oct. 29; v. 255; p. 923.
Blower, Soot-. S. J. Herman. No. 1,281,005; Oct. 8; v. 255; p. 271.
Blower, Turbine fan-. C. T. Coe. No. 1,268,095; June 4; v. 251; p. 7.
Blowpipe. E. Waldmeier. No. 1,282,997; Oct. 29; v. 255; p. 915.
Blowpipe, Combination welding and cutting. J. Harris. No. 1,276,214; Aug. 20; v. 253; p. 580.
Blowpipe, Cutting or welding. J. R. Reyburn. No. 1,266,858; May 21; v. 250; p. 608.
Blowpipe, Jeweler's. K. C. Kunkle. No. 1,262,213; Apr. 9; v. 249; p. 375.
Blue-print-edge protector. J. A. Hansen. No. 1,277,411; Sept. 3; v. 254; p. 22.
Board: *See*—
- Advertising display-board.
- Answering-board.
- Bee-escape board.
- Bunch-board.
- Cabinet ironing-board.
- Checker-board.
- Composite board.
- Directory-board.
- Display-board.
- Drawing-board.
- Embalming-board.
- Folding board.
- Game-board.
- Instrument-board.
- Ironing-board.
- Lap-board.
- Lath-board.
- Panel-board.
- Paper-board.
- Papering-board.
- Piano sounding-board.
- Pin game-board.
- Plaster-board.
- Plotting-board.
- Pressing-board.
- Scoop-board.
- Shoveling-board.
- Sign-board.
- Stove-board.
- Tile-mounting board.
- Trimming-board.
- Wall-board.
- Washboard.
- Writing-board.

Board, Machine for making corrugated. B. Heinrichs. No. 1,273,367; July 23; v. 252; p. 815.
Boat: *See*—
- Flying-boat.
- Hydroaeroplane-boat.
- Life-boat.
- Pneumatic power-boat.
- Rotary-bottom boat.
- Rowing-boat.
- Submarine life-boat.
- Submergible boat.
- Submersible boat.
- Torpedo-boat.
- Tunnel-boat.

Boat. W. R. Barringer. No. 1,259,201; Mar. 12; v. 248; p. 401.
Boat. H. Brinkhaus. No. 1,271,499; July 2; v. 252; p. 208.
Boat. G. M. Clark. No. 1,258,745; Mar. 12; v. 248; p. 270.
Boat. F. Fregoning. No. 1,274,818; Aug. 6; v. 253; p. 136.
Boat. S. M. Graumlich. No. 1,262,942; Apr. 16; v. 249; p. 609.
Boat. M. Halperin. No. 1,287,977; Dec. 17; v. 257; p. 509.
Boat. H. L. Haskell. No. 1,263,410; Apr. 23; v. 249; p. 760.
Boat. A. Nadolski. No. 1,282,915; Oct. 29; v. 255; p. 891.
Boat. H. J. Nagel. No. 1,256,246; Feb. 12; v. 247; p. 371.
Boat. J. Wymore. No. 1,284,535; Nov. 12; v. 256; p. 315.
Boat-chock. P. G. Johnson. No. 1,287,333; Dec. 10; v. 257; p. 318.
Boat, Collapsible. J. Presament and A. Provisor. No. 1,289,906; Dec. 31; v. 257; p. 1033.

Boat, Collapsible life-. L. Vecchio. No. 1,282,659; Oct. 22; v. 255; p. 793.
Boat cruiser, Flying-. G. H. Curtiss. No. 1,283,684; Nov. 5; v. 256; p. 65.
Boat-detaching apparatus. H. B. Hills. No. 1,281,370; Oct. 15; v. 255; p. 405.
Boat-detaching apparatus. H. B. Hills. No. 1,287,994; Dec. 17; v. 257; p. 514.
Boat-dropping gear. J. Bowditch. No. 1,257,577; Feb. 26; v. 247; p. 832.
Boat, Flying-. G. H. Curtiss. No. 1,289,683; Dec. 31; v. 257; p. 977.
Boat-handling apparatus. O. Carlson. No. 1,283,397; Oct. 29; v. 255; p. 1021.
Boat-hull. U. Wilcox. No. 1,258,728; Mar. 12; v. 248; p. 265.
Boat-hull. U. Wilcox. No. 1,259,572; Mar. 19; v. 248; p. 538.
Boat-hull construction. C. Z. Hubbell. No. 1,289,781; Dec. 31; v. 257; p. 1002.
Boat hull, Flying-. H. Kleckler and C. G. MacGregor. No. 1,285,229; Nov. 19; v. 256; p. 529.
Boat-hulls, Siding for. L. Henley. No. 1,268,244; June 4; v. 251; p. 49.
Boat-launching apparatus. A. Grohmann. No. 1,265,771; May 14; v. 250; p. 276.
Boat, Life-. I. Fleischmann. No. 1,289,145; Dec. 31; v. 257; p. 845.
Boat, Life-. A. E. Kroseng. No. 1,285,241; Nov. 19; v. 256; p. 531.
Boat-motor, Detachable. J. A. Bagger. No. 1,283,035; Oct. 29; v. 255; p. 925.
Boat-propeller. J. A. Fitzpatrick. No. 1,284,282; Nov. 12; v. 256; p. 251.
Boat-propeller. J. B. Gourdon. No. 1,287,967; Dec. 17; v. 257; p. 506.
Boat-propelling means. A. L. P. Talbot. No. 1,289,038; Dec. 24; v. 257; p. 793.
Boat raising and lowering apparatus, Ship's. J. Storie. No. 1,271,237; July 2; v. 252; p. 137.
Boat raising and lowering gear. E. Ekblom. No. 1,255,301; Feb. 5; v. 247; p. 53.
Boat releasing and restraining device for boat-launching apparatus. C. Rydell. No. 1,253,101; Jan. 8; v. 246; p. 516.
Boat-releasing device. F. Jacoby. No. 1,264,805; Apr. 30; v. 249; p. 1176.
Boat, Ship's life or emergency. S. M. Johnson. No. 1,280,483; Oct. 1; v. 255; p. 102.
Boat, Submarine. F. Schlegelnilch. No. 1,285,414; Nov. 19; v. 256; p. 576.
Boat, Submersible. G. H. Pegram. No. 1,281,414; Oct. 15; v. 255; p. 417.
Boat, Tilting-wing flying-. G. H. Curtiss. No. 1,287,249; Dec. 10; v. 257; p. 298.
Boats, Apparatus for launching. S. H. Smith. No. 1,285,821; Nov. 26; v. 256; p. 718.
Boats, Apparatus for lowering and heaving ships'. C. W. A. Taylor. No. 1,283,965; Nov. 5; v. 256; p. 138.
Boats, Deck-lashing for. P. J. Clancy. No. 1,261,768; Apr. 9; v. 249; p. 252.
Boats, Equilibrator for. J. Sachar. No. 1,261,168; Apr. 2; v. 249; p. 50.
Boats from davits, Device for suspending ships'. O. J. McGowan. No. 1,275,987; Aug. 13; v. 253; p. 486.
Boats from ships, Means for launching. M. Crooks. No. 1,275,399; Aug. 13; v. 253; p. 322.
Boats, Handling-truck for flying-. H. Kleckler. No. 1,287,341; Dec. 10; v. 257; p. 320.
Boats, Launching device for life-. G. F. Hall. No. 1,289,046; Dec. 24; v. 257; p. 795.
Boats or torpedoes, Electrical system for controlling. J. M. Seymour, Jr. No. 1,275,480; Aug. 13; v. 253; p. 343.
Boats, &c., Releasing-hook for. R. Nelles. No. 1,273,650; July 23; v. 252; p. 892.
Bobbin. W. Pickard. No. 1,271,074; July 2; v. 252; p. 90.
Bobbin-cleaning machine. W. W. Linder. No. 1,273,075; July 16; v. 252; p. 711.
Bobbin-handling apparatus. B. A. Peterson. No. 1,257,946; Feb. 26; v. 247; p. 940.
Bobbin-holder. T. P. Rooney. No. 1,265,521; May 7; v. 250; p. 177.
Bobbin-holder. A. H. Sawtell. No. 1,260,069; Mar. 19; v. 248; p. 683.
Bobbin-holder and tension device. H. Riviere. No. 1,276,416; Aug. 20; v. 253; p. 636.
Bobbin-stripper. A. H. Cottingham. No. 1,270,703; June 25; v. 251; p. 803.
Bobbin-stripping machine. C. S. Burnett. No. 1,260,867; Mar. 26; v. 248; p. 944.
Bobbin-stripping machine. J. D. Sharples and T. Crowe. No. 1,289,938; Dec. 31; v. 257; p. 1041.
Bobbin-stripping machine. J. D. Sharples and T. Crowe. No. 1,289,939; Dec. 31; v. 257; p. 1041.
Bobbin-winding machine. E. E. Bradley. No. 1,257,182; Feb. 19; v. 247; p. 681.
Bobbin-winding machine. E. R. Seifert. No. 1,267,913; May 28; v. 250; p. 930.
Bobbins, Stabilizing-spring for. E. W. Corcoran and F. W. Pund. No. 1,275,396; Aug. 13; v. 253; p. 322.
Body support or rest and head-rest therefor. A. Ebbecke. No. 1,274,020; July 30; v. 252; p. 1030.
Body-wear, Article of. G. D. Breck and W. J. Merten. No. 1,280,149; Oct. 1; v. 255; p. 9.
Boiler: *See*—
Double boiler.
Egg-boiler.
Electric boiler.
Hot-water boiler.
Locomotive-boiler.
Milk-boiler.
Range-boiler.
Steam-boiler.
Vegetable-boiler.
Washboiler.
Water-tube boiler.
Boiler. W. H. Cahall. No. 1,268,679; June 4; v. 251; p. 173.
Boiler. J. J. Cain. No. 1,263,851; Apr. 23; v. 249; p. 880.
Boiler. L. A. Cherry. No. 1,283,668; Nov. 5; v. 256; p. 61.
Boiler. J. F. Dornfeld. No. 1,282,775; Oct. 29; v. 255; p. 851.
Boiler. M. E. Herbert. No. 1,265,201; May 7; v. 250; p. 92.
Boiler. F. B. Hibbard. No. 1,282,832; Oct. 29; v. 255; p. 868.
Boiler. W. Janiszewski. No. 1,255,014; Jan. 29; v. 246; p. 1147.
Boiler. A. E. Jordan. No. 1,260,679; Mar. 26; v. 248; p. 892.
Boiler. G. T. Ladd. No. 1,283,814; Nov. 5; v. 256; p. 98.
Boiler. E. C. Meier. No. 1,263,586; Apr. 23; v. 249; p. 809.
Boiler. R. F. E. Okrassa. No. 1,270,195; June 18; v. 251; p. 640.
Boiler. L. Podlasek. No. 1,275,596; Aug. 13; v. 253; p. 375.
Boiler. W. Radcliff. No. 1,288,186; Dec. 17; v. 257; p. 561.
Boiler. W. H. Ritts. No. 1,258,248; Mar. 5; v. 248; p. 86.
Boiler. P. O. Roth. No. 1,272,113; July 9; v. 252; p. 415.
Boiler. J. E. Whittlesey. No. 1,281,458; Oct. 15; v. 255; p. 429.
Boiler. W. H. Winslow. No. 1,284,015; Nov. 5; v. 256; p. 151.
Boiler. W. H. Winslow. No. 1,289,340; Dec. 31; v. 257; p. 894.
Boiler-alarm, High and low water. L. Moore. No. 1,264,115; Apr. 23; v. 249; p. 952.
Boiler and roaster, Combination. C. Clarke. No. 1,265,611; May 7; v. 250; p. 201.
Boiler attachment, Steam-. A. Gollinge. No. 1,270,147; June 18; v. 251; p. 627.
Boiler-baffling. J. E. Bell. No. 1,257,302; Feb. 26; v. 247; p. 752.
Boiler-bolt. M. Pascale. No. 1,275,084; Aug. 6; v. 253; p. 210.
Boiler-cleaner. W. G. Cross. No. 1,251,480; Jan. 1; v. 246; p. 9.
Boiler-cleaner. A. Skoglund and J. Bore. No. 1,267,003; May 21; v. 250; p. 649.
Boiler-cleaning device. E. O. Eriksson. No. 1,275,009; Aug. 6; v. 253; p. 189.
Boiler-cleaning device. L. H. Kettner. No. 1,261,243; Apr. 2; v. 249; p. 70.
Boiler construction. E. C. Meier. No. 1,271,598; July 9; v. 252; p. 269.
Boiler control. W. S. Elliott. No. 1,281,317; Oct. 15; v. 255; p. 389.
Boiler-cover. A. Mroczek. No. 1,264,543; Apr. 30; v. 249; p. 1106.
Boiler economizer and operating the same, Steam-. D. S. Jacobus. No. 1,255,170; Feb. 5; v. 247; p. 16.
Boiler economizers, Method of and apparatus for operating steam-. D. S. Jacobus. No. 1,281,016; Oct. 8; v. 255; p. 274.
Boiler economizers, Operating steam-. D. S. Jacobus and H. C. Heaton. No. 1,285,201; Nov. 19; v. 256; p. 522.
Boiler-feed apparatus. W. L. Leonard, L. Suhrie, and C. D. Douty. No. 1,282,601; Oct. 22; v. 255; p. 776.
Boiler-feed mechanism, Automatic. E. Postle. No. 1,253,095; Jan. 8; v. 246; p. 514.
Boiler feed-water, Appliance for heating. J. C. Boyle. No. 1,281,281; Oct. 15; v. 255; p. 379.
Boiler feed-water, Composition for softening. J. R. Campbell. No. 1,278,435; Sept. 10; v. 254; p. 323.
Boiler feed-water, Gravity feed device for. W. Fowler. No. 1,280,435; Oct. 1; v. 255; p. 89.
Boiler-feed-water heater. J. A. Persichetti. No. 1,288,162; Dec. 17; v. 257; p. 556.
Boiler-feeder. J. Rinta and A. Matson. No. 1,264,861; Apr. 30; v. 249; p. 1192.
Boiler feeder, Steam-. B. Zindel and W. H. Hart. No. 1,254,185; Jan. 22; v. 246; p. 878.
Boiler-flue cutter. A. C. Menge and W. H. Pipes. No. 1,271,345; July 2; v. 252; p. 167.
Boiler-flue ferrule. A. J. Kinnane. No. 1,252,585; Jan. 8; v. 246; p. 365.
Boiler-flues in flue-sheets, Securing the ends of. J. Sullivan. No. 1,267,143; May 21; v. 250; p. 690.

Alphabetical list of inventions—Continued.

Boiler for steam and hot-water heating. J. W. Piper. No. 1,262,556; Apr. 9; v. 249; p. 470.
Boiler-furnace. T. D. Casserly. No. 1,276,490; Aug. 20; v. 253; p. 657.
Boiler-furnace. A. C. Mott, Jr. No. 1,262,229; Apr. 9; v. 249; p. 379.
Boiler-furnace. A. C. Mott, Jr. No. 1,276,395; Aug. 20; v. 253; p. 631.
Boiler-furnace, Smoke-preventing. E. C. Hock. No. 1,260,196; Mar. 19; v. 248; p. 716.
Boiler furnace, Steam and hot-water. A. C. Edgar. No. 1,261,370; Apr. 2; v. 249; p. 108.
Boiler-furnaces, Extensible bridge-wall with moist-air circulation for. C. Roudy. No. 1,281,843; Oct. 15; v. 255; p. 531.
Boiler-gage guard. B. C. Gibbs and H. P. Reiber. No. 1,264,785; Apr. 30; v. 249; p. 1171.
Boiler indicator and recorder, Steam-. C. V. Walker. No. 1,279,187; Sept. 17; v. 254; p. 555.
Boiler-keir. K. Murai. No. 1,254,348; Jan. 22; v. 246; p. 923.
Boiler-plug. A. C. Lippincott. No. 1,285,751; Nov. 26; v. 256; p. 700.
Boiler-pressure regulator. I. A. Backlund. No. 1,276,002; Aug. 20; v. 253; p. 520.
Boiler-pressure regulator. I. A. Backlund. No. 1,276,003; Aug. 20; v. 253; p. 520.
Boiler purifier, Steam-. H. H. Ralph. No. 1,256,039; Feb. 12; v. 247; p. 308.
Boiler regulator, Steam-. C. L. McCrae. No. 1,253,989; Jan. 15; v. 246; p. 801.
Boiler-retarder machine. M. C. Hutchinson. No. 1,263,896; Apr. 23; v. 249; p. 894.
Boiler-seam protector. J. W. Gates. No. 1,287,954; Dec. 17; v. 257; p. 503.
Boiler-setting. T. Smith. No. 1,274,342; July 30; v. 252; p. 1120.
Boiler-skimmers, Float for. R. Rosenthal. No. 1,287,442; Dec. 10; v. 257; p. 345.
Boiler-stand. C. H. Foster. No. 1,276,202; Aug. 20; v. 253; p. 577.
Boiler-stand. C. H. Foster. No. 1,288,551; Dec. 24; v. 257; p. 676.
Boiler stay-bolt. J. R. Flannery and E. I. Dodds. No. 1,281,328; Oct. 15; v. 255; p. 393.
Boiler stay-bolt. J. R. Flannery, B. E. D. Stafford, and E. I. Dodds. No. 1,285,097; Nov. 19; v. 256; p. 495.
Boiler stay-bolt. H. A. Lacerda. No. 1,272,465; July 16; v. 252; p. 539.
Boiler stay-bolt. H. A. Lacerda. No. 1,275,944; Aug. 13; v. 253; p. 473.
Boiler stay-bolt. J. A. Wolmer, E. F. Hanlon, and G. L. Thomson. No. 1,273,563; July 23; v. 252; p. 868.
Boiler stay-bolt, Flexible. F. Landgraf. No. 1,256,911; Feb. 19; v. 247; p. 603.
Boiler-stay-bolt structure. J. R. Flannery and E. I. Dodds. No. 1,281,329; Oct. 15; v. 255; p. 393.
Boiler-tube and the like beading tool. W. Kerr. No. 1,283,799; Nov. 5; v. 256; p. 94.
Boiler-tube cleaner. C. De Ved and J. Kissick, Jr. No. 1,255,988; Feb. 12; v. 247; p. 294.
Boiler-tube cleaner. L. E. Jillson and E. Williams. No. 1,275,437; Aug. 13; v. 253; p. 332.
Boiler-tube expander. O. Wiedeke. No. 1,265,283; May 7; v. 250; p. 113.
Boiler-tube extractor. G. C. Dee. No. 1,273,831; July 30; v. 252; p. 977.
Boiler-tubes and the like, Cleaner for. C. W. Matthews. No. 1,283,850; Nov. 5; v. 256; p. 109.
Boiler-tubes, Beading-tool for. O. C. Kroshaug. No. 1,278,685; Sept. 10; v. 254; p. 392.
Boiler-tubes, Thimble for repairing. W. H. Morgan. No. 1,285,313; Nov. 19; v. 256; p. 550.
Boiler-washing device. J. E. Hixon. No. 1,288,586. Dec. 24; v. 257; p. 685.
Boilers, Adjustable mirror for. G. F. Knollmann. No. 1,270,624; June 25; v. 251; p. 784.
Boilers and for like purposes, Governing device for automatically controlling the supply of feed-water to steam-. A. R. Trist. No. 1,251,843; Jan. 1; v. 246; p. 122.
Boilers and heaters, Inclosure for. H. C. Streeper. No. 1,262,713; Apr. 16; v. 249; p. 543.
Boilers and the like, Combustion device for steam-. C. E. Pedersen. No. 1,257,108; Feb. 19; v. 247; p. 659.
Boilers, Apparatus for removing non-gaseous particles from the products of combustion from. T. Grieve. No. 1,278,334; Sept. 10; v. 254; p. 298.
Boilers, Auxiliary blow-off and water-inlet for locomotive-. J. L. Good. No. 1,289,441; Dec. 31; v. 257; p. 920.
Boilers, Baffle construction for. E. C. Meier. No. 1,259,654; Mar. 19; v. 248; p. 560.
Boilers, Baffle construction for. E. C. Meier. No. 1,260,426; Mar. 26; v. 248; p. 817.
Boilers by waste gases, Means for heating. L. S. Schmidt. No. 1,276,421; Aug. 20; v. 253; p. 638.
Boilers, Circulating device for internal-combustion. H. C. Freeman. No. 1,262,035; Apr. 9; v. 249; p. 324.
Boilers, Circulation-control baffle for water-tube. C. L. Andersen. No. 1,257,277; Feb. 19; v. 247; p. 710.
Boilers, Cleaning device for tubular. W. A. Torpey. No. 1,286,451; Dec. 3; v. 257; p. 66.
Boilers, Damper-regulator for steam-. C. R. Nelson. No. 1,288,651; Dec. 24; v. 257; p. 701.
Boilers, Device for cleaning and blowing off. J. Goff. No. 1,255;156; Feb. 5; v. 247; p. 12.
Boilers, Device for controlling supply of water to. B. F. Wood. No. 1,272,753; July 16; v. 252; p. 622.
Boilers, Dry pipe for. W. P. Franel. No. 1,261,729; Apr. 2; v. 249; p. 207.
Boilers, Flexible stay-bolt connection for. B. E. D. Stafford. No. 1,264,569; Apr. 30; v. 249; p. 1114.
Boilers, Flexible stay-bolt connection for. B. E. D. Stafford. No. 1,264,570; Apr. 30; v. 249; p. 1114.
Boilers, Forming baffle-walls for. F. J. Jewell. No. 1,288,014; Dec. 17; v. 257; p. 518.
Boilers, Making. W. H. Winslow. No. 1,281,247; Oct. 8; v. 255; p. 339.
Boilers, Manufacture of stay-bolts for. J. R. Flannery and E. I. Dodds. No. 1,281,930; Oct. 15; v. 255; p. 555.
Boilers, Means for promoting circulation of water in steam-. H. W. E. Josling. No. 1,281,973; Oct. 15; v. 255; p. 565.
Boilers, Method and apparatus for heating and supplying feed-water to. C. W. E. Clarke and J. V. Santry. No. 1,254,310; Jan. 22; v. 246; p. 914.
Boilers, Safety system for steam-. S. Roncero. No. 1,283,312; Oct. 29; v. 255; p. 995.
Boilers, Soot-blower for water-tube. J. E. Bell. No. 1,283,048; Oct. 29; v. 255; p. 928.
Boilers, Soot-cleaner for water-tube. F. W. Linaker No. 1,279,382; Sept. 17; v. 254; p. 610.
Boilers, Stay-bolt for. J. R. Flannery. No. 1,281,931; Oct. 15; v. 255; p. 555.
Boilers, Superheater for marine. W. F. Keenan, Jr. No. 1,282,850; Oct. 29; v. 255; p. 873.
Boilers, Superheater for marine. W. F. Keenan, Jr., and D. D. Thomas. No. 1,282,851; Oct. 29; v. 255; p. 874.
Boilers, Water-indicating means for steam-. W. C. Blundell. No. 1,267,622; May 28; v. 250; p. 849.
Boilers, Water-level indicator for steam-. G. A. Bryan. No. 1,288,377; Dec. 17; v. 257; p. 605.
Boilers, Wire basket for. T. Myskow. No. 1,251,560; Jan. 1; v. 246; p. 34.
Boiling-machine. E. D. Jefferson. No. 1,278,155; Sept 10; v. 254; p. 249.
Boll breaker and cleaner. J. A. Streun. No. 1,256,743; Feb. 19; v. 247; p. 553.
Boll-breaker and cotton-cleaner. S. E. Gillespie. No. 1,285,119; Nov. 19; v. 256; p. 501.
Boll-weevil catcher. T. C. Hines. No. 1,253,176; Jan. 8; v. 246; p. 538.
Boll-weevil catcher. R. R. Hitt. No. 1,267,224; May 21; v. 250; p. 712.
Boll-weevil catcher. J. P. Lee. No. 1,270,847; July 2; v. 252; p. 26.
Boll-weevil catcher. J. T. Timmons. No. 1,256,394; Feb. 12; v. 247; p. 416.
Boll-weevil destroyer. W. J. Walker. No. 1,271,397; July 2; v. 252; p. 180.
Boll-weevil destroyer. T. W. Young. No. 1,268,660; June 4; v. 251; p. 168.
Boll-weevil-destroying machine. T. H. Diserens and F. C. McKay. No. 1,263,312; Apr. 16; v. 249; p. 711.
Boll-weevil exterminator. L. A. Bevis. No. 1,254,649; Jan. 29; v. 246; p. 1039.
Boll-weevil exterminator. W. E. Harper. No. 1,257,343; Feb. 26; v. 247; p. 764.
Boll-weevil exterminator. J. H. Harrison, S. E. Hall, and J. M. Gholson. No. 1,255,414; Feb. 5; v. 247; p. 87.
Boll-weevil exterminator. G. W. Johnson. No. 1,284,698; Nov. 12; v. 256; p. 355.
Boll-weevil exterminator. O. V. Stubbs. No. 1,269,334; June 11; v. 251; p. 374.
Boll-weevils, Compound for destroying. C. A. Bryant. No. 1,253,832; Jan. 15; v. 246; p. 785.
Boll-weevils, Machine for exterminating. G. F. Sproull. No. 1,285,826; Nov. 26; v. 256; p. 720.
Bolster, Adjustable. R. Warner. No. 1,260,489; Mar. 26; v. 248; p. 836.
Bolster attachment. L. F. Welsandt. No. 1,260,109; Mar. 19; v. 248; p. 693.
Bolster-stake holder. C. Faust. No. 1,255,871; Feb. 12; v. 247; p. 260.
Bolt: *See*—

Anchor-bolt.	Machine-bolt.
Bearing-bolt.	Oil-bolt.
Boiler-bolt.	Shackle-bolt.
Boiler stay-bolt.	Sleeve-bolt.
Clamping-bolt.	Sliding bolt.
Cremorne bolt.	Soldering-bolt.
Door-bolt.	Spring-bolt.
Expansion-bolt.	Stay-bolt.
Flexible stay-bolt.	Threadless bolt.
Key-bolt.	Toggle-bolt.
Lock-bolt.	Windmill connecting-bolt.

Lock and interlocking bolt.
Bolt. V. De Roja. No. 1,259,214; Mar. 12; v. 248; p. 404.
Bolt. J. A. Frauenheim. No. 1,271,151; July 2; v. 252; p. 112.
Bolt. R. B. Older. No. 1,282,115; Oct. 22; v. 255; p. 645.

Alphabetical list of inventions—Continued.

Bolt-anchor. H. W. Pleister. No. 1,265,246; May 7; v. 250; p. 103.
Bolt-anchor. H. W. Pleister. No. 1,267,901; May 28; v. 250; p. 927.
Bolt-anchor. H. W. Pleister. No. 1,267,902; May 28; v. 250; p. 928.
Bolt-anchor. H. W. Pleister. No. 1,267,903; May 28; v. 250; p. 928.
Bolt-anchor, blank therefor, and making same. C. S. Girvan. No. 1,286,285; Dec. 3; v. 257; p. 24.
Bolt and lock-nut. A. L. Harrell. No. 1,289,165; Dec. 31; v. 257; p. 849.
Bolt and nut assembling machine. W. R. Hull. No. 1,274,562; Aug. 6; v. 253; p. 63.
Bolt and nut lock. W. B. Gasser. No. 1,269,532; June 11; v. 251; p. 426.
Bolt and nut lock. J. F. O'Connor. No. 1,253,709; Jan. 15; v. 246; p. 723.
Bolt-connection locking-plate. C. A. Forssell. No. 1,289,147; Dec. 31; v. 257; p. 845.
Bolt-cutter and shears. W. H. Hendershott. No. 1,267,663; May 28; v. 250; p. 859.
Bolt fastener or lock. S. Sushko. No. 1,266,081; May 14; v. 250; p. 363.
Bolt-heading machine. W. L. Clouse. No. 1,263,309; Apr. 16; v. 249; p. 710.
Bolt-lock. J. H. Jasper. No. 1,261,130; Apr. 2; v. 249; p. 40.
Bolt-operating device. P. Grzech. No. 1,269,430; June 11; v. 251; p. 399.
Bolt-operating device, Locking-. L. G. Keyes. No. 1,270,740; June 25; v. 251; p. 812.
Bolt or spike extractor. F. Simones. No. 1,284,938; Nov. 12; v. 256; p. 417.
Bolt-puller. H. F. Claypool. No. 1,269,683; June 18; v. 251; p. 501.
Bolt, screw, and the like. W. H. McLaughlin. No. 1,281,986; Oct. 15; v. 255; p. 568.
Bolts and pipes, Device for pulling. A. L. Andrews. No. 1,254,961; Jan. 29; v. 246; p. 1133.
Bolts and the like, Manufacture of. J. R. Blakeslee. No. 1,255,504; Feb. 5; v. 247; p. 112.
Bolts, Making. E. I. Dodds. No. 1,271,142; July 2; v. 252; p. 109.
Bolts, Making. J. A. Frauenheim. No. 1,271,150; July 2; v. 252; p. 111.
Bolts, nuts, spindles, or the like from the bar automatically on a machine with two, four, or six spindles, Apparatus for the making of. J. H. Barker. No. 1,281,753; Oct. 15; v. 255; p. 506.
Bolters and grain-spouts, Mechanical movement for agitating. A. P. Gould. No. 1,259,850; Mar. 19; v. 248; p. 618.
Boltless guy-clamp. T. F. Johnson, Jr. No. 1,266,126; May 14; v. 250; p. 377.
Bomb. S. T. Bates and T. C. Allison. No. 1,279,224; Sept. 17; v. 254; p. 565.
Bomb. J. W. Dobinsky. No. 1,276,736; Aug. 27; v. 253; p. 762.
Bomb. L. Helsmoortel. No. 1,282,574; Oct. 22; v. 255; p. 769.
Bomb. A. Kubeczko. No. 1,280,245; Oct. 1; v. 255; p. 36.
Bomb. E. R. Sutch. No. 1,277,271; Aug. 27; v. 253; p. 902.
Bomb, Aerial. J. G. Leal. No. 1,289,483; Dec. 31; v. 257; p. 929.
Bomb, Aeroplane-. E. S. Foxworth. No. 1,276,635; Aug. 20; v. 253; p. 697.
Bomb, Airplane-. C. C. Blackmore. No. 1,278,578; Sept. 10; v. 254; p. 362.
Bomb-calorimeters, Combustion-pan for. V. H. M. Roehrich. No. 1,289,918; Dec. 31; v. 257; p. 1036.
Bomb carrying and releasing apparatus. F. L. Fales, Jr. No. 1,285,654; Nov. 26; v. 256; p. 675.
Bomb-dropper. G. Lotyslewicz. No. 1,278,955; Sept. 17; v. 254; p. 495.
Bomb, Explosive. C. P. Chacon. No. 1,283,075; Oct. 29; v. 255; p. 936.
Bomb, Explosive. F. Kachur. No. 1,277,940; Sept. 3; v. 254; p. 167.
Bomb, Explosive. H. A. Thacker. No. 1,270,072; June 18; v. 251; p. 606.
Bomb, Flying-. G. Kupec and J. Slosar. No. 1,276,547; Aug. 20; v. 253; p. 672.
Bomb, Hand-. J. Sardo. No. 1,284,150; Nov. 5; v. 256; p. 188.
Bomb, Incendiary. N. H. Parkinson. No. 1,276,402; Aug. 20; v. 253; p. 632.
Bomb-launching apparatus. M. H. Clarke and D. Maggiora. No. 1,262,609; Apr. 9; v. 249; p. 486.
Bomb, Pocket-. J. Gieda. No. 1,281,939; Oct. 15; v. 255; p. 557.
Bomb, Practice-. E. Gathmann. No. 1,271,029; July 2; v. 252; p. 79.
Bomb, Self-steering. H. Lauesen. No. 1,277,225; Aug. 27; v. 253; p. 891.
Bomb-shield for ships, buildings, and other structures. M. Jakobson. No. 1,271,472; July 2; v. 252; p. 200.
Bomb-throwing device. F. Lewinski. No. 1,282,248; Oct. 22; v. 255; p. 681.
Bomb-throwing machine. M. Velk. No. 1,268,187; June 4; v. 251; p. 32.
Bomb, Water-. G. J. Kocialek. No. 1,272,461; July 16; v. 252; p. 538.
Bombs, Tail or controller for. R. K. Ortt. No. 1,282,709; Oct. 22; v. 255; p. 806.
Bonding kieselguhr powder and product thereof. C. S. Kinnison. No. 1,259,525; Mar. 19; v. 248; p. 525.
Bone abnormalities, Reducing. F. E. Miller. No. 1,283,257; Oct. 29; v. 255; p. 983.
Book. F. J. Hruska. No. 1,288,596; Dec. 24; v. 257; p. 687.
Book. B. Webster. No. 1,274,117; July 30; v. 252; p. 1059.
Book, Account-. A. Engelberg. No. 1,252,333; Jan. 1; v. 246; p. 257.
Book, Account deposit-. F. W. Smith, Jr. No. 1,252,961; Jan. 8; v. 246; p. 473.
Book, Account deposit-. F. W. Smith, Jr. (Reissue.) No. 14,502; Aug. 13; v. 252; p. 490.
Book, Accounting-. J. Duchow. No. 1,283,700; Nov. 5; v. 256; p. 69.
Book and hat holder, Combined. F. H. Ehrhardt. No. 1,268,701; June 4; v. 251; p. 178.
Book-backing machine. J. Hren. No. 1,252,114; Jan. 1; v. 246; p. 197.
Book-backing machines, Tape-cutting mechanism for. J. Hren. No. 1,261,538; Apr. 2; v. 249; p. 155.
Book, Bill-. J. Macdonald. No. 1,267,246; May 21; v. 250; p. 717.
Book binding or covering machine. A. Bredenberg. No. 1,252,879; Jan. 8; v. 246; p. 448.
Book, Check-. H. B. Ayres. No. 1,277,284; Aug. 27; v. 253; p. 905.
Book, Check-. B. L. Hollister. No. 1,285,184; Nov. 19; v. 256; p. 518.
Book, Check-. C. J. Korndorfer. No. 1,273,874; July 30; v. 252; p. 990.
Book, Check-. J. Lyons. No. 1,283,241; Oct. 29; v. 255; p. 979.
Book, Coupon-. H. F. Rawll. No. 1,282,627; Oct. 22; v. 255; p. 784.
Book-cover. M. C. Holden and F. G. Neal. No. 1,284,896; Nov. 12; v. 256; p. 406.
Book-cover protector. F. O. Zimmerhaeckel. No. 1,264,252; Apr. 30; v. 249; p. 1025.
Book covers, Making check-. C. P. Zoerb. No. 1,284,027; Nov. 5; v. 256; p. 154.
Book, Deposit-receipt bank-. A. F. Bader. No. 1,289,601; Dec. 31; v. 257; p. 958.
Book-drilling machine. G. B. Drach. No. 1,255,114; Jan. 29; v. 246; p. 1174.
Book, Duplicate sales-. A. Greenstein. No. 1,261,514; Apr. 2; v. 249; p. 148.
Book, &c., for children. R. H. Garman. No. 1,273,763; July 23; v. 252; p. 920.
Book for income-tax returns. R. M. Popham. No. 1,285,367; Nov. 19; v. 256; p. 564.
Book-fumigator. R. Oldham. No. 1,285,787; Nov. 26; v. 256; p. 709.
Book-hanger. W. J. Cherry. No. 1,285,939; Nov. 26; v. 256; p. 747.
Book-holder. C. H. Bartlett. No. 1,253,568; Jan. 15; v. 246; p. 682.
Book-holder. C. L. Boal. No. 1,254,569; Jan. 22; v. 246; p. 987.
Book-holder. R. H. Fant. No. 1,278,619; Sept. 10; v. 254; p. 374.
Book-holder. E. Graham. No. 1,281,776; Oct. 15; v. 255; p. 512.
Book-holder. W. H. Haslam. No. 1,263,761; Apr. 23; v. 249; p. 855.
Book-holder. O. M. Southworth. No. 1,281,682; Oct. 15; v. 255; p. 512.
Book holder, Check-. J. B. Morris. No. 1,260,699; Mar. 26; v. 248; p. 898.
Book-holder, Collapsible. N. C. Guntt. No. 1,269,925; June 18; v. 251; p. 568.
Book holder, Stamp-. S. Bickerton. No. 1,257,789; Feb. 26; v. 247; p. 895.
Book, Household account-. B. Jones. No. 1,284,902; Nov. 12; v. 256; p. 408.
Book-leaf. W. R. Moore. No. 1,263,589; Apr. 23; v. 249; p. 810.
Book, Loose-leaf. W. H. Edwards. No. 1,270,713; June 25; v. 251; p. 806.
Book, Loose-leaf. R. G. Whitlock. No. 1,274,827; Aug. 6; v. 253; p. 138.
Book, Loose-leaf. R. G. Whitlock. No. 1,278,267; Sept. 10; v. 254; p. 280.
Book, Loose-leaf pass-. T. P. Martin, Sr. No. 1,254,052; Jan. 22; v. 246; p. 839.
Book-making machine. D. A. Hopping. No. 1,282,834; Oct. 29; v. 255; p. 869.
Book, Manifolding-. W. E. Dunning. No. 1,269,796; June 18; v. 251; p. 534.
Book, Manifolding-. C. L. Spence. No. 1,270,066; June 18; v. 251; p. 605.
Book, Manifolding sales-. G. H. Baughman. No. 1,284,561; Nov. 12; v. 256; p. 320.
Book, Manifolding sales-. G. H. Baughman. No. 1,289,085; Dec. 31; v. 257; p. 830.
Book, Manifolding sales-. E. K. Bottle. No. 1,289,627; Dec. 31; v. 257; p. 965.

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Book, Manifolding sales-. W. E. Dunning. No. 1,256,534; Feb. 19; v. 247; p. 492.
Book-mark. J. R. Watts. No. 1,269,025; June 11; v 251; p. 288.
Book, Memorandum and stamp. L. H. Bakka. No. 1,280,131; Oct. 1; v. 255; p. 3.
Book or binder, Loose-leaf. J. P. Mentzer. No. 1,289,221; Dec. 31; v. 257; p. 863.
Book or pad, Manifold recording. S. J. F. Bergendahl. No. 1,256,868; Feb. 19; v. 247; p. 590.
Book, Pass-. M. P. Exline. No. 1,264,039; Apr. 23; v. 249; p. 932.
Book pull and marker, Combined. R. H. Toll. No. 1,266,885; May 21; v. 250; p. 615.
Book-rack. G. Calder. No. 1,285,932; Nov. 26; v. 256; p. 745.
Book-rack. E. L. Weed. No. 1,260,610; Mar. 26; v. 248; p. 873.
Book rack and carrier, Combined. L. Y. Burnett. No. 1,289,644; Dec. 31; v. 257; p. 968.
Book, Record-. G. D. Sumners. No. 1,288,273; Dec. 17; v. 257; p. 581.
Book-rest. W. H. Haslam. No. 1,263,762; Apr. 23; v. 249; p. 855.
Book rest and liner, Record-. E. R. Hiatt. No. 1,278,345; Sept. 10; v. 254; p. 301.
Book-rest, Folding. E. R. Hiatt. No. 1,278,344; Sept. 10; v. 254; p. 300.
Book, Sales-. H. P. Brown. No. 1,287,866; Dec. 17; v. 257; p. 481.
Book structure. M. B. Walker. No. 1,280,340; Oct. 1; v. 255; p. 63.
Book-support. C. L. Dahlberg. No. 1,278,442; Sept. 10; v. 254; p. 324.
Book-support. F. H. Farris. No. 1,268,946; June 11; v. 251; p. 265.
Book-support, Movable. W. A. Lewis and L. C. Eisenhart. No. 1,258,230; Mar. 5; v. 248; p. 81.
Book, Time and pay-roll. H. C. King. No. 1,279,358; Sept. 17; v. 254; p. 603.
Book with removable cover. H. C. Malsch. No. 1,278,185; Sept. 10; v. 254; p. 257.
Books, Appliance for filing and handling. S. H. Rice. No. 1,288,680; Dec. 24; v. 257; p. 708.
Books, bound documents, and the like, Holder for. H. R. Applegate. No. 1,254,635; Jan. 22; v. 246; p. 1006.
Books, Drilling. G. B. Drach. No. 1,273,468; July 23; v. 252; p. 843.
Books, Lining-machine for. J. Murray. No. 1,263,273; Apr. 16; v. 249; p. 701.
Books, Place-holder for. W. L. Crowell. No. 1,273,038; July 16; v. 252; p. 702.
Books, &c., Stand or support for loose-leaf. W. H. Kidder. No. 1,278,678; Sept. 10; v. 254; p. 390.
Bookbinding. H. W. Ellsworth. No. 1,269,586; June 18; v. 251; p. 473.
Bookbinding. F. J. McMann. No. 1,280,790; Oct. 8; v. 255; p. 214.
Bookbinding apparatus. J. Platt. No. 1,289,902; Dec. 31; v. 257; p. 1031.
Bookcase attachment. G. Stocker. No. 1,260,089; Mar. 19; v. 248; p. 688.
Bookbinding, Elastic. J. W. Hyatt. No. 1,289,454; Dec. 31; v. 257; p. 922.
Bookbinding-machine. A. Bredenberg. (Reissue.) No. 14,485; June 11; v. 251; p. 440.
Bookbinding round-cornering machine. R. Baumann and C. P. Butz. No. 1,285,593; Nov. 26; v. 256; p. 660.
Bookcase. H. B. Carré. No. 1,277,544; Sept. 3; v. 254; p. 58.
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Bottle, Sheet-metal hot-water and sheet-metal irrigating. W. H. Ellis. No. 1,272,238; July 9; v. 252; p. 450.
Bottle-siphon. J. Bird. No. 1,289,620; Dec. 31; v. 257; p. 963.
Bottle-stopper. C. Bomeisler. No. 1,260,629; Mar. 26; v. 248; p. 878.
Bottle-stopper. T. W. Cameron. No. 1,268,213; June 4; v. 251; p. 40.
Bottle-stopper. J. E. Connolly. No. 1,287,237; Dec. 10; v. 257; p. 295.
Bottle-stopper. L. O. Culver. No. 1,268,936 June 11; v. 251; p. 263.
Bottle-stopper. A. L. Currey. No. 1,278,112; Sept. 10; v. 254; p. 238.
Bottle-stopper. H. J. Frey. No. 1,283,719; Nov. 5; v. 256; p. 74.
Bottle-stopper. P. J. Hentschel. No. 1,283,181; Oct. 29; v. 255; p. 963.
Bottle-stopper. J. Menzies. No. 1,258,236; Mar. 5; v. 248; p. 83.
Bottle-stopper. A. Oberg. No. 1,278,370; Sept. 10; v. 254; p. 307.
Bottle-stopper. P. Sharpe. No. 1,265,263; May 7; v. 250; p. 107.
Bottle-stopper. T. J. Snyder. No. 1,286,133; Nov. 26; v. 256; p. 794.
Bottle stopper, Non-refillable-. J. H. Gruver. No. 1,288,406; Dec. 17; v. 257; p. 612.
Bottle stopper, Poison-. H. N. Tyson. No. 1,264,713; Apr. 30; v. 249; p. 1152.
Bottle support, Nursing-. B. A. McGee. No. 1,276,936; Aug. 27; v. 253; p. 813.
Bottle-supporting device, Nursing-. A. Barlow. No. 1,271,994; July 9; v. 252; p. 382.
Bottle-supporting means. J. F. McDonnell. No. 1,260,006; Mar. 19; v. 248; p. 664.
Bottle, Vacuum-. A. E. Wooden. No. 1,282,514; Oct. 22; v. 255; p. 753.
Bottle-washer. C. Hamson. No. 1,269,077; June 11; v. 251; p. 303.
Bottle washing and sterilizing machine. T. A. Sperry. No. 1,285,446; Nov. 19; v. 256; p. 584.
Bottle-washing apparatus. H. J. Chilton. No. 1,260,329; Mar. 26; v. 248; p. 789.
Bottle-washing machine. A. L. Foreman. No. 1,256,482; Feb. 12; v. 247; p. 440.
Bottle-washing machine. R. L. Gallup and W. G. Wachs. No. 1,273,602; July 23; v. 252; p. 878.
Bottle-washing machine. R. L. Gallup and W. G. Wachs. No. 1,273,603; July 23; v. 252; p. 879.
Bottle-washing machine. R. L. Gallup and W. G. Wachs. No. 1,273,604; July 23; v. 252; p. 879.
Bottle-washing machine. R. L. Gallup and W. G. Wachs. No. 1,276,897; Aug. 27; v. 253; p. 802.
Bottle-washing machine. R. L. Gallup and W. G. Wachs. No. 1,276,898; Aug. 27; v. 253; p. 803.
Bottle-washing machine. W. L. Street. No. 1,288,737; Dec. 24; v. 257; p. 722.
Bottles and other receptacles, Removing device for the closure-caps of milk-. T. H. Taylor. No. 1,258,063; Mar. 5; v. 248; p. 33.
Bottles and other vessels, Head for siphon-. J. R. Trigwell. No. 1,273,955; July 30; v. 252; p. 1014.
Bottles and similar containers, Turnstile mechanism for. H. Stake. No. 1,256,070; Feb. 12; v. 247; p. 318.
Bottles and the like, Machine for making and applying caps on. A. J. L. Lassen. No. 1,285,745; Nov. 26; v. 256; p. 698.
Bottles and the like, Receiver for milk-. L. Giclas. No. 1,276,750; Aug. 27; v. 253; p. 765.
Bottles and the like, Stoppering device for. G. Wade. No. 1,268,899; June 11; v. 251; p. 253.
Bottles, Drinking-cup holder for inverted. J. A. Sherman. No. 1,266,066; May 14; v. 250; p. 359.
Bottles, Fluid-drawing siphon for. F. E. Knapp. No. 1,287,046; Dec. 10; v. 257; p. 246.
Bottles from paper-pulp, Process and apparatus for making. H. C. Ayerst. No. 1,265,162; May 7; v. 250; p. 80.
Bottles into boxes, Machine for loading. F. M. Rogers. No. 1,284,781; Nov. 12; v. 256; p. 375.
Bottles, Machine for the capsuling of. A. A. Rosengren. No. 1,271,944; July 9; v. 252; p. 365.
Bottles, Nipple for nursing-. W. J. Eggers. No. 1,289,706; Dec. 31; v. 257; p. 984.
Bottles or the like, Escapement and feed mechanism for. H. Stake and A. P. Ekvall. No. 1,258,623; Mar. 5; v. 248; p. 198.
Bottles, Spinning-machine for. J. D. Lacroix. No. 1,273,878; July 30; v. 252; p. 990.
Bottles, Tube connection for hot-water. W. B. and V. D. Smith. No. 1,287,490; Dec. 10; v. 257; p. 356.
Bottling-machine. A. A. Carper. No. 1,258,187; Mar. 5; v. 248; p. 69.
Bow-fastener, Hair-engaging. F. J. Lightbody. No. 1,287,712; Dec. 17; v. 257; p. 443.
Bow-holder. J. H. Lancor. No. 1,271,731; July 9; v. 252; p. 308.
Bow-holder. A. L. Preston. No. 1,262,093; Apr. 9; v. 249; p. 340.
Bow rest and clamping device. H. B. White. No. 1,285,517; Nov. 19; v. 256; p. 601.
Bow, Sheet-metal. J. Jennison and G. H. Higgins. No. 1,251,532; Jan. 1; v. 246; p. 25.
Bow supporting and clamping device. H. B. White. No. 1,279,194; Sept. 17; v. 254; p. 557.
Bow-tie fastener. R. C. Pedersen and E. C. McConnell. No. 1,259,552; Mar. 19; v. 248; p. 533.

Bow-top holder for tops with non-detachable rear curtains. C. L. Bair. No. 1,257,782; Feb. 26; v. 247; p. 893.
Bow-turning machine. G. A. Ensign. No. 1,268,703; June 4; v. 251; p. 179.
Bowl-hanger and socket-support, Combined. E. L. White. No. 1,270,904; July 2; v. 252; p. 43.
Bowl, Nut-. H. J. Smith. No. 1,257,644; Feb. 26; v. 247; p. 852.
Bowl, Nut and fruit. M. Davis. No. 1,277,200; Aug. 27; v. 253; p. 885.
Bowl, Sugar-. J. E. Tedlock. No. 1,256,392; Feb. 12; v. 247; p. 416.
Bowling-alley. M. A. Drews. No. 1,286,254; Dec. 3; v. 257; p. 18.
Bowling-alley. J. Fekete. No. 1,263,875; Apr. 23; v. 249; p. 887.
Bowling-alley. J. L. Lind. No. 1,287,364; Dec. 10; v 257; p. 326.
Bowling-alley, Portable. E. Ek. No. 1,283,707; Nov. 5; v. 256; p. 70.
Bowling-pin. R. Miller. No. 1,257,377; Feb. 26; v. 247; p. 773.
Box: *See*—
Annealing-box.
Auto tool-box.
Automobile safety-box.
Automobile tool-box.
Balloon-cord stuffing-box.
Ballot-box.
Battery-box.
Bearing-box.
Bird-box.
Bread-box.
Cereal-box.
Cigar-box.
Cigarette and match box.
Coffin-box.
Collapsible box.
Container or tin-plate box.
Cut-out box.
Dispensing match-box.
Display-box.
Display paper box.
Distribution-box.
Drag-box.
Driving-box.
Egg-box.
Electric service-box.
Exhaust-box.
Extensible ballot-box.
Fare-box.
Feed-box.
File-box.
Film-box.
Fire-box.
Fire-alarm box.
Fireproof box.
Fishing-tackle box.
Floor-box.
Foldable box.
Folding box.
Fruit-box.
Furnace-charging box.
Grain-box.
Grease-box.
Hat-box.
Hypodermic-needle box.
Irrigation-box.
Journal-box.
Letter-box.
License-box.
Locomotive driving-box.
Locomotive journal-box.
Loom shuttle-box.
Lunch-box.
Mail-box.
Mailing-box.
Match-box.
Match-dispensing box.
Metallic box.
Meter-box.
Milk-box.
Miter-box.
Outlet-box.
Ornamental box.
Packing-box.
Paper box.
Phonograph sound-box.
Postage-stamp box.
Posting-box.
Powder-box.
Press-box.
Puzzle-box.
Quick-opening box.
Receiving-box.
Roadway-box.
Safety-deposit box.
Sand-box.
Service-box.
Shaft-hanger box.
Sheet-metal box.
Shipping-box.
Signal-box.
Slide-box.
Smoker's compartment-box.
Soap-box.
Sound-box.
Spinning-box.
Starting-box.
Stuffing-box.
Suction-box.
Switch-box.
Switch and service box.
Talking-machine sound-box.
Telephone coin-box.
Telephone collection-box.
Telephone prepay-box.
Terminal box.
Throttle-box.
Tinder-box.
Tobacco-box.
Tobacco and match box.
Toilet-box.
Vehicle-box.
Vent-box.
Wire-bound box.
Work-box.
Box. F. W. Baden, Sr. No. 1,272,185; July 9; v. 252; p. 435.
Box. W. E. Beckwith. No. 1,277,833; Sept. 3; v. 254; p. 139.
Box. A. M. Billstein. No. 1,257,067; Feb. 19; v. 247; p. 648.
Box. L. Binder. No. 1,277,536; Sept. 3; v. 254; p. 56.
Box. G. F. Brown. No. 1,268,318; June 4; v. 251; p. 71.
Box. C. W. Burnham. No. 1,265,046; May 7; v. 250; p. 49.
Box. E. T. Dyson. No. 1,256,448; Feb. 12; v. 247; p. 431.
Box. D. M. Goodrich. No. 1,271,698; July 9; v. 252; p. 298.
Box. E. C. Grant. No. 1,270,286; June 25; v. 251; p. 690.
Box. J. E. Hewett. No. 1,277,313; Aug. 27; v. 253; p. 913.
Box. R. G. Inwood. No. 1,288,598; Dec. 24; v. 257; p. 687.
Box. M. R. Kondolf. No. 1,284,908; Nov. 12; v. 256; p. 409.
Box. H. Leiman. No. 1,254,515; Jan. 22; v. 246; p. 972.
Box. H. Leiman. No. 1,278,691; Sept. 10; v. 254; p. 394.
Box. J. Milone. No. 1,282,912; Oct. 29; v. 255; p. 890.
Box. P. J. Nagle. No. 1,288,131; Dec. 17; v. 257; p. 548.
Box. E. E. Pinkerton. No. 1,268,146; June 4; v. 251; p. 22.
Box. H. B. Ruggles. No. 1,271,948; July 9; v. 252; p. 367.
Box. W. T. Soulée. No. 1,279,772; Sept. 24; v. 254; p. 742.
Box. C. A. Woolsey. No. 1,269,242; June 11; v. 251; p. 349.
Box. W. G. Young. No. 1,280,935; Oct. 8; v. 255; p. 253.
Box and making same. A. R. Robson. No. 1,279,589; Sept. 24; v. 254; p. 690.
Box and making the same. R. G. Inwood. No. 1,252,120; Jan. 1; v. 246; p. 199.
Box and newspaper wrapper, Combination. C. L. Shelton. No. 1,285,429; Nov. 19; v. 256; p. 580.
Box-assembling machine. H. Carle. No. 1,251,963; Jan. 1; v. 246; p. 154.
Box-assembling machine. J. J. Miller. No. 1,252,014; Jan. 1; v. 246; p. 168.
Box-band stretcher. R. H. Norton. No. 1,262,082; Apr. 9; v. 249; p. 337.
Box-blank. J. S. Stokes and H. G. Schwerdtle. No. 1,265,273; May 7; v. 250; p. 111.
Box-blank and box. J. H. Greenstreet. No. 1,280,718; Oct. 8; v. 255; p. 193.
Box-blank cutting or trimming machine. J. A. Moore. No. 1,258,599; Mar. 5; v. 248; p. 189.
Box-blank machine. O. C. Thompson. No. 1,258,625; Mar. 5; v. 248; p. 198.
Box-blank machine, Wire-bound-. E. Craig. No. 1,258,989; Mar. 12; v. 248; p. 341.
Box-blank machine, Wire-bound-. F. J. Grumme. No. 1,253,962; Jan. 15; v. 246; p. 793.
Box-blank machine, Wire-bound-. J. J. Miller. No. 1,260,932; Mar. 26; v. 248; p. 962.
Box-blanks and the like, Machine for taping. G. H. Broderick. No. 1,270,924; July 2; v. 252; p. 49.
Box-closure. H. E. Wellside. No. 1,264,735; Apr. 30; v. 249; p. 1158.
Box contents, Means for suspending. E. T. Cmpbell. No. 1,280,392; Oct. 1; v. 255; p. 77.
Box-covering blank, Stayed or tabbed. J. S. Stokes. No. 1,273,420; July 23; v. 252; p. 830.
Box-covering machine. M. Feybusch. No. 1,279,312; Sept. 17; v. 254; p. 590.
Box-covering machine. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,811; Jan. 1; v. 246; p. 111.
Box-covering machines, Form-block for. H. B. Smith and J. D. Reifsnyder. No. 1,274,801; Aug. 6; v. 253; p. 131.
Box-covering mechanism. E. T. Burlton. No. 1,282,747; Oct. 29; v. 255; p. 844.
Box, crate, and like construction. H. B. Collins. No. 1,256,202; Feb. 12; v. 247; p. 359.
Box-end-stapling machine, Inside. E. Craig. No. 1,254,395; Jan. 22; v. 246; p. 938.
Box ends, Apparatus for applying paste to. A. F. Partch. No. 1,276,954; Aug. 27; v. 253; p. 818.
Box-fastener. E. E. Greaves. No. 1,287,000; Dec. 10; v. 257; p. 234.
Box-fastener. N. O. Kenniker. No. 1,288,026; Dec. 17; v. 257; p. 521.
Box fastener and seal. W. M. Brooks. No. 1,252,370; Jan. 1; v. 246; p. 268.
Box form and stand. F. W. Giard. No. 1,279,324; Sept. 17; v. 254; p. 594.
Box-form, Folding. J. S. Crate. No. 1,277,873; Sept. 3; v. 254; p. 150.
Box-forming machines, Clamp mechanism for. M. Hess. No. 1,272,440; July 16; v. 252; p. 533.
Box-heading machine. M. J. Wheeler. No. 1,288,329; Dec. 17; v. 257; p. 594.
Box knock-out. C. D. Platt. No. 1,271,215; July 2; v. 252; p. 131.
Box-lid holder. C. S. Applas. No. 1,265,033; May 7; v. 250; p. 46.
Box-lid, Supplemental. P. A. Becker. No. 1,287,933; Dec. 17; v. 257; p. 474.
Box-liners, Making. F. P. Taylor and L. H. Hepp. No. 1,278,255; Sept. 10; v. 254; p. 277.
Box-lock. J. P. Stewart and J. R. Childs. No. 1,271,096; July 2; v. 252; p. 96.
Box-machine. C. Holly. No. 1,253,690; Jan. 15; v. 246; p. 717.
Box machine, Tray-. E. W. Labombarde. No. 1,281,982; Oct. 15; v. 255; p. 567.
Box machine, Wire-bound-. J. J. Miller. No. 1,260,986; Mar. 26; v. 248; p. 976.
Box-machines, Tray and shuck assembling mechanism for. O. P. Teeple. No. 1,277,154; Aug. 27; v. 253; p. 873.
Box-making ejecting mechanism. C. Burnham. No. 1,252,546; Jan. 8; v. 246; p. 354.
Box-making machine. C. Burnham. No. 1,252,544; Jan. 8; v. 246; p. 353.
Box-making machine. C. Burnham. No. 1,252,545; Jan. 8; v. 246; p. 353.
Box-making machine. A. J. Kusterer and C. Sanders. No. 1,282,597; Oct. 22; v. 255; p. 775.
Box-making machine. F. W. Laencher. No. 1,280,248; Oct. 1; v. 255; p. 37.

Box-making machine. Z. Lipowski. No. 1,279,730; Sept. 24; v. 254; p. 730.
Box-making machine. M. J. Milmoe. No. 1,267,101; May 21; v. 250; p. 676.
Box-making machine. M. Paridon. No. 1,277,252; Aug. 27; v. 253; p. 897.
Box-making machine, Pasteboard-. A. J. Evers. No. 1,257,988; Mar. 5; v. 248; p. 11.
Box-nailing machine. W. F. Harriett. No. 1,271,571; July 9; v. 252; p. 262.
Box-necking machine. M. J. Milmoe and F. B. Redington. No. 1,282,102; Oct. 22; v. 255; p. 640.
Box-press. H. E. Peterson. No. 1,270,201; June 18; v. 251; p. 641.
Box-shook-edge-trimming mechanism. G. A. Smith. No. 1,267,922; May 28; v. 250; p. 933.
Box-shook machine. E. L. Clark. No. 1,265,052; May 7; v. 250; p. 51.
Box-shook machine. H. E. Smith. No. 1,263,477; Apr. 23; v. 249; p. 780.
Box-stay. H. L. Camp. No. 1,252,234; Jan. 1; v. 246; p. 229.
Box-staying machine and the like. H. De Smith. No. 1,286,873; Dec. 3; v. 257; p. 163.
Box-staying machines and the like, Pressure adjustment for. E. M. Hawkins and O. M. Hoch. No. 1,272,802; July 16; v. 252; p. 636.
Box-strap seal. W. M. Brooks. No. 1,285,607; Nov. 26; v. 256; p. 663.
Box-strap seal. W. M. Brooks. No. 1,285,608; Nov. 26; v. 256; p. 663.
Box-straps, Tightener and seal for. W. M. Brooks. No. 1,273,115; July 16; v. 252; p. 722.
Box-strapping machine. T. R. Watson. No. 1,265,560; May 7; v. 250; p. 187.
Box-toe-treating apparatus. A. J. Ryan. No. 1,269,648; June 18; v. 251; p. 492.
Box-toes, Manufacture of. J. H. Ordway. No. 1,252,298; Jan. 1; v. 246; p. 248.
Box-toes, Means for stiffening. J. H. Ordway. No. 1,251,914; Jan. 1; v. 246; p. 140.
Box top, Twine-. T. Kamphefner. No. 1,272,456; July 16; v. 252; p. 537.
Box-trimming machine. A. Isert. No. 1,265,337; May 7; v. 250; p. 127.
Box-wrapping machines, Box-transferring mechanism for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,815; Jan. 1; v. 246; p. 113.
Box-wrapping machines, Combined second and third stage turn-in and finishing treatment for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,816; Jan. 1; v. 246; p. 113.
Box-wrapping machines, First-stage treatment for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,813; Jan. 1; v. 246; p. 112.
Box-wrapping machines, Second-stage treatment for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,251,814; Jan. 1; v. 246; p. 113.
Boxes, Bottom for knockdown. F. A. Fritze, Jr. No. 1,258,330; Mar. 5; v. 248; p. 111.
Boxes, Combined liner, display-card, and easel for. L. M. Hayden and J. J. Murphy. No. 1,282,573; Oct. 22; v. 255; p. 769.
Boxes, Forming. J. G. Bauer. No. 1,277,176; Aug. 27; v. 253; p. 879.
Boxes, Machine for covering the tops and bottoms of. H. S. Gipe. No. 1,289,729; Dec. 31; v. 257; p. 988.
Boxes, Making. M. R. Kondolf. No. 1,284,196; Nov. 5; v. 256; p. 200.
Boxes, Process and apparatus for making. M. R. Kondolf. No. 1,277,428; Sept. 3; v. 254; p. 27.
Boxes, Rolling desk and form for solid-end. H. B. Walter. No. 1,253,754; Jan. 15; v. 246; p. 735.
Boxer's practice apparatus. W. H. and R. B. McArdle. No. 1,267,678; May 28; v. 250; p. 863.
Boxing. W. E. White. No. 1,284,008; Nov. 5; v. 256; p. 149.
Brace: *See*—
Automobile-body brace.
Bed-brace.
Bed-spring brace.
Bit-brace.
Car end brace.
Chair-brace.
Dog-foot brace.
Fender-brace.
Hat-shape brace.
Joint-brace.
Radius-rod brace.
Rail-brace.
Rail-joint brace.
Stretcher-brace.
Track-brace.
Vehicle-running-gear brace.
Brace. G. M. Overtree and V. V. McMillen. No. 1,275,593; Aug. 13; v. 253; p. 374.
Brace. H. H. Young. No. 1,289,347; Dec. 31; v. 257; p. 895.
Brace attachment for seats. H. C. Hart, Sr. No. 1,283,168; Oct. 29; v. 255; p. 960.
Braces, Attachment for. H. N. Bray and J. W. Forster. No. 1,279,505; Sept. 24; v. 254; p. 666.
Bracelet. R. Anderson. No. 1,276,607; Aug. 20; v. 253; p. 690.
Bracelet. A. Eklund. No. 1,279,852; Sept. 24; v. 254; p. 766.
Bracelet. H. E. Halseth. No. 1,268,965; June 11; v. 251; p. 271.
Bracelet. C. G. King. No. 1,264,810; Apr. 30; v. 249; p. 1178.
Bracelet. C. G. King. No. 1,284,903; Nov. 12; v. 256; p. 408.
Bracelet. C. G. King. No. 1,284,904; Nov. 12; v. 256; p. 408.
Bracelet. V. Palk. No. 1,283,883; Nov. 5; v. 256; p. 118.
Bracelet. C. R. Tost. No. 1,285,843; Nov. 26; v. 256; p. 724.
Bracelet-case. A. Horcasitas and M. Ruelas. No. 1,264,650; Apr. 30; v. 249; p. 1137.
Bracelet, Expansion-. M. Megurowsky. No. 1,259,544; Mar. 19; v. 248; p. 530.
Bracelet, Extensible. H. L. Kochanski. No. 1,263,903; Apr. 23; v. 249; p. 896.
Bracelet safety-clasp. I. R. Lederer. No. 1,258,919; Mar. 12; v. 248; p. 320.
Bracelets, Connector for band-. C. H. Patten. No. 1,255,923; Feb. 12; v. 247; p. 274.
Bracelets, &c., Hook-link for expansible. S. Levine. No. 1,282,442; Oct. 22; v. 255; p. 734.
Bracelets to watches, Means for the attachment of. E. G. Browne. No. 1,276,486; Aug. 20; v. 253; p. 656.
Bracket: *See*—
Adjustable bracket.
Bed-bottom corner-bracket.
Bench-bracket.
Bicycle flash-light bracket.
Bucket-supporting bracket.
Cabinet-bracket.
Curtain-bracket.
Curtain and shade bracket.
Curtain and shade supporting bracket.
Detachable bracket.
Drain-board bracket.
Electrical-instrument-supporting bracket
Extensible bracket.
Hanging bracket.
Headstone-bracket.
Insulator-bracket.
Lamp-bracket.
Light-bracket.
Oil-can bracket.
Pipe-bracket.
Roof-bracket.
Roofing-bracket.
Scaffold-bracket.
Shade-bracket.
Shade and curtain-pole supporting bracket.
Shade-roller bracket.
Shelf-bracket.
Sink-bracket.
Spring-bracket.
Telephone-bracket.
Tire-supporting bracket.
Universal extensible balanced bracket.
Vehicle-shipping bracket.
Wagon-rack bracket.
Washbasin-bracket.
Window-bracket.
Window-cleaner's bracket.
Bracket. H. H. Baker. No. 1,260,951; Mar. 26; v. 248; p. 967.
Bracket. G. B. Douglas. No. 1,276,501; Aug. 20; v. 253; p. 660.
Bracket. H. H. Hillman. No. 1,278,928; Sept. 17; v. 254; p. 488.
Bracket. S. C. Hills. No. 1,279,543; Sept. 24; v. 254; p. 676.
Bracket. S. Mittleburg. No. 1,276,677; Aug. 20; v. 253; p. 707.
Bracket. A. C. Shockey. No. 1,255,652; Feb. 5; v. 247; p. 156.
Bracket. J. Taussig. No. 1,254,170; Jan. 22; v. 246; p. 873.
Bracket. J. Taussig. No. 1,283,964; Nov. 5; v. 256; p. 138.
Bracket. J. H. Thompson. No. 1,261,975; Apr. 9; v. 249; p. 309.
Bracket. C. M. Wolfe. No. 1,287,553; Dec. 10; v. 257; p. 371.
Braid-applying attachment. A. G. Maynard. No. 1,286,703; Dec. 3; v. 257; p. 125.
Braiding-machine. R. W. Lotz. No. 1,287,368; Dec. 10; v. 257; p. 327.
Braiding-machine. F. Rosskothen. No. 1,260,063; Mar. 19; v. 248; p. 682.
Braiding-machine. E. F. Stanton. No. 1,285,451; Nov. 19; v. 256; p. 585.
Braiding-machine. O. R. Van Vechten. No. 1,264,458; Apr. 30; v. 249; p. 1083.
Braiding-machine carrier. E. S. Judkins. No. 1,258,781; Mar. 12; v. 248; p. 280.
Braiding-machine carrier. G. F. McCahey. No. 1,267,240; May 21; v. 250; p. 715.
Braiding-machine carrier. T. V. Wilson. No. 1,261,988; Apr. 9; v. 249; p. 313.
Braiding-machines, Strand-guide for. A. Petersen. No. 1,254,066; Jan. 22; v. 246; p. 843.
Braiding or other textile machines, Supply-carrier for. S. W. Wardwell. No. 1,265,146; May 7; v. 250; p. 77.
Brake: *See*—
Air-brake.
Automatic brake.
Automobile-brake.
Band-brake.
Bending-brake.
Bicycle coaster-brake.
Car-brake.
Car hand-brake.
Centrifugal-machine brake.
Clutch-brake.
Coaster-brake.
Crane-brake.
Electrofluid-pressure brake.
Electropneumatic brake.
Emergency-brake.
Empty and load brake.
Expansion-brake.
Fire-shutter brake.
Fluid-pressure brake.
Gyroscope-brake.
Hand-brake.
Hemp-brake.
Locomotive-brake.
Motor-controlled brake.
Note-sheet-controlling brake.
Phonograph-brake.
Rail-brake.
Railway-brake.
Safety-brake.
Ship-brake.
Speed-controlled brake.
Strap-brake.
Talking-machine brake.
Talking-machine automatic brake.
Truck-brake.
Vehicle-brake.
Vehicle emergency-brake.
Wagon-brake.
Wheel-brake.

Brake. J. H. Dickinson. No. 1,253,475; Jan. 15; v. 246; p. 656.
Brake. J. M. Eadie. No. 1,279,745; Sept. 24; v. 254; p. 734.
Brake. J. T. Halsey. No. 1,272,038; July 9; v. 252; p. 394.
Brake. W. G. Hurst. No. 1,274,885; Aug. 6; v. 253; p. 155.
Brake. E. D. Jenkins. No. 1,283,788; Nov. 5; v. 256; p. 91.
Brake. F. A. Kerns. No. 1,256,699; Feb. 19; v. 247; p. 540.
Brake. E. J. Lee. No. 1,264,820; Apr. 30; v. 249; p. 1180.
Brake. A. F. Masury and A. G. Herreshoff. No. 1,282,901; Oct. 29; v. 255; p. 887.
Brake. R. Paulson. No. 1,259,771; Mar. 19; v. 248; p. 594.
Brake. W. W. Roach. No. 1,278,081; Sept. 3; v. 254; p. 204.
Brake. M. M. Spaulding. No. 1,268,507; June 4; v. 251; p. 124.
Brake. H. A. Steen. No. 1,279,777; Sept. 24; v. 254; p. 744.
Brake-actuating mechanism. J. Eckert and J. Kirby, Jr. No. 1,266,236; May 14; v. 250; p. 407.
Brake apparatus, Fluid-pressure. W. V. Turner. No. 1,276,998; Aug. 27; v. 253; p. 830.
Brake apparatus, Fluid-pressure. W. V. Turner. No. 1,278,524; Sept. 10; v. 254; p. 348.
Brake apparatus, Speed-controlled. W. V. Turner. No. 1,255,357; Feb. 5; v. 247; p. 70.
Brake-applying means. W. Kaylor. No. 1,288,424; Dec. 17; v. 257; p. 616.
Brake arrangement. W. C. Hedgcock. No. 1,283,759; Nov. 5; v. 256; p. 84.
Brake arrangement. W. C. Hedgcock. No. 1,283,760; Nov. 5; v. 256; p. 84.
Brake attachment, Air-. F. W. Cox. No. 1,281,297; Oct. 15; v. 255; p. 383.
Brake attachment, Emergency. C. H. Tomlinson. No. 1,288,294; Dec. 17; v. 257; p. 587.
Brake attachment, Non-skid and emergency. C. H. M. Gronvold and M. Jackson. No. 1,264,386; Apr. 30; v. 249; p. 1061.
Brake-band. J. B. Leonard. No. 1,273,507; July 23; v. 252; p. 853.
Brake-band. J. F. Smith. No. 1,273,941; July 30; v. 252; p. 1010.
Brake-band, brake-shoe, and lining therefor. F. A. Headson. No. 1,264,924; May 7; v. 250; p. 14.
Brake-band lining. W. J. Lawton. No. 1,270,959; July 2; v. 252; p. 59.
Brake-beam. S. A. Crone. No. 1,272,778; July 16; v. 252; p. 629.
Brake-beam. W. C. Hedgcock. No. 1,255,604; Feb. 5; v. 247; p. 142.
Brake-beam. W. C. Hedgcock. No. 1,274,163; July 30; v. 252; p. 1071.
Brake-beam. W. C. Hedgcock. (Reissue.) No. 14,525; Oct. 1; v. 255; p. 140.
Brake-beam-balancing mechanism. C. E. Bauer. No. 1,286,500; Dec. 3; v. 257; p. 79.
Brake-beam construction. C. H. Williams. No. 1,255,967; Feb. 12; v. 247; p. 288.
Brake-beam fulcrum. G. H. Fahrenbruch and F. Holada. No. 1,262,933; Apr. 16; v. 249; p. 606.
Brake-beam hanger. W. F. Cremean. No. 1,289,401; Dec. 31; v. 257; p. 909.
Brake-beam hanger. H. E. Doerr. No. 1,257,590; Feb. 26; v. 247; p. 837.
Brake-beam hanger. C. A. Zweibel and L. E. Atwell. No. 1,287,566; Dec. 10; v. 257; p. 374.
Brake-beam-hanger-locking key. G. N. Van Sweringen. No. 1,277,157; Aug. 27; v. 253; p. 874.
Brake-beam release mechanism. C. H. Williams. No. 1,266,895; May 21; v. 250; p. 618.
Brake-beam safety-guard. C. H. Williams. No. 1,287,159; Dec. 10; v. 257; p. 275.
Brake-beam suspension. T. L. Burton. No. 1,261,487; Apr. 2; v. 249; p. 139.
Brake-beams, Fourth-point support for. F. R. Cornwall. No. 1,277,196; Aug. 27; v. 253; p. 884.
Brake-beams, Third and fourth point support for. F. T. De Long. No. 1,278,608; Sept. 10; v. 254; p. 370.
Brake-beams, Third-point support for. C. H. Williams. No. 1,278,540; Sept. 10; v. 254; p. 352.
Brake-block. G. R. Smith. No. 1,276,430; Aug. 20; v. 253; p. 641.
Brake device, Electric. A. C. Sargent. No. 1,266,057; May 14; v. 250; p. 356.
Brake device, Fluid-pressure. W. V. Turner. No. 1,256,618; Feb. 19; v. 247; p. 517.
Brake device, Fluid-pressure. W. V. Turner. No. 1,280,334; Oct. 1; v. 255; p. 62.
Brake device for motor-vehicles. C. Hulbert. No. 1,254,228; Jan. 22; v. 246; p. 890.
Brake device, Regenerative. W. V. Turner. No. 1,283,979; Nov. 5; v. 256; p. 142.
Brake-drums, Apparatus for forming. J. R. Winter. No. 1,272,751; July 16; v. 252; p. 622.
Brake-equalizer. F. Richard. No. 1,289,266; Dec. 31; v. 257; p. 875.
Brake-equalizer-centering device. W. C. Hedgcock. No. 1,283,757; Nov. 5; v. 256; p. 84.
Brake for sequence-switches. J. N. Reynolds. No. 1,279,909; Sept. 24; v. 254; p. 784.
Brake-handle. B. Schechter. No. 1,261,857; Apr. 9; v. 249; p. 277.
Brake-handle. B. Schechter. No. 1,267,280; May 21; v. 250; p. 725.
Brake-hanger. H. A. Wahlert. No. 1,282,995; Oct. 29; v. 255; p. 915.
Brake head and shoe balancing device. T. L. Burton. No. 1,269,257; June 11; v. 251; p. 353.
Brake-head, Automatically-adjustable. C. S. Knapp. No. 1,282,860; Oct. 29; v. 255; p. 876.
Brake-head-balancing device. T. L. Burton. No. 1,269,256; June 11; v. 251; p. 353.
Brake-head means, Adjustable. A. H. Peycke. No. 1,278,996; Sept. 17; v. 254; p. 506.
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Brake-lever strut. L. G. Miller and E. C. Long. No. 1,278,977; Sept. 17; v. 254; p. 501.
Brake-lining and preparing the same. W. D. Pardoe. No. 1,277,108; Aug. 27; v. 253; p. 860.
Brake lining, Coaster-. R. H. Madsen. No. 1,272,690; July 16; v. 252; p. 605.
Brake-mast. B. D. Lockwood. No. 1,286,678; Dec. 3; v. 257; p. 120.
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Brake mechanism. F. C. Coseo. No. 1,282,543; Oct. 22; v. 255; p. 761.
Brake mechanism. W. C. Hedgcock. No. 1,283,758; Nov. 5; v. 256; p. 84.
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Brake mechanism, Auxiliary. R. B. Liedloff. No. 1,254,246; Jan. 22; v. 246; p. 894.
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Brake mechanism for automobiles or motor-vehicles. H. Josephson. No. 1,270,838; July 2; v. 252; p. 24.
Brake mechanism for motor-vehicles. F. H. Farmer. No. 1,282,401; Oct. 22; v. 255; p. 723.
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Brake-operating mechanism. L. W. Horne. No. 1,261,934; Apr. 9; v. 249; p. 297.
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Brakes, Automatic means for setting train-. E. T. Walsh. No. 1,261,875; Apr. 9; v. 249; p. 282.
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Brassière. W. Kops. No. 1,253,052; Jan. 8; v. 246; p. 502.
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Bread-knife. W. Anderson. No. 1,254,563; Jan. 22; v. 246; p. 986.
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Bread-making process and machine. D. Chidlow. No. 1,255,293; Feb. 5; v. 247; p. 51.
Bread, Manufacture of leavened. H. A. Kohman. No. 1,274,898; Aug. 6; v. 253; p. 159.
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Bread softener, Altar-. P. P. Surusaitis. No. 1,266,751; May 21; v. 250; p. 570.
Bread, Treating. H. J. Lueders. No. 1,282,251; Oct. 22; v. 255; p. 682.
Bread-treating apparatus. H. J. Lueders. No. 1,282,252; Oct. 22; v. 255; p. 682.
Bread-wrappers or the like, Machine for sealing. R. Sejnoha. No. 1,286,804; Dec. 3; v. 257; p. 147.
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Breast-drill. J. H. Rusby. No. 1,268,157; June 4; v. 251; p. 25.
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Brick and making same. C. E. Fuller. No. 1,261,114; Apr. 2; v. 249; p. 36.
Brick and other like machine. G. J. Craigen. No. 1,281,298; Oct. 15; v. 255; p. 384.
Brick and similar articles, Making. S. J. Hayde. No. 1,255,878; Feb. 12; v. 247; p. 261.
Brick and the like and making the same. A. C. Spencer. No. 1,269,331; June 11; v. 251; p. 374.
Brick-drying apparatus. J. C. Boss. No. 1,253,925; Jan. 15; v. 246; p. 783.
Brick-drying apparatus. E. J. Moore. No. 1,288,116; Dec. 17; v. 257; p. 544.
Brick-hacking apparatus. R. C. Penfield. No. 1,290,015; Dec. 31; v. 257; p. 1059.
Brick-hacking machine. B. S. Moore. No. 1,288,962; Dec. 24; v. 257; p. 776.
Brick-handling apparatus. W. W. Dickinson, Jr. (Reissue.) No. 14,433; Feb. 19; v. 247; p. 717.
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Brick heaters, Operation of checker-. A. Pfoser and O. Strack. No. 1,257,524; Feb. 26; v. 247; p. 817.
Brick-joint raker. F. M. Collins. No. 1,262,018; Apr. 9; v. 249; p. 320.
Brick-kiln. E. H. A. Bollbuck. No. 1,277,539; Sept. 3; v. 254; p. 57.
Brick-laying machine. J. Thomson. No. 1,277,777; Sept. 3; v. 254; p. 124.
Brick-lifter. R. C. Penfield. No. 1,265,106; May 7; v. 250; p. 66.
Brick, Machine for making silica. V. H. Soisson. No. 1,282,970; Oct. 29; v. 255; p. 907.
Brick-mold. F. P. Bunker. No. 1,268,676; June 4; v. 251; p. 172.
Brick-molding machine. W. H. Haws. No. 1,284,670; Nov. 12; v. 256; p. 348.
Brick-molding machines, Automatic mold-feeding apparatus for. W. Sheridon. No. 1,273,008; July 16; v. 252; p. 694.
Brick-press. H. J. Flood. No. 1,268,226; June 4; v. 251; p. 44.
Brick-press. T. P. Tomkovich. No. 1,280,331; Oct. 1; v. 255; p. 61.
Brick-re-pressing machine. D. H. Close. No. 1,262,016; Apr. 9; v. 249; p. 320.
Brick-scoring mechanism. W. B. Robinson. No. 1,272,523; July 16; v. 252; p. 558.
Brick-surfacing machine. J. Stocke, Jr., and M. J. Merrell. No. 1,259,158; Mar. 12; v. 248; p. 390.
Bricks, blocks, posts, and the like, Composition for. R. Ryan and T. Smith. No. 1,269,649; June 18; v. 251; p. 492.
Bricks, Machine for ornamenting the faces of. F. A. Hoiles. No. 1,283,770; Nov. 5; v. 256; p. 87.

Bricks, Treatment of furnace-. A. M. Duckham. No. 1,252,415; Jan. 8: v. 246; p. 315.
Brickmaking-machine. F. R. Stebm. No. 1,280,575; Oct. 1; v. 255; p. 128.
Bridge. H. Geiner. No. 1,253,809; Jan. 15; v. 246; p. 750.
Bridge and other army equipment combined, Pontoon-. F. Fredeen. No. 1,279,097; Sept. 17; v. 254; p. 532.
Bridge attachment, Removable. C. Nishi. No. 1,288,655; Dec. 24; v. 257; p. 702.
Bridge, Bascule-. T. E. Brown, Jr. No. 1,251,634; Jan. 1; v. 246; p. 57.
Bridge, Bascule-. T. E. Brown, Jr. No. 1,254,772; Jan. 29; v. 246; p. 1078.
Bridge, Bascule-. T. E. Brown, Jr. No. 1,254,773; Jan. 29; v. 246; p. 1078.
Bridge construction. W. G. Adams. No. 1,252,873; Jan. 8; v. 246; p. 446.
Bridge-gate. D. H. Cosham. No. 1,265,617; May 7; v. 250; p. 202.
Bridge, Lift-. J. L. Harrington. No. 1,285,696; Nov. 26; v. 256; p. 685.
Bridge, Long-span cantaliver-. C. A. P. Turner. No. 1,256,081; Feb. 12; v. 247; p. 322.
Bridge, Manhole-. J. J. Irvine. No. 1,255,424; Feb. 5; v. 247; p. 90.
Bridge, Side-paneled. O. J. Westcott. No. 1,252,066; Jan. 1; v. 246; p. 184.
Bridge, Suspension lift-. J. B. Strauss. No. 1,269,976; June 18; v. 251; p. 581.
Bridge-timber conveyer. I. James. No. 1,262,586; Apr. 9; v. 249; p. 479.
Bridge-type-phase splitter-control system. M. Hartenheim. No. 1,284,326; Nov. 12; v. 256; p. 263.
Bridgework, Anchor attachment for removable. W. F. Shaw. No. 1,262,705; Apr. 16; v. 249; p. 541.
Bridle. J. M. Walsh. No. 1,280,910; Oct. 8; v. 255; p. 246.
Bridle-bit. W. E. Phillips. No. 1,281,203; Oct. 8; v. 255; p. 327.
Bridle-bit. E. V. Rowley. No. 1,258,145; Mar. 5; v. 248; p. 57.
Bridle-bit. S. C. Sabio. No. 1,281,215; Oct. 8; v. 255; p. 330.
Brief-case. L. A. Olwell. No. 1,261,159; Apr. 2; v. 249; p. 47.
Brine, Treating. E. O. Barstow. No. 1,270,589; June 25; v. 251; p. 775.
Briquet. E. B. A. and R. A. Zwoyer. No. 1,258,849; Mar. 12; v. 248; p. 301.
Briquet and making same. C. H. Smith. No. 1,276,429; Aug. 20; v. 253; p. 640.
Briquet-machine. E. Fernholtz. No. 1,265,441; May 7; v. 250; p. 157.
Briquet-making machine. F. E. Berlin. No. 1,282,370; Oct. 22; v. 255; p. 714.
Briquet-molding machine. C. E. Taylor. No. 1,265,138; May 7; v. 250; p. 75.
Briqueting and the product. E. R. Sutcliffe. No. 1,283,354; Oct. 29; v. 255; p. 1009.
Broach. J. A. Eden, Jr. No. 1,275,006; Aug. 6; v. 253; p. 188.
Broach. C. F. Heinkel. No. 1,287,686; Dec. 17; v. 257; p. 436.
Broach. J. Oakley. No. 1,272,841; July 16; v. 252; p. 648.
Broadcaster, Surface-. H. N. Tyson. No. 1,284,162; Nov. 5; v. 256; p. 191.
Broiler. A. Bourcheix. No. 1,279,237; Sept. 17; v. 254; p. 568.
Broiler. B. De Ganner. No. 1,279,668; Sept. 24; v. 254; p. 713
Broiler. J. C. Hollands. No. 1,257,234; Feb. 19; v. 247; p. 696.
Broiler. E. B. House. No. 1,286,640; Dec. 3; v. 257; p. 112.
Broiler. O. E. Lindroth. No. 1,263,331; Apr. 16; v. 249; p. 716.
Bromin, Producing. R. Datta. No. 1,267,638; May 28; v. 250; p. 853.
Bromodiethylacetylurethanes. J. Callsen. No. 1,256,293; Feb. 12; v. 247; p. 385.
Bronzing apparatus. F. Gilbert. No. 1,266,453; May 14; v. 250; p. 464.
Bronzing-machine. J. L. Del Nore. No. 1,271,443; July 2; v. 252; p. 192.
Bronzing-machine. W. A. McClelland. No. 1,266,134; May 14; v. 250; p. 378.
Bronzing or coloring of metallic surfaces. Q. Sestini and T. Rondelli. No. 1,277,761; Sept. 3; v. 254; p. 121.
Brooch. C. G. King. No. 1,255,890; Feb. 12; v. 247; p. 265.
Brood-frames, Device for assembling. C. O. Bruno. No. 1,274,240; July 30; v. 252; p. 1093.
Brooder. G. Knieriemen. No. 1,268,853; June 11; v. 251; p. 240.
Brooder. J. F. MacKay. (Reissue.) No. 14,419; Jan. 8; v. 246; p. 546.
Brooder. E. Maurer. No. 1,275,065; Aug. 6; v. 253; p. 206.
Brooder. M. Miller. No. 1,262,541; Apr. 9; v. 249; p. 466.
Brooder. J. F. Plath. No. 1,257,023; Feb. 19; v. 247; p. 637.
Brooder, Automatic. J. R. Hargie. No. 1,266,462; May 14; v. 250; p. 466.
Brooder, Chicken-. C. E. Allspach. No. 1,257,063; Feb. 19; v. 247; p. 647.
Brooder, Chicken-. L. C. Teel. No. 1,265,548; May 7; v. 250; p. 184.
Brooder-heater. C. L. Vennum. No. 1,261,461; Apr. 2; v. 249; p. 133.
Broom. J. D. Bond. No. 1,284,576; Nov. 12; v. 256; p. 324.
Broom. E. Hodaly. No. 1,283,410; Oct. 29; v. 255; p. 1024.
Broom. I. J. Hollensbe. No. 1,267,550; May 28; v. 250; p. 827.
Broom. H. G. Homan. No. 1,267,074; May 21; v. 250; p. 669.
Broom. J. H. Lee. No. 1,280,050; Sept. 24; v. 254; p. 821.
Broom. F. D. Schleicher. No. 1,278,227; Sept. 10; v. 254; p. 269.
Broom. A. Stiles. No. 1,277,662; Sept. 3; v. 254; p. 92.
Broom attachment. N. A. Armstrong. No. 1,287,818; Dec. 17; v. 257; p. 470.
Broom-clamping machine. N. H. Beebe. No. 1,252,992; Jan. 8; v. 246; p. 483.
Broom-clamping machine. H. E. Smith and G. W. Duvall. No. 1,257,138; Feb. 19; v. 247; p. 667.
Broom construction. W. E. Hockett. No. 1,254,138; Jan. 22; v. 246; p. 865.
Broom-corn tabler. M. L. Wade. No. 1,267,019; May 21; v. 250; p. 653.
Broom-handle, Detachable. E. Krantz. No. 1,289,816; Dec. 31; v. 257; p. 1010.
Broom-handle, Detachable. E. E. Stokes. No. 1,253,904; Jan. 15; v. 246; p. 777.
Broom-handles or the like, Holder for. G. H. Reimer. No. 1,279,440; Sept. 17; v. 254; p. 624.
Broom-hanger. H. A. Sharenbroich. No. 1,278,767; Sept. 10; v. 254; p. 413.
Broom-holder. N. Chouvaldjy. No. 1,262,920; Apr. 16; v. 249; p. 603.
Broom-holder. I. N. Iker. No. 1,285,195; Nov. 19; v. 256; p. 521.
Broom-holder. S. Moncrief. No. 1,275,070; Aug. 6; v. 253; p. 207.
Broom-holder. J. W. Neistrath. No. 1,280,072; Sept. 24; v. 254; p. 827.
Broom-holder. L. A. Reiser. No. 1,262,258; Apr. 9; v. 249; p. 387.
Broom-holder. D. M. Veach. No. 1,288,768; Dec. 24; v. 257; p. 729.
Broom machinery, Automatic carrier for feeding. I. J. Hollensbe. No. 1,266,947; May 21; v. 250; p. 633.
Broom-making machine. G. W. Manning. No. 1,281,804; Oct. 15; v. 255; p. 520.
Broom-protector. H. C. Koehler. No. 1,287,047; Dec. 10; v. 257; p. 246.
Broom-rack. J. S. Horn. No. 1,272,265; July 9; v. 252; p. 457.
Broom-stapling machine. S. C. Lay and F. M. Baker. No. 1,275,052; Aug. 6; v. 253; p. 202.
Broom-stapling machine. S. C. Lay and F. M. Baker. No. 1,279,885; Sept. 24; v. 254; p. 776.
Broom, Sweeping-. J. H. Wolf. No. 1,263,304; Apr. 16; v. 249; p. 709.
Brooms, Making. O. B. Weir and G. W. Powers. No. 1,263,172; Apr. 16; v. 249; p. 675.
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Brush. O. L. Cleman and A. Porret. No. 1,256,662; Feb. 19; v. 247; p. 529.
Brush. H. E. Hoover. No. 1,286,321; Dec. 3; v. 257; p. 33.
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Brush. J. M. Smith. No. 1,278,242; Sept. 10; v. 254; p. 273.
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Brush, Air-. S. J. Heinrich. No. 1,272,438; July 16; v. 252; p. 532.
Brush, Air-. J. Rouge. No. 1,270,553; June 25; v. 251; p. 765.
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Brush and comb construction. F. Cieszkowski. No. 1,277,858; Sept. 3; v. 254; p. 146.
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Brush, Bath-. R. Brown. No. 1,287,628; Dec. 17; v. 257; p. 421.
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Brush, Folding. E. C. Rosenberg. No. 1,283,920; Nov. 5; v. 256; p. 127.
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Brush-making-machine throat. N. Tholl. No. 1,276,994; Aug. 27; v. 253; p. 828.
Brush or cleaner for cleaning flues of steam-boilers, Metallic. F. W. Ayrhart. No. 1,278,823; Sept. 17; v. 254; p. 459.
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Buckets, Grapple for well-. W. Craig. No. 1,268,686; June 4; v. 251; p. 174.
Buckle. H. E. Adams. No. 1,253,455; Jan. 15; v. 246; p. 651.
Buckle. C. E. Bradshaw. No. 1,274,671; Aug. 6; v. 253; p. 95.
Buckle. D. F. Dalton. No. 1,264,022; Apr. 23; v. 249; p. 928.
Buckle. F. J. Dunleavy. No. 1,269,066; June 11; v. 251; p. 300.
Buckle. A. G. Eklund. No. 1,273,340; July 23; v. 252; p. 807.
Buckle. J. D. Gillan. No. 1,262,773; Apr. 16; v. 249; p. 561.
Buckle. A. A. Greene. No. 1,265,324; May 7; v. 250; p. 123.
Buckle. E. J. Hayden and E. Hausotter. No. 1,278,340; Sept. 10; v. 254; p. 300.
Buckle. A. W. Kumlin. No. 1,256,238; Feb. 12; v. 247; p. 370.
Buckle. S. L. Lederer and G. U. Meyer. No. 1,276,232; Aug. 20; v. 253; p. 584.
Buckle. E. B. McConahy. No. 1,275,578; Aug. 13; v. 253; p. 370.
Buckle. L. M. Molloy. No. 1,282,704; Oct. 22; v. 255; p. 805.
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Buckle. B. F. Orewiler. No. 1,282,925; Oct. 29; v. 255; p. 894.
Buckle. R. D. Pearson. No. 1,258,359; Mar. 5; v. 248; p. 118.
Buckle. J. F. Rioux. No. 1,266,629; May 21; v. 250; p. 545.
Buckle. F. A. Russ. No. 1,257,935; Feb. 26; v. 247; p. 937.
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Buckle. J. H. Tabler. No. 1,264,996; May 7; v. 250; p. 35.
Buckle. E. H. Wheeler. No. 1,268,412; June 4; v. 251; p. 97.
Buckle. H. J. Wilton. No. 1,260,844; Mar. 26; v. 248; p. 939.
Buckle attachment. J. W. Barrelet. No. 1,279,498; Sept. 24; v. 254; p. 664.
Buckle, Back-band. L. Elkin. No. 1,288,852; Dec. 24; v. 257; p. 748.
Buckle, Back-band. O. W. Ward. No. 1,279,797; Sept. 24; v. 254; p. 750.
Buckle, Bale-tie. F. Schutz. No. 1,272,127; July 9; v. 252; p. 420.
Buckle, Belt-. H. Beaudry. No. 1,253,336; Jan. 15; v. 246; p. 614.
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Buckle, Belt-. J. A. Pryor. No. 1,278,747; Sept. 10; v. 254; p. 408.
Buckle, Belt-. O. R. Rust. No. 1,263,605; Apr. 23; v. 249; p. 815.
Buckle, Brassière-. B. F. Orewiler. No. 1,267,895; May 28; v. 250; p. 926.
Buckle for straps or belts. H. H. Swanton. No. 1,285,461; Nov. 19; v. 256; p. 588.
Buckle-holder. C. G. Marker. No. 1,288,096; Dec. 17; v. 257; p. 540.
Buckle, Machine-belt. C. H. Buettner. No. 1,258,088; Mar. 5; v. 248; p. 41.
Buckle or fastening device for straps, bands, and the like. A. G. France. No. 1,274,030; July 30; v. 252; p. 1034.
Buckle or the like. C. S. Comstock, Sr. No. 1,273,460; July 23; v. 252; p. 840.
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Bucksaw. D. W. Smith. No. 1,253,898; Jan. 15; v. 246; p. 776.
Buffer. C. F. Barndt. No. 1,263,996; Apr. 23; v. 249; p. 921.
Buffer. W. E. Coffin. No. 1,284,243; Nov. 12; v. 256; p. 240.
Buffer. E. Timmerhoff. No. 1,275,500; Aug. 13; v. 253; p. 349.
Buffing-machine. L. J. Bazzoni. No. 1,274,366; Aug. 6; v. 253; p. 4.
Buffing-machine. P. T. Beier and F. Bock. No. 1,280,639; Oct. 8; v. 255; p. 171.
Buffing-machine. S. Cooper. No. 1,267,634; May 28; v. 250; p. 852.
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Bug-trap. W. Müller. No. 1,261,842; Apr. 9; v. 249; p. 274.
Building. H. G. Hunter. No. 1,282,583; Oct. 22; v. 255; p. 772.
Building. J. G. Stadelman. No. 1,261,173; Apr. 2; v. 249; p. 51.
Building and structural purposes, Composition of matter for. W. U. Gury. No. 1,279,119; Sept. 17; v. 254; p. 537.
Building-block. G. Atterbury. No. 1,255,573; Feb. 5; v. 247; p. 134.
Building-block. G. Bacigalupo. No. 1,269,674; June 18; v. 251; p. 499.
Building-block. C. Baum. No. 1,277,829; Sept. 3; v. 254; p. 138.
Building-block. T. F. Bower. No. 1,264,606; Apr. 30; 249; p. 1124.
Building-block. R. M. Havens. No. 1,265,447; May 7; v. 250; p. 158.
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Building-block, Hollow clay-tile. R. G. Bone. No. 1,263,027; Apr. 16; v. 249; p. 633.
Building-block, Interlocking. R. H. Groves. No. 1,271,160; July 2; v. 252; p. 114.
Building-block, Interlocking. E. S. Lemme. No. 1,282,090; Oct. 22; v. 255; p. 637.
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Building-block mold. T. R. Williams. No. 1,277,674; Sept. 3; v. 254; p. 95.
Building-column. J. Lally. No. 1,261,407; Apr. 2; v. 249; p. 118.
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Building construction. R. M. Havens. No. 1,280,726; Oct. 8; v. 255; p. 195.

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Building construction. C. T. McFarland. No. 1,254,249; Jan. 22; v. 246; p. 895.
Building construction. R. W. Schweimler and P. A. Poulalion. No. 1,255,235; Feb. 5; v. 247; p. 34.
Building construction. E. D. Smith. No. 1,280,320; Oct. 1; v. 255; p. 58.
Building construction. P. M. Stewart. No. 1,264,991; May 7; v. 250; p. 33.
Building construction. A. Wickey. No. 1,275,345; Aug. 13; v. 253; p. 307.
Building construction and block therefor. R. W. Lyle. No. 1,265,220; May 7; v. 250; p. 96.
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Building construction, Wooden. B. C. Rockwell. No. 1,265,250; May 7; v. 250; p. 104.
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Gas-burner.
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Hydrocarbon-burner.
Hydrocarbon-fuel burner.
Incandescent gas-burner.
Kerosene-burner.
Lamp-burner.
Lantern-burner.
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Bushing for fastening boxes, Screw-. E. McCaffray. No. 1,251,676; Jan. 1; v. 246; p. 71.
Bushing-remover. F. O. Albertson. No. 1,286,897; Dec. 10; v. 257; p. 209.
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Bushings, Means for removing and replacing wrist-pin. F. C. Jones. No. 1,280,233; Oct. 1; v. 255; p. 33.
Bushings usable, Rendering worn. C. P. Beach. No. 1,276,013; Aug. 20; v. 253; p. 523.
Business, Means employed in the art of transacting. E. C. Albree. No. 1,258,081; Mar. 5; v. 248; p. 38.
Busk and stay-fastening. H. T. Ozanne. No. 1,253,521; Jan. 15; v. 246; p. 668.
Bust-form. M. A. E. Cook. No. 1,256,203; Feb. 12; v. 247; p. 360.
Bust-supporter. M. Hacker. No. 1,262,332; Apr. 9; v. 249; p. 407.
Bust-supporter and shoulder-brace, Combination. R. B. Scognamillo. No. 1,264,337; Apr. 30; v. 249; p. 1047.
Buster-bar. J. T. Coneeny and W. Young. No. 1,266,215; May 14; v. 250; p. 401.
Butcher's vat. W. H. Miller. No. 1,257,726; Feb. 26; v. 247; p. 877.
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Butter, Artificial. S. M. Dick. No. 1,258,997; Mar. 12; v. 248; p. 344.
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Butter-cutter. G. A. Selvig. No. 1,288,702; Dec. 24; v. 257; p. 713.
Butter-dispenser. H. Geilsdorfer and A. Pitzer. No. 1,288,558; Dec. 24; v. 257; p. 678.
Butter-dispensing apparatus. N. Kavgas and W. K. Zweeres. No. 1,253,602; Jan. 15; v. 246; p. 691.
Butter-dispensing machine. T. Tripolitis. No. 1,284,493; Nov. 12; v. 256; p. 304.
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Butter, Making composition. S. M. Dick. No. 1,258,996; Mar. 12; v. 248; p. 344.
Butter-making machine. W. R. Nicoll. No. 1,275,978; Aug. 13; v. 253; p. 482.
Butter-merger. J. K. Hawkins. No. 1,280,458; Oct. 1; v. 255; p. 95.
Butter-merging machine. R. N. Eggleston. No. 1,279,306; Sept. 17; v. 254; p. 588.
Butter-mold. J. Higginbotham. No. 1,257,230; Feb. 19; v. 247; p. 695.
Butter or other substances, Machine for cutting. S. G. Walstead. No. 1,288,771; Dec. 24; v. 257; p. 730.
Butter-printer. W. R. Nicoll. No. 1,268,600; June 4; v. 251; p. 151.
Butter-server. B. D. Straight. No. 1,268,510; June 4; v. 251; p. 125.
Butter substitute, Manufacturing. W. Joungster. No. 1,261,820; Apr. 9; v. 249; p. 267.
Buttering device. S. Singleton. No. 1,260,822; Mar. 26; v. 248; p. 933.
Buttering devices. Heating element for. G. L. Chatfield. No. 1,255,985; Feb. 12; v. 247; p. 294.
Button. O. E. H. Angell. No. 1,280,941; Oct. 8; v. 255; p. 254.
Button. J. S. Birnzweig. No. 1,262,166; Apr. 9; v. 249; p. 362.
Button. W. E. Edwards. No. 1,273,160; July 23; v. 252; p. 761.
Button. F. L. La Point. No. 1,266,961; May 21; v. 250; p. 636.
Button. P. M. Mahlberg. No. 1,272,829; July 16; v. 252; p. 644.
Button. G. H. Morris. No. 1,268,868; June 11; v. 251; p. 245.
Button, P. Schneider. No. 1,251,927; Jan. 1; v. 246; p. 143.
Button. J. A. Sebenius. No. 1,266,867; May 21; v. 250; p. 610.
Button. E. D. Simons. No. 1,257,642; Feb. 26; v. 247; p. 851.
Button. A. Vogelsang. No. 1,270,467; June 25; v. 251; p. 741.
Button and buttoner, Combined collar. W. M. Isaacs. No. 1,275,931; Aug. 13; v. 253; p. 469.
Button and necktie-slide, Combined collar-. E. Potter. No. 1,280,084; Sept. 24; v. 254; p. 830.
Button-attaching and fastener-setting machine. F. L. Harmon. No. 1,282,225; Oct. 22; v. 255; p. 675.
Button-attaching device. G. R. Mitchell. No. 1,254,055; Jan. 22; v. 246; p. 840.
Button-attaching device. E. F. Silkman. No. 1,258,483; Mar. 5; v. 248; p. 155.
Button-attaching machine. B. T. Leveque. No. 1,263,441; Apr. 23; v. 249; p. 770.
Button-attaching machines, Button and fastener feeding mechanism for. F. L. Harmon. No. 1,282,226; Oct. 22; v. 255; p. 675.
Button-attaching machines, Clutch mechanism for. F. R. White. No. 1,256,755; Feb. 19; v. 247; p. 555.
Button-attaching machines, Staple forming and setting mechanism for shoe-. J. F. Reed. No. 1,279,002; Sept. 17; v. 254; p. 508.
Button-attaching means. F. de la Parra. No. 1,278,446; Sept. 10; v. 254; p. 325.
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Button-blank-slitting machine. N. Barry. No. 1,264,595; Apr. 30; v. 249; p. 1121.
Button-card and independent lock-stitch therefor. A. L. Currier. No. 1,260,519; Mar. 26; v. 248; p. 845.
Button-card and lock loop-stitch for fastening buttons. A. L. Currier. No. 1,260,517; Mar. 26; v. 248; p. 844.
Button-carding machine. G. F. Thayer. No. 1,273,552; July 23; v. 252; p. 864.
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Button-clasp. H. J. Stuart. No. 1,283,955; Nov. 5; v. 256; p. 136.
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Button, Collar-. J. A. Higgs. No. 1,278,927; Sept. 17; v. 254; p. 488.
Button, Collar-. E. M. Lang, Jr. No. 1,274,060; July 30; v. 252; p. 1042.
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Cabinet, Baby-. R. H. Wilson. No. 1,288,347; Dec. 17; v. 257; p. 598.
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Cabinet for disk records. A. G. Thomas. No. 1,289,961; Dec. 31; v. 257; p. 1046.
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Cabinet, Pie-carrier. C. C. Blalock. No. 1,264,002; Apr. 23; v. 249; p. 923.
Cabinet, Portable dressing-. V. W. Collier. No. 1,288,518; Dec. 24; v. 257; p. 668.
Cabinet, Printer's. H. L. Bullen. No. 1,283,655; Nov. 5; v. 256; p. 58.
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Cabinet, Record-. L. Skinner. No. 1,279,464; Sept. 17; v. 254; p. 630.
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Cabinet, Sewing-. F. P. Mitchell. No. 1,255,328; Feb. 5; v. 247; p. 61.
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Cabinet, Towel-supply. J. J. Parnell. No. 1,255,782; Feb. 5; v. 247; p. 193.
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Cabinet, Wardrobe-. G. H. Wheary. No. 1,251,947; Jan. 1; v. 246; p. 149.
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Cabinets, Record-ejector for record-. H. T. Scott. No. 1,288,229; Dec. 17; v. 257; p. 571.
Cable and fluid-stop, Filled. J. Wilkinson. No. 1,267,832; May 28; v. 250; p. 908.
Cable-attacher for salvage-work, Automatic. C. E. M. Tambacopolo. No. 1,289,957; Dec. 31; v. 257; p. 1045.
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Cable-clamp. J. H. Steele. No. 1,277,768; Sept. 3; v. 254; p. 122.
Cable-clamp. E. M. Tainter. No. 1,278,785; Sept. 10; v. 254; p. 418.
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Cable-cutting mechanism. J. E. Johannessen and O. A. Waage. No. 1,263,898; Apr. 23; v. 249; p. 894.
Cable-driving mechanism. H. B. Brockenbrough. No. 1,260,308; Mar. 26; v. 248; p. 782.
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Cable-hanger. J. Blackburn. No. 1,288,485; Dec. 24; v. 257; p. 659.
Cable-hanger. C. Masson. No. 1,260,695; Mar. 26; v. 248; p. 897.
Cable-hanger. G. Wrage. No. 1,289,995; Dec. 31; v. 257; p. 1054.
Cable ring and making the same, Wire-. J. R. Gammeter. No. 1,267,396; May 28; v. 250; p. 785.
Cable-splice. N. K. Bowman. No. 1,271,842; July 9; v. 252; p. 337.
Cable-splicer, Marlinespike. T. Beasley. No. 1,283,044; Oct. 29; v. 255; p. 927.
Cable, Submarine. E. W. Beardsley and P. W. Ham. No. 1,259,344; Mar. 12; v. 248; p. 442.
Cable take-up. H. L. and F. W. Zimmerman. No. 1,252,071; Jan. 1; v. 246; p. 185.
Cable-terminal. J. W. Bishop. No. 1,258,304; Mar. 5; v. 248; p. 103.
Cable-terminal pole. E. O. Schweitzer. No. 1,254,938; Jan. 29; v. 246; p. 1127.
Cable-tester. C. D. Stewart. No. 1,254,288; Jan. 22; v. 246; p. 907.
Cable-testing apparatus. E. O. Schweitzer. No. 1,262,103; Apr. 9; v. 249; p. 342.
Cable-winding machinery. P. A. Wickes and S. B. Gorbutt. No. 1,260,614; Mar. 26; v. 248; p. 874.
Cables, &c., Means for equalizing strains on. E. R. Pike. No. 1,261,286; Apr. 2; v. 249; p. 83.
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Caddy-bag. G. L. Pierce. No. 1,279,428; Sept. 17; v. 254; p. 621.
Cadmium-evolving process. W. M. Johnson. No. 1,271,172; July 2; v. 252; p. 119.
Caffein, Recovering. L. Fontanelli. No. 1,273,054; July 16; v. 252; p. 706.
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Cake-coating machine. W. Costello, Jr. No. 1,257,677; Feb. 26; v. 247; p. 861.
Cake-coating machine. B. J. Miracky. No. 1,255,624; Feb. 5; v. 247; p. 147.
Cake-cone holder and dipper. A. H. Vincent. No. 1,282,993; Oct. 29; v. 255; p. 914.
Cake containers, Machine for making. L. V. Johnson and O. H. Benson. No. 1,288,018; Dec. 17; v. 257; p. 519.
Cake-depositing machines, Pan-returning device for. B. S. Gorynski. No. 1,289,443; Dec. 31; v. 257; p. 920.
Cake machine, Batter-. J. W. Dixon and H. Eden. No. 1,265,629; May 7; v. 250; p. 205.
Cake products useful in the arts, Recovering from niter. L. T. Sherwood. No. 1,255,474; Feb. 5; v. 247; p. 104.
Cakes and the like, Device for feeding. A. Bleile. No. 1,272,608; July 16; v. 252; p. 580.
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Cameras, Film-mask for. R. S. Burdette. No. 1,280,958; Oct. 8; v. 255; p. 258.
Cameras, Film-pack adapter for. A. A. Ruttan and C. E. Hutchings. No. 1,266,323; May 14; v. 250; p. 430.
Cameras, Film-shifting mechanism for. O. Weis. No. 1,274,223; July 30; v. 252; p. 1089.
Cameras, Finder attachment for folding. A. D. Northrup. No. 1,264,842; Apr. 30; v. 249; p. 1187.
Cameras, Finder for. F. Matsui. No. 1,281,047; Oct. 8; v. 255; p. 283.
Cameras, Finder for photographic. C. F. Fulford and C. W. Carroll. No. 1,278,132; Sept. 10; v. 254; p. 243.
Cameras, Finder for photographic. C. A. Rich. No. 1,280,844; Oct. 8; v. 255; p. 230.
Cameras, Flexible shaft for moving-picture. E. Schneider. No. 1,270,061; June 18; v. 251; p. 603.
Cameras, Focusing-finder for photographic. C. F. Speidel, R. Kroedel, and W. A. Riddell. No. 1,257,648; Feb. 26; v. 247; p. 853.
Cameras, Focusing-hood for. R. W. Leach. No. 1,263,684; Apr. 23; v. 249; p. 835.
Cameras, Hand-crank for. W. Parkes. No. 1,278,992; Sept. 17; v. 254; p. 505.
Cameras, Indicia device for. W. F. Gongaware. No. 1,254,590; Jan. 22; v. 246; p. 993.
Cameras, Lamp-house for projection-. H. Davis. No. 1,270,269; June 25; v. 251; p. 685.
Cameras, Lens-front for. J. Goddard and W. S. Hutchings. No. 1,257,842; Feb. 26; v. 247; p. 911.
Cameras, Lens-shielding attachment for. B. M. Takahashi. No. 1,262,137; Apr. 9; v. 249; p. 352.
Cameras, Lens-shielding attachment for. B. M. Takahashi. No. 1,283,963; Nov. 5; v. 256; p. 138.
Cameras, machine-guns, and the like, Support for. W. M. Thomas. No. 1,272,574; July 16; v. 252; p. 570.
Cameras, Magazine-back for. W. F. Folmer. No. 1,255,868; Feb. 12; v. 247; p. 259.
Cameras, Optical-divergence determiner for. A. Freeman. No. 1,263,223; Apr. 16; v. 249; p. 689.
Cameras, Shutter-operating attachment for. G. R. Horton and J. M. Miller. No. 1,277,592; Sept. 3; v. 254; p. 72.
Cameras, View-finder for. C. H. Stout. No. 1,261,643; Apr. 2; v. 249; p. 185.
Cameras, View-finder for photographic. F. A. G. Pirwitz. No. 1,285,364; Nov. 19; v. 256; p. 563.
Cameras, Winding-key for photographic-film. W. A. Riddell. No. 1,266,319; May 14; v. 250; p. 429.
Camisole lace fabric. H. W. Hucknall. No. 1,280,035; Sept. 24; v. 254; p. 817.
Camp equipment. C. B. Winder. No. 1,260,845; Mar. 26; v. 248; p. 939.
Camp kit and table, Combination. R. W. Russell. No. 1,286,118; Nov. 26; v. 256; p. 789.
Camping outfits, Side extension for. G. Eber. No. 1,287,925; Dec. 17; v. 257; p. 497.
Camp-table, Collapsible. P. M. Kirkland. No. 1,262,356; Apr. 9; v. 249; p. 415.
Camp-table, Folding. H. R. Basford. No. 1,272,187; July 9; v. 252; p. 436.
Can: *See*—
Asparagus-can.
Coffee and the like can.
Friction-top can.
Garbage-can.
Ice-can.
Key-opening can.
Measuring and dispensing can.
Milk-can.
Milk-cooling can.
Oil-can.
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Can. E. L. Blevins. No. 1,284,571; Nov. 12; v. 256; p. 323.
Can. M. M. Brown. No. 1,266,396; May 14; v. 250; p. 448.
Can. W. E. Jones, Jr. No. 1,276,660; Aug. 20; v. 253; p. 703.
Can. H. F. Larios and A. A. Merrifield. No. 1,284,716; Nov. 12; v. 256; p. 360.
Can. M. B. Pratt. No. 1,252,494; Jan. 8; v. 246; p. 339.
Can. J. H. Upton. No. 1,284,824; Nov. 12; v. 256; p. 387.
Can. J. S. Wentworth. No. 1,273,018; July 16; v. 252; p. 697.
Can. J. H. Wilson. No. 1,270,758; June 25; v. 251; p. 878.
Can attachment, Oil-. O. F. Seiler. No. 1,278,764; Sept. 10; v. 254; p. 412.
Can-bodies or the like, Machine for flanging. P. Kruse. No. 1,263,076; Apr. 16; v. 249; p. 648.
Can-body-flanging device. F. W. Burpee. No. 1,289,111; Dec. 31; v. 257; p. 836.
Can-boxing machine. C. W. Blackstone. No. 1,286,212; Dec. 3; v. 257; p. 7.
Can-capping machine. E. Norton. No. 1,279,413; Sept. 17; v. 254; p. 617.
Can-capping tool. I. Newman. No. 1,266,519; May 14; v. 250; p. 482.
Can-cleaning machine, Milk-. H. D. Lathrop and W. H. Paulson. No. 1,289,824; Dec. 31; v. 257; p. 1013.
Can-closing apparatus, Filled-. I. F. Warme and J. C. Taliaferro. No. 1,270,078; June 18; v. 251; p. 607.
Can-closing mechanism. G. W. Gwinn. No. 1,276,523; Aug. 20; v. 253; p. 666.
Can closure and spout, Combined. F. H. Griffin. No. 1,264,503; Apr. 30; v. 249; p. 1095.
Can closure, Oil-. H. Herbert. No. 1,266,463; May 14; v. 250; p. 466.
Can container and server. T. J. Davis. No. 1,265,435; May 7; v. 250; p. 155.
Can container and server, Milk. T. J. Davis. (Reissue.) No. 14,456; Apr. 2; v. 249; p. 216.
Can-cover. J. Brenzinger. No. 1,287,206; Dec. 10; v. 257; p. 288.
Can-cover-feeding device. J. Brenzinger. No. 1,270,923; July 2; v. 252; p. 49.
Can-cover-flange-curling machine. J. Brenzinger. No. 1,287,207; Dec. 10; v. 257; p. 288.
Can cover, Ventilating cream-. W. B. Richardson. No. 1,259,047; Mar. 12; v. 248; p. 359.
Can-deheading machine. T. D. Miller. No. 1,263,338; Apr. 16; v. 249; p. 718.
Can-draining machine. S. Pittaluga. No. 1,254,269; Jan. 22; v. 246; p. 901.
Can end brace. W. P. Murphy. (Reissue.) No. 14,544; Oct. 29; v. 255; p. 1035.
Can-end-feeding mechanism for closing-machines. I. F. Warme and G. Fluck. No. 1,285,502; Nov. 19; v. 256; p. 597.
Can-end-seaming device. C. W. Graham. No. 1,262,327; Apr. 9; v. 249; p. 405.
Can-end separating and feeding machine. A. L. Duncan and C. E. Forry. No. 1,253,797; Jan. 15; v. 246; p. 747.
Can-end separator and feeder. G. W. Blankenhorn and T. Castberg. No. 1,272,764; July 16; v. 252; p. 625.
Can ends, Applying sanitary linings to. C. D. McDonald. No. 1,263,580; Apr. 23; v. 249; p. 808.
Can ends, Cutting and applying ring-liners to. J. A. Gray. No. 1,284,953; Nov. 12; v. 256; p. 421.
Can ends for the reception of ring-liners, Apparatus for preparing. I. D. Thornburgh. No. 1,261,976; Apr. 9; v. 249; p. 309.
Can ends, Removing. R. M. Huddleston. No. 1,257,285; Feb. 19; v. 247; p. 713.
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Can-feeding mechanism. F. G. Foss. No. 1,284,637; Nov. 12; v. 256; p. 339.
Can-feeding mechanism. F. G. Foss. No. 1,284,638; Nov. 12; v. 256; p. 340.
Can-filling machine. C. H. Ayars. No. 1,255,377; Feb. 5; v. 247; p. 76.
Can-filling machine. G. W. Blake. No. 1,278,097; Sept. 10; v. 254; p. 234.
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Can-filling machine. P. I. Longrod. No. 1,268,739; June 4; v. 251; p. 189.
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Can-filling machinery. H. H. Hood. No. 1,261,535; Apr. 2; v. 249; p. 154.
Can-handler. L. O. Waldo. No. 1,288,769; Dec. 24; v. 257; p. 729.
Can-handler, Adjustable. L. O. Waldo. No. 1,288,770; Dec. 24; v. 257; p. 730.
Can-handling device. E. Bonk and M. Plotka. No. 1,252,226; Jan. 1; v. 246; p. 227.
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Can-opener. J. N. Cayo. No. 1,276,620; Aug. 20; v. 253; p. 693.
Can-opener. J. E. Chase. No. 1,263,207; Apr. 16; v. 249; p. 684.
Can-opener. G. W. Edwards. No. 1,265,760; May 14; v. 250; p. 273.
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Can-washing machine. H. D. Lathrop and W. H. Paulson. No. 1,255,896; Feb. 12; v. 247; p. 267.
Can-washing machines, Brush mechanism for. A. B. Herr. No. 1,275,025; Aug. 6; v. 253; p. 193.
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Cans and the like, Apparatus for marking. J. S. Baker. No. 1,267,167; May 21; v. 250; p. 697.
Cans, Article-support for solidified-alcohol. F. D. Crane. No. 1,277,872; Sept. 3; v. 254; p. 150.
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Cans for shipment, Collapsing tin. D. G. Young. No. 1,273,306; July 23; v. 252; p. 798.
Cans, Machine for casing or boxing. J. L. Whitehurst and C. H. Wild. No. 1,253,997; Jan. 15; v. 246; p. 803.
Cans, Machine for seaming heads or ends on. P. Kruse. No. 1,278,941; Sept. 17; v. 254; p. 492.
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Canning device. J. F. Willson. No. 1,267,486; May 28; v. 250; p. 809.
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Canning machinery, Exhaust-box for. J. C. Taliaferro. No. 1,274,956; Aug. 6; v. 253; p. 175.
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Candle-holder, Foldable. J. A. Plopper. No. 1,277,476; Sept. 3; v. 254; p. 39.
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Cane and fishing-rod, Combination. L. Glowacki. No. 1,285,679; Nov. 26; v. 256; p. 682.
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Cane, Enhancing the growth of sugar-. C. F. Eckart. No. 1,287,267; Dec. 10; v. 257; p. 303.
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Cape, coat, and blanket, Convertible. L. Goldstein. No. 1,272,942; July 16; v. 252; p. 676.
Capsule-filler. P. J. Fleming and R. L. Dicks. No. 1,267,201; May 21; v. 250; p. 706.
Capsule injector, Breeding-. C. E. Dunn. No. 1,261,725; Apr. 2; v. 249; p. 206.
Capsule-machine. H. J. Hubert. No. 1,269,448; June 11; v. 251; p. 404.
Car. P. Brown. No. 1,275,376; Aug. 13; v. 253; p. 316.
Car. D. Clark. No. 1,264,899; May 7; v. 250; p. 8.
Car. A. Smith. No. 1,267,921; May 28; v. 250; p. 933.
Car. F. Steffens. No. 1,269,017; June 11; v. 251; p. 285.
Car air and electric coupling mechanism, Automatic. W. P. Bovard. No. 1,281,495; Oct. 15; v. 255; p. 438.
Car air and electric coupling mechanism, Automatic. C. H. Tomlinson. No. 1,287,799; Dec. 17; v. 257; p. 465.
Car anchorage, Tank-. W. J. Tangerman. No. 1,261,182; Apr. 2; v. 249; p. 54.
Car and electric coupling control. T. R. Brown. No. 1,269,253; June 11; v. 251; p. 352.
Car and hearse, Combined motor. H. A. Oberbeck, Jr. No. 1,255,920; Feb. 12; v. 247; p. 273.
Car and tipple, Automatic-dumping mining-. D. S. Allison. No. 1,278,551; Sept. 10; v. 254; p. 355.
Car arresting and holding device. A. Barraclough. No. 1,281,119; Oct. 8; v. 255; p. 302.
Car, Auto tram-. J. H. Terry. No. 1,259,166; Mar. 12; v. 248; p. 393.
Car-axle-box dust-guard. A. Currie. No. 1,289,044; Dec. 24; v. 257; p. 795.
Car-axle boxes, Dust-guard for. A. Currie. No. 1,286,949; Dec. 10; v. 257; p. 221.
Car-axle construction. E. C. Washburn. No. 1,285,504; Nov. 19; v. 256; p. 598.
Car-body. G. C. Abbe. No. 1,159,192; Mar. 12; v. 248; p. 399.
Car-bolster. E. W. Test. No. 1,265,401; May 7; v. 250; p. 146.
Car, Bottom-dump. O. G. Petersen. No. 1,263,283; Apr. 16; v. 249; p. 703.
Car, Box-. J. Montgomery. No. 1,263,095; Apr. 16; v. 249; p. 653.
Car-brake. J. Chabala. No. 1,270,377; June 25; v. 251; p. 715.
Car-brake. R. H. Minich. No. 1,281,193; Oct. 8; v. 255; p. 324.
Car-brake. J. Scott. No. 1,254,440; Jan. 22; v. 246; p. 951.
Car-brake attachment. G. A. Danielson and M. L. Hirsch. No. 1,276,625; Aug. 20; v. 253; p. 694.
Car-brake handle. J. Eckert. No. 1,276,337; Aug. 20; v. 253; p. 613.
Car-brake mechanism. E. H. Dewson. No. 1,269,263; June 11; v. 251; p. 355.
Car-brake mechanism. J. Kirby, Jr. No. 1,266,278; May 14; v. 418.
Car brake mechanism, Railway-. W. Marky. No. 1,284,205; Nov. 5; v. 256; p. 202.
Car-brake-operating mechanism. J. Eckert and J. Kirby, Jr. No. 1,266,235; May 14; v. 250; p. 407.
Car-brake-operating mechanism. T. H. McCauley. No. 1,285,281; Nov. 19; v. 256; p. 541.
Car-brake-operating mechanism. T. H. McCauley. No. 1,285,282; Nov. 19; v. 256; p. 542.
Car brake, Railway-. P. Cheselka. No. 1,256,660; Feb. 19; v. 247; p. 529.
Car brake, Railway-. F. Johnson. No. 1,269,086; June 11; v. 251; p. 305.
Car-brake, Safety. C. H. Keemer. No. 1,267,555; May 28; v. 250; p. 829.
Car-buffer construction, Railway-. G. E. Coutant and A. E. Lehmann. No. 1,270,791; July 2; v. 252; p. 10.
Car-buffer mechanism, Passenger-. J. F. O'Connor. No. 1,251,685; Jan. 1; v. 246; p. 73.
Car-bumper. D. Boies. No. 1,284,226; Nov. 12; v. 256; p. 235.
Car-bumper, Portable. J. Botsko. No. 1,268,090; June 4; v. 251; p. 6.
Car cagers, Control mechanism for automatic safety mine-. J. A. Nolan. No. 1,254,622; Jan. 22; v. 246; p. 1003.
Car, Cemetery-. J. M. Kincade. No. 1,266,601; May 21; v. 250; p. 536.
Car, Composite dump-. A. Campbell. No. 1,285,614; Nov. 26; v. 256; p. 664.
Car construction. G. B. Dorey. No. 1,251,647; Jan. 1; v. 246; p. 62.
Car construction. G. B. Dorey. No. 1,275,540; Aug. 13; v. 253; p. 360.
Car construction. F. Koch and A. K. Pehrson. No. 1,278,169; Sept. 10; v. 254; p. 253.
Car construction. K. F. Nystrom. No. 1,254,346; Jan. 22; v. 246; p. 924.
Car construction. A. E. Ostrander. No. 1,256,157; Feb. 12; v. 247; p. 344.
Car construction. A. E. Ostrander. No. 1,256,159; Feb. 12; v. 247; p. 345.
Car construction. J. Pearson. No. 1,261,604; Apr. 2; v. 249; p. 173.
Car construction. H. M. Pflager. No. 1,278,740; Sept. 10; v. 254; p. 406.
Car construction. H. M. Pflager. No. 1,279,424; Sept. 17; v. 254; p. 620.
Car construction. H. M. Pflager. No. 1,279,425; Sept. 17; v. 254; p. 620.
Car construction. H. M. Pflager. No. 1,280,081; Sept. 24; v. 254; p. 830.
Car construction. H. M. Pflager. No. 1,283,553; Nov. 5; v. 256; p. 30.
Car construction. T. N. Russell. No. 1,268,058; May 28; v. 250; p. 970.
Car construction. A. N. Warfield. No. 1,272,741; July 16; v. 252; p. 619.
Car construction. A. N. Warfield. No. 1,274,113; July 30; v. 252; p. 1057.
Car construction. J. M. Waugh. No. 1,262,572; Apr. 9; v. 249; p. 475.
Car construction. J. S. Worth. No. 1,273,564; July 23; v. 252; p. 868.
Car construction. W. H. Yost. No. 1,251,609; Jan. 1; v. 246; p. 50.
Car construction, Dump-. H. S. Hart. No. 1,273,853; July 30; v. 252; p. 984.
Car construction, Mine-. E. E. Slick. No. 1,261,308; Apr. 2; v. 249; p. 90.
Car construction, Side-. C. O. Hedstrom. No. 1,267,661; May 28; v. 250; p. 859.
Car-control device, Safety. W. V. Turner. No. 1,281,437; Oct. 15; v. 255; p. 423.
Car-control equipment, Safety. W. V. Turner. No. 1,265,005; May 7; v. 250; p. 37.
Car control mechanism, Dump-. A. M. Gow. No. 1,283,735; Nov. 5; v. 256; p. 78.
Car control, Safety. W. V. Turner. No. 1,273,104; July 16; v. 252; p. 719.
Car, Convertible dumping-. A. Campbell. No. 1,281,287; Oct. 15; v. 255; p. 380.
Car, Convertible freight-. R. W. Burnett. No. 1,285,024; Nov. 19; v. 256; p. 477.
Car, Convertible freight-. A. R. Pritchard. No. 1,283,890; Nov. 5; v. 256; p. 120.
Car-coupling. R. K. Anderson. No. 1,279,215; Sept. 17; v. 254; p. 563.
Car-coupling. A. J. Bazeley. No. 1,278,828; Sept. 17; v. 254; p. 460.
Car-coupling. T. R. Brown. No. 1,263,522; Apr. 23; v. 249; p. 792.
Car-coupling. J. A. Butkus and H. T. Gay. No. 1,289,646; Dec. 31; v. 257; p. 960.
Car-coupling. C. F. Hartkopf. No. 1,267,217; May 21; v. 250; p. 710.

Car-coupling. W. Kelso. No. 1,279,709; Sept. 24; v. 254; p. 724.
Car-coupling. W. S. Knisely. No. 1,262,211; Apr. 9; v. 249; p. 374.
Car-coupling. A. Machoroski. No. 1,257,904; Feb. 26; v. 247; p. 929.
Car-coupling. W. J. Ruff. No. 1,278,754; Sept. 10; v. 254; p. 410.
Car-coupling. J. H. Taylor and F. J. C. Seward. No. 1,280,330; Oct. 1; v. 255; p. 61.
Car-coupling anchorage. R. G. Averill. No. 1,277,355; Sept. 3; v. 254; p. 5.
Car-coupling, Automatic. H. F. Woernley. No. 1,286,475; Dec. 3; v. 257; p. 72.
Car coupling, Mining-. H. J. Williams. No. 1,278,541; Sept. 10; v. 254; p. 353.
Car-coupling-operating device. F. M. Turner and J. Dahlstrom. No. 1,252,061; Jan. 1; v. 246; p. 183.
Car-coupling, Steam, electric, and compressed-air. C. C. Ayres. No. 1,262,908; Apr. 16; v. 249; p. 599.
Car-couplings, Release-clevis for. E. Jones. No. 1,274,057; July 30; v. 252; p. 1041.
Car cover, Coal-. J. H. Bruce. No. 1,258,314; Mar. 5; v. 248; p. 106.
Car cover, Coal-. A. G. Kahn. No. 1,258,576; Mar. 5; v. 248; p. 184.
Car cover, Coal-. G. B. Miller. No. 1,270,646; June 25; v. 251; p. 789.
Car cover, Coal-. E. M. Shorter. No. 1,260,078; Mar. 19; v. 248; p. 685.
Car curtain, Motor-. E. E. Lloyd and J. Z. Curnutt. No. 1,266,504; May 14; v. 250; p. 478.
Car-diaphragm hood. H. H. Schroyer. No. 1,256,061; Feb. 12; v. 247; p. 315.
Car-diaphragm, Metal. H. H. Schroyer. No. 1,256,055; Feb. 12; v. 247; p. 313.
Car diaphragm, Metal vestibule-. H. H. Schroyer. No. 1,256,057; Feb. 12; v. 247; p. 313.
Car-diaphragm, Metallic. H. H. Schroyer. No. 1,256,056; Feb. 12; v. 247; p. 313.
Car-diaphragm, Telescoping metal. H. H. Schroyer. No. 1,256,054; Feb. 12; v. 247; p. 312.
Car-diaphragm, Unifold. H. H. Schroyer. No. 1,276,272; Aug. 20; v. 253; p. 595.
Car-diaphragms, Metal roof structure and seal for. H. H. Schroyer. No. 1,256,059; Feb. 12; v. 247; p. 314.
Car diaphragms, Roof structure for metal vestibule-. H. H. Schroyer. No. 1,256,058; Feb. 12; v. 247; p. 314.
Car, Divertible ballast-. A. Campbell. No. 1,256,107; Feb. 12; v. 247; p. 329.
Car-door. J. H. Coons. No. 1,258,194; Mar. 5; v. 248; p. 71.
Car-door. W. Coss and W. Stockhill. No. 1,260,874; Mar. 26; v. 248; p. 946.
Car-door. F. J. Gilroy. No. 1,255,154; Feb. 5; v. 247; p. 12.
Car-door. A. M. Hemberg. No. 1,256,797; Feb. 19; v. 247; p. 568.
Car-door. A. T. Kummer. No. 1,256,578; Feb. 19; v. 247; p. 505.
Car-door. E. D. Levy and H. W. Jacobs. No. 1,280,498; Oct. 1; v. 255; p. 107.
Car-door. L. G. Miller and E. C. Long. No. 1,280,270; Oct. 1; v. 255; p. 43.
Car-door. L. G. Miller and E. C. Long. No. 1,282,703; Oct. 22; v. 255; p. 805.
Car-door. A. M. Moylan. No. 1,287,730; Dec. 17; v. 257; p. 447.
Car-door. W. P. Murphy. No. 1,271,063; July 2; v. 252; p. 88.
Car-door. C. Sero. No. 1,277,651; Sept. 3; v. 254; p. 89.
Car-door, All-steel. A. J. B. Harris. No. 1,288,575; Dec. 24; v. 257; p. 682.
Car door and gangway, Stock-. C. D. Adams. No. 1,276,305; Aug. 20; v. 253; p. 604.
Car-door and hanger, Swinging. L. T. Kenny. No. 1,265,672; May 7; v. 250; p. 217.
Car door and locking mechanism therefor, Grain-. W. Layman. No. 1,262,064; Apr. 9; v. 249; p. 332.
Car-door arrangement, Dump-. E. W. Summers. No. 1,272,871; July 16; v. 252; p. 656.
Car door, Box-. J. Montgomery. No. 1,265,478; May 7; v. 250; p. 166.
Car door, Dumping-. C. H. Williamson. No. 1,287,548; Dec. 10; v. 257; p. 370.
Car-door, Flush. E. W. Hartough. No. 1,252,004; Jan. 1; v. 246; p. 165.
Car door, Freight-. J. L. Guerrant. No. 1,260,374; Mar. 26; v. 248; p. 803.
Car door, Freight-. W. Queenan and C. Farwell. No. 1,252,026; Jan. 1; v. 246; p. 172.
Car door, Freight-. J. S. Waugh. No. 1,273,017; July 16; v. 252; p. 696.
Car door, Grain-. R. W. Burnett. No. 1,255,382; Feb. 5; v. 247; p. 78.
Car door, Grain-. E. O. Doak. No. 1,253,160; Jan. 8; v. 246; p. 533.
Car door, Grain-. F. T. Gerdes. No. 1,274,159; July 30; v. 252; p. 1070.
Car door, Grain-. E. W. Hartough. No. 1,263,409; Apr. 23; v. 249; p. 760.
Car door, Grain-. R. R. Moffitt. No. 1,271,347; July 2; v. 252; p. 167.
Car door, Grain-. W. P. Ruble and W. B. Stevens. No. 1,275,477; Aug. 13; v. 253; p. 343.
Car-door hanger. W. T. Giberson. No. 1,287,959; Dec. 17; v. 257; p. 504.
Car-door hanger. D. J. Wyatt. No. 1,274,490; Aug. 6; v. 253; p. 43.
Car-door-hanger mechanism. P. M. Elliott. No. 1,276,738; Aug. 27; v. 253; p. 762.
Car-door lock. L. H. Bodimer. No. 1,281,279; Oct. 15; v. 255; p. 378.
Car-door lock and seal. F. H. Day. No. 1,258,659; Mar. 12; v. 248; p. 246.
Car-door lock, Freight-. G. T. Petticrew. No. 1,267,900; May 28; v. 250; p. 927.
Car-door-locking device, Street-. E. L. James. No. 1,264,187; Apr. 30; v. 249; p. 1006.
Car-door-opening mechanism, Grain-. E. H. Kidder. No. 1,268,580; June 4; v. 251; p. 145.
Car-door-operating device. C. H. Clark. No. 1,270,005; June 18; v. 251; p. 589.
Car-door-operating device. W. V. Turner and W. M. Cady. No. 1,255,958; Feb. 12; v. 247; p. 284.
Car-door-operating mechanism, Dump-. A. Campbell. No. 1,284,056; Nov. 5; v. 256; p. 162.
Car-door-operating mechanism, Hopper-. J. M. Rohlfing. No. 1,256,165; Feb. 12; v. 247; p. 347.
Car-door-raising mechanism, Dump-. F. S. Ingoldsby. No. 1,275,930; Aug. 13; v. 253; p. 469.
Car-door, Waterproof. G. C. Atkinson. No. 1,251,855; Jan. 1; v. 246; p. 125.
Car-doors and the like, Mechanism for hanging. E. W. Hartough. No. 1,288,882; Dec. 24; v. 257; p. 756.
Car-doors, Combined reinforcing-plate and hinge for. L. G. Miller and E. C. Long. No. 1,254,257; Jan. 22; v. 246; p. 898.
Car-doors, &c., Means to operate. L. E. Holcomb. No. 1,260,773; Mar. 26; v. 248; p. 920.
Car draft-arm, Railway-. H. R. Keithley. No. 1,258,784; Mar. 12; v. 248; p. 281.
Car draft-gear, Railway-. W. H. Cotton. No. 1,270,598; June 25; v. 251; p. 777.
Car draft-gear, Railway-. J. O. Neikirk. No. 1,251,911; Jan. 1; v. 246; p. 139.
Car draft-rigging. A. C. McCord. No. 1,289,212; Dec. 31; v. 257; p. 861.
Car draft-rigging, Draft-yoke for railway-. J. F. O'Connor. No. 1,286,732; Dec. 3; v. 257; p. 132.
Cars, Draft-rigging for railway-. J. F. O'Connor. No. 1,288,659; Dec. 24; v. 257; p. 703.
Cars, Draft-rigging for railway-. J. F. O'Connor. No. 1,288,662; Dec. 24; v. 257; p. 704.
Car draft-rigging, Railway-. G. Q. Lewis. No. 1,284,722; Nov. 12; v. 256; p. 361.
Car draft-rigging, Railway-. J. F. O'Connor. No. 1,281,641; Oct. 15; v. 255; p. 476.
Car, Drop-end gondola. C. W. Court. No. 1,268,547; June 4; v. 251; p. 135.
Car, Drop-end gondola. S. H. Michaels. No. 1,284,413; Nov. 12; v. 256; p. 286.
Car, Drop-end gondola. V. E. Sisson. No. 1,260,468; Mar. 26; v. 248; p. 828.
Car, Dump-. S. Brown. No. 1,282,183; Oct. 22; v. 255; p. 663.
Car, Dump-. W. L. Burner. No. 1,281,508; Oct. 15; v. 255; p. 442.
Car, Dump-. A. M. Gow. No. 1,251,770; Jan. 1; v. 246; p. 99.
Car, Dump-. H. S. Hart. No. 1,282,227; Oct. 22; v. 255; p. 676.
Car, Dump-. H. S. Hart. No. 1,289,035; Dec. 24; v. 257; p. 792.
Car, Dump-. F. S. Ingoldsby. No. 1,256,323; Feb. 12; v. 247; p. 394.
Car, Dump-. F. S. Ingoldsby and H. T. Gibbard. No. 1,286,593; Dec. 3; v. 257; p. 100.
Car, Dump-. H. R. Keithley. No. 1,271,474; July 2; v. 252; p. 200.
Car, Dump-. T. R. McKnight. No. 1,259,760; Mar. 19; v. 248; p. 591.
Car, Dump-. F. A. McRae. No. 1,274,732; Aug. 6; v. 253; p. 112.
Car, Dump-. J. B. Rhodes. No. 1,256,163; Feb. 12; v. 247; p. 346.
Car, Dump-. J. B. Rhodes. No. 1,256,164; Feb. 12; v. 247; p. 347.
Car dump, Rotary mine-. J. H. D. Petersen and A. J. Sayers. No. 1,287,093; Dec. 10; v. 257; p. 259.
Car dumps, Tilting platform for mining-. J. A. Nolan. No. 1,254,621; Jan. 22; v. 246; p. 1003.
Car-dumper. F. E. Hulett. No. 1,285,713; Nov. 26; v. 256; p. 689.
Car, Dumping-. D. Dempsey. No. 1,265,063; May 7; v. 250; p. 54.
Car, Dumping-. H. F. Flowers. No. 1,268,829; June 11; v. 251; p 233.
Car, Dumping-. H. F. Flowers. No. 1,268,830; June 11; v. 251; p 234.
Car, Dumping-. C. O. Flowers. No. 1,271,303; July 2; v. 252; p. 155.

Car, Dumping-. W. C. Gordon. No. 1,287,292; Dec. 10; v. 257; p. 308.
Car, Dumping-. A. Lichtenstein. No. 1,268,588; June 4; v. 251; p. 147.
Car, Dumping push-. G. C. Wortman. No. 1,274,833; Aug. 6; v. 253; p. 140.
Car, Dynamometer-. J. F. O'Connor. No. 1,282,110; Oct. 22; v. 255; p. 643.
Car end. C. W. Dake. No. 1,254,030; Jan. 22; v. 246; p. 833.
Car end. C. M. Rogers. No. 1,258,255; Mar. 5; v. 248; p. 89.
Car end construction. R. W. Burnett. No. 1,287,632; Dec. 17; v. 257; p. 422.
Car end construction. T. N. Russell. No. 1,272,116; July v. 252; p. 417.
Car end, Pressed-steel. V. E. Sisson. No. 1,265,714; May 7; v. 250; p. 228.
Car end, Sheet-metal. I. S. Downing. No. 1,265,065; May 7; v. 250; p. 54.
Car end, Sheet-metal. W. P. Murphy. No. 1,265,239; May 7; v. 250; p. 101.
Car end, Sheet-metal. V. E. Sisson. No. 1,254,860; Jan. 29; v. 246; p. 1105.
Car ends, Means for reinforcing. R. W. Burnett. No. 1,287,631; Dec. 17; v. 257; p. 422.
Car-fender. S. Burque. No. 1,274,508; Aug. 6; v. 253; p. 48.
Car-fender. H. Edrington. No. 1,252,558; Jan. 8; v. 246; p. 358.
Car-fender. J. B. Gathright. No. 1,262,322; Apr. 9; v. 249; p. 404.
Car-fender. N. Miller and H. B. Irvin. No. 1,264,203; Apr. 30; v. 249; p. 1011.
Car fender, Railway-. T. Dougherty. No. 1,253,014; Jan. 8; v. 246; p. 490.
Car fender, Street-. J. J. Shoemaker. No. 1,283,928; Nov. 5; v. 256; p. 129.
Car-floor construction. W. E. Fowler, Sr. No. 1,268,339; June 4; v. 251; p. 77.
Car-floor construction, Freight-. B. M. Mathias. No. 1,254,920; Jan. 29; v. 246; p. 1122.
Car for monorailways. J. F. Stevenson. No. 1,257,146; Feb. 19; v. 247; p. 670.
Car for perishable granular material. M. E. Sherman. No. 1,274,614; Aug. 6; v. 253; p. 79.
Car frame, Laminated motor-. M. W. Mix. No. 1,265,939; May 14; v. 250; p. 324.
Car, Freight-. N. Fender. No. 1,275,411; Aug. 13; v. 253; p. 325.
Car, Freight-. G. S. Graham. No. 1,289,735; Dec. 31; v. 257; p. 990.
Car, Freight-. L. B. Harvey. No. 1,282,417; Oct. 22; v. 255; p. 727.
Car, Freight-. P. Meindel. No. 1,259,426; Mar. 12; v. 248; p. 465.
Car friction draft-gear, Railway-. W. H. Miner. No. 1,252,359; Jan. 1; v. 246; p. 263.
Car, Gasolene motor-. L. Fox. No. 1,255,731; Feb. 5; v. 247; p. 179.
Car-gear-shifting mechanism, Motor-. W. G. Dunn. No. 1,285,076; Nov. 19; v. 256; p. 490.
Car grain-door. J. Edman. No. 1,261,108; Apr. 2; v. 249; p. 34.
Car grain-door, Freight-. B. W. Whitworth. No. 1,272,325; July 9; v. 252; p. 475.
Car, Grain drying and salvaging railway-. O. W. Randolph. No. 1,262,842; Apr. 16; v. 249; p. 580.
Car hand-brake. A. L. McCallum. No. 1,265,221; May 7; v. 250; p. 96.
Car-handhold. W. Linn. No. 1,274,063; July 30; v. 252; p. 1043.
Car-heaters, Automatic deflector for electric. T. Farmer, Jr., and E. D. Jansen. No. 1,269,589; June 18; v. 251; p. 474.
Car-heating device, Tank-. G. C. Bowen. No. 1,274,504; Aug. 6; v. 253; p. 46.
Car-heating means, Tank-. W. J. Tangerman. No. 1,261,183; Apr. 2; v. 249; p. 54.
Car, Hopper-. A. Campbell. No. 1,257,270; Feb. 19; v. 247; p. 707.
Car, Hopper-. A. Campbell. No. 1,281,286; Oct. 15; v. 255; p. 380.
Car, Hopper-. A. Campbell. No. 1,285,031; Nov. 19; v. 256; p. 479.
Car, Hopper-. E. D. Hillman. No. 1,268,118; June 4; v. 251; p. 14.
Car indicator, Street-. L. A. Favre. No. 1,276,889; Aug. 27; v. 253; p. 800.
Car, Interchangeable-unit. H. W. Kirchner. No. 1,252,810; Jan. 8; v. 246; p. 428.
Car-lighting generators, Driving apparatus for. W. I. Thomson. No. 1,287,519; Dec. 10; v. 257; p. 363.
Car-lighting mechanism, Railway-. J. C. Burrowes. No. 1,263,848; Apr. 23; v. 249; p. 880.
Car-lighting system. J. L. Creveling. No. 1,251,479; Jan. 1; v. 246; p. 8.
Car-lighting system. H. D. Rohman. No. 1,289,272; Dec. 31; v. 257; p. 876.
Car-lighting system. J. F. Tritle. No. 1,262,411; Apr. 9; v. 249; p. 430.
Car lining, Box-. J. Dickson. No. 1,262,025; Apr. 9; v. 249; p. 321.
Car-loader. W. E. Hunt. No. 1,266,475; May 14; v. 250; p. 470.
Car-loader. O. Kjelstad. No. 1,265,673; May 7; v. 250; p. 217.
Car-loading device. G. E. Davison. No. 1,272,633; July 16; v. 252; p. 588.
Car mechanism, Dump-. S. Brown. No. 1,280,152; Oct. 1; v. 255; p. 9.
Car, Mine-. M. S. Runsvold. No. 1,276,418; Aug. 20; v. 253; p. 637.
Car, Motor-. C. Blum. No. 1,263,641; Apr. 23; v. 249; p. 824.
Car, Motor-. J. K. Vanatta. No. 1,285,847; Nov. 26; v. 256; p. 725.
Car, Motor traction-. J. L. Frick and H. G. Clemenger. No. 1,272,935; July 16; v. 252; p. 674.
Car-mover. W. A. Dorsey. No. 1,272,398; July 16; v. 252; p. 522.
Car-mover. S. Grabowski. No. 1,256,474; Feb. 12; v. 247; p. 438.
Car-mover. A. J. Maine. No. 1,252,354; Jan. 1; v. 246; p. 262.
Car-mover. C. McCarter. No. 1,269,471; June 11; v. 251; p. 410.
Car, Ore-. J. W. Silver. No. 1,262,108; Apr. 9; v. 249; p. 344.
Car part. S. A. Benner. No. 1,265,990; May 14; v. 250; p. 338.
Car part. S. A. Benner. No. 1,267,498; May 28; v. 250; p. 813.
Car part. O. E. Shaw. No. 1,275,312; Aug. 13; v. 253; p. 298.
Car, Passenger-. C. B. Steele. No. 1,260,473; Mar. 26; v. 248; p. 830.
Car-plane or the like. J. M. Park. No. 1,269,569; June 11; v. 251; p. 437.
Car-polisher. W. G. Sherlock. No. 1,256,938; Feb. 19; v. 247; p. 610.
Car, Railway-. J. W. Baskerville. No 1,266,387; May 14; v. 250; p. 446.
Car, Railway-. B. W. Kadel. No. 1,255,174; Feb. 5; v. 247; p. 17.
Car, Railway-. B. W. Kadel. No. 1,263,427; Apr. 23; v. 249; p. 765.
Car, Railway-. B. W. Kadel. No. 1,268,726; June 4; v. 251; p. 186.
Car, Railway-. B. W. Kadel and J. A. Pilcher. No. 1,268,725; June 4; v. 251; p. 185.
Car, Railway-. W. F. Kiesel, Jr. No. 1,267,421; May 28; v. 250; p. 792.
Car, Railway-. B. D. Lockwood. No. 1,286,677; Dec. 3; v. 257; p. 119.
Car, Railway-. J. O. Neikirk. No. 1,268,045; May 28; v. 250; p. 966.
Car, Railway-. J. O. Neikirk. No. 1,289,877; Dec. 31; v. 257; p. 1025.
Car, Railway-. T. N. Russell. No. 1,272,117; July 9; v. 252; p. 417.
Car, Railway-. F. U. Wagner. No. 1,271,812; July 9; v. 252; p. 328.
Car, Railway-. J. and S. Wisniewski. No. 1,262,894; Apr. 16; v. 249; p. 595.
Car, Railway construction-. W. R. Bell. No. 1,254,303; Jan. 22; v. 246; p. 912.
Car, Railway dumping-. D. P. Deibler. No. 1,274,695; Aug. 6; v. 253; p. 102.
Car, Railway freight-. H. Epstein. No. 1,268,555; June 4; v. 251; p. 138.
Car, Railway passenger and express motor-. A. D. Bowen. No. 1,262,577; Apr. 9; v. 249; p. 477.
Car-record. A. R. Smith. No. 1,268,889; June 11; v. 251; p. 250.
Car, Refrigerator-. M. B. Dietz. No. 1,278,313; Sept. 10; v. 254; p. 292.
Car, Refrigerator-. W. B. Hall. No. 1,268,566; June 4; v. 251; p. 141.
Car, Refrigerator-. F. Patee. No. 1,256,162; Feb. 12; v. 247; p. 346.
Car-register-operating mechanism. W. Loeffler. No. 1,284,725; Nov. 12; v. 256; p. 362.
Car-repairing device. J. H. Beckman. No. 1,266,093; May 14; v. 250; p. 367.
Car-replacer. W. O. Bunnell and Q. A. Gates. No. 1,265,045; May 7; v. 250; p. 49.
Car-replacer. B. V. Jackson. No. 1,270,161; June 18; v. 251; p. 630.
Car-replacer. R. G. Rea. No. 1,287,747; Dec. 17; v. 257; p. 452.
Car-replacer. C. W. Watkins. No 1,264,233; Apr. 30; v. 249; p. 1020.
Car-replacer clamp. B. J. Buell. No. 1,281,508; Oct. 15; v. 255; p. 440.
Car-roof. R. W. Burnett. No. 1,265,738; May 14; v. 250; p. 267.
Car-roof. R. W. Burnett. No. 1,265,739; May 14; v. 250; p. 267.
Car-roof. D. W. Hawksworth and F. M. Whyte. No. 1,255,309; Feb. 5; v. 247; p. 55.
Car-roof. D. W. Hawksworth. No. 1,264,069; Apr. 23; v. 249; p. 940.
Car-roof. C. C. Murphy. No. 1,274,308; July 30; v. 252; p. 1111.

Car-roof. C. C. Murphy. No. 1,277,246; Aug. 27; v. 253; p. 895.
Car-roof. D. Murphy. No. 1,258,928; Mar. 12; v. 248; p. 323.
Car-roof. W. P. Murphy. No. 1,258,929; Mar. 12; v. 248; p. 324.
Car-roof. W. P. Murphy. No. 1,259,464; Mar. 12; v. 248; p. 476.
Car-roof. W. P. Murphy. No. 1,275,976; Aug. 13; v. 253; p. 482.
Car-roof. W. P. Murphy. No. 1,281,634; Oct. 15; v. 255; p. 474.
Car-roof. W. P. Murphy. No. 1,286,721; Dec. 3; v. 257; p. 129.
Car-roof. A. F. O'Connor. No. 1,273,399; July 23; v. 252; p. 824.
Car-roof. T. N. Russell. No. 1,255,231; Feb. 5; v. 247; p. 33.
Car-roof. T. N. Russell. No. 1,255,232; Feb. 5; v. 247; p. 33.
Car-roof. T. N. Russell. No. 1,265,523; May 7; v. 250; p. 178.
Car-roof. T. N. Russell. No. 1,267,908; May 28; v. 250; p. 929.
Car-roof. F. W. Wolff. No. 1,280,350; Oct. 1; v. 255; p. 66.
Car-roof, Metal. W. J. Bohan. No. 1,285,912; Nov. 26; v. 256; p. 740.
Car-roof with interlocking frame. P. Bateman. No. 1,276,313; Aug. 20; v. 253; p. 606.
Car roofs. Metal carline for freight-. C. D. Bonsall. No. 1,260,507; Mar. 26; v. 248; p. 842.
Car-roofing. W. J. Boyer. No. 1,287,204; Dec. 10; v. 257; p. 287.
Car-running-gear assembly, Mine-. W. V. Johnson. No. 1,256,135; Feb. 12; v. 247; p. 338.
Car running-gear, Mine-. J. L. McDowell. No. 1,256,148; Feb. 12; v. 247; p. 341.
Car running-gear, Mine-. C. R. Waid. No. 1,275,188; Aug. 6; v. 253; p. 240.
Car safety attachment. L. B. Castano. No. 1,289,653; Dec. 31; v. 257; p. 970.
Car, Scooter-. G. F. Bastman. No. 1,289,361; Dec. 31; v. 257; p. 899.
Car-seat. F. Bennett. No. 1,267,499; May 28; v. 250; p. 813.
Car-seat. F. Bennett. No. 1,267,500; May 28; v. 250; p. 813.
Car-seat. G. B. Kohler. No. 1,281,793; Oct. 15; v. 255; p. 517.
Car-seat. C. L. Thompson. No. 1,253,196; Jan. 8; v. 246; p. 543.
Car-seat back. C. A. Van Derveer. No. 1,283,986; Nov. 5; v. 256; p. 144.
Car-seat cushion. A. H. Flint. No. 1,257,335; Feb. 26; v. 247; p. 761.
Car-seat grab-handle. A. L. Lambert. No. 1,261,246; Apr. 2; v. 249; p. 71.
Car-seat, Shiftable. S. A. Walker. No. 1,252,747; Jan. 8; v. 246; p. 412.
Car-seat-shifting mechanism. S. A. Walker. No. 1,252,748; Jan. 8; v. 246; p. 412.
Car-seat support. J. E. Kilburn. No. 1,253,047; Jan. 8; v. 246; p. 500.
Car-seats, Treating. J. M. Wilson. No. 1,256,189; Feb 12; v. 247; p. 355.
Car side bearing. G. A. Johnson. No. 1,273,866; July 30; v. 252; p. 987.
Car side bearing. E. W. Webb. No. 1,284,839; Nov. 12; v. 256; p. 391.
Car side bearing. E. W. Webb and N. C. Thalheimer. No. 1,284,840; Nov. 12; v. 256; p. 391.
Car side construction. W. H. Yost. No. 1,267,834; May 28; v. 250; p. 909.
Car signal system. R. G. Averill. No. 1,284,977; Nov. 19; v. 256; p. 464.
Car-sill construction. W. J. Tollerton. No. 1,284,819; Nov. 12; v. 256; p. 385.
Car sleeping-apartments, Clothes-retainer for railway-. N. E. Ritchie. No. 1,274,937; Aug. 6; v. 253; p. 169.
Car-step. E. W. Breyley and J. U. Duffy. No. 1,276,023; Aug. 20; v. 253; p. 526.
Car-step. J. T. Cochran. No. 1,260,754; Mar. 26; v. 248; p. 914.
Car-step, Folding. G. A. Bosler. No. 1,273,321; July 23; v. 252; p. 802.
Car-step, Folding. C. J. Hand. No. 1,269,928; June 18; v. 251; p. 568.
Car-step, Folding. J. Lang. No. 1,267,878; May 28; v. 250; p. 921.
Car-steps, Auxiliary. C. Christopherson. No. 1,261,489; Apr. 2; v. 249; p. 140.
Car-steps, Extensible. F. C. Neuman. No. 1,257,629; Feb. 26; v. 247; p. 848.
Car, Stock-. C. D. Adams. No. 1,266,375; May 14; v. 250; p. 443.
Car-stop. R. B. Osbourne. No. 1,289,886; Dec. 31; v. 257; p. 1027.
Car-stop. J. Schuh. No. 1,280,873; Oct. 8; v. 255; p. 237.
Car stop, Mine-. W. Hartman. No. 1,265,446; May 7; v. 250; p. 158.
Car stop or brake. J. A. Kohl. No. 1,252,589; Jan. 8; v. 246; p. 366.
Car stop-signal. A. H. and D. H. Kirk. No. 1,262,675; Apr. 16; v. 249; p. 533.
Car, Street-. A. L. W. Begg. No. 1,277,680; Sept. 3; v. 254; p. 97.
Car, Street-railway. F. Carson. No. 1,252,236; Jan. 1; v. 246; p. 230.
Car, Tank-. H. P. Grohn. No. 1,253,028; Jan. 8; v. 246; p. 495.
Car, Tank-. E. D. Levy and H. W. Jacobs. No. 1,251,978; Jan. 1; v. 246; p. 158.
Car, Tank-. S. V. Osburn. No. 1,264,327; Apr. 30; v. 249; p. 1045.
Car, Tank-. C. A. Shoemaker. No. 1,252,959; Jan. 8; v. 246; p. 472.
Car, Tank-. F. M. Stevenson. No. 1,253,743; Jan. 15; v. 246; p. 732.
Car-tilting apparatus. J. McMyler. No. 1,253,068; Jan. 8; v. 246; p. 507.
Car-tilting mechanism. C. P. Astrom. No. 1,266,193; May 14; v. 250; p. 396.
Car-tipple. A. Allen. No. 1,265,028; May 7; v. 250; p. 44.
Car-top. C. B. Guthrie. No. 1,269,431; June 11; v. 251; p. 399.
Car, Tour-. H. H. Dyke. No. 1,259,966; Mar. 19; v. 248; p. 653.
Car, train, pipe, and electric coupling, Combined. J. S. Doyle and F. Hedley. No. 1,282,777; Oct. 29; v. 255; p. 852.
Car transoms, Vacuum-ventilator for railway-. J. W. Gerke, E. J. Braisted, and E. T. Kelleher. No. 1,289,152; Dec. 31; v. 257; p. 846.
Car-truck brake-support. H. M. Pflager. No. 1,280,080; Sept. 24; v. 254; p. 829.
Car-underframe. A. K. Reading. No. 1,270,324; June 25; v. 251; p. 701.
Car underframe construction, Railway-. A. Becker. No. 1,264,884; May 7; v. 250; p. 4.
Car-underframing. C. J. Nash. No. 1,274,747; Aug. 6; v. 253; p. 116.
Car-unloader. W. E. Hunt. No. 1,266,474; May 14; v. 250; p. 470.
Car-unloader. H. Richardson. No. 1,264,859; Apr. 30; v. 249; p. 1191.
Car unloader, Box-. J. McDaniel. No. 1,274,571; Aug. 6; v. 253; p. 66.
Car-unloading apparatus, Bottom-dump-. O. G. Petersen. No. 1,252,717; Jan. 8; v. 246; p. 403.
Car-unloading machine. W. L. Johnston. No. 1,266,273; May 14; v. 250; p. 417.
Car-unloading method and apparatus. T. W. Guthrie. No. 1,272,425; July 16; v. 252; p. 529.
Car, Valved dumping-. J. T. Gilman. No. 1,289,153; Dec. 31; v. 257; p. 846.
Car-vestibule diaphragm. H. H. Schroyer. No. 1,256,048; Feb. 12; v. 247; p. 310.
Car-vestibule diaphragm. H. H. Schroyer. No. 1,256,050; Feb. 12; v. 247; p. 311.
Car-wheel. W. E. Adams. No. 1,267,350; May 28; v. 250; p. 773.
Car-wheel. W. M. Duncan. No. 1,253,478; Jan. 15; v. 246; p. 656.
Car-wheel. W. B. Floyd. No. 1,252,895; Jan. 8; v. 246; p. 452.
Car-wheel. W. W. Fuller. No. 1,269,417; June 11; v. 251; p. 396.
Car-wheel. A. W. Judy. No. 1,266,813; May 21; v. 250; p. 596.
Car-wheel. C. W. Sherman. No. 1,255,937; Feb. 12; v. 247; p. 278.
Car-wheel. C. W. Sherman. No. 1,257,411; Feb. 26; v. 247; p. 782.
Car-wheel. M. W. Witham. No. 1,254,557; Jan. 22; v. 246; p. 984.
Car wheel and axle. B. L. Worthen. No. 1,284,532; Nov. 12; v. 256; p. 314.
Car wheel and axle, Mine-. F. H. Gibbs. No. 1,256,484; Feb. 12; v. 247; p. 441.
Car wheel and axle, Mine-. T. A. Parker. No. 1,289,249; Dec. 31; v. 257; p. 871.
Car wheel and means for attaching same, Mine-. W. V. Johnson. No. 1,256,136; Feb. 12; v. 247; p. 338.
Car-wheel bearing. F. S. Barks and J. T. Krieger. No. 1,282,365; Oct. 22; v. 255; p. 713.
Car-wheel bearing. F. Helmick. No. 1,286,619; Dec. 3; v. 257; p. 106.
Car wheel, Lubricated mine-. J. L. McDowell. No. 1,256,151; Feb. 12; v. 247; p. 342.
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Car-wheel mounting. W. L. Weber. No. 1,285,509; Nov. 19; v. 256; p. 599.
Car-wheel, Noiseless. J. P. Brophy. No. 1,257,974; Mar. 5; v. 248; p. 7.
Car-wheel-quenching device. O. D. A. Pease and J. F. Fetterly. No. 1,276,106; Aug. 20; v. 253; p. 550.
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Car wheel with hub-cap, Mine-. W. V. Johnson. No. 1,256,137; Feb. 12; v. 247; p. 338.
Car-wheel with permanently-retained roller-bearing. J. L. McDowell. No. 1,256,150; Feb. 12; v. 247; p. 342.
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Car-wheels, Making cast-metal. C. W. Sherman. No. 1,264,338; Apr. 30; v. 249; p. 1047.
Car-window construction. G. H. Forsyth. No. 1,274,028; July 30; v. 252; p. 1033.
Car-windows, Dust and wind guard for. H. P. Coulter. No. 1,267,381; May 28; v. 250; p. 781.
Cars, Adjustable side bearing for railway-. J. F. O'Connor. No. 1,252,295; Jan. 1; v. 246; p. 247.
Cars and other vehicles, Fabric lining for grain-. W. S. Tyler. No. 1,259,320; Mar. 12; v. 248; p. 434.
Cars and other vehicles, Signal device for motor-. P. Bobichon and A. Faure. No. 1,258,741; Mar. 12; v. 248; p. 269.
Cars and the like, Door-operating mechanism for. A. Campbell. No. 1,256,771; Feb. 19; v. 247; p. 561.
Cars and the like, Indicator for street-. C. Flint. No. 1,265,071; May 7; v. 250; p. 56.
Cars and the like, Journal-bearing for railway-. W. H. Nunamacher. No. 1,281,817; Oct. 15; v. 255; p. 524.
Cars and the like, Unloading-machine for. W. F. Webb. No. 1,263,170; Apr. 16; v. 249; p. 675.
Cars and the like, Vacuum-lining for box-. P. I. Vennard. No. 1,278,529; Sept. 10; v. 254; p. 349.
Cars, Anticlimbing construction for. C. G. Swanson. No. 1,258,061; Mar. 5; v. 248; p. 33.
Cars, Apparatus for controlling temperature in. D. Clark. No. 1,264,900; May 7; v. 250; p. 8.
Cars, Apparatus for unloading railway-. J. F. Silva. No. 1,268,504; June 4; v. 251; p. 123.
Cars, Automatic-operated uncoupling apparatus for. J. Gerhards. No. 1,287,957; Dec. 17; v. 257; p. 504.
Cars, Automatic stop for mine-. C. W. Watkins. No. 1,287,536; Dec. 10; v. 257; p. 366.
Cars, Automatic stop mechanism for. W. E. Lawn and J. A. Ryan. No. 1,263,438; Apr. 23; v. 249; p. 769.
Cars, Auxiliary floor for railway-. W. T. Van Dorn. No. 1,259,934; Mar. 19; v. 248; p. 643.
Cars, Auxiliary floor for railway-. W. T. Van Dorn. No. 1,259,935; Mar. 19; v. 248; p. 644.
Cars, Auxiliary floor for railway-. H. E. Van Dorn. No. 1,279,183; Sept. 17; v. 254; p. 555.
Cars, Band-anchor for tank-. G. E. Mittinger. No. 1,254,525; Jan. 22; v. 246; p. 975.
Cars, Bracing and door-stock for. M. C. Blest. No. 1,267,364; May 28; v. 250; p. 776.
Cars, Bracing for. M. C. Blest. No. 1,262,301; Apr. 9; v. 249; p. 398.
Cars, Bumper-mounting for motor-. G. A. Lyon. No. 1,289,491; Dec. 31; v. 257; p. 931.
Cars, carriages, and other vehicles, Door-fastening for motor-. J. C. Ralls. No. 1,252,027; Jan. 1; v. 246; p. 172.
Cars, Center-sill for. E. E. Slick. No. 1,279,600; Sept. 24; v. 254; p. 693.
Cars, Collapsible top for motor-. G. J. Birney. No. 1,278,837; Sept. 17; v. 254; p. 462.
Cars, Compression-lock for dump-. W. L. Burner, J. D. Benbow, and D. Greene. No. 1,254,201; Jan. 22; v. 246; p. 882.
Cars, Convertible body for motor-. E. E. Norquist. No. 1,266,521; May 14; v. 250; p. 483.
Cars, Cover for railway-. M. Schedlbauer. No. 1,274,789; Aug. 6; v. 253; p. 127.
Cars, Deck for brick-. W. H. Allen. No. 1,271,413; July 2; v. 252; p. 184.
Cars, Device for repairing. R. M. Burke. No. 1,283,656; Nov. 5; v. 256; p. 58.
Cars, Direction-indicator for motor-. R. F. Hodge. No. 1,283,186; Oct. 29; v. 255; p. 965.
Cars, Draft-arm and underframe construction for. J. M. Coleman and K. F. Nystrom. No. 1,279,989; Sept. 24; v. 254; p. 804.
Cars, Draft-beam and continuous draw-bar for railway-. D. D. Smith. No. 1,256,940; Feb. 19; v. 247; p. 611.
Cars, Draft-beam construction for railway-. G. A. Goodyear and J. M. Chandler. No. 1,289,733; Dec. 31; v. 257; p. 990.
Cars, Draft-gear for railway-. D. U. McCormick. No. 1,283,537; Nov. 5; v. 256; p. 26.
Cars, Draft-yoke for railway-. J. F. O'Connor. No 1,284,754; Nov. 12; v. 256; p 369.
Cars, End reinforcement for box-. G. S. Goodwin. No. 1,282,568; Oct. 22; v. 255; p. 768.
Cars, Extension-grip for. H. E. Doody. No 1,257,820; Feb. 26; v. 247; p. 904.
Cars, Foldable extension-step for railway-. P. M. Beard. No. 1,253,569; Jan. 15; v. 246; p. 682.
Cars, Folding tail-gate for passenger-. H. H. Schroyer. No. 1,256,060; Feb. 12; v. 247; p. 314.
Cars, Foot-rail and tonneau truck attachment for passenger-. E. J. Balmos. No. 1,268,811; June 11; v. 251; p. 229.
Cars, Generator mounting and drive for railway-. R. T. Strattan. No. 1,289,013; Dec. 24; v. 257; p. 788.
Cars, Grain-tight closure for box-. I. Melcher. No. 1,252,603; Jan. 8; v. 246; p. 370.
Cars, Hand-brake for railway-. K. Williams. No. 1,288,784; Dec. 24; v. 257; p. 733.
Cars, Heating apparatus for tank-. E. A. Schreiber. No. 1,273,936; July 30; v. 252; p. 1008.
Cars, Loading freight-. C. L. Michod. No. 1,263,788; Apr. 23; v. 249; p. 863.
Cars, Log-bunk for. W. H. Burgess. No. 1,278,587; Sept. 10; v. 254; p. 365.
Cars, Means for connecting yoke-straps to draw-bars for railway-. W. A. Geiger. No. 1,286,278; Dec. 3; v. 257; p. 23.
Cars, Metal end for railway-. W. P. Murphy. (Reissue.) No. 14,449; Mar. 26; v. 248; p. 982.
Cars, Metal end for railway-. V. E. Sisson,. (Reissue.) No. 14,434; Feb. 19; v. 247; p. 718.
Cars or vehicles along a railway and the control thereof, Apparatus for governing the passage of. T. G. Willson. No. 1,259,184; Mar. 12; v. 248; p. 397.
Cars, Power attachment for motor-. C. W. Lovelace. No. 1,278,178; Sept. 10; v. 254; p. 255.
Cars, Power-plant construction for railway motor-. J. K. Vanatta. No. 1,271,630; July 9; v. 252; p. 278.
Cars, Push-pole pocket for railway-. B. W. Kadel. No. 1,263,426; Apr. 23; v. 249; p. 765.
Cars, Ratchet-and-pawl arrangement for dumping-. G. C. Cherbonnier. No. 1,256,110; Feb. 12; v. 247; p. 330.
Cars, Reinforcing and hinge plate for. L. G. Miller and E. C. Long. No. 1,251,683; Jan. 1; v. 246; p. 73.
Cars, Relief trap-door for grain-. H. Flattem. No. 1,256,544; Feb. 19; v. 247; p. 494.
Cars, Rotary dump for. J. Bierer and E. N. Zern. No. 1,277,836; Sept. 3; v. 254; p. 140.
Cars, Safety-cover for gondola-. C. M. Geiger. No. 1,252,259; Jan. 1; v. 246; p. 236.
Cars, Safety stop or bump for railway-. W. D. Nixon, Jr. No. 1,252,607; Jan. 8; v. 246; p. 371.
Cars, Safety-stop for mine-. S. Verbitsky. No. 1,269,983; June 18; v. 251; p. 582.
Cars, Shaft-coupling for motor-. A. L. Campbell. No. 1,251,635; Jan. 1; v. 246; p. 57.
Cars, Sheet-metal end structure for railway-. I. S. Downing. No. 1,263,386; Apr. 23; v. 249; p. 753.
Cars, Sheet-metal end structure for railway-. W. P. Murphy. No. 1,263,458; Apr. 23; v. 249; p. 775.
Cars, Sheet-metal end structure for railway-. V. E. Sisson. No. 1,271,234; July 2; v. 252; p. 137.
Cars, Side bearing for railway-. G. A. Johnson. No. 1,281,386; Oct. 15; v. 255; p. 410.
Cars, Side bearing for railway-. J. F. O'Connor. No. 1,257,921; Feb. 26; v. 247; p. 933.
Cars, Signal system for electric. E. M. Jones. No. 1,253,385; Jan. 15; v. 246; p. 630.
Cars, Stake-holder for flat-. J. J. Tatum. No. 1,277,774; Sept. 3; v. 254; p. 124.
Cars, Stake-holder for flat-. J. J. Tatum. No. 1,277,775; Sept. 3; v. 254; p. 124.
Cars, Steel reinforcement for freight-. W. M. Bosworth. No. 1,253,131; Jan. 8; v. 246; p. 525.
Cars, Supporting means for draft and buffing gears for. W. F. Richards. No. 1,283,308; Oct. 29; v. 255; p. 995.
Cars, Tandem spring draft-rigging for railway-. J. F O'Connor. No. 1,283,544; Nov. 5; v. 256; p. 28.
Cars, Tank-support for tank-. T. Rodman and F. M. Stevenson. No. 1,274,200; July 30; v. 252; p. 1081.
Cars, Toilet for railway-. P. F. Reilly. No. 1,270,211; June 18; v. 251; p. 643.
Cars, Tractor attachment for motor-. N. Crane. No. 1,276,035; Aug. 20; v. 253; p. 529.
Cars, Trap-door for grade-level vestibule-. L. F. McNally. No. 1,275,714; Aug. 13; v. 253; p. 408.
Cars, Valved outlet means for tank-. R. R. Weaver. No. 1,278,813; Sept. 10; v. 254; p. 426.
Cars, Water-closet system for railway-. E. G. Watrous. No. 1,270,902; July 2; v. 252; p. 42.
Carbolic acid, Making. H. H. Dow. No. 1,274,394; Aug. 6; v. 253; p. 14.
Carbon and manufacturing same. R. D. Pike. No. 1,262,251; Apr. 9; v. 249; p. 385.
Carbon and recovering same from the waste product of oil-cracking. R. L. Pike. No. 1,285,363; Nov. 19; v. 256; p. 563.
Carbon, Arc-light. H. Ayrton. No. 1,261,891; Apr. 9; v. 249; p. 286.
Carbon-black and lampblack, Manufacture of. J. M. Gerard. No. 1,278,137; Sept. 10; v. 254; p. 244.
Carbon-brush holder. J. H. Knight. No. 1,268,018; May 28; v. 250; p. 959.
Carbon, Composition for removing. C. A. Lewis. No. 1,287,589; Dec. 10; v. 257; p. 380.
Carbon compounds, Hydrogenization and dehydrogenization of. C. Bosch, A. Mittasch, and C. Krauch. No. 1,271,013; July 2; v. 252; p. 74.
Carbon-dioxid analyzer. A. Butcher. No. 1,285,927; Nov. 26; v. 256; p. 743.
Carbon dioxid and solid sodium sulfite, Making. H. Howard. No. 1,266,595; May 21; v. 250; p. 534.
Carbon electrodes, Manufacture of. S. E. Sieurin. No. 1,282,475; Oct. 22; v. 255; p. 742.
Carbon, Making decolorizing-. R. W. Mumford. No. 1,287,592; Dec. 10; v. 257; p. 381.

Carbon, Manufacturing decolorizing-. F. W. Zerban. No. 1,290,002; Dec. 31; v. 257; p. 1056.
Carbon or lamp black, Manufacture of. L. E. Hirt. No. 1,264,796; Apr. 30; v. 249; p. 1174.
Carbon-pigment base and making same. D. J. Ogilvy. No. 1,268,142; June 4; v. 251; p. 21.
Carbon-pile support. W. L. Bliss. No. 1,259,206; Mar. 12; v. 248; p. 403.
Carbon-pointing machine. A. M. Bell. No. 1,255,693; Feb. 5; v. 247; p. 167.
Carbon-remover. C. E. Brown. No. 1,283,649; Nov. 5; v. 256; p. 56.
Carbon-removing-solution holder. E. F. Jones. No. 1,266,950; May 21; v. 250; p. 634.
Carbon tetrachlorid from carbon bisulfid and chlorin, Making. G. Baillio. No. 1,260,622; Mar. 26; v. 248; p. 876.
Carbon tetrachlorid from other compounds, Separating. G. Baillio. No. 1,260,621; Mar. 26; v. 248; p. 876.
Carbonating apparatus. E. E. Murphy. No. 1,272,298; July 9; v. 252; p. 467.
Carbonating apparatus, Mixing means for. E. E. Murphy. No. 1,272,299; July 9; v. 252; p. 467.
Carbonating-machine. T. Millward. No. 1,259,894; Mar. 19; v. 248; p. 630.
Carbonator, Water-. G. H. Kellington and W. A. Prescott. No. 1,280,490; Oct. 1; v. 255; p. 104.
Carbonic acid, Apparatus for cleaning. L. Nathan. No. 1,268,872; June 11; v. 251; p. 245.
Carburation, Method of and apparatus for. E. R. Godward. No. 1,283,154; Oct. 29; v. 255; p. 956.
Carbureter. R. Abell. No. 1,265,024; May 7; v. 250; p. 43.
Carbureter. H. H. Baer. No. 1,277,173; Aug. 27; v. 253; p. 878.
Carbureter. F. H. and F. O. Ball. No. 1,269,576; June 18; v. 251; p. 470.
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Carbureter. R. B. Benjamin. No. 1,260,956; Mar. 26; v. 248; p. 968.
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Carbureter. K. B. Britton. No. 1,261,756; Apr. 9; v. 249; p. 248.
Carbureter. G. M. Brown. No. 1,255,077; Jan. 29; v. 246; p. 1164.
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Card, Guide-. F. M. Vawter. No. 1,259,322; Mar 12; v. 248; p. 435.
Card guide, Index-. C. C. Smith. No. 1,258,263; Mar. 5; v. 248; p. 91.
Card guides, Tab construction for index-. I. Wagemaker. No. 1,257,160; Feb. 19; v. 247; p. 675.
Card guides, Tab construction for index-. I. Wagemaker. No. 1,273,960; July 30; v. 252; p. 1015.
Card-holder. F. C. Hedrick. No. 1,270,412; June 25; v. 251; p. 725.
Card-holder. S. T. Jenssen. No. 1,274,887; Aug. 6; v. 253; p. 156.
Card holder, Display-. J. W. Johnston. No. 1,260,201; Mar. 19; v. 248; p. 717.
Card holder, Milk-. H. Keppel. No. 1,254,407; Jan. 22; v. 246; p. 941.
Card-holding device. C. W. Anderson. No. 1,285,890; Nov. 26; v. 256; p. 735.

Card, Identifying-. E. G. Pickering. No. 1,262,696; Apr. 16; v. 249; p. 539.
Card, Index-. E. R. Wilson. No. 1,259,330; Mar. 12; v. 248; p. 437.
Card-players, Support for playing-cards for use by. E. Ribeyre. No. 1,286,780; Dec. 3; v. 257; p. 142.
Card rack, Display-. W. B. Timberlake. No. 1,260,095; Mar. 19; v. 248; p. 690.
Card-selecting apparatus for card systems. S. L. Gilfillan. No. 1,251,502; Jan. 1; v. 246; p. 15.
Card-selector. J. E. Wright. No. 1,287,558; Dec. 10; v. 257; p. 372.
Card system, Educational. G. M. Wolfe. No. 1,280,930; Oct. 8; v. 255; p. 251.
Card system, &c., Ledger-. A. L. Lee. No. 1,254,916; Jan. 29; v. 246; p. 1121.
Card-table. A. E. Johnson. No. 1,277,079; Aug. 27; v. 253; p. 852.
Card, Time-. C. E. Larrabee. No. 1,279,717; Sept. 24; v. 254; p. 726.
Cards adapted for statistic or similar purposes and apparatus for sorting the cards. K. E. L. Leidstrand. No. 1,261,413; Apr. 2; v. 249; p. 120.
Cards, Game-. T. E. Hanada. No. 1,263,664; Apr. 23; v. 249; p. 830.
Cards, Machine for preparing record-. O. L. Dosch. No. 1,266,230; May 14; v. 250; p. 405.
Cards, Machine for repeating pattern-. W. K. Caldwell. No. 1,254,470; Jan. 22; v. 246; p. 958.
Cards, Playing-. W. J. Andrews. No. 1,284,209; Nov. 12; v. 256; p. 231.
Cards, Playing-. A. B. Baxter. No. 1,261,473; Apr. 2; v. 249; p. 135.
Cards, Playing-. W. D. Deal. No. 1,275,869; Aug. 13; v. 253; p. 453.
Cards, Playing-. O. E. Gettemy. No. 1,255,003; Jan. 29; v. 246; p. 1143.
Cards, Playing-. P. T. Heartt and T. Salfner. No. 1,264,508; Apr. 30; v. 249; p. 1097.
Cards, Playing-. F. O. Johnson. No. 1,273,864; July 30; v. 252; p. 987.
Cards, Playing-. D. G. Lee. No. 1,269,099; June 11; v. 251; p. 309.
Cards, Playing-. W. S. McBride. No. 1,272,480; July 16; v. 252; p. 543.
Cards, Playing-. E. M. McDowell. No. 1,277,969; Sept. 3; v. 254; p. 175.
Cards, Playing-. S. B. Miller. No. 1,289,511; Dec. 31; v. 257; p. 936.
Cards, Playing-. E. M. Scholz. No. 1,269,320; June 11; v. 251; p. 371.
Cards, Repeating jacquard-. F. Fischer. No. 1,268,825; June 11; v. 251; p. 232.
Cardboard and similar material scoring mechanism. O. C. Roesen, Jr. No. 1,289,271; Dec. 31; v. 257; p. 876.
Cardboard receptacle and forming same. P. J. Nagle. No. 1,288,132; Dec. 17; v. 257; p. 548.
Carding-engines and the like, Flat brushing or cleaning arrangement for. S. Hurst. No. 1,272,045; July 9; v. 252; p. 396.
Carding-machine safety device. O. L. Owen. No. 1,257,103; Feb. 19; v. 247; p. 658.
Cargo batten-cleat, Portable. J. W. Atlee. No. 1,252,533; Jan. 8; v. 246; p. 350.
Cargo-handling device. W. L. Newell. No. 1,257,732; Feb. 26; v. 247; p. 879.
Carousel. J. Bolyki. No. 1,275,834; Aug. 13; v. 253; p. 442.
Carousel. S. W. Brundage and H. L. Miller. No. 1,263,370; Apr. 23; v. 249; p. 748.
Carousel. J. W. B. Collins. No. 1,275,393; Aug. 13; v. 253; p. 321.
Carousel. J. D'Errico. No. 1,280,679; Oct. 8; v. 255; p. 183.
Carousel. C. E. Morris. No. 1,286,716; Dec. 3; v. 257; p. 128.
Carousel, Portable. J. Wargo, Jr. No. 1,276,292; Aug. 20; v. 253; p. 601.
Carousels or merry-go-rounds and the like, Hanger for. W. F. Jaenecke. No. 1,259,992; Mar. 19; v. 248; p. 661.
Carousels, Sectional platform for. H. L. Miller. (Reissue.) No. 14,440; Mar. 5; v. 248; p. 205.
Carpenter's clamp. O. H. Eriksen. No. 1,259,218; Mar. 12; v. 248; p. 405.
Carpenter's marking-line. T. Ibaraki. No. 1,271,470; July 2; v. 252; p. 199.
Carpenter's tool. W. J. Glueck. No. 1,253,957; Jan. 15; v. 246; p. 791.
Carpenter's work-bench. T. Swanson. No. 1,266,173; May 14; v. 250; p. 390.
Carpet-beater. A. H. Johnson. No. 1,287,028; Dec. 10; v. 257; p. 241.
Carpet-cleaner. F. J. Quist and A. E. Anderson. No. 1,258,811; Mar. 12; v. 248; p. 289.
Carpet-cleaning machine. J. Dehon. No. 1,287,651; Dec. 17; v. 257; p. 427.
Carpet-cleaning machine. H. F. Gray. No. 1,268,963; June 11; v. 251; p. 270.
Carpet-fastener. C. T. Colbery. No. 1,289,119; Dec. 31; v. 257; p. 838.
Carpet fastener, Stair-. M. J. Cole. No. 1,284,244; Nov. 12; v. 256; p. 240.
Carpet-sweeper. C. D. Sargent. No. 1,287,115; Dec. 10; v. 257; p. 264.
Carpet-sweeper, Suction. J. M. Spangler. No. 1,266,638; May 21; v. 250; p. 548.
Carpet-sweepers and the like, Bail for. J. W. Shanahan and B. J. Bouwmeester. No. 1,288,706; Dec. 24; v. 257; p. 714.
Carpet-washing machine. H. F. Gray. No. 1,268,962; June 11; v. 251; p. 270.
Carpet-washing machines, Suction-nozzle for. H. F. Gray. No. 1,283,499; Nov. 5; v. 256; p. 17.
Carpets and the like, Manufacturer of. H. Horsfield. No. 1,261,536; Apr. 2; v. 249; p. 155.
Carpets and the like, Means for the protection of. N. Harrop. No. 1,277,312; Aug. 27; v. 253; p. 912.
Carpets, Process and device for the manufacture of real oriental. M. Bányai. No. 1,251,620; Jan. 1; v. 246; p. 53.
Carpets, Rod-fastener for stair-. W. F. Baker. No. 1,258,853; Mar. 12; v. 248; p. 303.
Carriage-alining means, Work-. W. S. Sherman. No. 1,289,283; Dec. 31; v. 257; p. 879.
Carriage attachment, Baby-. J. E. Bowes and L. P. Searfoss. No. 1,275,521; Aug. 13; v. 253; p. 355.
Carriage, Baby-. W. P. Bauman. No. 1,277,361; Sept. 3; v. 254; p. 7.
Carriage, Baby-. J. B. Schaefer. No. 1,256,379; Feb. 12; v. 247; p. 411.
Carriage-controlling means. G. F. Handley. No. 1,277,719; Sept. 3; v. 254; p. 108.
Carriage, Fore-plate. W. W. Leach. No. 1,265,458; May 7; v. 250; p. 161.
Carriage or perambulator, Baby-. A. J. Adams. No. 1,271,987; July 9; v. 252; p. 380.
Carriage seat, Baby-. W. H. Koster. No. 1,289,477; Dec. 31; v. 257; p. 928.
Carriage-steering mechanism, Baby-. W. Woolsey, Jr. No. 1,258,971; Mar. 12; v. 248; p. 335.
Carriage, Tramway-. J. T. T. Ellis. No. 1,270,131; June 18; v. 251; p. 622.
Carriages, Adjustable rocker for baby-. J. C. Hill. No. 1,269,605; June 18; v. 251; p. 479.
Carriages and the like, Protector for baby-. A. Fernbach. No. 1,257,206; Feb. 19; v. 247; p. 688.
Carriages, Runner for baby-. A. Tamol. No. 1,260,476; Mar. 26; v. 248; p. 831.
Carrier: *See*—
Article-carrier.
Automatic luggage-carrier.
Automobile tire-carrier.
Bag-carrier.
Belt-conveyer carrier.
Bottle-carrier.
Braiding-machine carrier.
Cable-carrier.
Coal-carrier.
Coin-carrier.
Conveyer-belt carrier.
Cuspidor-carrier.
Draw-bar carrier.
Egg-carrier.
Elevated carrier.
Film-carrier.
Grain-binder bundle-carrier.
Grip-carrier.
Hay-carrier.
Ice-cream-cone carrier.
Indexing-carrier.
Jar-carrier.
Key-carrier.
Letter-carrier.
Litter-carrier.
Luggage-carrier.
Mail-carrier.
Man-carrier.
Match-carrier.
Parcel-carrier.
Picture-carrier.
Pipe-carrier.
Pocketed carrier.
Rim-carrier.
Robe-carrier.
Sewing-machine looper-carrier.
Sheaf-carrier.
Store-service carrier.
Thread-carrier.
Tire-carrier.
Tire-device carrier.
Trace-carrier.
Trunk clothes-carrier.
Vehicle baby-carrier.
Woven carrier.
Wick-carrier.
Yoke or shoulder weight-carrier.
Carrier. G. Cordaro. No. 1,251,866; Jan. 1; v. 246; p. 128.
Carrier. J. M. Merritt. No. 1,271,054; July 2; v. 252; p. 85.
Carrier. G. B. Rogers. No. 1,277,483; Sept. 3; v. 254; p. 42.
Carrier attachment. F. Muller, Jr. No. 1,260,937; Mar. 26; v. 248; p. 963.
Carrier-bag. P. H. Seargeant. No. 1,278,810; Sept. 10; v. 254; p. 425.
Carrier-decelerating apparatus, Pneumatic-. A. Koenig. No. 1,256,024; Feb. 12; v. 247; p. 304.
Carrier drive, Lace-braiding-. R. C. Rahm. No. 1,282,945; Oct. 29; v. 255; p. 899.
Carrier drive mechanism, Braiding-. R. C. Rahm. No. 1,282,944; Oct. 29; v. 255; p. 899.
Carrier for eggs, fruit, and the like. A. Hughes. No. 1,288,004; Dec. 17; v. 257; p. 516.
Carrier for wire-cutters or other tools. V. H. Jennings. No. 1,286,597; Dec. 3; v. 257; p. 101.
Carrier-iron. R. S. Hammond. No. 1,287,679; Dec. 17; v. 257; p. 434.
Carrier-tape. G. C. Snyder. No. 1,258,715; Mar. 12; v. 248; p. 262.
Carriers, Brake for revolvable. A. H. Merritt. No. 1,263,268; Apr. 16; v. 249; p. 700.
Carry-iron. T. Rodman and F. M. Stevenson. No. 1,273,541; July 23; v. 252; p. 862.

Carry-iron. J. H. Tinker and D. T. Harris. No. 1,257,424; Feb. 26; v. 247; p. 785.
Carrying-case, Folding. D. Basch. No. 1,266,091; May 14; v. 250; p. 366.
Carrot flakes, Preparing. M. C. Horn. No. 1,272,266; July 9; v. 252; p. 457.
Cart. S. J. Turner. No. 1,259,466; Mar. 12; v. 248; p. 476.
Cart, Dump-. T. Brabson. No. 1,251,469; Jan. 1; v. 246; p. 5.
Cart, Dump-. H. K. Potter. No. 1,285,368; Nov. 19; v. 256; p. 564.
Cart, One-wheel harrow-. J. G. Bridenstine. No. 1,255,509; Feb. 5; v. 247; p. 114.
Cart or wagon. W. E. Sherwood. No. 1,282,472; Oct. 22; v. 255; p. 741.
Cart, Push-. W. Halliburton. No. 1,286,298; Dec. 3; v. 257; p. 28.
Cart, Sanitary. D. Salvati. No. 1,255,649; Feb. 5; v. 247; p. 155.
Cart, Stalk-. C. Massey. No. 1,262,538; Apr. 9; v. 249; p. 465.
Carton. J. K. Farley, Jr. No. 1,269,169; June 11; v. 251; p. 327.
Carton. J. E. Lowy. No. 1,286,038; Nov. 26; v. 256; p. 772.
Carton. C. H. Post. No. 1,259,666; Mar. 19; v. 248; p. 563.
Carton. S. S. Sencenbaugh. No. 1,254,163; Jan. 22; v. 246; p. 872.
Carton. E. O. Tinsley. No. 1,284,817; Nov. 12; v. 256; p. 385.
Carton-blank-feeding machine. G. A. Robinson. No. 1,252,030; Jan. 1; v. 246; p. 173.
Carton-case for collapsible tubes. A. F. Stone. No. 1,252,051; Jan. 1; v. 246; p. 180.
Carton, Dispensing-. E. C. Baldwin. No. 1,281,271; Oct. 15; v. 255; p. 377.
Carton, Display-. R. H. Fitz Gerald. No. 1,272,411; July 16; v. 252; p. 525.
Carton filling and sealing machine. G. F. Helson. No. 1,277,928; Sept. 3; v. 254; p. 164.
Carton filling and weighing machine. C. Redd. No. 1,262,256; Apr. 9; v. 249; p. 386.
Carton-forming machine. C. H. Russell. No. 1,275,759; Aug. 13; v. 253; p. 422.
Carton, Fruit-. L. A. Miller. No. 1,265,475; May 7; v. 250; p. 165.
Carton-handling machine. E. A. Schroeder and J. N. Fooker. No. 1,277,139; Aug. 27; v. 253; p. 869.
Carton-sealing machine. E. Douglass. No. 1,283,479; Nov. 5; v. 256; p. 11.
Carton-stapling machine. E. S. Craig. No. 1,280,410; Oct. 1; v. 255; p. 82.
Cartons and the like, Mechanism for stacking. M. Paridon. No. 1,287,088; Dec. 10; v. 257; p. 257.
Cartons, Mechanism for use in sealing. T. J. Burke. No. 1,283,066; Oct. 29; v. 255; p. 933.
Cartridge. H. Hasting. No. 1,263,763; Apr. 23; v. 249; p. 856.
Cartridge. M. Teleszky. No. 1,278,786; Sept. 10; v. 254; p. 418.
Cartridge apparatus, Hydraulic-. W. J. Reilly and D. V. Sickman. No. 1,271,940; July 9; v. 252; p. 364.
Cartridge-belt. E. B. Stimpson. No. 1,288,261; Dec. 17; v. 257; p. 579.
Cartridge-belt. E. B. Stimpson. No. 1,288,262; Dec. 17; v. 257; p. 579.
Cartridge-belt. E. B. Stimpson. No. 1,288,263; Dec. 17; v. 257; p. 579.
Cartridge-belt. E. B. Stimpson. No. 1,288,264; Dec. 17; v. 257; p. 579.
Cartridge, Blasting-. J. H. Blumenstein. No. 1,263,366; Apr. 23; v. 249; p. 747.
Cartridge for cleaning well-strainers. V. H. Nickerson. No. 1,275,462; Aug. 13; v. 253; p. 339.
Cartridge for shotguns. W. H. Woodhouse. No. 1,277,810; Sept. 3; v. 254; p. 133.
Cartridge-fuse. O. H. Jung. No. 1,287,039; Dec. 10; v. 257; p. 244.
Cartridge, Hydraulic. D. V. Sickman. No. 1,278,393; Sept. 10; v. 254; p. 313.
Cartridge-indicator for repeating or automatic small-arms. A. H. R. de Lempdes. No. 1,252,094; Jan. 1; v. 246; p. 192.
Cartridge-loading machine. W. I. Macomber. No. 1,282,609; Oct. 22; v. 255; p. 778.
Cartridge-loading machine. W. I. Macomber. No. 1,282,610; Oct. 22; v. 255; p. 779.
Cartridge, Multiple-fuse. F. A. Feldkamp. No. 1,254,490; Jan. 22; v. 246; p. 964.
Cartridge-pouch, Bandolier. J. J. Doidge. No. 1,259,491; Mar. 19; v. 248; p. 515.
Cartridge, Refillable fuse-. H. Lutz. No. 1,282,606; Oct. 22; v. 255; p. 778.
Cartridge-shell extractor. H. Wallace. No. 1,275,803; Aug. 13; v. 253; p. 434.
Cartridge-shell, Tubular. T. E. Murray. No. 1,267,257; May 21; v. 250; p. 720.
Cartridge, Testing-. H. A. Porter. No. 1,256,255; Feb. 12; v. 247; p. 374.

Cartridges, Manufacturing tobacco. C. C. Dula. No. 1,282,779; Oct. 29; v. 255; p. 853.
Carving-fork. W. L. Burritt. No. 1,289,384; Dec. 31; v. 257; p. 904.
Case: *See*—
Ammunition-case.
Bottle-case.
Bottle-carrying case.
Bracelet-case.
Brief-case.
Brush-case.
Burial-case.
Camera-carrying case.
Carrying-case.
Carton-case.
Cigarette-case.
Cigarette and match case.
Coil-case.
Dental-floss case.
Display-case.
Egg-case.
Eyeglass-case.
Filing-case.
Filing-system case.
Film-case.
Flash-light case.
Jeweler's testing-case.
Key-case.
Kodak-case.
Lock-case.
Map-case.
Match-case.
Packing-case.
Packing or shipping case.
Pad holder or case.
Parachute-case.
Projector-case.
Routing or filing case.
Sample-case.
Sewing-machine bobbin-case.
Shipping-case.
Shopping and toilet case.
Sorting-case.
Syringe-case.
Thermometer-case.
Ticket-case.
Tobacco-packing case.
Toilet-case.
Transformer and the like case.
Trick-case.
Vanity-case.
Case. A. S. Macdonald. No. 1,264,412; Apr. 30; v. 249; p. 1070.
Case and book, Combined. J. S. Weinberg. No. 1,263,721; Apr. 23; v. 249; p. 845.
Case-hardening compound. L. C. Munn. No. 1,286,061; Nov. 26; v. 256; p. 777.
Case-hardening material. H. Rodman. No. 1,270,874; July 2; v. 252; p. 34.
Casing-head attachment. E. S. Moore and H. H. Thomas. No. 1,281,808; Oct. 15; v. 255; p. 531.
Case or locket. T. F. Hathaway. No. 1,266,256; May 14; v. 250; p. 412.
Case-table. C. H. Dempsey and T. F. Barnes. No. 1,256,211; Feb. 12; v. 247; p. 362.
Casing-head. R. L. Fletcher. No. 1,255,147; Feb. 5; v. 247; p. 10.
Casing-spear. C. T. Mapes. No. 1,262,367; Apr. 9; v. 249; p. 417.
Casement-adjuster. W. C. Lea. No. 1,289,828; Dec. 31; v. 257; p. 1013.
Cash-register. T. Carroll. No. 1,265,301; May 7; v. 250; p. 118.
Cash-register. G. and M. Macbeth. No. 1,264,107; Apr. 23; v. 249; p. 950.
Cash-register. G. and M. Macbeth. No. 1,269,475; June 11; v. 251; p. 411.
Cash-register. G. and M. Macbeth. No. 1,272,977; July 16; v. 252; p. 685.
Cash-register. G. and M. Macbeth. No. 1,272,978; July 16; v. 252; p. 686.
Cash-register and money-changer. J. A. Werner. No. 1,279,053; Sept. 17; v. 254; p. 521.
Cashier-protector. A. W. Schafer. No. 1,284,790; Nov. 12; v. 256; p. 378.
Casket. C. C. Cook. No. 1,261,707; Apr. 2; v. 249; p. 202.
Casket. J. Svanda. No. 1,254,742; Jan. 29; v. 246; p. 1068.
Casket, Burial-. G. A. Bockoven. No. 1,275,207; Aug. 13; v. 253; p. 269.
Casket, Burial-. J. R. Burkhardt. No. 1,268,091; June 4; v. 251; p. 6.
Casket, Burial-. J. D. McKinney. No. 1,260,927; Mar. 26; v. 248; p. 960.
Casket, Burial-. G. S. White. No. 1,289,990; Dec. 31; v. 257; p. 1053.
Casket, Glass. E. H. West. No. 1,256,409; Feb. 12; v. 247; p. 420.
Casket-lowering device. C. A. Purvis. No. 1,261,289; Apr. 2; v. 249; p. 84.
Casket-support. J. H. Donnelly. No. 1,284,261; Nov. 12; v. 256; p. 244.
Casket-support. M. L. Kinnison. No. 1,261,244; Apr. 2; v. 249; p. 71.
Caskets, Canopy device for burial-. J. C. Beck. No. 1,270,773; July 2; v. 252; p. 6.
Casks, barrels, and the like, Machine for treating. R. M. O. Tillman. No. 1,261,188; Apr. 2; v. 249; p. 55.
Cast-iron pipe. J. R. McWane. No. 1,264,198; Apr. 30; v. 249; p. 1010.
Caster. E. B. Baxter. No. 1,284,215; Nov. 12; v. 256; p. 233.
Caster. A. Cohen. No. 1,278,436; Sept. 10; v. 254; p. 323.
Caster. F. L. Ellison. No. 1,275,882; Aug. 13; v. 253; p. 457.
Caster. C. P. Feebusch and J. O. Roberts. No. 1,271,559; July 9; v. 252; p. 259.
Caster. W. T. Hormes. No. 1,274,165; July 30; v. 252; p. 1072.
Caster. E. Hutton. No. 1,259,103; Mar. 12; v. 248; p. 374.

Caster. J. A. Jones. No. 1,286,336; Dec. 3; v. 257; p. 37.
Caster. E. T. Malloy. No. 1,282,448; Oct. 22; v. 255; p. 735.
Caster. H. Walter. No. 1,268,651; June 4; v. 251; p. 166.
Caster, Ball-. S. Waszkiewicz. No. 1,279,048; Sept. 17; v. 254; p. 520.
Caster for furniture, Sliding. R. E. Miller. No. 1,252,827; Jan. 8; v. 246; p. 433.
Caster, Furniture-. A. Elwertoski. No. 1,270,390; June 25; v. 251; p. 720.
Caster, Furniture-. A. Wierszewska. No. 1,265,850; May 14; v. 250; p. 298.
Caster, Glide-. J. E. Whidden. No. 1,263,974; Apr. 23; v. 249; p. 915.
Caster, Roller-bearing. A. Armband. No. 1,271,113; July 2; v. 252; p. 101.
Caster, Subterranean broad-. H. M. Tyson. No. 1,273,694; July 23; v. 252; p. 903.
Caster-shield. E. F. Happensack. No. 1,285,142; Nov. 19; v. 256; p. 506.
Caster-wheel. E. T. Malloy. No. 1,288,949; Dec. 24; v. 257; p. 773.
Caster-wheel for agricultural implements. H. B. Holtvoight. No. 1,252,574; Jan. 8; v. 246; p. 362.
Casting and making same, Intricate tubular. J. Kralund. No. 1,286,654; Dec. 3; v. 257; p. 115.
Casting apparatus. J. H. Bamberg and H. H. Doehler. No. 1,271,993; July 9; v. 252; p. 382.
Casting apparatus. G. W. Bungay. No. 1,279,249; Sept. 17; v. 254; p. 572.
Casting apparatus. P. H. Griffin. No. 1,281,946; Oct. 15; v. 255; p. 558.
Casting apparatus. J. Kralund. No. 1,257,885; Feb. 26; v. 247; p. 923.
Casting charges for projectiles, Method of and apparatus for. P. G. Paris. No. 1,282,623; Oct. 22; v. 255; p. 783.
Casting compound metal units, Process and apparatus for. F. Burchartz. No. 1,255,706; Feb. 5; v. 247; p. 171.
Casting fluid metals, Making molds for. C. Pack and L. F. Nock. No. 1,262,973; Apr. 16; v. 249; p. 617.
Casting lead pigs, Machine for. J. F. Miller. No. 1,255,102; Jan. 29; v. 246; p. 1171.
Casting-machine. J. Kralund. No. 1,266,825; May 21; v. 250; p. 599.
Casting-machine, Centrifugal. G. C. Clark. No. 1,263,208; Apr. 16; v. 249; p. 685.
Casting-machine, Centrifugal. D. S. De Lavaud. No. 1,257,325; Feb. 26; v. 247; p. 759.
Casting-machine, Centrifugal. D. S. De Lavaud. No. 1,276,038; Aug. 20; v. 253; p. 530.
Casting machine, Slug-. T. W. Johns. No. 1,277,598; Sept. 3; v. 254; p. 73.
Casting machines, Assembler-slide-controlling device for type-bar-. E. T. Waters. No. 1,273,962; July 30; v. 252; p. 1016.
Casting machines, Lead-supply system for pig-. J. F. Miller. No. 1,255,103; Jan. 29; v. 246; p. 1171.
Casting-machines, Water-cooled display-type matrix-holder for monotype. E. W. Fabry. No. 1,277,561; Sept. 3; v. 254; p. 63.
Casting metal, Method and apparatus for. A. Stanowsky. No. 1,273,418; July 23; v. 252; p. 829.
Casting metals, Mold for. M. Smith. No. 1,281,679; Oct. 15; v. 255; p. 486.
Casting molds, Device for heating metal-. A. C. Atkinson. No. 1,280,631; Oct. 8; v. 255; p. 169.
Casting-pattern. M. E. Fernald. No. 1,266,242; May 14; v. 250; p. 409.
Casting-patterns, Machine for making. M. E. Fernald. No. 1,278,898; Sept. 17; v. 254; p. 479.
Casting-patterns, Machine for operating upon. C. C. Blake. No. 1,267,842; May 28; v. 250; p. 911.
Casting-patterns, Machine for operating upon. C. C. Blake. No. 1,284,858; Nov. 12; v. 256; p. 396.
Casting-patterns, Making. M. E. Fernald. No. 1,266,113; May 14; v. 250; p. 373.
Casting radiators, sectional boilers, and the like, Apparatus for. F. J. Nilsson. No. 1,256,588; Feb. 19; v. 247; p. 508.
Casting slugs, Method of and apparatus for. J. R. Rogers. No. 1,259,671; Mar. 19; v. 248; p. 565.
Casting steel ingots. H. H. Ashdown. No. 1,251,951; Jan. 1; v. 246; p. 150.
Castings and forming the same, Mold for hollow. W. L. Mersfelder and A. F. Radka. No. 1,266,700; May 21; v. 250; p. 565.
Castings, Apparatus for heating. R. W. Wiederwax. No. 1,275,638; Aug. 13; v. 253; p. 388.
Castings, Apparatus for making metal. S. Lake. No. 1,272,062; July 9; v. 252; p. 401.
Castings, Indestructible marking device for. E. Ferriss. No. 1,251,491; Jan. 1; v. 246; p. 12.
Cat, squirrel, and animal guard. G. K. Rix. No. 1,286,416; Dec. 3; v. 257; p. 57.
Catalogue. F. C. Brown. No. 1,286,522; Dec. 3; v. 257; p. 84.
Catalogue, Shopper's. H. B. Abel. No. 1,254,560; Jan. 22; v. 246; p. 985.
Catalogue-wrapping machine. J. D. Reifsnyder and W. A. Weightman. No. 1,269,308; June 11; v. 251; p. 367.
Catalyst. A. Schwarcman. No. 1,282,296; Oct. 22; v. 255; p. 692.
Catalyst. A. Schwarcman. No. 1,282,297; Oct. 22; v. 255; p. 694.
Catalyst and making same. A. Schwarcman. No. 1,280,314; Oct. 1; v. 255; p. 56.
Catalysts, Preparation and production of. J. Dewar and A. Liebmann. No. 1,268,692; June 4; v. 251; p. 176.
Catalytic agent. A. Mittasch, C. Schneider, and H. Morawitz. No. 1,256,032; Feb. 12; v. 247; p. 306.
Catalyzer and making same. C. Ellis. No. 1,255,590; Feb. 5; v. 247; p. 138.
Catalyzer and making the same. F. W. Weber. No. 1,252,973; Jan. 8; v. 246; p. 477.
Catalyzers, Making. W. D. Richardson. No. 1,257,531; Feb. 26; v. 247; p. 819.
Catalyzers, Making metallic. W. D. Richardson. No. 1,257,396; Feb. 26; v. 247; p. 778.
Catamenial appliance. L. E. Norquist. No. 1,263,797; Apr. 23; v. 249; p. 865.
Catch. D. Borah. No. 1,258,307; Mar. 5; v. 248; p. 104.
Catch device. F. A. Ballou, Jr. No. 1,287,825; Dec. 17; v. 257; p. 472.
Catch for bags, Lift-. C. E. Bradshaw. No. 1,282,533; Oct. 22; v. 255; p. 758.
Catch or lock, Automatic. D. B. Camper. No. 1,252,776; Jan. 8; v. 246; p. 420.
Catch, Safety-. F. A. Ballou, Jr. No. 1,262,734; Apr. 16; v. 249; p. 550.
Catch, Safety-. C. A. Goozey. No. 1,262,777; Apr. 16; v. 249; p. 562.
Catch, Safety-. G. H. Tilford. No. 1,274,630; Aug. 6; v. 253; p. 84.
Catheter. L. Schooler. No. 1,273,542; July 23; v. 252; p. 862.
Cathode for X-ray tubes. F. J. Farrelly and A. Greiner. No. 1,275,542; Aug. 13; v. 253; p. 360.
Catnip mouse. E. M. Ludlam. No. 1,265,926; May 14; v. 250; p. 321.
Cattle-guard. H. C. Bates. No. 1,253,459; Jan. 15; v. 246; p. 652.
Cattle-guard. J. H. Bullard. No. 1,257,671; Feb. 26; v. 247; p. 859.
Cattle-guard. E. E. Dugger and W. D. Woods. No. 1,271,503; July 2; v. 252; p. 209.
Cattle-guard. J. T. McCraw. No. 1,275,060; Aug. 6; v. 253; p. 204.
Cattle-guard. J. Nelson. No. 1,252,153; Jan. 1; v. 246; p. 208.
Cattle-guard. G. H. Russell. No. 1,254,072; Jan. 22; v. 246; p. 845.
Cattle-guard. A. W. Smith. No. 1,255,478; Feb. 5; v. 247; p. 105.
Cattle-stanchion. W. J. Snelson. No. 1,285,440; Nov. 19; v. 256; p. 583.
Cattle-stanchion and support therefor. C. M. Stevenson. No. 1,286,440; Dec. 3; v. 257; p. 63.
Cavalry-machine. E. Chmielewski. No. 1,278,592; Sept. 10; v. 254; p. 366.
Cedar chest, Sectional. J. A. Glanton. No. 1,256,306; Feb. 12; v. 247; p. 389.
Ceiling and floor construction, Combination. W. M. Thomas. No. 1,280,586; Oct. 1; v. 255; p. 131.
Cell. J. L. Malm. No. 1,255,197; Feb. 5; v. 247; p. 24.
Cello-rest. B. Poehland. No. 1,288,179; Dec. 17; v. 257; p. 559.
Celluloid-like substance and making same. S. Satow. No. 1,280,862; Oct. 8; v. 255; p. 234.
Celluloid sheet, Composite. W. S. Sillcocks. No. 1,257,541; Feb. 26; v. 247; p. 822.
Cellulose acetate and making same. H. Dreyfus. No. 1,280,974; Oct. 8; v. 255; p. 262.
Cellulose acetate and making same. F. Ruppert. No. 1,263,119; Apr. 16; v. 249; p. 661.
Cellulose acetate insoluble in chloroform and in chloroform-alcohol, Making. H. Dreyfus. No. 1,280,975; Oct. 8; v. 255; p. 263.
Cellulose acetates, Making. H. Dreyfus. No. 1,278,885; Sept. 17; v. 254; p. 475.
Cellulose acetate, Manufacture of. J. Koetschet. No. 1,258,913; Mar. 12; v. 248; p. 319.
Cellulose acetate, Preparation of. G. J. Esselen, Jr., and H. S. Mork. No. 1,275,884; Aug. 13; v. 253; p. 458.
Cellulose acetates, Transforming. H. Dreyfus. No. 1,286,172; Nov. 26; v. 256; p. 803.
Cellulose, Apparatus for drowning, washing, and conveying nitrated. J. D. Flack. No. 1,280,981; Oct. 8; v. 255; p. 264.
Cellulose, Apparatus for the manufacture of. E. Schauffelberger. No. 1,282,635; Oct. 22; v. 255; p. 786.
Cellulose compounds, Manufacture and production of. W. H. Glover and L. P. Wilson. No. 1,279,328; Sept. 17; v. 254; p. 595.
Cellulose compounds, Manufacture of. W. H. Glover and L. P. Wilson. No. 1,279,329; Sept. 17; v. 254; p. 595.
Cellulose compounds, Manufacture of. L. P. Wilson. No. 1,279,200; Sept. 17; v. 254; p. 559.
Cellulose-containing materials and recovering substances used therein, Treating. O. G. Stage. No. 1,279,604; Sept. 24; v. 254; p. 694.

Cellulosic materials and products thereof, Treating the residual liquor obtained in the hydrolysis of. T. B. Wagner. No. 1,261,328; Apr. 2; v. 249; p. 96.
Cement. W. H. Allen. No. 1,261,750; Apr. 9; v. 249; p. 247.
Cement. B. C. Davey. No. 1,253,011; Jan. 8; v. 246; p. 489.
Cement and cement product, Making mixtures with water-reacting. C. M. Chapman and M. E. Johnson. No. 1,259,462; Mar. 12; v. 248; p. 475.
Cement and concrete construction. B. J. Parker. No. 1,280,530; Oct. 1; v. 255; p. 115.
Cement and making same, Plastic. H. Abraham. No. 1,253,454; Jan. 15; v. 246; p. 651.
Cement and producing it, Waterproof. D. Davidson. No. 1,285,636; Nov. 26; v. 256; p. 671.
Cement-applying device. S. Lipson. No. 1,288,941; Dec. 24; v. 257; p. 770.
Cement-block machine. G. W. Caster. No. 1,252,659; Jan. 8; v. 246; p. 386.
Cement-chimney-section mold. J. M. Kemp. No. 1,285,217; Nov. 19; v. 256; p. 526.
Cement copper, Treatment of. C. A. Hall. No. 1,290,024; Dec. 31; v. 257; p. 1062.
Cement flue-dust, Increasing the solubility of potassium compound in. F. S. Moon. No. 1,283,261; Oct. 29; v. 255; p. 984.
Cement for pickling-vats. C. E. Manby. No. 1,259,651; Mar. 19; v. 248; p. 559.
Cement-form tie-clamp. O. D. McCord. No. 1,272,281; July 9; v. 252; p. 462.
Cement-kiln dust, Increasing the solubility of the potassium content of. R. J. Nestell. No. 1,274,310; July 30; v. 252; p. 1111.
Cement, Making. E. C. Eckel. No. 1,255,995; Feb. 12; v. 247; p. 296.
Cement, Manufacture of acid and water proof. C. C. Meigs. No. 1,252,013; Jan. 1; v. 246; p. 168.
Cement, Manufacture of building. A. H. Hambloch. No 1,252,264; Jan. 1; v. 246; p. 237.
Cement material and producing. A. S. Dwight and R. L. Lloyd. No. 1,283,483; Nov. 5; v. 256; p. 13.
Cement-molds, Adjustable support for. J. Veit. No. 1,280,112; Sept. 24; v. 254; p. 838.
Cement-packing machine. A. V. Jensen. No. 1,259,993; Mar. 19; v. 248; p. 661.
Cement-post mold. H. W. Watson. No. 1,260,105; Mar. 19; v. 248; p. 692.
Cement-reinforcement. O. D. Collis. No. 1,269,553; June 11; v. 251; p. 432.
Cement-sacks, Tie-wire for. N. Askeland. No. 1,266,902; May 21; v. 250; p. 620.
Cement, X-ray-protective. P. Poetschke. No. 1,278,010; Sept. 3; v. 254; p. 185.
Cementation compound and making same. G. W. Pressell. No. 1,269,957; June 18; v. 251; p. 576.
Cementing-machine. W. A. Knipe. No. 1,287,700; Dec. 17; v. 257; p. 439.
Cementing-machine. W. F. Smith. No. 1,288,247; Dec. 17; v. 257; p. 575.
Cementing material. T. D. Kelly. No. 1,262,512; Apr. 9; v. 249; p. 457.
Center and tool-holder. C. H. Norton. No. 1,261,157; Apr. 2; v. 249; p. 47.
Center-bearing pin. J. M. Coleman. No. 1,255,135; Feb. 5; v. 247; p. 7.
Center-finder. W. Elsasser. No. 1,264,910; May 7; v. 250; p. 10.
Center-finder. J. B. Gurn and A. P. Anholtt. No. 1,253,680; Jan. 15; v. 246; p. 714.
Center-finder, Universal. H. P. Whipple. No. 1,274,647; Aug. 6; v. 253; p. 88.
Center-indicator. H. Casler. No. 1,252,777; Jan. 8; v. 246; p. 421.
Centering device. F. H. Brennan. No. 1,255,507; Feb. 5; v. 247; p. 113.
Centering device. J. A. Hillerich. No. 1,281,569; Oct. 15; v. 255; p. 457.
Centering-gage. A. E. Bonney. No. 1,280,379; Oct. 1; v. 255; p. 74.
Centrifugal air-compression system. R. V. Morse. No. 1,280,276; Oct. 1; v. 255; p. 45.
Centrifugal amalgamator. A. J. Anderson. No. 1,284,963; Nov. 19; v. 256; p. 460.
Centrifugal apparatus. J. L. Hiller. No. 1,280,469; Oct. 1; v. 255; p. 98.
Centrifugal apparatus. H. H. Stephens. No. 1,262,129; Apr. 9; v. 249; p. 351.
Centrifugal casting-machine. H. S. Frank. No. 1,283,139; Oct. 29; v. 255; p. 952.
Centrifugal compressor. L. C. Loewenstein. No. 1,287,367; Dec. 10; v. 257; p. 327.
Centrifugal compressor. S. A. Moss. No. 1,281,995; Oct. 15; v. 255; p. 570.
Centrifugal compressors, Method of and means for preventing pulsations in. C. A. Schellens. No. 1,281,216; Oct. 8; v. 255; p. 330.
Centrifugal compressors, Pulsation-preventing apparatus for. S. A. Moss. No. 1,280,811; Oct. 8; v. 255; p. 220.
Centrifugal compressors, Pulsation-preventing mechanism for. R. H. Rice. No. 1,280,843; Oct. 8; v. 255; p. 229.
Centrifugal compressors, Pulsation-preventing mechanism for. C. A. Schellens. No. 1,281,217; Oct. 8; v. 255; p. 331.
Centrifugal drier. F. B. Anderson. No. 1,271,112; July 2; v. 252; p. 101.
Centrifugal drier, Continuous. W. F. Downing, Jr., and C. L. Weil. No. 1,259,727; Mar. 19; v. 248; p. 581.
Centrifugal extractor. G. W. Lewis. No. 1,253,987; Jan. 15; v. 246; p. 800.
Centrifugal extractor. R. M. Smith. No. 1,275,486; Aug. 13; v. 253; p. 345.
Centrifugal governor. H. F. Leissner. No. 1,260,922; Mar. 26; v. 248; p. 959.
Centrifugal machine. U. F. S. Hartman and A. H. La Casse. No. 1,255,007; Jan. 29; v. 246; p. 1144.
Centrifugal machine. L. Salcines. No. 1,253,428; Jan. 15; v. 246; p. 643.
Centrifugal-machine brake. M. Daly. No. 1,251,482; Jan. 1; v. 246; p. 9.
Centrifugal machines, Lubricating device for turbine-driven. H. O. Lindgren. No. 1,253,400; Jan. 15; v. 246; p. 635.
Centrifugal machines, Speed-indicator for. C. O. Anderson. No. 1,278,088; Sept. 10; v. 254; p. 232.
Centrifugal process. T. A. Bryson. No. 1,280,153; Oct. 1; v. 255; p. 9.
Centrifugal pump. P. Ostenberg. No. 1,283,879; Nov. 5; v. 256; p. 117.
Centrifugal screen. O. M. Gruender. No. 1,284,095; Nov. 5; v. 256; p. 173.
Centrifugal screen, Horizontal. J. H. Baker. No. 1,256,507; Feb. 19; v. 247; p. 485.
Centrifugal separating-machines, Drive for. C. B. Dalzell. No. 1,284,613; Nov. 12; v. 256; p. 333.
Centrifugal separator. F. W. Horstmann. No. 1,253,037; Jan. 8; v. 246; p. 498.
Centrifugal separator. F. L. Jefferies. No. 1,256,697; Feb. 19; v. 247; p. 539.
Centrifugal separator. M. Leitch. No. 1,263,439; Apr. 23; v. 249; p. 769.
Centrifugal separator. A. M. Mark and B. H. McElvain. No. 1,283,846; Nov. 5; v. 256; p. 108.
Centrifugal separator. M. B. Miller. No. 1,257,515; Feb. 26; v. 247; p. 814.
Centrifugal separator. T. H. Parker. No. 1,262,384; Apr. 9; v. 249; p. 423.
Centrifugal separator. P. T. Sharples. No. 1,277,653; Sept. 3; v. 254; p. 89.
Centrifugal separator. F. S. Snyder. No. 1,283,343; Oct. 29; v. 255; p. 1005.
Centrifugal separator. D. B. Weston. No. 1,279,056; Sept. 17; v. 254; p. 522.
Centrifugal separator. D. B. Weston. No. 1,279,057; Sept. 17; v. 254; p. 522.
Centrifugal separator or clarifier. H. A. Riggs. No. 1,271,367; July 2; v. 252; p. 172.
Centrifugal separators, Cream-regulating screw for. M. Leitch. No. 1,284,914; Nov. 12; v. 256; p. 411.
Centrifugal switch. J. R. Cook. No. 1,261,102; Apr. 2; v. 249; p. 32.
Centrifugal switch. J. T. Janette. No. 1,278,936; Sept. 17; v. 254; p. 490.
Centrifugal switch. H. M. Scheibe. No. 1,279,012; Sept. 17; v. 254; p. 510.
Ceramic article and making the same, Refractory. A. W. Olver. No. 1,273,529; July 23; v. 252; p. 859.
Ceramic moldable composition. W. M. W. Horn. No. 1,251,888; Jan. 1; v. 246; p. 134.
Ceramics, Machine for molding. D. W. McNeil. No. 1,253,405; Jan. 15; v. 246; p. 637.
Cereal-box. F. W. Rice. No. 1,266,992; May 21; v. 250; p. 646.
Cereal-cutter. F. G. Gauntt. No. 1,252,898; Jan. 8; v. 246; p. 453.
Cereal food product and making same, Flaked. W. H. Post. No. 1,286,766; Dec. 3; v. 257; p. 139.
Cerium and the like, Making metallic. A. and M. Hirsch. No. 1,273,223; July 23; v. 252; p. 777.
Cerium-group metals from monazite sands, Obtaining compounds of. W. S. Chase. No. 1,279,257; Sept. 17; v. 254; p. 574.
Certificate of deposit. J. E. Hanzlik. No. 1,286,303; Dec. 3; v. 257; p. 29.
Chaff-cutting machine. L. A. Diaz. No. 1,284,068; Nov. 5; v. 256; p. 166.
Chain. H. B. Layman. No. 1,259,028; Mar. 12; v. 248; p. 353.
Chain. H. B. Layman. No. 1,268,254; June 4; v. 251; p. 52.
Chain. O. J. McGowan. No. 1,280,507; Oct. 1; v. 255; p. 109.
Chain. A. B. Taylor. No. 1,270,460; June 25; v. 251; p. 739.
Chain and gear, Drive. H. B. Layman. No. 1,259,027; Mar. 12; v. 248; p. 353.
Chain-assembling machine. O. H. Spencer and F. J. Oakes. No. 1,256,945; Feb. 19; v. 247; p. 613.
Chain-assembling machine, Silent-. O. H. Spencer and F. J. Oakes. No. 1,256,944; Feb. 19; v. 247; p. 613.
Chain attachment. E. J. Brooks. No. 1,256,105; Feb. 12; v. 247; p. 329.

Chain, Bead-. W. J. Gagnon. No. 1,270,143; June 18; v. 251; p. 626.
Chain, belt, and the like. A. Roscetta. No. 1,260,714; Mar. 26; v. 248; p. 903.
Chain-connector. J. R. Reyburn. No. 1,284,774; Nov. 12; v. 256; p. 374.
Chain-connector. L. J. Vetter. No. 1,257,158; Feb. 19; v. 247; p. 674.
Chain construction. C. J. Roach. No. 1,257,398; Feb. 26; v. 247; p. 779.
Chain container, Tire-. F. C. Spahn. No. 1,257,647; Feb. 26; v. 247; p. 853.
Chain, Drive-. J. K. Stewart. No. 1,269,656; June 18; v. 251; p. 494.
Chain, Driving-. G. Baumann. No. 1,269,997; June 18; v. 251; p. 587.
Chain, Driving-. J. J. Bucher. No. 1,258,183; Mar. 5; v. 248; p. 68.
Chain, Driving-. F. W. Soehnlein, C. Kusenberg, and M. Franz. No. 1,253,542; Jan. 15; v. 246; p. 674.
Chain, Driving-. G. Wadhams and A. T. Best. No. 1,275,329; Aug. 13; v. 253; p. 303.
Chain-end coupling. W. J. Gagnon. No. 1,259,388; Mar. 12; v. 248; p. 454.
Chain-fastener. D. Keil. No. 1,275,265; Aug. 13; v. 253; p. 285.
Chain-fastener. W. C. Johnson. No. 1,278,477; Sept. 10; v. 254; p. 334.
Chain-fastener. J. R. Morgan. No. 1,264,676; Apr. 30; v. 249; p. 1143.
Chain-fastening. S. Rosenberg. No. 1,267,119; May 21; v. 250; p. 682.
Chain fastening and tensioning device. S. B. Wheway. No. 1,264,725; Apr. 30; v. 249; p. 1156.
Chain-fastening device. C. J. Wennberg. No. 1,252,523; Jan. 8; v. 246; p. 346.
Chain, Flexible. J. Schade. No. 1,266,996; May 21; v. 250; p. 647.
Chain for conveyers. D. Fraser. No. 1,281,934; Oct. 15; v. 255; p. 556.
Chain for stretching or tentering fabrics. J. Graham. No. 1,280,442; Oct. 1; v. 255; p. 91.
Chain grizzly. J. C. Barr. No. 1,276,005; Aug. 20; v. 253; p. 521.
Chain hook, Mud-. J. W. Beck. No. 1,285,597; Nov. 26; v. 256; p. 661.
Chain jack. J. W. Lippincott. No. 1,265,461; May 7; v. 250; p. 162.
Chain joint, Silent-. W. A. Rockenfield. No. 1,273,001; July 16; v. 252; p. 692.
Chain, Lazy-. D. E. Phelps. No. 1,254,351; Jan. 22; v. 246; p. 925.
Chain-link. H. L. Duncan. No. 1,256,118; Feb. 12; v. 247; p. 332.
Chain-link. E. T. Mueller. No. 1,271,202; July 2; v. 252; p. 128.
Chain-link. P. E. Nelson. No. 1,269,733; June 18; v. 251; p. 515.
Chain-link. M. B. Ryan. No. 1,260,065; Mar. 19; v. 248; p. 682.
Chain-link forming and opening machine. G. J. Armstrong and F. C. Le Messurier. No. 1,281,479; Oct. 15; v. 255; p. 434.
Chain-link-forming machine. F. H. Howard. No. 1,271,165; July 2; v. 252; p. 116.
Chain-links, Making. H. L. Duncan. No. 1,256,117; Feb. 12; v. 247; p. 332.
Chain links, Positioner for silent-. O. H. Spencer. No. 1,256,943; Feb. 19; v. 247; p. 612.
Chain links, Positioning device for silent-. H. E. Hayward. No. 1,256,897; Feb. 19; v. 247; p. 599.
Chain links, Stacker for silent-. O. H. Spencer. No. 1,256,942; Feb. 19; v. 247; p. 611.
Chain-lock. J. C. Clarkson. No. 1,280,163; Oct. 1; v. 255; p. 13.
Chain-lock. J. Q. Neal. No. 1,265,486; May 7; v. 250; p. 168.
Chain-lock. E. E. Noble. No. 1,261,052; Apr. 2; v. 249; p. 18.
Chain-lock. E. H. Staudinger. No. 1,258,373; Mar. 5; v. 248; p. 122.
Chain-making. C. A. Becker. No. 1,273,810; July 30; v. 252; p. 971.
Chain-mending device. E. D. Woods. No. 1,279,066; Sept. 17; v. 254; p. 525.
Chain or bracelet. C. G. King. No. 1,271,041; July 2; v. 252; p. 82.
Chain retainer, Drive-. I. Ornberg. No. 1,282,118; Oct. 22; v. 255; p. 646.
Chain, Sprocket-. M. H. Fisher. No. 1,266,572; May 21; v. 250; p. 528.
Chain, Sprocket-. D. M. Robertson. No. 1,282,463; Oct. 22; v. 255; p. 739.
Chain-stitch machines, Lower-thread control for. A. H. De Voe. No. 1,273,157; July 23; v. 252; p. 760.
Chain-stitch machines, Throat-plate for double-. A. H. De Voe. No. 1,254,214; Jan. 22; v. 246; p. 886.
Chain, Swivel-. M. Lewis. No. 1,273,241; July 23; v. 252; p. 782.
Chain-tightener. T. S. Courtney. No. 1,275,398; Aug. 13; v. 253; p. 322.
Chain-tightener. P. J. Ginley. No. 1,283,729; Nov. 5; v. 256; p. 76.
Chain tightener, fastener, and lock. W. Wells. No. 1,262,147; Apr. 9; v. 249; p. 355.
Chain-tightening tool. G. W. Ruthven. No. 1,276,815; Aug. 27; v. 253; p. 782.
Chain, Track-. B. Holt. No. 1,258,613; Mar. 5; v. 248; p. 195.
Chain, Track-. E. F. Norelius. No. 1,258,601; Mar. 5; v. 248; p. 190.
Chain-track drive and support. E. E. Wickersham. No. 1,258,288; Mar. 5; v. 248; p. 98.
Chain track for tractors, Endless-. B. Holt. No. 1,258,612; Mar. 5; v. 248; p. 194.
Chain tracks, Support for. E. E. Wickersham. No. 1,258,611; Mar. 5; v. 248; p. 194.
Chain, Traction-belt. E. F. Sullivan. No. 1,271,239; July 2; v. 252; p. 138.
Chain wrench, Adjustable. H. C. Larick and S. M. Stough. No. 1,268,129; June 4; v. 251; p. 17.
Chains, Adjusting and locking device for skid-. J. S. Boyd. No. 1,257,578; Feb. 26; v. 247; p. 833.
Chains, Anchor for antiskid-. R. I. Burlingame. No. 1,279,837; Sept. 24; v. 254; p. 762.
Chains, Apparatus for making metal. T. E. Murray. No. 1,267,255; May 21; v. 250; p. 719.
Chains, bracelets, &c., Link for watch-. O. P. Bailer. No. 1,270,916; July 2; v. 252; p. 47.
Chains, Casing for drive-. C. R. Weiss. No. 1,266,187; May 14; v. 250; p. 394.
Chains, Center attachment for. J. A. Pryor. No. 1,270,208; June 18; v. 251; p. 643.
Chains, Emergency repair-link for antiskid-. J. R. Stack. No. 1,265,543; May 7; v. 250; p. 183.
Chains, Fastener for antiskid-. W. O. Harmon. No. 1,271,464; July 2; v. 252; p. 198.
Chains, Making. T. J. Mumford, 2d, and H. W. Sinclair. No. 1,262,613; Apr. 9; v. 249; p. 487.
Chains, Repair-link for. C. H. Vogt. No. 1,280,906; Oct. 8; v. 255; p. 245.
Chair: *See*—
Adjustable chair.
Baby-chair.
Baby and wheeling chair.
Barber or dental chair.
Barber's chair.
Child's chair.
Combination-chair.
Convertible chair.
Electrotherapeutical chair.
Foldable or collapsible chair.
Folding chair.
High chair.
Infant's chair.
Invalid-chair.
Lineman's chair.
Locomotive-chair.
Multiform chair.
Nursery-chair.
Opera-chair.
Rail-chair.
Reclining-chair.
Rocking-chair.
Rolling-chair.
Sanitary chair.
Soldier's chair.
Swing-chair.
Theater-chair.
Wheeled chair.
Window-chair.
Chair. J. Bennett, Jr. No. 1,264,259; Apr. 30; v. 249; p. 1027.
Chair. F. Burjanek. No. 1,253,346; Jan. 15; v. 246; p. 617.
Chair. V. Civitillo. No. 1,284,596; Nov 12; v. 256; p. 329.
Chair. O. R. Hasty and H. A. Atwood. No. 1,278,643; Sept. 10; v. 254; p. 380.
Chair. E. A. Howe. No. 1,256,902; Feb. 19; v. 247; p. 600.
Chair. W. H. Hultgren and G. R. Rebmann. No. 1,279,346; Sept. 17; v. 254; p. 600.
Chair. C. Jellinek and D. Stern. No. 1,271,170; July 2; v. 252; p. 118.
Chair. C. D. Jones. No. 1,270,738; June 25; v. 251; p. 812.
Chair. G. M. Kaiser and C. Adler. No. 1,286,338; Dec. 3; v. 257; p. 38.
Chair. R. M. Keating. No. 1,263,324; Apr. 16; v. 249; p. 714.
Chair. M. Krause. No. 1,266,691; May 21; v. 250; p. 562.
Chair. M. B. Okun. No. 1,279,414; Sept. 17; v. 254; p. 618.
Chair. G. J. Pike. No. 1,256,726; Feb. 19; v. 247; p. 548.
Chair. G. R. Rebmann and W. H. Hultgren. No. 1,265,384; May 7; v. 250; p. 141.
Chair. H. Rowntree. No. 1,286,421; Dec. 3; v. 257; p. 58.
Chair. H. Sayles. No. 1,288,216; Dec. 17; v. 257; p. 568.
Chair. A. W. Schramm. No. 1,268,886; June 11; v. 251; p. 249.
Chair. J. A. Torano. No. 1,273,953; July 30; v. 252; p. 1013.
Chair. E. G. Watkins. No. 1,270,350; June 25; v. 251; p. 708.
Chair. J. J. Wittwer, Sr. No. 1,256,856; Feb. 19; v. 247; p. 587.
Chair adjustment, Reclining-. C. P. Turner. No. 1,251,709; Jan. 1; v. 246; p. 80.
Chair adjustment, Revolving and tilting. C. J. Travers. No. 1,263,157; Apr. 16; v. 249; p. 671.
Chair adjustment, Sheet-metal. C. J. Travers. No. 1,263,163; Apr. 16; v. 249; p. 673.

Chair adjustments, &c., Sheet-metal hand-wheel for. C. J. Travers. No. 1,263,158; Apr. 16; v. 249; p. 672
Chair and bed, Combined. S. Lanes. No. 1,261,040; Apr. 2; v. 249; p. 15.
Chair and bed, Combined. W. V. Slack. No. 1,262,110; Apr. 9; v. 249; p. 345.
Chair and couch, Convertible. J. P. Strand. No. 1,287,789; Dec. 17; v. 257; p. 463.
Chair and table, Combined. A. W. Macon. No. 1,255,764; Feb. 5; v. 247; p. 189.
Chair and table, Combined. J. H. Sill. No. 1,269,967; June 18; v. 251; p. 578.
Chair and table combined. G. Vordermark. No. 1,265,977; May 14; v. 250; p. 335.
Chair attachment. J. Heusser. No. 1,279,692; Sept. 24; v. 254; p. 720.
Chair attachment. A. Singer. No. 1,269,325; June 11; v. 251; p. 372.
Chair attachment, Barber-. M. Perpick. No. 1,260,032; Mar. 19; v. 248; p. 672.
Chair attachment, Rocking-. A. Frazier. No. 1,264,913; May 7; v. 250; p. 11.
Chair-back. J. F. Walton. No. 1,254,949; Jan. 29; v. 246; p. 1130.
Chair-back. J. F. Walton. No. 1,254,950; Jan. 29; v. 246; p. 1130.
Chair-back, Adjustable. H. Brusius. No. 1,264,265; Apr. 30; v. 249; p. 1028.
Chair-back, Adjustable. H. Mertz. No. 1,275,067; Aug. 6; v. 253; p. 206.
Chair-brace. H. N. Nottingham. No. 1,287,084; Dec. 10; v. 257; p. 256.
Chair fan attachment, Rocking-. J. Wesoty. No. 1,256,962; Feb. 19; v. 247; p. 618.
Chair guard, Baby-. F. G. Kapelman. No. 1,253,044; Jan. 8; v. 246; p. 500.
Chair-iron. H. W. Bolens. No. 1,272,365; July 16; v. 252; p. 513.
Chair-iron. H. W. Bolens. No. 1,282,035; Oct. 22; v. 255; p. 622.
Chair-iron. D. R. Collier. No. 1,287,640; Dec. 17; v. 257; p. 423.
Chair-iron. H. G. Hunn. No. 1,277,726; Sept. 3; v. 254; p. 110.
Chair-iron. C. J. Travers. No. 1,263,156; Apr. 16; v. 249; p. 671.
Chair-iron. W. W. and L. Wolff. No. 1,263,502; Apr. 23; v. 249; p. 788.
Chair-leg extension. J. Dittrick. No. 1,272,636; July 16; v. 252; p. 589.
Chair-leg extension. H. N. Enholm. No. 1,251,649; Jan. 1; v. 246; p. 62.
Chair-operated device, Rocking-. R. H. Beilke. No. 1,254,387; Jan. 22; v. 246; p. 935.
Chair-seat. A. Wanner, Jr. No. 1,285,501; Nov. 19; v. 256; p. 597.
Chair seat and back, Barber-. M. N. Mikulic. No. 1,265,474; May 7; v. 250; p. 165.
Chair-seat-supporting means, Willow-. S. P. Sulo. No. 1,288,272; Dec. 17; v. 257; p. 581.
Chair-seats, Manufacture of. A. Wanner, Jr. No. 1,251,715; Jan. 1; v. 246; p. 81.
Chair-seats, Spider for. C. J. Travers. No. 1,256,846; Feb. 19; v. 247; p. 583.
Chair, table, and fire-escape, Combined. Y. Iwata. No. 1,265,203; May 7; v. 250; p. 92.
Chair-tray. M. N. Harris. No. 1,285,146; Nov. 19; v. 256; p. 507.
Chair tray, High-. J. B. Parker. No. 1,254,155; Jan. 22; v. 246; p. 870.
Chairs, Adjustable foot-rest for. C. A. Lee. No. 1,262,216; Apr. 9; v. 249; p. 376.
Chairs, Adjustment for the backs of type-writer. C. J. Travers. No. 1,263,159; Apr. 16; v. 249; p. 672.
Chairs, Adjustment for the backs of type-writer. C. J. Travers. No. 1,263,161; Apr. 16; v. 249; p. 672.
Chairs, Adjustment for the backs of type-writer. C. J. Travers. No. 1,263,162; Apr. 16; v. 249; p. 673.
Chairs and other articles, Manufacture of covered frame-pieces for. H. B. Morris. No. 1,265,941; May 14; v. 250; p. 325.
Chairs, &c., Base for revolving. C. J. Travers. No. 1,263,160; Apr. 16; v. 249; p. 672.
Chairs, Locking mechanism for reclining-. O. L. Ostendorf. No. 1,255,563; Feb. 5; v. 247; p. 131.
Chairs, Manufacture of. H. B. Morris. No. 1,273,521; July 23; v. 252; p. 857.
Chairs, Pneumatic attachment for rocking-. V. Sramcik. No. 1,267,814; May 28; v. 250; p. 902.
Chairs, Tray attachment for high. E. J. Heule and G. Graham. No. 1,270,029; June 18; v. 251; p. 596.
Chairs, Wrap-holder for theater-. J. M. Love. No. 1,267,239; May 21; v. 250; p. 715.
Chalice and paten, Combined. W. A. Day. No. 1,251,646; Jan. 1; v. 246; p. 62.
Chalk-holder. T. Apostle. No. 1,254,564; Jan. 22; v. 246; p. 986.
Chalk-holder. C. J. Doty. No. 1,260,881; Mar. 26; v. 248; p. 948.
Chalk-holder. G. Stepanchak. No. 1,281,223; Oct. 8; v. 255; p. 332
Chalk-holding device. M. Pederson. No. 1,278,735; Sept. 10; v. 254; p. 405
Chalk-line, Carpenter's. L. B. Preissner. No. 1,274,776; Aug. 6; v. 253; p. 124.
Chalk-line holder. W. G. Phillips. No. 1,275,735; Aug. 13; v. 253; p. 415.
Chalk-line holder and reel. J. S. Wakimoto. No. 1,251,712; Jan. 1; v. 246; p. 81.
Chalk-line holder, Automatic. W. Järviö. No. 1,272,270; July 9; v. 252; p. 459.
Chalk-rimmer. L. Crawford. No. 1,265,059; May 7; v. 250; p. 53.
Chalking-machine. J. H. Hall. No. 1,273,219; July 23; v. 252; p. 776.
Chance device. P. W. Petersen. No. 1,279,583; Sept. 24; v. 254; p. 688.
Chandelier cluster-hook. A. W. Reiser. No. 1,255,639; Feb. 5; v. 247; p. 152.
Chandeliers, Fitting for. H. C. Tulley. No. 1,280,904; Oct. 8; v. 255; p. 245.
Change-delivering device. G. L. Colborn. No. 1,273,742; July 23; v. 252; p. 914.
Change-maker. E. J. Brandt. No. 1,266,098; May 14; v. 250; p. 368.
Change-maker. M. C. Bruhn and G. F. McGill. No. 1,272,372; July 16; v. 252; p. 515.
Change-making machine. J. R. Combs. No. 1,272,224; July 9; v. 252; p. 445.
Change-making machine. B. F. Davis. No. 1,279,285; Sept. 17; v. 254; p. 582.
Change-making machine. F. A. Niemann. No. 1,253,515; Jan. 15; v. 246; p. 667.
Changeable indicator. J. Hutchinson. No. 1,285,715; Nov. 26; v. 256; p. 690.
Changeable indicator. J. Hutchinson. No. 1,285,716; Nov. 26; v. 256; p. 691.
Channel-bars, Apparatus for shaping metal. J. W. Anderson. No. 1,266,545; May 21; v. 250; p. 520.
Channeling and other like machines, Turning device for. H. H. Mercer. No. 1,269,298; June 11; v. 251; p. 364.
Channeling-machine. H. H. Mercer. No. 1,269,295; June 11; v. 251; p. 363.
Channeling-machine. H. H. Mercer. No. 1,269,296; June 11; v. 251; p. 364.
Channeling-machine. H. H. Mercer. No. 1,269,297; June 11; v. 251; p. 364.
Channeling-machines, Roller-guide for. O. Thomas and G. Blackwell. No. 1,261,650; Apr. 2; v. 249; p. 187.
Chart and commodity-cabinet, Combination. J. H. Boye. No. 1,275,655; Aug. 13; v. 253; p. 392.
Chart-drum for recording apparatus. E. G. Jay, Jr. No. 1,272,960; July 16; v. 252; p. 680.
Chart for store-front constructions, Computing-. D. J. Murnane. No. 1,277,634; Sept. 3; v. 254; p. 84.
Chart for the teaching of dancing. M. Rothkugel. No. 1,277,645; Sept. 3; v. 254; p. 88.
Chart for vehicles. G. E. Boyden. (Reissue.) No. 14,438; Mar. 5; v. 248; p. 203.
Chart, Light-distribution. H. D'Olier, Jr. No. 1,268,440; June 4; v. 251; p. 106.
Chart, Light-distribution. H. D. D'Olier, Jr. No. 1,272,021; July 9; v. 252; p. 389.
Chart, Money-. W. A. Burnham. No. 1,260,963; Mar. 26; v. 248; p. 970.
Chase. G. J. Sinnott. No. 1,262,857; Apr. 16; v. 249; p. 585.
Chase-fastening. R. T. Groomes. No. 1,272,659; July 16; v. 252; p. 596.
Check. T. M. Day. No. 1,266,226; May 14; v. 250; p. 404.
Check. J. G. Kemp. No. 1,272,340; July 9; v. 252; p. 479.
Check. A. E. Sumersille. No. 1,282,311; Oct. 22; v. 255; p. 698.
Check and order blank, Combined. H. C. Dunfee. No. 1,284,264; Nov. 12; v. 256; p. 245.
Check and paid-voucher holder, Combined blank-. E. P. Benson. No. 1,271,998; July 9; v. 252; p. 383.
Check and receipt, Universal-service protecting and recording. A. N. E. Boos. No. 1,257,795; Feb. 26; v. 247; p. 897.
Check, Bank-. F. B. Reynolds. No. 1,280,548; Oct. 1; v. 255; p. 121.
Check, Combination-. M. Daly. No. 1,264,777; Apr. 30; v. 249; p. 1169.
Check-controlled apparatus. A. Rydquist. No. 1,252,036; Jan. 1; v. 246; p. 175.
Check-head device. E. H. Snyder. No. 1,272,722; July 16; v. 252; p. 613.
Check-hinge. E. Franckaerts. No. 1,281,774; Oct. 15; v. 255; p. 512.
Check-holder. J. W. Richards. No. 1,263,115; Apr. 16; v. 249; p. 660.
Check holder, Train-. E. L. Klingel. No. 1,265,674; May 7; v. 250; p. 217.
Check-indorsing machine. R. H. Gladwill. No. 1,253,025; Jan. 8; v. 246; p. 494.
Check-link mechanism. H. O. Hem. No. 1,285,163; Nov. 19; v. 256; p. 512.
Check-making machine. J. R. Peirce. No. 1,260,704; Mar. 26; v. 248; p. 900.

Check-marker. C. W. Elrod. No. 1,269,692; June 18; v. 251; p. 504.
Check, Protective. F. McKay. No. 1,288,089; Dec. 17; v. 257; p. 537.
Check-protector. C. W. Beebe. No. 1,252,536; Jan. 8; v. 246; p. 350.
Check-protector. S. M. Brydges. No. 1,255,704; Feb. 5; v. 247; p. 170.
Check-protector. G. W. Clayton and J. Morrison. No. 1,267,744; May 28; v. 250; p. 881.
Check-protector. S. A. Douglass. No. 1,285,073; Nov. 19; v. 256; p. 489.
Check-protector. B. O. Fanslow. No. 1,260,170; Mar. 19; v. 248; p. 708.
Check-protector. A. Haverlock. No. 1,285,154; Nov. 19; v. 256; p. 509.
Check-protector. C. M. Hedman. No. 1,270,517; June 25; v. 251; p. 755.
Check-protector. C. F. Mellor and A. G. Hanson. No. 1,261,587; Apr. 2; v. 249; p. 169.
Check-protector. E. W. Sippel. No. 1,266,872; May 21; v. 250; p. 612.
Check-protector. G. D. Stinson. No. 1,262,401; Apr. 9; v. 249; p. 427.
Check protector, Bank-. W. W. Winton. No. 1,266,368; May 14; v. 250; p. 441.
Check-protector, Miner's. G. M. Powell. No. 1,279,155; Sept. 17; v. 254; p. 547.
Check, Rebound-. J. R. Snyder. No. 1,286,818; Dec. 3; v. 257; p. 150.
Check-register. D. A. Valvano. No. 1,263,966; Apr. 23; v. 249; p. 913.
Check-row wires, Anchor for. S. P. Foster. No. 1,258,102; Mar. 5; v. 248; p. 46.
Check-row wires, Gage-stake for. R. Johnson. No. 1,279,348; Sept. 17; v. 254; p. 601.
Check, Safety-. R. O. Groschupp. No. 1,277,570; Sept. 3; v. 254; p. 65.
Check-sorter. S. D. Page. No. 1,254,930; Jan. 29; v. 246; p. 1125.
Check, Voucher-. A. G. Anderson. No. 1,260,850; Mar. 26; v. 248; p. 940.
Check-wire holder, Adjustable. W. S. Petersen. No. 1,258,360; Mar. 5; v. 248; p. 118.
Checks and other papers, Device for use in assorting. E. T. Linsley. No. 1,264,824; Apr. 30; v. 249; p. 1182.
Checkwriter. M. H. Johanson. No. 1,289,184; Dec. 31; v. 257; p. 854.
Checker-board. C. G. Hall. No. 1,256,999; Feb. 19; v. 247; p. 629.
Checker-board. C. Minoff. No. 1,286,385; Dec. 3; v. 257; p. 49.
Cheese and the product thereof, Process of making soft. J. Nusbaum. No. 1,258,438; Mar. 5; v. 248; p. 143.
Cheese-centering device. W. T. Smith. No. 1,252,189; Jan. 1; v. 246; p. 218.
Cheese-cover. S. L. Karr. No. 1,254,406; Jan. 22; v. 246; p. 941.
Cheese-cutter. W. B. McMillen and W. J. Bassett. No. 1,264,106; Apr. 23; v. 249; p. 950.
Cheese-hoop. H. D. Mixa. No. 1,286,386; Dec. 3; v. 257; p. 49.
Cheese-hoop. R. J. J. Mueller. No. 1,255,629; Feb. 5; v. 247; p. 149.
Cheese-mold. D. S. Crosby. No. 1,261,364; Apr. 2; v. 249; p. 106.
Cheese-mold. D. S. Crosby. No. 1,273,334; July 23; v. 252; p. 806.
Cheese-mold. D. S. Crosby. No. 1,273,335; July 23; v. 252; p. 806.
Cheese or meat press. F. W. and R. Simpson. No. 1,267,920; May 28; v. 250; p. 933.
Cheese-vats, Whey-channel for. T. G. Fisher. No. 1,266,670; May 21; v. 250; p. 557.
Chemical-mixing apparatus. J. R. Milson. No. 1,267,102; May 21; v. 250; p. 677.
Chemical reactions by means of magnetically-spread-out electric arcs, Method and apparatus for carrying out. A. V. Lipinski. No. 1,281,604; Oct. 15; v. 255; p. 467.
Chemical reactions, Effecting. R. F. Steward. No. 1,284,488; Nov. 12; v. 256; p. 303.
Chemical reactions, Process and apparatus for accelerating. W. A. Schmidt. No. 1,252,726; Jan. 8; v. 246; p. 405.
Chemicals, Apparatus for treating. J. D. Sartakoff. No. 1,284,468; Nov. 12; v. 256; p. 299.
Cherry-picker. A. V. Young. No. 1,263,505; Apr. 23; v. 249; p. 788.
Cherry-pitting machine. M. E. Dunkley. No. 1,256,885; Feb. 19; v. 247; p. 595.
Chest: *See*—
Cedar chest. Valve-chest.
Tool-chest.
Chevron-stripes, Die for setting. R. Loeb. No. 1,273,512; July 23; v. 252; p. 854.
Chicken-beheader. A. Carlson. No. 1,271,016; July 2; v. 252; p. 75.
Chicken exerciser and feeder. W. H. Collins. No. 1,253,002; Jan. 8; v. 246; p. 486.
Chicken-house and brooder. J. G. Connor. No. 1,272,226; July 9; v. 252; p. 446.
Child's chair. P. A. Shaver. No. 1,256,936; Feb. 19; v. 247; p. 610.
Chilian mill. C. C. Lane. No. 1,264,532; Apr. 30; v. 249; p. 1103.
Chimney-cap. L. P. Hutton. No. 1,271,166; July 2; v. 252; p. 116.
Chimney-cowl. R. S. Burch. No. 1,258,865; Mar. 12; v. 248; p. 305.
Chimney-cowl. S. O. Delaune. No. 1,261,719; Apr. 2; v. 249; p. 205.
Chimney-cowl. C. W. MacWilliams. No. 1,256,917; Feb. 19; v. 247; p. 604.
Chimney, cowl, or ventilating appliance. F. E. Moss. No. 1,257,916; Feb. 26; v. 247; p. 932.
Chimney-flue cover. C. A. Larson. No. 1,266,497; May 14; v. 250; p. 476.
Chimney-sleeve. G. N. Brooks. No. 1,279,978; Sept. 24; p. 254; p. 801.
China-kiln attachment. D. M. Campana. No. 1,275,383; Aug. 13; v. 253; p. 318.
Chip-rack, cigar-holder, and ash-tray, Combined. A. H. Reckers. No. 1,263,110; Apr. 16; v. 249; p. 658.
Chiropodist's or surgeon's instrument. F. O. Pease. No. 1,255,043; Jan. 29; v. 246; p. 1155.
Chiropractic operating-table. W. G. Williams. No. 1,269,354; June 11; v. 251; p. 380.
Chiropractic use, Portable adjustable adjusting-table for. M. A. Housholder. No. 1,276,655; Aug. 20; v. 253; p. 702.
Chisel-handle. C. J. Roach. No. 1,268,871; June 11; v. 251; p. 245.
Chisel-protector. A. B. Shobar. No. 1,258,481; Mar. 5; v. 248; p. 154.
Chlorhydrins, Making. K. P. McElroy. No. 1,253,616; Jan. 15; v. 246; p. 695.
Chlorhydrins, Manufacture of. K. P. McElroy. No. 1,253,615; Jan. 15; v. 246; p. 695.
Chlorids, Dehydrating. C. W. Balke. No. 1,289,079; Dec. 31; v. 257; p. 827.
Chlorin and sulfate of sodium by catalysis, Producing. H. B. Kipper. No. 1,255,020; Jan. 29; v. 246; p. 1148.
Chlorin detinning process. W. Zacharias. No. 1,283,016; Oct. 29; v. 255; p. 921.
Chlorinating toluene. C. C. Loomis. No. 1,280,612; Oct. 1; v. 255; p. 138.
Chock-block. J. J. Geary. No. 1,282,807; Oct. 29; v. 255; p. 861.
Choke-coil mounting. E. H. Jacobs. No. 1,274,555; Aug. 6; v. 253; p. 61.
Chopper: *See*—
Cotton-chopper.
Cotton and sugar-beet chopper.
Christmas tree and making same, Feather-pine. P. N. Hoffman. No. 1,253,035; Jan. 8; v. 246; p. 497.
Christmas tree, Artificial. C. G. Miller. No. 1,252,922; Jan. 8; v. 246; p. 460.
Christmas-tree holder. J. G. Lyons. No. 1,273,639; July 23; v. 252; p. 889.
Christmas-tree holder. L. Norman. No. 1,255,557; Feb. 5; v. 247; p. 129.
Chuck. E. C. Bowers. No. 1,264,363; Apr. 30; v. 249; p. 1055.
Chuck. F. E. Bright. No. 1,256,104; Feb. 12; v. 247; p. 328.
Chuck. R. S. Brown. No. 1,272,614; July 16; v. 252; p. 582.
Chuck. J. L. Butler. No. 1,285,928; Nov. 26; v. 256; p. 744.
Chuck. A. M. Campbell. No. 1,264,892; May 7; v. 250; p. 6.
Chuck. G. M. J. Chevoir. No. 1,280,396; Oct. 1; v. 255; p. 78.
Chuck. J. C. Dufresne. No. 1,252,253; Jan. 1; v. 246; p. 235.
Chuck. F. V. Folland. No. 1,282,061; Oct. 22; v. 255; p. 629.
Chuck. H. F. Foster. No. 1,281,773; Oct. 15; v. 255; p. 512.
Chuck. W. H. Griffith. No. 1,263,058; Apr. 16; v. 249; p. 642.
Chuck. G. Harling. No. 1,269,434; June 11; v. 251; p. 400.
Chuck. C. F. Heinkel. No. 1,283,173; Oct. 29; v. 255; p. 961.
Chuck. F. Hottinger. No. 1,263,894; Apr. 23; v. 249; p. 893.
Chuck. C. J. Letzing. No. 1,263,081; Apr. 16; v. 249; p. 650.
Chuck. W. K. Millholland. No. 1,263,270; Apr. 16; v. 249; p. 700.
Chuck. A. P. Morrow. No. 1,251,558; Jan. 1; v. 246; p. 34.
Chuck. W. F. Reinlie. No. 1,254,071; Jan. 22; v. 246; p. 845.
Chuck. J. H. Rusby. No. 1,270,443; June 25; v. 251; p. 734.
Chuck. J. H. Rusby. No. 1,270,444; June 25; v. 251; p. 734.
Chuck. J. Sharp. No. 1,273,546; July 23; v. 252; p. 863.
Chuck. E. Smith. No. 1,258,714; Mar. 12; v. 248; p. 261.

Chuck. D. Wier. No. 1,288,324; Dec. 17; v. 257; p. 593.
Chuck. J. Wilson. No. 1,285,866; Nov. 26; v. 256; p. 729.
Chuck. C. F. Woodford and O. S. Rockwell. No. 1,269,991; June 18; v. 251; p. 585.
Chuck and drill extractor, Combined. G. H. Gilman. No. 1,275,164; Aug. 6; v. 253; p. 232.
Chuck, Bit-. H. E. Parker. No. 1,270,754; June 25; v. 251; p. 817.
Chuck, Centering and squaring. T. R. Hellgren. No. 1,268,458; June 4; v. 251; p. 111.
Chuck-closer. A. F. Robbins. No. 1,272,109; July 9; v. 252; p. 414.
Chuck, Cutter-. M. Reisner. No. 1,274,598; Aug. 6; v. 253; p. 74.
Chuck, Brace-bit. R. H. Greenhalgh. No. 1,256,475; Feb. 12; v. 247; p. 438.
Chuck, Drill-. N. G. Berglund. No. 1,265,707; May 7; v. 250; p. 226.
Chuck, Drill-. F. E. Bocorselski. No. 1,278,427; Sept. 10; v. 254; p. 321.
Chuck, Drill-. J. Hart. No. 1,253,240; Jan. 15; v. 246; p. 585.
Chuck, Drill-. C. A. Palmgren. No. 1,288,154; Dec. 7; v. 257; p. 554.
Chuck for holding file-blanks. G. L. Rogers. No. 1,277,128; Aug. 27; v. 253; p. 866.
Chuck for machine-tools. J. M. Cline. No. 1,274,685; Aug. 6; v. 253; p. 99.
Chuck-jaw, Reversible. W. J. Miller. No. 1,261,265; Apr. 2; v. 249; p. 77.
Chuck, Lathe-. C. J. Fisher. No. 1,253,224; Jan. 15; v. 246; p. 580.
Chuck, Lathe-. C. F. Woodford and O. S. Rockwell. No. 1,268,198; June 4; v. 251; p. 36.
Chuck, Magnetic. F. L. Simmons. No. 1,254,736; Jan. 29; v. 246; p. 1066.
Chuck-operating mechanism. J. P. Brophy. No. 1,261,757; Apr. 9; v. 249; p. 249.
Chuck, Power-actuated. O. Kylin. No. 1,288,051; Dec. 17; v. 257; p. 528.
Chuck, Quick-acting. W. C. Stevens. No. 1,256,841; Feb. 19; v. 247; p. 581.
Chuck-supporting mechanism. W. Arter. No. 1,264,471; Apr. 30; v. 249; p. 1087.
Chucks, Forming magnetic. L. W. Downes and R. C. Patton. No. 1,254,664; Jan. 29; v. 246; p. 1043.
Chucking device. F. C. Busch. No. 1,265,606; May 7; v. 250; p. 199.
Churn. O. I. Hensrud. No. 1,264,071; Apr. 23; v. 249; p. 941.
Churn. J. E. Keith. No. 1,271,581; July 9; v. 252; p. 265.
Churn. J. King. No. 1,268,728; June 4; v. 251; p. 186.
Churn. L. M. Payne, R. A. Thompson, and L. P. Morris. No. 1,268,766; June 4; v. 251; p. 197.
Churn and butter-worker, Combined. R. B. Disbrow. No. 1,274,393; Aug. 6; v. 253; p. 14.
Churn and butter-worker, Combined. A. B. McLaughlin and W. R. Nicoll. No. 1,263,332; Apr. 16; v. 249; p. 717.
Churn attachment. J. G. McKelvey. No. 1,262,366; Apr. 9; v. 249; p. 417.
Churn, Dash-. J. M. Fleming. No. 1,265,187; May 7; v. 250; p. 88.
Churn-dasher. T. C. Davis. No. 1,258,095; Mar. 5; v. 248; p. 43.
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Churn-dasher. S. S. Lilley. No. 1,258,025; Mar. 5; v. 248; p. 23.
Churn, Domestic. C. W. Ebeling. No. 1,274,021; July 30; v. 252; p. 1031.
Churn-filling apparatus. C. C. Thoen. No. 1,289,302; Dec. 31; v. 257; p. 884.
Churn-lid clamp. M. F. Chandler. No. 1,279,513; Sept. 24; v. 254; p. 668.
Churn-operating mechanism. M. E. Purdy. No. 1,268,611; June 4; v. 251; p. 155.
Churns, Operating mechanism for. J. J. Lutkiewicz. No. 1,279,890; Sept. 24; v. 254; p. 777.
Chute. H. B. Brockenbrough. No. 1,260,309; Mar. 26; v. 248; p. 783.
Chute. R. B. Graham. No. 1,261,805; Apr. 9; v. 249; p. 263.
Chute. M. D. Gross. No. 1,259,227; Mar. 12; v. 248; p. 407.
Chute, Coal-. G. N. Gray and J. J. McNulty. No. 1,254,625; Jan. 22; v. 246; p. 1004.
Chute, Coin-delivery. E. J. Brandt. No. 1,266,099; May 14; v. 250; p. 369.
Chute, Conveyer-. T. Brown. No. 1,256,515; Feb. 19; v. 247; p. 487.
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Chute, Logging-. V. Erickson. No. 1,281,919; Oct. 15; v. 155; p. 552.
Chute, Movable. E. P. Bernheim. No. 1,267,839; May 28; v. 250; p. 910.
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Cigar and cheroot machines, Pasting mechanism for. J. E. Norquest. No. 1,252,934; Jan. 8; v. 246; p. 464.
Cigar and cheroot trimming mechanism. J. E. Norquest. No. 1,252,933; Jan. 8; v. 246; p. 464.
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Cigar and cigarette holder. W. C. Greene and L. E. Shaw. No. 1,271,159; July 2; v. 252; p. 114.
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Cigar and cigarette lighter. W. S. Marr. No. 1,265,695; May 7; v. 250; p. 222.
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Cigar-band. G. J. Nagel. No. 1,254,151; Jan. 22; v. 246; p. 869.
Cigar-banding machine. F. X. Malocsay. No. 1,261,832; Apr. 9; v. 249; p. 271.
Cigar-banding machine. F. X. Malocsay. No. 1,261,833; Apr. 9; v. 249; p. 272.
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Cigar-bunching machine. C. F. Bremer. No. 1,258,311; Mar. 5; v. 248; p. 105.
Cigar-bunching machine. L. R. Gindrat. No. 1,281,344; Oct. 15; v. 255; p. 398.
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Cigar holder and piercer, Combined. F. D. White. No. 1,263,977; Apr. 23; v. 249; p. 916.
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Cigar-maker's table. B. Liberman. No. 1,271,332; July 2; v. 252; p. 163.
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Cigar-perforator. V. A. Benson. No. 1,284,566; Nov. 12; v. 256; p. 322.
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Cigar-protector. V. Gherekjian. No. 1,266,553; May 21; v. 250; p. 522.
Cigar-protector and ash-retainer. B. W. Dedrick. No. 1,273,153; July 23; v. 252; p. 759.
Cigar-rolling machine. H. R. Oney and L. V. Ransom. No. 1,280,528; Oct. 1; v. 255; p. 115.
Cigar tuck-cutter and perforator. H. N. Shriver. No. 1,252,044; Jan. 1; v. 246; p. 177.
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Cigar-wrapping mechanism. G. Anderson. No. 1,267,734; May 28; v. 250; p. 879.
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Cigarette. F. Courtinade. No. 1,257,815; Feb. 26; v. 247; p. 903.
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Cigarette-mouthpiece. N. S. Themelis. No. 1,288,287; Dec. 17; v. 257; p. 585.
Cigarette or cigar holder. N. M. Boyajian. No. 1,254,307; Jan. 22; v. 246; p. 913.
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Cigarette-package holder and ash-tray. A. De Montluzin and A. G. Lynn. No. 1,255,989; Feb. 12; v. 247; p. 295.
Cigarette-packing machine. E. Jagenberg. No. 1,258,775; Mar. 12; v. 248; p. 279.
Cigarette-paper books, Machine for making. G. W. Utsman. No. 1,265,835; May 14; v. 250; p. 295.
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Cigarette-paper, Machine for applying cork, metal foil, or the like at intervals to strips of. E. C. Mühlbauer. No. 1,259,548; Mar. 19; v. 248; p. 532.
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Cigarette-wrappers, Machine for making and packing. B. E. Byrd. No. 1,274,510; Aug. 6; v. 253; p. 48.
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Cigarettes, Making mouthpieces for. M. Krümmling. No. 1,282,014; Oct. 15; v. 255; p. 575.
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Cinematograph or motion-picture film. A. S. Howell. No. 1,267,411; May 28; v. 250; p. 789.
Cinematograph-projector shutter. W. Vidler. No. 1,287,146; Dec. 10; v. 257; p. 272.
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Cinematographic films, Apparatus for printing. P. D. Brewster. No. 1,267,844; May 28; v. 250; p. 912.
Cinematographic films, Splicing apparatus for. A. S. Howell. No. 1,275,431; Aug. 13; v. 253; p. 331.
Cinematographic-picture composition. N. Dawn. No. 1,269,061; June 11; v. 251; p. 298.
Cinematographic-projection screen. F. Butterworth. No. 1,251,961; Jan. 1; v. 246; p. 153.
Cinematography. D. F. Comstock. No. 1,252,321; Jan. 1; v. 246; p. 253.
Cinematography, Color. P. D. Brewster. No. 1,253,136; Jan. 8; v. 246; p. 526.
Cinematography, Color. P. D. Brewster. No. 1,253,137; Jan. 8; v. 246; p. 527.
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Circuit, Automatic contact-making device for an electric. R. C. Harris. No. 1,283,748; Nov. 5; v. 256; p. 81.
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Circuit-breaker. R. Wolfsberg and S. C. Smith. No. 1,253,761; Jan. 15; v. 246; p. 737.
Circuit-breaker and alarm-switch, Combined. G. B. Nixon and H. L. Morris. No. 1,280,522; Oct. 1; v. 255; p. 113.
Circuit-breaker and distributer unit. W. O. Kennington. No. 1,265,918; May 14; v. 250; p. 318.
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Circuit-breaker, Automatically-reclosing. E. C. Raney. No. 1,273,786; July 23; v. 252; p. 926.
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Circuit-breaker, Overload. C. T. Evans. No. 1,271,875; July 9; v. 252; p. 345.
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Circuit-changing switch, Automatic. A. H. Adams and L. Polinkowsky. No. 1,254,642; Jan. 29; v. 246; p. 1037.
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Circuit-closer, Thermostatic. T. B. Freas. No. 1,286,576; Dec. 3; v. 257; p. 96.
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Circuit-controller. T. E. Barnum. No. 1,265,727; May 14; v. 250; p. 263.
Circuit-controller. M. Drane. No. 1,275,541; Aug. 13; v. 253; p. 360.
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Circuit-controller. L. V. Lewis. No. 1,272,972; July 16; v. 252; p. 684.
Circuit-controller. W. C. Reed. No. 1,267,454; May 28; v. 250; p. 800.
Circuit-controller. W. C. Reed. No. 1,272,317; July 9; v. 252; p. 473.
Circuit-controller. A. Simon. No. 1,284,937; Nov. 12; v. 256; p. 416.
Circuit-controller. H. A. Steen. No. 1,279,780; Sept. 24; v. 254; p. 745.
Circuit-controller. P. H. Zimmer. No. 1,266,897; May 21; v. 250; p. 619.
Circuit-controller and indication means for electric interlocking and traffic-controlling systems, Combined safety. W. H. Reichard. No. 1,289,263; Dec. 31; v. 257; p. 874.
Circuit-controller, Electromagnetic. A. A. Ziegler. No. 1,271,255; July 2; v. 252; p. 142.
Circuit-controller, Pressure or float operated. A. R. Mead. No. 1,277,625; Sept. 3; v. 254; p. 81.
Circuit-controller, Thermostatic. C. R. Burlew. No. 1,252,393; Jan. 8; v. 246; p. 308.
Circuit-controller, Time. J. W. Bryce. No. 1,279,647; Sept. 24; v. 254; p. 706.
Circuit-controlling apparatus. H. Faltermayer. No. 1,269,269; June 11; v. 251; p. 357.
Circuit-controlling device. J. S. Holliday. No. 1,272,445; July 16; v. 252; p. 534.
Circuit-controlling device. C. Redfield. No. 1,273,092; July 16; v. 252; p. 716.
Circuit-controlling device, Thermostatic. J. H. Derby and E. S. Clayton. No. 1,274,248; July 30; v. 252; p. 1095.
Circuit-controlling means, Time-operated. A. J. Allard. No. 1,252,874; Jan. 8; v. 246; p. 446.
Circuit-coupling. H. A. Douglas. No. 1,256,665; Feb. 19; v. 247; p. 530.
Circuit-interrupter. W. A. Atwood. No. 1,261,677; Apr. 2; v. 249; p. 195.
Circuit-interrupter. F. Fix. No. 1,274,701; Aug. 6; v. 253; p. 103.
Circuit-interrupter. R. E. Hellmund. No. 1,270,822; July 2; v. 252; p. 19.
Circuit-interrupter. H. D. James. No. 1,258,010; Mar. 5; v. 248; p. 18.
Circuit-interrupter. J. N. Mahoney and H. G. MacDonald. No. 1,278,966; Sept. 17; v. 254; p. 498.
Circuit-interrupter. J. N. Mahoney and W. M. Austin. No. 1,278,967; Sept. 17; v. 254; p. 498.
Circuit-interrupter. J. N. McMahoney. No. 1,274,733; Aug. 6; v. 253; p. 112.
Circuit-interrupter. K. C. Randall. No. 1,264,333; Apr. 30; v. 249; p. 1046.
Circuit-interrupter. K. C. Randall and H. G. MacDonald. No. 1,286,101; Nov. 26; v. 256; p. 786.
Circuit-interrupting apparatus. H. A. Steen. No. 1,279,781; Sept. 24; v. 254; p. 746.
Circuit-interrupting device. A. E. Lundell. No. 1,272,279; July 9; v. 252; p. 461.
Circuit-interrupting system. L. W. Chubb. No. 1,270,785; July 2; v. 252; p. 8.
Circuit-interrupting system. L. W. Chubb. No. 1,287,231; Dec. 10; v. 257; p. 294.
Circuit-interrupting system. L. W. Chubb. No. 1,287,232; Dec. 10; v. 257; p. 294.
Circuit-interrupting system. L. W. Chubb. No. 1,287,233; Dec. 10; v. 257; p. 294.
Circuit-make-and-break device. W. D. Appel. No. 1,255,846; Feb. 12; v. 247; p. 252.
Circuit maker and breaker. C. Rasmussen. No. 1,276,110; Aug. 20; v. 253; p. 551.
Circuit, Method of and apparatus for controlling a. P. R. Werner. No. 1,262,150; Apr. 9; v. 249; p. 357.
Circuit-opening device. E. O. Schweitzer and A. Herz. No. 1,263,610; Apr. 23; v. 249; p. 815.
Circuit, Protective. H. E. Shreeve. No. 1,252,502; Jan. 8; v. 246; p. 341.
Circuit-protective device. W. D. Pyle. No. 1,272,090; July 9; v. 252; p. 409.
Circuit, Thermostatically-controlled. J. F. McElroy. No. 1,270,851; July 2; v. 252; p. 27.
Circuits, Automatic timing device for closed. E. H. Plaisted and A. O. Black. No. 1,267,690; May 28; v. 250; p. 867.
Circuits, Duplex balancing-. T. Shaw. No. 1,288,709; Dec. 24; v. 257; p. 715.
Circuits, Listening-key. A. E. Lundell and F. A. Stearn. No. 1,260,413; Mar. 26; v. 248; p. 813.
Circuits, Means for locating faults on alternating-current. K. H. Bausman. No. 1,255,853; Feb. 12; v. 247; p. 254.
Circuits, Two-way-repeater. M. M. Dolmage. No. 1,272,022; July 9; v. 252; p. 389.
Circulation control. N. M. La Porte. No. 1,253,695; Jan. 15; v. 246; p. 719.
Cistern-cleaner. L. F. Davis. No. 1,265,434; May 7; v. 250; p. 155.
Cistern-cleaner. E. M. Mangold. No. 1,269,105; June 11; v. 251; p. 310.
Clamp: *See*—
Adjustable clamp.
Bedclothes-clamp.
Bench-clamp.
Boltless guy-clamp.
Cable-clamp.
Car-replacer clamp.
Carpenter's clamp.
Cement-form tie-clamp.
Churn-lid clamp.
Cloth-holding clamp.
Clothes-wringer clamp.
Collar-adjusting clamp.
Column-clamp.
Column-mold clamp.
Concrete-form clamp.
Curtain-stretcher angle-clamp.
Dental multiple-jaw cervix-clamp.
Duplex clamp.
Electric-wire clamp.
Fence-clamp.
Fence-stretcher clamp.
Fence-wire clamp.
Flask-clamp.
Flooring and sheathing clamp.
Fluid attachment clamp.
Furniture-clamp.
Garment-cutter's clamp.
Gluing-clamp.
Ground-clamp.
Guy-clamp.
Guy-strand clamp.
Hat-clamp.
Horseshoe-clamp.
Hose-clamp.
Insulator-clamp.
Insulator and guy-clamp.
Jar-cover clamp.
Lever-clamp.
Linotype-clamp.
Machine-clamp.
Meat-clamp.
Metal clamp.
Ornament-carrying ear-clamp.
Paper-cutter clamp.
Pipe-clamp.
Pistol-clamp.
Planking-clamp.
Plate-clamp.
Plate-lifting clamp.
Rail-clamp.
Rail-frog clamp.
Rail-joint clamp.
Railway-clamp.
Rod-clamp.
Rod-splicing clamp.
Rope-clamp.
Saw-filing clamp.
Sewing-machine needle-clamp.
Shoe-clamp.
Skate-clamp.
Slicing-machine clamp.
Strap-locking clamp.
Surgical clamp.
Suspension-clamp.
Table-leg clamp.
Tile-clamp.
Tire-chain clamp.
Tool-maker's clamp.
Tooth-clamp.
Track-clamp.
Tube-clamp.
Valve-rod clamp.
Vise-clamp.
Wire-clamp.
Wire-rope clamp.
Work-clamp.
Work-holding clamp.
Clamp. W. W. Atwood. No. 1,281,480; Oct. 15; v. 255; p. 435.
Clamp. J. B. Aufuldish. No. 1,265,287; May 7; v. 250; p. 114.
Clamp. L. L. Blake. No. 1,262,300; Apr. 9; v. 249; p. 398.
Clamp. I. Cooper. No. 1,252,323; Jan. 1; v. 246; p. 254.
Clamp. I. Cooper. No. 1,278,598; Sept. 10; v. 254; p. 368.
Clamp. I. Cooper and O. F. Presbrey. No. 1,274,688; Aug. 6; v. 253; p. 100.
Clamp. I. Cooper and O. F. Presbrey. No. 1,274,689; Aug. 6; v. 253; p. 100.
Clamp. E. W. Cummins. No. 1,256,208; Feb. 12; v. 247; p. 361.
Clamp. C. A. Dies. No. 1,260,345; Mar. 26; v. 248; p. 794.
Clamp. T. E. Drohan. No. 1,279,297; Sept. 17; v. 254; p. 586.
Clamp. J. Hawk. No. 1,262,489; Apr. 9; v. 249; p. 451.
Clamp. A. J. Herold. No. 1,272,259; July 9; v. 252; p. 456.
Clamp. C. W. and J. T. Kemper. No. 1,271,912; July 9; v. 252; p. 356.
Clamp. C. Kitching. No. 1,280,239; Oct. 1; v. 255; p. 35.
Clamp. J. V. Lisy. No. 1,275,452; Aug. 13; v. 253; p. 336.
Clamp. F. W. Rees. No. 1,276,692; Aug. 20; v. 253; p. 712.
Clamp. H. L. Scott. No. 1,255,936; Feb. 12; v. 247; p. 278.
Clamp. H. L. Scott. No. 1,282,643; Oct. 22; v. 255; p. 788.
Clamp. C. T. Silberg. No. 1,267,918; May 28; v. 250; p. 932.
Clamp. W. H. Sommer. No. 1,265,397; May 7; v. 250; p. 144.
Clamp. H. V. Steuernagel. No. 1,257,040; Feb. 19; v. 247; p. 641.
Clamp. A. J. Thomson. No. 1,263,822; Apr. 23; v. 249; p. 872.
Clamp and wrench, Combined. P. Bochenek. No. 1,282,532; Oct. 22; v. 255; p. 758.
Clamp-nail. J. C. Zimmermann. No. 1,258,732; Mar. 12; v. 248; p. 266.
Clamping-bolt. E. E. Dunham. No. 1,269,912; June 18; v. 251; p. 565.
Clamping device. B. F. Berry. No. 1,279,972; Sept. 24; v. 254; p. 800.
Clamping device. C. E. Clews. No. 1,273,741; July 23; v. 252; p. 914.
Clamping device. C. R. Conner. No. 1,258,536; Mar. 5; v. 248; p. 171.
Clamping device. L. R. Evans. No. 1,259,219; Mar. 12; v. 248; p. 406.
Clamping device. C. W. Hunter. No. 1,285,569; Nov. 19; v. 256; p. 614.

Clamping device. F. Myers. No. 1,276,560; Aug. 20; v. 253; p. 675.
Clamping device. J. W. Oliver. No. 1,283,876; Nov. 5; v. 256; p. 116.
Clamping device. E. Parradee. No. 1,273,658; July 23; v. 252; p. 894.
Clamping device. O. S. Proctor. No. 1,288,986; Dec. 24; v. 257; p. 781.
Clamping device, Air-operated. M. R. Hansen and A. C. Houser. No. 1,274,036; July 30; v. 252; p. 1035.
Clamping-machine. O. Bergstrom. No. 1,273,136; July 23; v. 252; p. 754.
Clamping mechanism. H. W. Roos. No. 1,268,880; June 11; v. 251; p. 247.
Clamping-ring for pipe-couplings and making same. J. Clark. No. 1,287,884; Dec. 17; v. 257; p. 486.
Clamping-sleeves, Producing. H. D. Forslund. No. 1,256,672; Feb. 19; v. 247; p. 532.
Clamping-tool. W. Trippe. No. 1,265,141; May 7; v. 250; p. 75.
Clarifier. O. E. Szekely. No. 1,267,606; May 28; v. 250; p. 844.
Clasp: *See*—
Bag-clasp.
Bag-frame clasp.
Bracelet safety-clasp.
Button-clasp.
Collar-clasp.
Corset-clasp.
Cup-clasp.
Envelop-clasp.
Garment-clasp.
Hair-clasp.
Hose-pipe clasp.
Hose-supporter clasp.
Lingerie-clasp.
Necklace-clasp.
Tie-clasp.
Tool-holding clasp.
Clasp. F. A. Ballou. No. 1,287,826; Dec. 17; v. 257; p. 472.
Clasp. A. Giardino. No. 1,274,160; July 30; v. 252; p. 1070.
Clasp. W. Hamann. No. 1,267,765; May 28; v. 250; p. 888.
Clasp. T. R. Kilkenny. (Reissue.) No. 14,437; Feb. 26; v. 247; p. 945.
Clasp. H. J. Nordseth. No. 1,260,434; Mar. 26; v. 248; p. 820.
Clasp. R. S. Sanderson. No. 1,287,764; Dec. 17; v. 257; p. 456.
Clasp. H. Thinggaard. No. 1,281,880; Oct. 15; v. 255; p. 542.
Clasp. A. L. Vilandrer. No. 1,271,963; July 9; v. 252; p. 371.
Clasp-brake mechanism. C. H. Williams. No. 1,255,372; Feb. 5; v. 247; p. 75.
Clasp for straps or ribbons. R. King. No. 1,272,675; July 16; v. 252; p. 600.
Clasp-pin. A. L. Sawyer. No. 1,258,258; Mar. 5; v. 248; p. 90.
Classifier. A. L. Blomfield. No. 1,260,135; Mar. 19; v. 248; p. 699.
Classifier. W. A. Brunker. No. 1,265,734; May 14; v. 250; p. 265.
Classifier and separator. C. Allen. No. 1,259,709; Mar. 19; v. 248; p. 576.
Clay, Hydrating. J. S. Laird. No. 1,275,705; Aug. 13; v. 253; p. 406.
Clay-pot-finishing machine. C. W. Montague. No. 1,275,187; Aug. 6; v. 253; p. 240.
Clay products, Drying-board for. W. K. Brownlee. No. 1,262,010; Apr. 9; v. 249; p. 318.
Clean-out. F. Schuh. No. 1,275,768; Aug. 13; v. 253; p. 424.
Cleaner: *See*—
Air-cleaner.
Bag-cleaner.
Bean-cleaner.
Blackboard-cleaner.
Boiler-cleaner.
Boiler-tube cleaner.
Bottle-cleaner.
Bull-screen cleaner.
Carpet-cleaner.
Cistern-cleaner.
Comb-cleaner.
Cotton-cleaner.
Cuff-clasp.
Dish-cleaner.
Ditch-cleaner.
Drain-pipe cleaner.
Eye-cleaner.
Eyeglass-cleaner.
Floor-cleaner.
Flue-cleaner.
Fruit-cleaner.
Gas-cleaner.
Grain-cleaner.
Grain-drill cleaner.
Gun-cleaner.
Harrow-tooth cleaner.
Hemp-cleaner.
Knife-cleaner.
Lamp-chimney cleaner.
Paper-cleaner.
Pile-cleaner.
Pipe-cleaner.
Rake-cleaner.
Sewer-cleaner.
Spark-plug cleaner.
Spinning-machine cleaner.
Steel-tape cleaner.
Stock-cleaner.
Street-cleaner.
Suction-cleaner.
Tooth and mouth cleaner.
Vacuum-cleaner.
Vehicle-cleaner.
Well-cleaner.
Wind-shield cleaner.
Window-cleaner.
Cleaning apparatus. G. H. Lewis. No. 1,288,064; Dec. 17; v. 257; p. 531.
Cleaning apparatus. Nut-meat-. H. L. Cole and F. S. Bishop. No. 1,279,844; Sept. 24; v. 254; p. 763.
Cleaning composition. E. C. Bilton. No. 1,270,105; June 18; v. 251; p. 615.
Cleaning compound. C. G. Reed. No. 1,266,713; May 21; v. 250; p. 568.
Cleaning device. C. A. Bridgwood. No. 1,274,983; Aug. 6; v. 253; p. 182.
Cleaning device. J. W. Greenbowe. No. 1,268,343; June 4; v. 251; p. 78.
Cleaning device. C. A. Maher. No. 1,270,536; June 25; v. 251; p. 760.
Cleaning device. C. L. Saunders. No. 1,270,216; June 18; v. 251; p. 645.
Cleaning device. A. H. Smith. No. 1,258,822; Mar. 12; v. 248; p. 293.
Cleaning device, Mechanical. F. E. Freel and E. C. Smith. No. 1,263,545; Apr. 23; v. 249; p. 799.
Cleaning-machine. A. A. Long. No. 1,252,127; Jan. 1; v. 246; p. 201.
Cleaning-machine. J. L. Lund. No. 1,273,077; July 16; v. 252; p. 712.
Cleaning-machine. P. J. Shampay. No. 1,256,173; Feb. 12; v. 247; p. 350.
Cleaning-machine. P. J. Shampay. No. 1,281,425; Oct. 15; v. 255; p. 420.
Cleaning-machine. H. M. Richardson. No. 1,267,905; May 28; v. 250; p. 928.
Cleaning outfit, Combination. R. C. Miller. No. 1,255,772; Feb. 5; v. 247; p. 191.
Cleansing compound. P. A. Harris and N. Mynders. No. 1,264,644; Apr. 30; v. 249; p. 1135.
Cleat. W. Gadke. No. 1,257,695; Feb. 26; v. 247; p. 867.
Cleat. H. A. Hansson. No. 1,276,354; Aug. 20; v. 253; p. 619.
Cleat, Batten-. L. D. Lovekin and A. D. Smith. No. 1,288,945; Dec. 24; v. 257; p. 771.
Cleat, Batten-. A. D. Smith and L. D. Lovekin. No. 1,288,717; Dec. 24; v. 257; p. 717.
Cleat for chain conveyers. J. H. Clark. No. 1,262,174; Apr. 9; v. 249; p. 364.
Clevis. A. O. Buckius, Jr. No. 1,287,869; Dec. 17; v. 257; p. 482.
Clevis. B. Talkington. No. 1,267,477; May 28; v. 250; p. 807.
Clevis. J. Zukiwski. No. 1,261,889; Apr. 9; v. 249; p. 285.
Clevis, Hook-and-eye. M. F. Hipsher. No. 1,253,971; Jan. 15; v. 246; p. 796.
Clinker-bar. H. G. Watson. No. 1,278,405; Sept. 10; v. 254; p. 316.
Clinometer. C. D'Ascanio. No. 1,261,776; Apr. 9; v. 249; p. 255.
Clinometer. A. R. Miller. No. 1,277,102; Aug. 27; v. 253; p. 858.
Clinometer, Universal. F. Mladinich. No. 1,258,597; Mar. 5; v. 248; p. 189.
Clip: *See*—
Binder-clip.
Bread-pan clip.
Cartridge-clip.
Clothes-clip.
Fountain-pen clip.
Framing-clip.
Haulage-clip.
Holding-clip.
Index-clip.
Knife-clip.
Paper-clip.
Pen-clip.
Pen or pencil clip.
Pencil-clip.
Pencil and pen clip.
Pencil and the like clip.
Pencil-sharpener clip.
Photographic-film-identification clip.
Plaster-board clip.
Rail-clip.
Rod-clip.
Rod, rope, and cable clip.
Rope-clip.
Rope-end clip.
Self-locking clip.
Shoe-lace clip.
Spring-clip.
Spring terminal clip.
Stirrup-strap clip.
Tenter-clip.
Ticket or hat clip.
Tie-clip.
Clip. N. E. Clark. No. 1,252,781; Jan. 8; v. 246; p. 422.
Clip. J. J. Hamilton. No. 1,263,887; Apr. 23; v. 249; p. 891.
Clip. J. Sachs. No. 1,267,457; May 28; v. 250; p. 801.
Clip-connected relatively movable elements, Article comprising. O. R. Hunt. No. 1,262,196; Apr. 9; v. 249; p. 370.
Clip-connected relatively movable elements, Article comprising. O. R. Hunt. No. 1,283,194; Oct. 29; v. 255; p. 966.
Clip-loading machine. J. H. Wesson. No. 1,267,026; May 21; v. 250; p. 656.
Clips on folders, Method and machine for securing. H. Weber. No. 1,259,690; Mar. 19; v. 248; p. 570.
Cloche useful for horticultural and agricultural purposes. C. H. Allender. No. 1,272,760; July 16; v. 252; p. 624.
Clock. J. J. Busenbenz. No. 1,256,872; Feb. 19; v. 247; p. 591.
Clock. J. F. Dunn. No. 1,270,706; June 25; v. 251; p. 804.
Clock, Alarm-. M. D. Case. No. 1,264,897; May 7; v. 250; p. 7.
Clock, Alarm-. F. S. Denison. No. 1,254,212; Jan. 22; v. 246; p. 885.
Clock, Alarm-. G. L. Willets. No. 1,264,467; Apr. 30; v. 249; p. 1086.
Clock, Alarm-. A. A. Woelfel. No. 1,254,956; Jan. 29; v. 246; p. 1132.
Clock and electric switch, Combined. R. McKnight and J. W. Berry. No. 1,289,502; Dec. 31; v. 257; p. 934.
Clock attachment. T. Schisgall. No. 1,267,807; May 28; v. 250; p. 900.

Clock, Call-bell. J. V. Williford. No. 1,268,656; June 4; v. 251; p. 167.
Clock, Electric. E. H. Messiter. No. 1,255,905; Feb. 12; v. 247; p. 269.
Clock, Electric. T. Rushton. No. 1,275,606; Aug. 13; v. 253; p. 378.
Clock-hammer. W. J. Smith. No. 1,266,875; May 21; v. 250; p. 612.
Clock, Mantel chime-. W. E. Porter. No. 1,252,170; Jan. 1; v. 246; p. 213.
Clock mechanism. A. J. Thereault. No. 1,275,791; Aug. 13; v. 253; p. 436.
Clock mechanism, Secondary-. C. M. Crook. No. 1,280,171; Oct. 1; v. 255; p. 15.
Clock movement, Secondary-. A. L. Hahl. No. 1,271,704; July 9; v. 252; p. 300.
Clock, Non-warning chime-. W. E. Porter. No. 1,257,024; Feb. 19; v. 247; p. 637.
Clock, Secondary. L. O. Beard. No. 1,285,905; Nov. 26; v. 256; p. 739.
Clock-speed regulator and recorder, Combined. C. T. Cook. No. 1,264,277; Apr. 30; v. 249; p. 1031.
Clock striking mechanism. M. Dowlin. No. 1,252,100; Jan. 1; v. 246; p. 194.
Clock striking mechanism. J. Lapone. No. 1,264,817; Apr. 30; v. 249; p. 1180.
Clock system, Electric-. H. E. Warren. No. 1,283,431; Oct. 29; v 255; p. 1028.
Clock, Time-. T. C. Prouty. No. 1,259,282; Mar. 12; v. 248; p. 422.
Clock, Time-. T. C. Prouty. No. 1,259,283; Mar. 12; v. 248; p. 422.
Clock, Watchman's. F. Hardinge. No. 1,267,406; May 28; v. 250; p. 787.
Clock, Watchman's. C. M. Peabody. No. 1,266,620; May 21; v. 250; p. 542.
Clocks, Actuating means for watchmen's. E. C. Healy. No. 1,257,227; Feb. 19; v. 247; p. 694.
Clocks, Detenting mechanism for. A. L. Hahl. No. 1,258,768; Mar. 12; v. 248; p. 277.
Clocks, Rod-gong for striking-. J. I. Roberge. No. 1,269,511; June 11; v. 251; p. 421.
Clocks, Stop-motion for. C. R. Swift. No. 1,289,955; Dec. 31; v. 257; p. 1045.
Clod-crusher. T. J. Weems. No. 1,261,876; Apr. 9; v. 249; p. 282.
Closet: *See*—
Dry closet.
Incinerator-closet.
Sanitary closet.
Sanitary chemical-closet.
Water-closet.
Closet. A. McGary and J. P. Sunderland. No. 1,272,483. July 16; v. 252; p. 544.
Closet. A. McGary and J. P. Sunderland. No. 1,276,784; Aug. 27; v. 253; p. 773.
Closet. A. McGary and J. P. Sunderland. No. 1,277,232; Aug. 27; v. 253; p. 892.
Closet attachment. E. E. Duff. No. 1,257,331; Feb. 26; v. 247; p. 760.
Closet attachment. J. F. Holmes. No. 1,256,320; Feb. 12; v. 247; p. 393.
Closet-bowl. C. B. Freck. No. 1,271,026; July 2; v. 252; p. 77.
Closet-bowl clean-out. D. Kennedy. No. 1,287,042; Dec. 10; v. 257; p. 245.
Closet-bowls, Constructing. G. P. Gavin. No. 1,289,151; Dec. 31; v. 257; p. 846.
Closet-bowls, System for flushing. H. T. Cronk. No. 1,284,181; Nov. 5; v. 256; p. 196.
Closet-flushing mechanism, Water-. L. O. Jones. No. 1,281,583; Oct. 15; v. 255; p. 462.
Closet-locking device. J. C. Duner. No. 1,252,556; Jan. 8; v. 246; p. 357.
Closet-rod, Adjustable. D. D. Good. No. 1,266,677; May 21; v. 250; p. 559.
Closet-seat. M. J. Whelan. No. 1,273,703; July 23; v. 252; p. 905.
Closet-seat-cover holder, Sanitary. D. Glasgow. No. 1,259,509; Mar. 19; v. 248; p. 520.
Closet-seat pivot. B. Purnell. No. 1,276,265; Aug. 20; v. 253; p. 593.
Closet-tank, Flush. J. A. Egan. No. 1,265,890; May 14; v. 250; p. 310.
Closing or sealing up vessels, Means for. A. G. H. Thatcher. No. 1,271,242; July 2; v. 252; p. 139.
Closure. H. H. Hull. No. 1,276,223; Aug. 20; v. 253; p. 582.
Closure. G. M. Keller. No. 1,276,077; Aug. 20; v. 253; p. 542.
Closure. H. Spengler. No. 1,260,726; Mar. 26; v. 248; p. 906.
Closure. H. Spengler. No. 1,289,947; Dec. 31; v. 257; p. 1043.
Closure-applying tool. E. W. Tate. No. 1,261,458; Apr. 2; v. 249; p. 132.
Closure-fastener. K. Sugiyama. No. 1,264,709; Apr. 30; v. 249; p. 1152.
Closure for culture-containers. B. Barlow. No. 1,283,040; Oct. 29; v. 255; p. 926.
Closure or door. J. H. Hume. No. 1,269,283; June 11; v. 251; p. 360.
Closure or door. J. H. Hume. No. 1,269,284; June 11; v. 251; p. 360.
Cloth cropping or shearing machine. T. Canby. No. 1,277,694; Sept. 3; v. 254; p. 101.
Cloth-cutter guard. R. A. Read. No. 1,283,895; Nov. 5; v. 256; p. 121.
Cloth-cutting knife. J. Appelbaum. No. 1,270,683; June 25; v. 251; p. 799.
Cloth-cutting machine. G. L. Ballard. No. 1,282,669; Oct. 22; v. 255; p. 796.
Cloth-cutting machine. E. W. Bortman. No. 1,271,522; July 2; v. 252; p. 214.
Cloth-cutting machine. F. J. Clark. No. 1,271,279; July 2; v. 252; p. 149.
Cloth-cutting machine. F. J. Clark and W. H. Wyman. No. 1,253,352; Jan. 15; v. 246; p. 619.
Cloth-cutting machine. I. Lifshitz. No. 1,272,818; July 16; v. 252; p. 641.
Cloth-cutting machine. H. Maimin and H. B. Batjer. No. 1,284,402; Nov. 12; v. 256; p. 283.
Cloth-cutting machine, Straight-knife. M. Zawistowski and N. Komow. No. 1,277,812; Sept. 3; v. 254; p. 133.
Cloth-cutting machines, Lifter for. J. B. Gury. No. 1,259,618; Mar. 19; v. 248; p. 551.
Cloth-cutting machines, Roller-support for. D. S. Maimin. No. 1,287,723; Dec. 17; v. 257; p. 446.
Cloth-folding means. J. R. Campbell. No. 1,259,487; Mar. 19; v. 248; p. 514.
Cloth-guiding apparatus. G. W. French, Jr. No. 1,268,956; June 11; v. 251; p. 268.
Cloth-holding clamp. I. Cohen. No. 1,254,311; Jan. 22; v. 246; p. 914.
Cloth-laying machine. M. Isaacs. No. 1,265,452; May 7; v. 250; p. 160.
Cloth-laying machine. M. Samburg. No. 1,289,552; Dec. 31; v. 257; p. 946.
Cloth-marking device. C. G. Richardson. No. 1,266,628; May 21; v. 250; p. 545.
Cloth-measuring machine. H. L. Brown. No. 1,288,498; Dec. 24; v. 257; p. 662.
Cloth-piercing drill. N. Burker. No. 1,262,633; Apr. 16; v. 249; p. 521.
Cloth-reel. M. W. Joyce. No. 1,272,672; July 16; v. 252; p. 599.
Cloth-shearing machines, Seam-protecting device for. J. Broman. No. 1,255,980; Feb. 12; v. 247; p. 292.
Cloth unfolding and rolling machine. B. Weinberger. No. 1,261,877; Apr. 9; v. 249; p. 282.
Clothes-clip. R. C. Jordan. No. 1,285,724; Nov. 26; v. 256; p. 693.
Clothes-drier. J. E. Hill. No. 1,283,516; Nov. 5; v. 256; p. 21.
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Clothes-drier. A. G. Kent. No. 1,260,206; Mar. 19; v. 248; p. 719.
Clothes-drier. F. Kraviecz. No. 1,274,284; July 30; v. 252; p. 1105.
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Clothes-drier. P. D. Riordan. No. 1,261,623; Apr. 2; v. 249; p. 179.
Clothes-drier. P. D. Riordan. No. 1,288,996; Dec. 24; v. 257; p. 784.
Clothes-drier. J. Sampson. No. 1,285,404; Nov. 19; v. 256; p. 573.
Clothes-drier. C. W. Singleterry. No. 1,269,012; June 11; v. 251; p. 284.
Clothes-drier. E. Wideen. No. 1,276,300; Aug. 20; v. 253; p. 603.
Clothes-drying device. D. W. Reed. No. 1,260,807; Mar. 26; v. 248; p. 928.
Clothes-drying rack. R. H. Brock. No. 1,253,931; Jan. 15; v. 246; p. 785.
Clothes-fastener. C. F. Cooper. No. 1,275,533; Aug. 13; v. 253; p. 358.
Clothes-hanger. C. A. Hunster. No. 1,285,191; Nov. 19; v. 256; p. 520.
Clothes-hanger. G. A. Smith. No. 1,260,083; Mar. 19; 248; p. 686.
Clothes-hanger support. J. Vaudreuil. No. 1,256,849; Feb. 19; v. 247; p. 584.
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Clothes-holder. I. E. Fitz Gerald. No. 1,272,244; July 9; v. 252; p. 452.
Clothes-hook. L. P. Cloutier. No. 1,271,435; July 2; v. 252; p. 190.
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Clothes-lifter. W. H. Wood. No. 1,253,450; Jan. 15; v. 246; p. 650.
Clothes-line. C. A. Anderson. No. 1,281,475; Oct. 15; v. 255; p. 433.
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Clothes line and fastening device. C. A. Olsen and L. C. Mapes. No. 1,268,606; June 4; v. 251; p. 153.
Clothes-line and locking clothes-pin therefor. W. R. Derr. No. 1,275,538; Aug. 13; v. 253; p. 360.

Clothes-line and locking-pin therefor. W. R. Derr and S. Smith. No. 1,265,436; May 7; v. 250; p. 155.
Clothes-line cover. F. C. Washburn. No. 1,287,535; Dec. 10; v. 257; p. 366.
Clothes-line fastener. A. G. Anderson. No. 1,259,584; Mar. 19; v. 248; p. 542.
Clothes-line fastener. C. B. Humble. No. 1,251,778; Jan. 1; v. 246; p. 101.
Clothes-line hanger. T. Backoff. No. 1,275,358; Aug. 13; v. 253; p. 311.
Clothes-line hanger. P. M. Gorski. No. 1,277,910; Sept. 3; v. 254; p. 160.
Clothes-line holder. E. Huether. No. 1,281,573; Oct. 15; v. 255; p. 458.
Clothes-line holder. C. Y. Kinsey. No. 1,263,680; Apr. 23; v. 249; p. 835.
Clothes-line holder. C. A. Van Schoyck. No. 1,281,424; Oct. 15; v. 255; p. 420.
Clothes-line holder and fastener. M. F. Cubiac. No. 1,265,620; May 7; v. 250; p. 203.
Clothes-line prop. E. Wold. No. 1,253,326; Jan. 15; v. 246; p. 610.
Clothes-line puller. J. G. Schwartz. No. 1,260,583; Mar. 26; v. 248; p. 864.
Clothes-line reel. C. A. Boyer. No. 1,270,257; June 25; v. 251; p. 682.
Clothes-line stretcher. J. R. Anderson. No. 1,276,702; Aug. 27; v. 253; p. 753.
Clothes-line stretcher and support. E. B. Bertwell. No. 1,262,914; Apr. 16; v. 249; p. 601.
Clothes-line support. J. N. McGriff. No. 1,259,648; Mar. 19; v. 248; p. 558.
Clothes-line support. C. Mohar. No. 1,285,311; Nov. 19; v. 256; p. 549.
Clothes-line tightener. J. F. Fitz Simmons. No. 1,261,505; Apr. 2; v. 249; p. 146.
Clothes-line tightener. B. F. Wingert. No. 1,261,666; Apr. 2; v. 249; p. 191.
Clothes pegs or pins, Reinforcement of. F. Apted. No. 1,277,170; Aug. 27; v. 253; p. 877.
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Clothes-pin. M. E. Cramer. No. 1,260,969; Mar. 26; v. 248; p. 972.
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Clothes-pin. H. F. Gilbert. No. 1,268,708; June 4; v. 251; p. 181.
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Clothes-pin. J. H. Russell. No. 1,279,010; Sept. 17; v. 254; p. 510.
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Clothes-wringer clamp. A. E. Holaday. No. 1,286,004; Nov. 26; v. 256; p. 763.
Clothes wringer, mangle, or other roller-machine. G. H. Jantz. No. 1,260,905; Mar. 26; v. 248; p. 954.
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Clothes-wringer pressure-roll release. A. E. Holaday. No. 1,286,003; Nov. 26; v. 256; p. 763.
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Clutch, Rotatable electromagnetic. F. Satterstrom. No. 1,273,003; July 16; v. 252; p. 693.
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Clutching mechanism. A. O. Higinbotham. No. 1,281,368; Oct. 15; v. 255; p. 405.
Clutching mechanism. N. Lombard. No. 1,270,533; June 25; v. 251; p. 759.
Clutching or starting device, Automatic. C. Bergmann, Jr. No. 1,254,196; Jan. 22; v. 246; p. 881.
Coach-step, Folding. J. F. Berry. No. 1,252,993; Jan. 8; v. 246; p. 484.
Coagulating latex and product thereof. E. M. Slocum. No. 1,270,887; July 2; v. 252; p. 38.
Coal and gas range, Combined. J. W. Mueller. No. 1,280,070; Sept. 24; v. 254; p. 826.
Coal and the like handling system. G. E. Titcomb. No. 1,282,144; Oct. 22; v. 255; p. 653.
Coal and the like, Producing liquid or soluble organic combinations from hard. F. Bergins and J. Billwiller. No. 1,251,954; Jan. 1; v. 246; p. 151.
Coal, Apparatus for distillation of. J. L. Graffin. No. 1,274,033; July 30; v. 252; p. 1035.
Coal, Apparatus for handling. R. M. Bickley. No. 1,288,375; Dec. 17; v. 257; p. 605.
Coal-ash, Apparatus for the removal of. M. Leblanc No. 1,254,244; Jan. 22; v. 246; p. 894.
Coal at high temperature, Calcining. W. Dyrssen. No. 1,277,707; Sept. 3; v. 254; p. 104.
Coal-auger nuts, Fastener for sectional. J. H. Wenzlick. No. 1,286,859; Dec. 3; v. 257; p. 160.
Coal-boring auger, Adjustable. F. W. Armstrong. No. 1,270,092; June 18; v. 251; p. 612.
Coal-breaker construction. J. L. Hiller. No. 1,254,137; Jan. 22; v. 246; p. 865.
Coal-breakers, Lifting and screening shelf for. J. L. Hiller. No. 1,259,983; Mar. 19; v. 248; p. 658.
Coal-burning furnace, Pulverized-. W. M. Oliver. No. 1,257,103; Feb. 19; v. 247; p. 658.
Coal-carrier for retorts. G. W. Traer. No. 1,267,479; May 28; v. 250; p. 807.
Coal-chute. W. V. Heinz. No. 1,286,618; Dec. 3; v. 257; p. 106.
Coal-cutters, Intermittent operating mechanism for. J. Valencich. No. 1,255,669; Feb. 5; v. 247; p. 161.
Coal-digger. H. S. Webster. No. 1,283,383; Oct. 29; v. 255; p. 1017.
Coal elevator and loader. J. Chabala. No. 1,263,528; Apr. 23; v. 249; p. 794.
Coal-handling apparatus. R. M. Bickley. No. 1,251,626; Jan. 1; v. 246; p. 54.
Coal-handling-jig gate. M. H. Reap. No. 1,252,947; Jan. 8; v. 246; p. 468.
Coal-hole cover. J. Frank. No. 1,252,795; Jan. 8; v. 246; p. 425.
Coal-jigger. J. F. Wagner. No. 1,288,311; Dec. 17; v. 257; p. 590.
Coal-loading shovel. W. Ferris, S. R. W. M. Bager, and M. L. Fykse. No. 1,289,426; Dec. 31; v. 257; p. 916.
Coal-mining device. J. F. Joy. No. 1,273,869; July 30; v. 252; p. 988.
Coal pile. A. C. Johnston. No. 1,256,569; Feb. 19; v. 247; p. 502.
Coal-pusher. J. Lemay. No. 1,275,708; Aug. 13; v. 253; p. 406.
Coal-separator. J. Frew and M. J. McNeil. No. 1,260,178; Mar. 19; v. 248; p. 710.
Coal-separator. M. H. Reap and J. R. Fleming. No. 1,283,896; Nov. 5; v. 256; p. 121.
Coal-shovel. O. N. Clemetson. No. 1,285,046; Nov. 19; v. 256; p. 482.
Coal-shovel and ash-sieve, Combined. J. F. Wynne. No. 1,259,333; Mar. 12; v. 248; p. 438.
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Coal, Treating. C. H. Smith. No. 1,276,428; Aug. 20; v. 253; p. 640.
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Coal-washing trough. G. E. Alleman. No. 1,268,531; June 4; v. 251; p. 131.
Coal-washings-settling apparatus. E. G. Burks and N. Hayes. No. 1,284,586; Nov. 12; v. 256; p. 327.
Coaling apparatus, Means for operating overhead valves of. W. E. Hale. No. 1,272,037; July 9; v. 252; p. 394.
Coaling-station, Automatic. M. Miller and T. S. Leake. No. 1,288,959; Dec. 24; v. 257; p. 775.
Coaster. W. F. Bailey. No. 1,272,761; July 16; v. 252; p. 624.
Coaster. C. H. Johnson. No. 1,274,889; Aug. 6; v. 253; p. 156.
Coaster, Adjustable. C. Bradway. No. 1,285,009; Nov. 19; v. 256; p. 473.
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Coat and hat rack, Adjustable. O. H. Gentry. No. 1,270,936; July 2; v. 252; p. 52.
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Coat and vest, Combined. J. A. McQuarrie. No. 1,271,047; July 2; v. 252; p. 84.
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Coat-hanger. W. J. Klesat. No. 1,286,022; Nov. 26; v. 256; p. 767.
Coat-hanger. R. L. Omohundro. No. 1,262,085; Apr. 9; v. 249; p. 337.
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Coating and drying machine. M. Smolowich and J. Stone. No. 1,273,194; July 23; v. 252; p. 770.
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Coating composition. C. P. Townsend. No. 1,273,954; July 30; v. 252; p. 1014.
Coating composition and making same, Liquid. H. D. Baumgartel. No. 1,257,783; Feb. 26; v. 247; p. 893.
Coating composition, Liquid. F. Picard. No. 1,281,650; Oct. 15; v. 255; p. 479.
Coating-machine. E. Armitage. No. 1,257,962; Mar. 5; v. 248; p. 3.
Coating-machine. C. E. Arnold. No. 1,259,339; Mar. 12; v. 248; p. 440.
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Coating-machine. C. W. Mayer. No. 1,283,851; Nov. 5; v. 256; p. 109.
Coating-machine. C. W. Mayer. No. 1,288,641; Dec. 24; v. 257; p. 698.
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Coating-machine. L. W. Sutherland. No. 1,276,439; Aug. 20; v. 253; p. 643.
Coating-machine. W. J. Welsh. No. 1,257,564; Feb. 26; v. 247; p. 828.
Coating-machine. G. White. No. 1,285,516; Nov. 19; v. 256; p. 600.
Coating machine, Container-. F. P. Wood. No. 1,274,830; Aug. 6; v. 253; p. 139.
Coating-machine immersing device. M. M. Jewett. No. 1,287,332; Dec. 10; v. 257; p. 318.
Coating-machines and the like, Feeding apparatus for. A. L. Bausman. No. 1,263,638; Apr. 23; v. 249; p. 823.
Coating mechanism. L. C. Palmer. No. 1,252,019; Jan. 1; v. 246; p. 170.
Coating, Metal. E. W. McMullen. No. 1,268,987; June 11; v. 251; p. 277.
Coating metal articles. R. J. Shoemaker. No. 1,276,977; Aug. 27; v. 253; p. 824.
Coating or joining articles of tungsten or molybdenum. F. A. Fahrenwald. No. 1,263,656; Apr. 23; v. 249; p. 828.
Coating paper and articles produced thereby, Method of. H. Gesell. No. 1,277,904; Sept. 3; v. 254; p. 158.
Coating process. J. P. A. McCoy. No. 1,268,030; May 28; v. 250; p. 962.
Coating tungsten or molybdenum articles with precious metals. F. A. Fahrenwald. No. 1,261,110; Apr. 2; v. 249; p. 34.
Coating with metal, Machine and method for. C. C. Roberts. No. 1,252,363; Jan. 1; v. 246; p. 264.
Coating with metal, Machine for. J. Powanda. No. 1,289,260; Dec. 31; v. 257; p. 874.
Coatings, Apparatus for making metallic. G. Stölle. No. 1,262,134; Apr. 9; v. 249; p. 352.
Coatings, Machine for applying. A. I. Klock. No. 1,284,708; Nov. 12; v. 256; p. 357.
Coatings, Manufacture of an agglutinant for. J. Rosen. No. 1,273,927; July 30; v. 252; p. 1006.
Coatings to bars, rods, pipes, &c., Apparatus for applying. W. L. Cole. No. 1,263,858; Apr. 23; v. 249; p. 882.
Coatings to bodies, Applying finish-. C. H. Parkin. No. 1,282,460; Oct. 22; v. 255; p. 738.
Cock and the like, Gas-. A. Petix. No. 1,253,093; Jan. 8; v. 246; p. 514.
Cock and valve, Lubricated. L. S. Bache. No. 1,261,469; Apr. 2; v. 249; p. 134.
Cock, Ball-. M. H. Greeson. No. 1,271,459; July 2; v. 252; p. 196.
Cock, Ball-. O. H. Jones. No. 1,252,701; Jan. 8; v. 246; p. 398.
Cock, Ball-. M. A. Slattery and W. F. Dockery. No. 1,257,296; Feb. 19; v. 247; p. 715.
Cock, Ball-. F. V. Smith. No. 1,279,468; Sept. 17; v. 254; p. 632.
Cock, Compression stop and waste-. R. Klug. No. 1,281,791; Oct. 15; v. 255; p. 516.
Cock, Corporation-. M. J. Ruark. No. 1,270,329; June 25; v. 251; p. 703.
Cock, Cylinder-. I. A. Seiders. No. 1,267,002; May 21; v. 250; p. 649.
Cock device, Universal sterilizing stop-. S. W. Gordon. No. 1,272,943; July 16; v. 252; p. 676.
Cock, Drain-. W. Grikscheit. No. 1,267,763; May 28; v. 250; p. 887.
Cock, Drain-. J. J. Madeksho. No. 1,254,716; Jan. 29; v. 246; p. 1060.
Cock for regulating the flow of liquids and gases. E. T. Stewart. No. 1,259,054; Mar. 12; v. 248; p. 360.
Cock, Gage-. C. W. Enos. No. 1,269,587; June 18; v. 251; p. 474.
Cock, Gage-. C. H. Swart. No. 1,252,733; Jan. 8; v. 246; p. 407.
Cock, Gage-. H. A. Vormeng. No. 1,252,206; Jan. 1; v. 246; p. 222.
Cock, Gas-. R. Swimmer. No. 1,262,715; Apr. 16; v. 249; p. 544.
Cock, Priming-. W. I. Oeschger. No. 1,252,157; Jan. 1; v. 246; p. 209.
Cock, Safety gage-. E. B. Wadell, Sr. No. 1,254,011; Jan. 15; v. 246; p. 808.
Cock, Sea-. A. J. Donnell. No. 1,278,882; Sept. 17; v. 254; p. 474.
Code device. J. W. Wulf. No. 1,271,000; July 2; v. 252; p. 71.
Coffee and the like can. B. K. Ford. No. 1,284,635; Nov. 12; v. 256; p. 339.
Coffee compound. J. D. Fletcher. No. 1,255,816; Feb. 5; v. 247; p. 203.
Coffee extract, Plant for the manufacture of. L. Etaix. No. 1,254,129; Jan. 22; v. 246; p. 862.
Coffee, Grinding and packing. J. E. King. No. 1,263,434; Apr. 23; v. 249; p. 768.
Coffee, Grinding and packing. J. E. King. (Reissue.) No. 14,520; Sept. 10; v. 254; p. 427.
Coffee-like or tea-like beverages and products, Producing. A. Bjercke. No. 1,257,451; Feb. 26; v. 247; p. 794.
Coffee, Means for extracting chaff from ground. L. Warstler. No. 1,257,429; Feb. 26; v. 247; p. 787.
Coffee-mill burs. J. F. Carson. No. 1,262,636; Apr. 16; v. 249; p. 522.
Coffee or tea pot strainer attachment. C. E. Allensworth. No. 1,280,625; Oct. 8; v. 255; p. 167.
Coffee-percolator with flexible coupling. J. B. Bleichrode. No. 1,288,376; Dec. 17; v. 257; p. 605.
Coffee-pot. F. Bentivegna. No. 1,279,830; Sept. 24; v. 254; p. 759.
Coffee-pot. J. B. Cooley. No. 1,276,177; Aug. 20; v. 253; p. 570.
Coffee product and making same. W. G. Phillips, Jr., and W. F. McKenna. No. 1,271,761; July 9; v. 252; p. 315.
Coffee-roaster. F. G. P. Leao. No. 1,279,557; Sept. 24; v. 254; p. 680.
Coffee-roaster attachment. S. Liberto. No. 1,256,336; Feb. 12; v. 247; p. 399.
Coffee substitute. S. Sorensen. No. 1,288,727; Dec. 24; v. 257; p. 719.
Coffer-dam. E. Cahn. No. 1,277,847; Sept. 3; v. 254; p. 143.
Coffin. M. Navarrete and Y. Martinez. No. 1,270,543; June 25, v. 251; p. 762.
Coffin-box. G. G. Babich. No. 1,259,068; Mar. 12; v. 248; p. 364.
Coffin-elevator for mausoleums. C. E. Bryan. No. 1,273,143; July 23; v. 252; p. 756.

Coffin-holding device for hearses. H. A. Yelder. No. 1,274,835; Aug. 6; v. 253; p. 141.
Coffin ornament or the like. E. R. Sargent. No. 1,258,147; Mar. 5; v. 248; p. 57.
Coil and fuse, Combined choke-. J. L. Fay. No. 1,284,629; Nov. 12; v. 256; p. 337.
Coil-boxes and switches, Locking device for. H. W. Neal. No. 1,262,378; Apr. 9; v. 249; p. 420.
Coil-case and terminal. J. L. Milton. No. 1,275,170; Aug. 6; v. 253; p. 233.
Coil case, Loading-. C. R. Young. No. 1,272,166; July 9; v. 252; p. 430.
Coil-forming machine. E. J. Bryan. No. 1,253,782; Jan. 15; v. 246; p. 743.
Coil, Repeating. H. D. Currier. No. 1,278,864; Sept. 17; v. 254; p. 469.
Coil retaining and ventilating means. A. B. Field and E. Fornander. No. 1,266,571; May 21; v. 250; p. 528.
Coil-retaining device. F. E. Wynne. No. 1,271,409; July 2; v. 252; p. 183.
Coil-retaining means. A. B. Field and B. A. Behrend. No. 1,269,590; June 18; v. 251; p. 475.
Coil-support. C. R. Young. No. 1,288,365; Dec. 17; v. 257; p. 602.
Coil support, Field-. F. I. Hiss. No. 1,253,242; Jan. 15; v. 246; p. 585.
Coil-supporting means. A. B. Field. No. 1,267,997; May 28; v. 250; p. 954.
Coin-actuated machines, Safety-lock for. R. T. Hosking. No. 1,260,997; Mar. 26; v. 248; p. 979.
Coin-actuated mechanism. E. Richter. No. 1,257,274; Feb. 19; v. 247; p. 709.
Coin assorter and register, Automatic. E. W. McPheeters. No. 1,288,091; Dec. 17; v. 257; p. 537.
Coin-card. J. Curin. No. 1,286,543; Dec. 3; v. 257; p. 89.
Coin-carrier. F. A. McGinnis. No. 1,256,241; Feb. 12; v. 247; p. 370.
Coin-change-making machine. W. P. Dun Lany. No. 1,284,619; Nov. 12; v. 256; p. 335.
Coin-controlled apparatus. E. A. Copeland. No. 1,259,605; Mar. 19; v. 248; p. 547.
Coin-controlled apparatus. F. G. Henry. No. 1,262,193; Apr. 9; v. 249; p. 369.
Coin-controlled apparatus, Fraud-preventing device for. S. G. Back and B. L. Dolloff. No. 1,276,001; Aug. 20; v. 253; p. 520.
Coin-controlled apparel hanger and checker. J. W. Teague. No. 1,288,286; Dec. 17; v. 257; p. 585.
Coin-controlled lock. R. D. King. No. 1,283,802; Nov. 5; v. 256; p. 95.
Coin-controlled lock for lockers. S. L. Flowers. No. 1,270,717; June 25; v. 251; p. 807.
Coin-controlled machine. A. D. Grover. No. 1,283,161; Oct. 29; v. 255; p. 958.
Coin-controlled machine. J. A. Webster. No. 1,256,620; Feb. 19; v. 247; p. 517.
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Coin-controlled machines, Magnetic slug-deflector for. A. D. Grover. No. 1,261,121; Apr. 2; v. 249; p. 37.
Coin-controlled mechanism. O. Jaeger. No. 1,257,869; Feb. 26; v. 247; p. 918.
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Coin-delivering mechanism. E. J. Brandt. No. 1,266,097; May 14; v. 250; p. 368.
Coin-deposit receptacle. C. Gibbs and J. O. Seifert. No. 1,260,364; Mar. 26; v. 248; p. 799.
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Coin-freed apparatus and the like, Delivery mechanism for. R. G. Lewis and H. Brooker. No. 1,281,602; Oct. 15; v. 255; p. 466.
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Coin-holder. L. Lukacher. No. 1,289,840; Dec. 31; v. 257; p. 1016.
Coin-holder. E. T. McGinnis. No. 1,271,339; July 2; v. 252; p. 165.
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Coin holder and deliverer, Swinging-barrel. A. A. Laforest. No. 1,289,198; Dec. 31; v. 257; p. 857.
Coin-holding device. J. W. Hart. No. 1,289,748; Dec. 31; v. 257; p. 993.
Coin inspection and counting machine. J. M. Johnson. No. 1,251,534; Jan. 1; v. 246; p. 26.
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Coin-receiving device. O. Jaeger. No. 1,257,870; Feb. 26; v. 247; p. 919.
Coin-receptacle. J. B. Huddle. No. 1,287,025; Dec. 10; v. 257; p. 241.
Coin-receptacle. J. H. Procter. No. 1,258,046; Mar. 5; v. 248; p. 28.
Coin-selecting device. R. H. Pollock. No. 1,280,539; Oct. 1; v. 255; p. 118.
Coin-selecting device. R. H. Pollock. No. 1,280,540; Oct. 1; v. 255; p. 118.
Coin-separating device. G. N. Hinds. No. 1,275,155; Aug. 6; v. 253; p. 229.
Coin-separator. W. B. Purt. No. 1,260,802; Mar. 26; v. 248; p. 927.
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Coin sorting and counting machine. J. J. Jorgensen and W. G. Latimer. No. 1,279,351; Sept. 17; v. 254; p. 601.
Coin stacking and packing device. M. B. Hinds and H. A. Skinner. No. 1,280,031; Sept. 24; v. 254; p. 816.
Coin-wrapper. A. V. Chamberlin. No. 1,263,854; Apr. 23; v. 249; p. 881.
Coin wrapping and counting device. A. B. Sherwood. No. 1,274,615; Aug. 6; v. 253; p. 79.
Coin-wrapping device. R. F. Carter, Jr. No. 1,279,984; Sept. 24; v. 254; p. 803.
Coin-wrapping machine. W. D. Heer. No. 1,287,303; Dec. 10; v. 257; p. 311.
Coke discharging and quenching apparatus. S. N. Wellington. No. 1,274,826; Aug. 6; v. 253; p. 138.
Coke, Hydrocarbon. R. P. Perry. No. 1,257,959; Feb. 26; v. 247; p. 943.
Coke, Manufacture of. A. M. Duckham. No. 1,289,045; Dec. 24; v. 257; p. 795.
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Coke-oven. F. Peiter. No. 1,267,332; May 21; v. 250; p. 739.
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Coke-oven door. R. Peel and T. F. Shevels. No. 1,276,107; Aug. 20; v. 253; p. 350.
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Coke-oven, Regenerator. E. Lecocq. No. 1,265,684; May 7; v. 250; p. 220.
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Coking apparatus. F. Pribyl. No. 1,279,757; Sept. 24; v. 254; p. 737.
Coking-pitch. R. A. Lee. No. 1,283,229; Oct. 29; v. 255; p. 976.
Colander. E. Scofield. No. 1,267,466; May 28; v. 250; p. 804.
Cold-drawn die. W. I. Clayton. No. 1,258,874; Mar. 12; v. 248; p. 309.
Cold-storage installation. W. H. Tucker. No. 1,268,301; June 4; v. 251; p. 66.
Collapsible block. R. Dunseath. No. 1,271,869; July 9; v. 252; p. 344.
Collapsible box. C. N. Amick. No. 1,257,571; Feb. 26; v. 247; p. 831.
Collapsible box. H. G. Hall. No. 1,271,034; July 2; v. 252; p. 80.
Collapsible box. E. Lenke. No. 1,263,575; Apr. 23; v. 249; p. 806.
Collapsible box. J. McCormack and E. E. Louiselle. No. 1,262,612; Apr. 9; v. 249; p. 487.
Collapsible box. A. and A. Paquet. No. 1,257,632; Feb. 26; v. 247; p. 849.
Collapsible box. E. J. Wild. No. 1,277,515; Sept. 3; v. 254; p. 51.
Collapsible frame. G. W. Dunn. No. 1,272,023; July 9; v. 252; p. 389.
Collapsible household screen. L. R. Borland. No. 1,278,579; Sept. 10; v. 254; p. 363.
Collapsible stand or table. W. H. Hendershott. No. 1,251,661; Jan. 1; v. 246; p. 66.
Collapsible table. U. K. Pamperin. No. 1,289,247; Dec. 31; v. 257; p. 870.
Collapsible table. J. Stone. No. 1,272,560; July 16; v. 252; p. 565.
Collapsible tube. E. E. Ford. No. 1,278,901; Sept. 17; v. 254; p. 480.
Collapsible tube. G. Marceau. No. 1,256,345; Feb. 12; v. 247; p. 401.
Collapsible-tube closure. C. F. Kerrigan. No. 1,282,591; Oct. 22; v. 255; p. 774.
Collar. E. H. Betts. No. 1,282,729; Oct. 29; v. 255; p. 839.
Collar. J. H. Dix. No. 1,252,791; Jan. 8; v. 246; p. 424.

Collar. H. F. Hurd and S. T. Wright. No. 1,287,324; Dec. 10; v. 257; p. 316.
Collar. R. O. Kennedy. No. 1,270,168; June 18; v. 251; p. 633.
Collar. J. L. Morgan. No. 1,254,339; Jan. 22; v. 246; p. 922.
Collar. J. L. Morgan. No. 1,254,340; Jan. 22; v. 246; p. 922.
Collar. J. C. Mott. No. 1,254,059; Jan. 22; v. 246; p. 841.
Collar. J. L. Murphy. No. 1,286,390; Dec. 3; v. 257; p. 50.
Collar. F. E. Naegeli. No. 1,256,922; Feb. 19; v. 247; p. 606.
Collar. M. A. Narmore. No. 1,288,133; Dec. 17; v. 257; p. 548.
Collar. J. K. P. Pine. No. 1,253,418; Jan. 15; v. 246; p. 640.
Collar. R. T. Rogers. No. 1,258,467; Mar. 5; v. 248; p. 150.
Collar. J. M. Van Heusen. No. 1,254,294; Jan. 22; v. 246; p. 909.
Collar. C. Weis. No. 1,273,702; July 23; v. 252; p. 904.
Collar, Adjustable horse-. M. R. Criviansky. No. 1,258,198; Mar. 5; v. 248; p. 72.
Collar-adjusting clamp. G. F. Newton. No. 1,275,461; Aug. 13; v. 253; p. 339.
Collar and hames, Horse-. G. W. Hahn. No. 1,254,324; Jan. 22; v. 246; p. 918.
Collar and lead ring and process of coupling drill-pipes. H. A. Bardeen. No. 1,265,706; May 7; v. 250; p. 226.
Collar and necktie holder. W. H. Lee. No. 1,274,906; Aug. 6; v. 253; p. 161.
Collar and tie, Combined. C. T. Kerstetter. No. 1,259,244; Mar. 12; v. 248; p. 412.
Collar, Bound. J. M. Van Heusen. No. 1,267,291; May 21; v. 250; p. 728.
Collar-clasp. A. M. Kunz. No. 1,265,214; May 7; v. 250; p. 95.
Collar device for dogs and other animals. G. S. Carr. No. 1,262,447; Apr. 9; v. 249; p. 439.
Collar-fastener. L. A. Anderson. No. 1,277,168; Aug. 27; v. 253; p. 877.
Collar-fastener. B. Brooks. No. 1,273,325; July 23; v. 252; p. 803.
Collar-fastener. E. Ingram. No. 1,274,553; Aug. 6; v. 253; p. 61.
Collar-fastener. G. D. Thompson. No. 1,264,711; Apr. 30; v. 249; p. 1152.
Collar-fastener. A. H. Whitehead. No. 1,280,605; Oct. 1; v. 255; p. 136.
Collar-fastener and tie-supporter, Combined. C. R. Dickinson. No. 1,286,556; Dec. 3; v. 257; p. 91.
Collar, Fold-. H. F. Hurd. No. 1,260,544; Mar. 26; v. 248; p. 852.
Collar, Fold-. H. F. Hurd. No. 1,267,770; May 28; v. 250; p. 890.
Collar-holder. F. J. Le Clair. No. 1,288,624; Dec. 24; v. 257; p. 694.
Collar-holder. H. W. Winter. No. 1,281,114; Oct. 8; v. 255; p. 301.
Collar-hook. H. A. Bode. No. 1,281,278; Oct. 15; v. 255; p. 378.
Collar, Horse-. C. T. Barger. No. 1,270,588; June 25; v. 251; p. 774.
Collar, Horse-. E. Bohaczyk. No. 1,265,992; May 14; v. 250; p. 339.
Collar, Horse-. J. H. Stippel. No. 1,259,055; Mar. 12; v. 248; p. 360.
Collar-molding machine. J. J. Seltenreich. No. 1,252,186; Jan. 1; v. 246; p. 217.
Collar pad, Horse-. J. O. Johnson. No. 1,266,812; May 21; v. 250; p. 596.
Collar pad, Horse-. J. C. Nichols. No. 1,258,435; Mar. 5; v. 248; p. 142.
Collar-pouch. G. L. Osgood. No. 1,261,846; Apr. 9; v. 249; p. 274.
Collar-protector. M. A. Ferguson. No. 1,267,394; May 28; v. 250; p. 784.
Collar-protector. F. Lussy. No. 1,258,581; Mar. 5; v. 248; p. 185.
Collar-removing tool. F. A. Mitchell. No. 1,259,036; Mar. 12; v. 248; p. 356.
Collar, Safety set-. N. Barry. No. 1,264,594; Apr. 30; v. 249; p. 1121.
Collar shaping and ironing machine. J. A. Hughes. No. 1,257,238; Feb. 19; v. 247; p. 697.
Collar-shaping machine. G. B. Ehrmann. No. 1,257,685; February 26; v. 247; p. 863.
Collar, Shirt-. J. Schevenell. No. 1,287,455; Dec. 10; v. 257; p. 347.
Collar, Shirt-. E. Spiegel. No. 1,270,067; June 18; v. 251; p. 605.
Collar, Soft. D. B. Becker. No. 1,276,480; Aug. 20; v. 253; p. 654.
Collar, Soft fold-. J. F. Cree. No. 1,280,673; Oct. 8; v. 255; p. 181.
Collar, Soft fold-. F. H. Doty. No. 1,283,698; Nov. 5; v. 256; p. 68.
Collar, Soft fold-. H. F. Hurd. No. 1,280,742; Oct. 8; v. 255, p. 200.
Collar, Soft turn-down. D. B. Becker. No. 1,276,479; Aug. 20; v. 253; p. 654.
Collar-spreader. L. C. Neff. No. 1,269,205; June 11; v. 251; p. 338.
Collar-stiffening device, Soft-. M. Kahne. No. 1,266,274; May 14; v. 250; p. 417.
Collar, Stop-. J. Kruttschnitt. No. 1,264,815; Apr. 30; v. 249; p. 1179.
Collar-turning machine. W. A. Barnett. No. 1,273,807; July 30; v. 252; p. 970.
Collars and cuffs, Manufacture of. J. E. Bowen. No. 1,254,306; Jan. 22; v. 246; p. 913.
Collars and the like, Fastener for. A. Griffith. No. 1,258,112; Mar. 5; v. 248; p. 48.
Collars, Antifrictional binding for. J. Schevenell. No. 1,277,264; Aug. 27; v. 253; p. 900.
Collars, Means for repairing horse-. C. J. U. Blomberg. No. 1,286,213; Dec. 3; v. 257; p. 7.
Collars, Tie-slide for. R. J. Hall. No. 1,277,310; Aug. 27; v. 253; p. 912.
Collating device. E. P. Jennings, Jr. No. 1,253,247; Jan. 15; v. 246; p. 587.
Collecting and folding machine. R. C. Seymour. No. 1,286,120; Nov. 26; v. 256; p. 790.
Collision and torpedo mat and apparatus for manipulating same. W. B. Vanderlip. No. 1,265,555; May 7; v. 250; p. 185.
Colloid-treated fabric. S. P. Lovell. No. 1,256,240; Feb. 12; v. 247; p. 370.
Color. F. J. Baumgardner. No. 1,276,861; Aug. 27; v. 253; p. 794.
Color-comparing rod. L. F. and M. S. Nafis. No. 1,275,723; Aug. 13; v. 253; p. 412.
Color half-tones, Making. H. T. Brown. No. 1,264,004; Apr. 23; v. 249; p. 923.
Coloration method. B. D. Avis. No. 1,277,172; Aug. 27; v. 253; p. 878.
Coloring materials, Preparing blue. R. Vidal. No. 1,265,836; May 14; v. 250; p. 295.
Coloring materials, Preparing direct-dyeing black. R. Vidal. No. 1,265,837; May 14; v. 250; p. 295.
Coloring-matters and making same, Disazo. A. E. Gessler. No. 1,281,938; Oct. 15; v. 255; p. 557.
Colter. G. P. Holden. No. 1,253,974; Jan. 15; v. 246; p. 796.
Colter and jointer, Rolling. C. H. Melvin and J. P. Seaholm. No. 1,273,898; July 30; v. 252; p. 997.
Colter, Disk. T. Brown. No. 1,284,871; Nov. 12; v. 256; p. 400.
Colter-fastener. P. W. McFall. No. 1,252,915; Jan. 8; v. 246; p. 458.
Colter, Plow-. J. O. Casaday. No. 1,260,752; Mar. 26; v. 248; p. 914.
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Column. O. H. Basquin. No. 1,287,613; Dec. 17; v. 257; p. 417.
Column-clamp. C. M. Markham. No. 1,270,965; July 2; v. 252; p. 60.
Column-clamp. F. E. Shriner. No. 1,275,313; Aug. 13; v. 253; p. 298.
Column construction, Cast-iron-. P. Wright. No. 1,264,245; Apr. 30; v. 249; p. 1024.
Column-form. H. Jentzer. No. 1,272,961; July 16; v. 252; p. 681.
Column-mold. A. J. Des Lauriers. No. 1,282,200; Oct. 22; v. 255; p. 668.
Column-mold clamp. T. F. Novy. No. 1,280,820; Oct. 8; v. 255; p. 222.
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Currycomb. Top comb.
Fountain-comb.
Comb. C. Brandt. No. 1,286,218; Dec. 3; v. 257; p. 8.
Comb. A. F. Cox. No. 1,286,240; Dec. 3; v. 257; p. 14.
Comb. E. D. Green and E. M. Scott. No. 1,282,070; Oct. 22; v. 255; p. 632.
Comb. J. R. Hare. No. 1,255,601; Feb. 5; v. 247; p. 141.
Comb. W. G. Johnson. No. 1,286,600; Dec. 3; v. 257; p. 102.
Comb. M. F. Mullins. No. 1,266,704; May 21; v. 250; p. 566.
Comb. L. Myers. No. 1,265,362; May 7; v. 250; p. 135.
Comb and brush, Combination. C. M. Deason. No. 1,280,180; Oct. 1; v. 255; p. 17.
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Comb-cleaner. C. G. Dollison. No. 1,282,774; Oct. 29; v. 255; p. 851.
Comb-cleaner. N. T. McLeod. No. 1,278,962; Sept. 17; v. 254; p. 497.
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Comb-cleaning device. J. Kozak. No. 1,282,869; Oct. 29; v. 255; p. 879.
Comb-holder. L. W. Gustafson. No. 1,284,320; Nov. 12; v. 256; p. 262.
Comb-holder and clip therefor. W. C. Rust. No. 1,257,937; Feb. 26; v. 247; p. 938.
Combs and the like, One-hooked member for ornamental hair-. E. B. Rollason. No. 1,260,815; Mar. 26; v. 248; p. 931.
Comber-casing. F. L. Crockett. No. 1,272,013; July 9; v. 252; p. 387.
Comber, Heilmann-type. G. M. Whitin. No. 1,273,299; July 23; v. 252; p. 796.
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Combers and the like, Stop-motion for. P. J. Dockray. No. 1,252,096; Jan. 1; v. 246; p. 193.
Combers and the like, Stop-motion for. P. J. Dockray. No. 1,252,097; Jan. 1; v. 246; p. 193.
Combers and the like, Stop-motion for. P. J. Dockray. No. 1,252,098; Jan. 1; v. 246; p. 193.
Combing-machine. W. Holdsworth. No. 1,259,514; Mar. 19; v. 248; p. 521.
Combing-machines, Stop mechanism for. C. A. Lindberg and J. Hindley. No. 1,265,794; May 14; v. 250; p. 282.
Combing mechanism, Sheet-. V. Garner. No. 1,264,053; Apr. 23; v. 249; p. 936.
Combination-chair. J. D. Belanger. No. 1,277,682; Sept. 3; v. 254; p. 97.
Combination-chair. J. C. Peterman. No. 1,267,800; May 28; v. 250; p. 898.
Combination-lock. C. Hendrickson. No. 1,287,991; Dec. 17; v. 257; p. 513.
Combination-lock. J. T. Ikeda. No. 1,263,062; Apr. 16; v. 249; p. 644.
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Combination-lock. W. A. Scott. No. 1,278,032; Sept. 3; v. 254; p. 191.
Combination-lock. F. L. Taylor. No. 1,275,991; Aug. 13; v. 253; p. 487.
Combination-lock dial. R. C. Lewis. No. 1,286,035; Nov. 26; v. 256; p. 771.
Combination-stable. D. A. Lanza. No. 1,264,816; Apr. 30; v. 249; p. 1179.
Combination-stand. J. Lamey. No. 1,259,247; Mar. 12; v. 248; p. 412.
Combination-switch. H. H. Baker. No. 1,264,473; Apr. 30; v. 249; p. 1087.
Combination-wrench. J. J. A. Miller. No. 1,276,093; Aug. 20; v. 253; p. 546.
Combination-wrench. W. F. Snowdon. No. 1,288,248; Dec. 17; v. 257; p. 576.
Combustible compound. W. Joite. No. 1,285,208; Nov. 19; v. 256; p. 524.
Combustion. B. Valjean. No. 1,280,596; Oct. 1; v. 255; p. 134.
Combustion baffle-plate. G. W. Coen. No. 1,257,952; Feb. 26; v. 247; p. 942.
Combustion device. J. J. Hardin. No. 1,271,463; July 2; v. 252; p. 197.
Combustion-engine. C. I. Longenecker. No. 1,285,265; Nov. 19; v. 256; p. 537.
Combustion-engine. W. A. Sorg. No. 1,257,142; Feb. 19; v. 247; p. 668.
Combustion-engine, Two-stroke-cycle. A. Radovanovic. No. 1,255,462; Feb. 5; v. 247; p. 100.
Comforter. E. C. Arnold. No. 1,267,042; May 21; v. 250; p. 660.
Commercial instrument. C. D. Palmer. No. 1,275,297; Aug. 13; v. 253; p. 294.
Commode. F. E. Roush. No. 1,255,645; Feb. 5; v. 247; p. 154.
Commode, Portable. P. G. Mavrakis. No. 1,254,255; Jan. 22; v. 246; p. 897.
Commutator. W. I. Hallock. No. 1,266,798; May 21; v. 250; p. 592.
Commutator. W. T. Hensley. No. 1,287,309; Dec. 10; v. 257; p. 312.
Commutator. J. W. Pearson. No. 1,278,201; Sept. 10; v. 254; p. 261.
Commutator. C. C. Zenk. No. 1,255,681; Feb. 5; v. 247; p. 164.
Commutator and commutator-bar. H. L. Zabriskie and G. C. Marx. No. 1,271,984; July 9; v. 252; p. 379.
Commutator and holding means therefor. C. W. Dake. No. 1,286,243; Dec. 3; v. 257; p. 15.
Commutator and manufacturing the same. E. A. Halbleib and T. L. Lee. No. 1,274,411; Aug. 6; v. 253; p. 19.
Commutator-assembling device. L. A. Alexander. No. 1,272,176 July 9; v. 252; p. 433.
Commutator, Automatic. W. H. Pitts. No. 1,281,204; Oct. 8; v. 255; p. 327.
Commutator-bars, Blank for manufacturing. A. E. Doman. No. 1,282,052; Oct. 22; v. 255; p. 627.
Commutator-brushes, Adjustable support for. P. V. Kolff. No. 1,270,957; July 2; v. 252; p. 58.
Commutator, Current-rectifying. F. W. Reeves. No. 1,275,601; Aug. 13; v. 253; p. 377.
Commutator-cylinder. H. M. Wood. No. 1,289,344; Dec. 31; v. 257; p. 895.
Commutator-cylinder, Molded. W. H. Kempton. No. 1,284,362; Nov. 12; v. 256; p. 272.
Commutator-cylinder, Molded. C. E. Wilson, W. H. Kempton, and A. J. Bastian. No. 1,284,524; Nov. 12; v. 256; p. 312.
Commutator machines, Apparatus for controlling commutating-field strength of double-. M. Walker. No. 1,284,831; Nov. 12; v. 256; p. 389.
Commutator mechanisms, Brush-holder for. C. R. Meston and H. I. Finch. No. 1,275,458; Aug. 13; v. 253; p. 338.
Commutator-motors, Control system for alternating-current. R. E. Hellmund. No. 1,266,593; May 21; v. 250; p. 534.
Commutator-slotter. F. S. Walters. No. 1,281,724; Oct. 15; v. 255; v. 498.
Commutator-slotting device. F. E. Aurand. No. 1,260,125; Mar. 19; v. 248; p. 696.
Commutators, Building. V. G. Apple. No. 1,258,735; Mar. 12; v. 248; p. 267.
Commutators, Making. V. G. Apple. No. 1,276,856; Aug. 27; v. 253; p. 792.
Commutators, Manufacture of. A. E. Doman. No. 1,282,051; Oct. 22; v. 255; p. 626.
Comparator-gage. A. F. Rockwell. No. 1,274,331; July 30; v. 252; p. 1117.
Compartment-kiln. R. H. McElroy. No. 1,254,421; Jan. 22; v. 246; p. 945.
Compartment-kiln. R. H. McElroy. No. 1,264,317; Apr. 30; v. 249; p. 1042.
Compartment-kiln. R. H. McElroy. No. 1,275,712; Aug. 13; v. 253; p. 408.
Compass. C. F. Golden. No. 1,266,010; May 14; v. 250; p. 343.
Compass. J. A. Howe. No. 1,253,197; Jan. 8; v. 246; p. 544.
Compass, Aeronautical. G. E. Lehtinen. No. 1,270,178; June 18; v. 251; p. 635.
Compass-altimeter. K. Smith. No. 1,257,645; Feb. 26; v. 247; p. 852.
Compass and controlling the same, Gyroscopic. H. C. Ford and H. L. Tanner. No. 1,273,799; July 23; v. 252; p. 930.
Compass, Beam-. G. J. Hill. No. 1,288,412; Dec. 17; v. 257; p. 613.
Compass compensating device. A. D. McNevin. No. 1,253,849; Jan. 15; v. 246; p. 763.
Compass, Fluid-. B. Weiss. No. 1,283,003; Oct. 29; v. 255; p. 917.
Compass for ships, Gyroscopic. H. C. Ford and H. L. Tanner. No. 1,273,759; July 23; v. 252; p. 919.
Compass-gyroscope. E. Klahn. No. 1,289,813; Dec. 31; v. 257; p. 1010.
Compass, Gyroscopic. M. E. Carrie. No. 1,253,574; Jan. 15; v. 246; p. 683.
Compass, Gyroscopic. M. E. Carrie. No. 1,253,666; Jan. 15; v. 246; p. 710.
Compass, Gyroscopic. E. A. Sperry. No. 1,279,471; Sept. 17; v. 254; p. 632.
Compass, Gyroscopic. J. Toyokawa. No. 1,260,097; Mar. 19; v. 248; p. 690.
Compass, Magnetic. F. O. Creagh-Osborne and A. J. Hughes. No. 1,256,442; Feb. 12; v. 247; p. 430.
Compass, Magnetic. C. F. Ryland. No. 1,254,361; Jan. 22; v. 246; p. 928.
Compass, Magnetic. C. F. Ryland. No. 1,273,411; July 23; v. 252; p. 827.
Compass, Oval. J. H. C. Beisswenger. No. 1,286,507; Dec. 3; v. 257; p. 80.
Compass, Recording-. B. W. Benbow. No. 1,256,430; Feb. 12; v. 247; p. 426.
Compass, Shadow-dial. J. M. Fields. No. 1,270,505; June 25; v. 251; p. 752.
Compass, Telltale. R. Andrade-Lalama. No. 1,275,570; Aug. 13; v. 253; p. 368.
Compasses. M. Niéll. No. 1,275,979; Aug. 13; v. 253; p. 483.
Compasses, Drafting-. C. H. Grube. No. 1,279,537; Sept. 24; v. 254; p. 674.
Compasses. Extension-leg for. L. Price. No. 1,275,741; Aug. 13; v. 253; p. 417.
Compasses, Geometric. E. F. Wolthausen. No. 1,263,182; Apr. 16; v. 249; p. 678.
Compensating device. W. H. Biddle. No. 1,263,193; Apr. 16; v. 249; p. 681.
Compensating for differences of potentials, System for. H. M. Bascom. No. 1,287,831; Dec. 17; v. 257; p. 473.
Compensating meter. S. A. Reeve. No. 1,278,077; Sept. 3; v. 254; p. 203.
Composing and casting machine, Line. B. Cade. No. 1,257,185; Feb. 19; v. 247; p. 681.
Composing-machine sectional justification mechanism. J. S. Bancroft and M. C. Indahl. No. 1,283,624; Nov. 5; v. 256; p. 49.
Composing-machines, Justification-indicating mechanism for. J. S. Bancroft and J. O. Hofberg. No. 1,256,765; Feb. 19; v. 247; p. 559.

Composite board. P. J. Nagle. No. 1,283,421; Oct. 29; v. 255; p. 1026.
Composite machine element. O. Ohlson. No. 1,265,811; May 14; v. 250; p. 287.
Composite material, Making. D. J. O'Conor, Jr. No. 1,284,432; Nov. 12; p. 256; p. 290.
Composition containing phenolic condensation products. L. H. Baekeland. No. 1,259,472; Mar. 19; v. 248; p. 510.
Composition having a low freezing-point. G. E. Ferguson. No. 1,270,393; June 25; v. 251; p. 720.
Composition of matter. J. Becker. No. 1,256,864; Feb. 19; v. 247; p. 589.
Composition of matter. L. Haber. No. 1,281,156; Oct. 8; v. 255; p. 314.
Composition of matter. R. W. Prittie. No. 1,273,669; July 23; v. 252; p. 897.
Composition of matter. F. T. Schuller. No. 1,254,854; Jan. 29; v. 246; p. 1103.
Composition of matter. W. St. John. No. 1,268,404; June 4; v. 251; p. 96.
Composition of matter to resist wear and antiskid device embodying the same. H. P. Brown. No. 1,266,100; May 14; v. 250; p. 369.
Composition or pulp. U. Okazaki. No. 1,278,199; Sept. 10; v. 254; p. 261.
Compound meter. C. G. De Laval and R. Heimbecker. No. 1,251,484; Jan. 1; v. 246; p. 10.
Compress. H. A. Paine. No. 1,288,976; Dec. 24; v. 257; p. 778.
Compress, Cotton-. C. J. Luce. No. 1,261,043; Apr. 2; v. 249; p. 16.
Compressed-air engine. M. R. Billado. No. 1,281,490; Oct. 15; v. 255; p. 437.
Compressing machine, Material-. I. D. Vinton. No. 1,260,605; Mar. 26; v. 248; p. 871.
Compressing-machines, Safety controlling mechanism for. G. P. Carroll. No. 1,273,578; July 23; v. 252; p. 872.
Compressing-tool. H. O. Ewing. No. 1,267,393; May 28; v. 250; p. 784.
Compression apparatus for stopping blood circulation. H. Stöpler and J. Nord. No. 1,279,784; Sept. 24; v. 254; p. 746.
Compression-indicator. A. L. Lambeth. No. 1,286,033; Nov. 26; v. 256; p. 770.
Compression-machine. Rotary. W. Majewski. No. 1,272,073; July 9; v. 252; p. 405.
Compression-recorder. C. J. Zigler and W. P. Holden. No. 1,280,354; Oct. 1; v. 255; p. 68.
Compression-release. R. M. Hvid. No. 1,283,780; Nov. 5; v. 256; p. 89.
Compressor. L. F. Kristufek. No. 1,271,729; July 9; v. 252; p. 307.
Compressor and exhauster, Rotary. J. Johnston. No. 1,281,972; Oct. 15; v. 255; p. 565.
Compressor and vacuum-pump, Rotary. G. C. McFarlane. No. 1,278,700; Sept. 10; v. 254; p. 397.
Compressor, Centrifugal. L. C. Loewenstein. No. 1,262,527; Apr. 9; v. 249; p. 461.
Compressor, Centrifugal. W. J. McBride. No. 1,267,880; May 28; v. 250; p. 922.
Compressor, Centrifugal. E. H. McFarland. No. 1,263,448; Apr. 23; v. 249; p. 772.
Compressor, Centrifugal. R. H. Rice. No. 1,258,462; Mar. 5; v. 248; p. 149.
Compressor indicating and recording device. J. R. Brown. No. 1,256,655; Feb. 19; v. 247; p. 527.
Compressor plants, Operation of centrifugal-. B. Graemiger. No. 1,263,056; Apr. 16; v. 249; p. 641.
Compressor, Rotary. G. C. McFarlane. No. 1,262,533; Apr. 9; v. 249; p. 463.
Compressor-unloader regulator. A. E. Peters. No. 1,261,607; Apr. 2; v. 249; p. 174.
Compressor-unloading apparatus. W. H. Callan. No. 1,274,383; Aug. 6; v. 253; p. 10.
Compressor, Valve-spring. A. B. Lockhart. No. 1,266,285; May 14; v. 250; p. 420.
Compressors and exhausters, Governing mechanism for. S. A. Moss. No. 1,265,482; May 7; v. 250; p. 167.
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Computing and recording machine. S. F. Smith. No. 1,278,049; Sept. 3; v. 254; p. 195.
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Computing device. F. C. Church. No. 1,285,941; Nov. 26; v. 256; p. 747.
Computing device. G. H. Drake. No. 1,278,315; Sept. 10; v. 254; p. 293.
Computing device. D. M. Tuttle. No. 1,280,591; Oct. 1; v. 255; p. 133.
Computing-machine. H. T. Goss and J. W. Bryce. No. 1,284,188; Nov. 5; v. 256; p. 198.
Computing-machine. J. L. Herring. No. 1,263,244; Apr. 16; v. 249; p. 694.
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Concrete building-block. O. T. Hungerford. No. 1,275,432; Aug. 13; v. 253; p. 331.
Concrete building construction. S. Lake. No. 1,273,073; July 16; v. 252; p. 711.
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Condenser and making same. P. Thomas. No. 1,279,941; Sept. 24; v. 254; p. 792.
Condenser and operating same, Surface. P. A. Bancel. No. 1,268,074; May 28; v. 250; p. 974.
Condenser, Barometric. R. N. Ehrhart. No. 1,255,518; Feb. 5; v. 247; p. 117.
Condenser, Fume-. G. C. Richards. No. 1,272,528; July 16; v. 252; p. 557.
Condenser, Fume-. T. B. Stewart. No. 1,252,731; Jan. 8; v. 246; p. 407.
Condenser-support. K. Baumann. No. 1,277,830; Sept. 3; v. 254; p. 138.
Condenser, Surface. L. D. Lovekin. No. 1,264,195; Apr. 30; v. 249; p. 1009.
Condenser, Surface and jet. M. Leblanc. No. 1,261,409; Apr. 2; v. 249; p. 119.
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Condensing apparatus. G. J. Foran. No. 1,255,869; Feb. 12; v. 247; p. 259.
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Condiment-holder. F. E. Kaempf. No. 1,270,418; June 25; v. 251; p. 726.
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Control system. C. C. Whittaker. No. 1,260,613; Mar. 26; v. 248; p. 873.
Control system. C. C. Whittaker. No. 1,264,354; Apr. 30; v. 249; p. 1052.
Control system. C. C. Whittaker. No. 1,275,811; Aug. 13; v. 253; p. 436.
Control system. C. C. Whittaker. No. 1,281,730; Oct. 15; v. 255; p. 500.
Control system. F. E. Wynne. No. 1,289,346; Dec. 31; v. 257; p. 895.
Control, System and means of. F. H. Johnson. No. 1,258,013; Mar. 5; v. 248; p. 19.
Control system and method. R. E. Hellmund. No. 1,278,923; Sept. 17; v. 254; p. 486.
Control system for alternating-current motors. R. E. Hellmund. No. 1,251,660; Jan. 1; v. 246; p. 66.
Control system for fly-wheel motors. J. S. Peck and S. Eckmann. No. 1,251,688; Jan. 1; v. 246; p. 74.
Control system, Speed-. C. H. Woodward. No. 1,285,876; Nov. 26; v. 256; p. 732.
Controller. E. E. Brosius. No. 1,273,142; July 23; v. 252; p. 756.
Controller. A. J. Hall. No. 1,260,665; Mar. 26; v. 248; p. 888.
Controller. A. J. Horton. No. 1,269,183; June 11; v. 251; p. 331.
Controller. J. E. Lynch. No. 1,264,313; Apr. 30; v. 249; p. 1041.
Controller. K. A. Simmon and A. J. Hall. No. 1,267,919; May 28; v. 250; p. 933.
Controller. J. F. Tritle. No. 1,281,100; Oct. 8; v. 255; p. 297.
Controller, Automatic. G. E. Caglieri and H. Murray. No. 1,276,869; Aug. 27; v. 253; p. 796.
Controller, Automatic. G. B. Downs. No. 1,278,610; Sept. 10; v. 254; p. 371.
Controller, Automatic. H. W. Royce. No. 1,252,497; Jan. 8; v. 246; p. 339.
Controller, Automatic. G. C. Smith. No. 1,276,279; Aug. 20; v. 253; p. 597.
Controller, Automatic slow-down. C. T. Henderson. No. 1,282,828; Oct. 29; v. 255; p. 867.
Controller-regulator. E. W. Sundberg. No. 1,252,732; Jan. 8; v. 246; p. 407.
Controlling device. R. Caudron. No. 1,254,982; Jan. 29; v. 246; p. 1139.
Controlling device. H. Fouse. No. 1,285,663; Nov. 26; v. 256; p. 677.
Controlling device. N. H. Holland. No. 1,272,261; July 9; v. 252; p. 456.
Controlling device. L. A. Mapel. No. 1,265,933; May 14; v. 250; p. 322.
Controlling device. A. Roesch. No. 1,278,749; Sept. 10; v. 254; p. 409.
Controlling device. M. F. Schmitt. No. 1,256,381; Feb. 12; v. 247; p. 412.
Controlling device, Safety. H. J. Murray. No. 1,268,264; June 4; v. 251; p. 54.
Controlling device, Safety. H. J. Murray. No. 1,268,268; June 4; v. 251; p. 56.
Controlling means. H. V. J. Jouffret. No. 1,264,083; Apr. 23; v. 249; p. 945.
Controlling mechanism for the operation of machines and apparatus. G. ter Meer. No. 1,284,125; Nov. 5; v. 256; p. 182.
Controlling-spring for doors and the like. J. Lilly. No. 1,274,429; Aug. 6; v. 253; p. 25.

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Controlling-switch for synchronous motors, rotary converters, and synchronous rectifiers. J. K. Elderkin, Jr. No. 1,262,187; Apr. 9; v. 249; p. 368.
Controlling system. A. F. Dixon. No. 1,264,378; Apr. 30; v. 249; p. 1059.
Controlling system. D. L. Lindquist and C. B. Manville. No. 1,283,826; Nov. 5; v. 256; p. 102.
Converter and meter, Electric-energy. A. J. Bowie, Jr. No. 1,287,851; Dec. 17; v. 257; p. 477.
Converter, Double-pole rotary. J. Lassen la Cour. No. 1,263,437; Apr. 23; v. 249; p. 769.
Converter-lining. F. E. Hinners. No. 1,272,442; July 16; v. 252; p. 533.
Converter, Rotary. L. W. Chubb. No 1,257,977; Mar 5; v 248; p. 8.
Converter, Rotary. L. W. Chubb. No. 1,257,979; Mar. 5; v. 248; p. 9.
Converter, Rotary. L. D. Jones. No. 1,263,424; Apr. 23; v. 249; p. 764.
Converter, Rotary. W. C. Korthals-Altes. No. 1,263,436; Apr. 23; v. 249; p. 768.
Converter, Vacuum-type. W. T. Birdsall. No. 1,277,365; Sept. 3; v. 254; p. 8.
Converters, Automatic control of phase-. E. F. W. Alexanderson. (Reissue.) No. 14,510; Aug. 27; v. 253; p. 921.
Converters. Exciting system for phase-. R. E. Hellmund. No. 1,281,955; Oct. 15; v. 255; p. 561.
Converters, Starting three-phase, three-wire rotary. W. M. Dann and H. H. Rudd. No. 1,272,632; July 16; v. 252; p. 588.
Convertible bench. T. Bayard. No. 1,268,540; June 4; v. 251; p. 133.
Convertible body. R. S. Wyeth. No. 1,289,997; Dec. 31; v. 257; p. 1055.
Convertible chair. A. Faiella. No. 1,260,972; Mar. 26; v. 248; p. 972.
Convertible chair. W. H. Krum and J. E. Janousek. No. 1,268,979; June 11; v. 251; p. 275.
Convertible chair. J. J. Porter. No. 1,286,094; Nov. 26; v. 256; p. 784.
Convertible chair. G. S. Swingle. No. 1,279,064; Sept. 17; v. 254; p. 524.
Converting system. D. C. Davis. No. 1,274,691; Aug. 6; v. 253; p. 101.
Converting system. F. W. Meyer. No. 1,274,741; Aug. 6; v. 253; p. 114.
Conveyer. J. M. Alvey. No. 1,268,663; June 4; v. 251; p. 169.
Conveyer. A. Awischus. No. 1,256,971; Feb. 19; v. 247; p. 621.
Conveyer. G. Bernert. No. 1,264,601; Apr. 30; v. 249; p. 1123.
Conveyer. M. U. Bernheim. No. 1,280,950; Oct. 8; v. 255; p. 256.
Conveyer. J. T. Cowley. No. 1,276,724; Aug. 27; v. 253; p. 758.
Conveyer. E. H. Curtis, Jr. No. 1,263,943; Apr. 16; v. 249; p. 637.
Conveyer. G. Erdman. No. 1,269,588; June 18; v. 251; p. 474.
Conveyer. A. M. Gannaway. No. 1,252,425; Jan. 8; v. 246; p. 318.
Conveyer. A. B. Holley. No. 1,280,032; Sept. 24; v. 254; p. 817.
Conveyer. D. Jons, Jr. No. 1,274,556; Aug. 6; v. 253; p. 62.
Conveyer. E. B. Kerst and H. Bogaty. No. 1,288,427; Dec. 17; v. 257; p. 617.
Conveyer. W. F. Perkins. No. 1,279,579; Sept. 24; v. 254; p. 687.
Conveyer. W. Przednowek. No. 1,269,960; June 18; v. 251; p. 577.
Conveyer. J. W. Reno. No. 1,288,196; Dec. 17; v. 257; p. 564.
Conveyer. A. L. Shaw. No. 1,255,345; Feb. 5; v. 247; p. 66.
Conveyer. F. L. Stuart. No. 1,278,055; Sept. 3; v. 254; p. 197.
Conveyer. J. L. Wentz. No. 1,275,808; Aug. 13; v. 253; p. 435.
Conveyer. G. W. Younkman. No. 1,287,170; Dec. 10; v. 257; p. 278.
Conveyer, Belt. W. W. Stephens. No. 1,255,659; Feb. 5; v. 247; p. 158.
Conveyer, Belt. J. L. Wentz. No. 1,266,363; May 14; v. 250; p. 440.
Conveyer-belt carrier and tightening device for belts thereon. A. Anderson. No. 1,254,014; Jan. 22; v. 246; p. 829.
Conveyer, Brick-. C. Connor. No. 1,254,204; Jan. 22; v. 246; p. 883.
Conveyer conduits, Joint for steam-. J. A. Daviess. No. 1,278,869; Sept. 17; v. 254; p. 470.
Conveyer-conduits, Suction apparatus for. L. A. Griffin and L. C. Vanderlip. No. 1,271,567; July 9; v. 252; p. 261.
Conveyer, Endless. J. W. Reno. No. 1,255,339; Feb. 5; v. 247; p. 65.
Conveyer for comminuted material. A. G. Kinyon. No. 1,258,911; Mar. 12; v. 248; p. 318.
Conveyer for logs and the like. K. A. Stählnäcke No. 1,284,806; Nov. 12; v. 256; p. 382.
Conveyer-form. C. A. Swanson. No. 1,255,946; Feb. 12; v. 247; p. 281.
Conveyer, Japanning-. J. E. McBride. No. 1,277,617; Sept. 3; v. 254; p. 79.
Conveyer-lag. R. R. Smiley. No. 1,269,013; June 11; v. 251; p. 285.
Conveyer, Lumber-. R. F. Hugunin. No. 1,276,222; Aug. 20; v. 253; p. 582.
Conveyer mechanism. O. J., H., and H. Boos. No. 1,270,001; June 18; v. 251; p. 588.
Conveyer, Pneumatic. G. E. Lob. No. 1,280,780; Oct. 8; v. 255; p. 211.
Conveyer, Pneumatic. T. G. Thormodson. No. 1,259,949; Feb. 12; v. 247; p. 282.
Conveyer, Portable. E. H. Lichtenberg. No. 1,273,886; July 30; v. 252; p. 993.
Conveyer-rake and stacker. A. Czaja and J. Hareza. No. 1,262,756; Apr. 16; v. 249; p. 556.
Conveyer, Sanitary. T. Bemis, Sr. No. 1,255,977; Feb. 12; v. 247; p. 291.
Conveyer, Screw. W. Barnett and J. Florendine. No. 1,255,276; Feb. 5; v. 247; p. 46.
Conveyer, Spiral. A. L. Linville. No. 1,286,674; Dec. 3; v. 257; p. 119.
Conveyer-stop, Automatic. J. F. Kelly. No. 1,259,524; Mar. 19; v. 248; p. 525.
Conveyer, Variable-speed. C. A. Juengst. No. 1,271,906; July 9; v. 252; p. 355.
Conveyers and the like, Safety device for tray-. W. A. Marcy. No. 1,277,100; Aug. 27; v. 253; p. 857.
Conveyers, Carrier for belt. W. W. Stephens. No. 1,255,658; Feb. 5; v. 247; p. 157.
Conveyers or screens, Means for operating reciprocating. R. S. Jacobsen. No. 1,289,791; Dec. 31; v. 257; p. 1004.
Conveyers, Tray-discharge for. O. J., H., and H. Boos. No. 1,270,000; June 18; v. 251; p. 587.
Conveying and cleaning table. N. B. Janssen. No. 1,253,495; Jan. 15; v. 246; p. 661.
Conveying and distributing mechanism. S. Shafer, Jr. No. 1,267,341; May 21; v. 250; p. 742.
Conveying and loading apparatus. F. L. Stuart. No. 1,261,179; Apr. 2; v. 249; p. 53.
Conveying mechanism. M. U. Bernheim. No. 1,278,577; Sept. 10; v. 254; p. 362.
Conveying mechanism. H. M. Lane. No. 1,266,828; May 21; v. 250; p. 600.
Conveying mechanism. H. M. Lane. No. 1,274,900; Aug. 6; v. 253; p. 159.
Conveying or supplying mechanism. G. White. No. 1,266,734; May 21; v. 250; p. 574.
Conveying system. M. U. Bernheim. No. 1,278,426; Sept. 10; v. 254; p. 321.
Cooker. W. A. Beckett. No. 1,275,203; Aug. 13; v. 253; p. 268.
Cooker. A. M. Demuth. No. 1,258,994; Mar. 12; v. 248; p. 343.
Cooker. A. M. Demuth. No. 1,258,995; Mar. 12; v. 248; p. 343.
Cooker. A. Johnson. No. 1,275,040; Aug. 6; v. 253; p. 198.
Cooker, Camp-. F. Hanson. No. 1,266,588; May 21; v. 250; p. 532.
Cooker, Fireless. P. R. Chamberlen. No. 1,275,222; Aug. 13; v. 253; p. 273.
Cooker, Fireless. H. Mock. No. 1,273,645; July 23; v. 252; p. 891.
Cooker, Fireless. R. B. Sutter. No. 1,283,960; Nov. 5; v. 256; p. 137.
Cooker, Heat-retaining. F. V. Detwiler. No. 1,260,257; Mar. 19; v. 248; p. 734.
Cooker, Macaroni-. F. Zurkowski. No. 1,258,224; Mar. 5; v. 248; p. 80.
Cooker, Steam-. A. M. Iamonaco. No. 1,272,046; July 9; v. 252; p. 396.
Cooker, Steam-pressure. W. C. Ferris. No. 1,273,347; July 23; v. 252; p. 810.
Cooker, Syrup-. O. M. Nelson. No. 1,264,839; Apr. 30; v. 249; p. 1186.
Cookers, Gate-controlling device for. R. A. Trace. No. 1,254,745; Jan. 29; v. 246; p. 1068.
Cooking apparatus. J. S. Baker. No. 1,252,217; Jan. 1; v. 246; p. 225.
Cooking apparatus. F. V. Detwiler. No. 1,270,386; June 25; v. 251; p. 718.
Cooking apparatus. W. R. Jeavons. No. 1,271,168; July 2; v. 252; p. 117.
Cooking apparatus. A. S. Rice. No 1,263,804; Apr. 23; v. 249; p. 867.
Cooking apparatus. A. S. Rice. No. 1,263,805; Apr. 23; v. 249; p. 867.
Cooking apparatus. W. F. Roos. No. 1,279,005; Sept. 17; v. 254; p. 508.
Cooking apparatus. A. I. Thrun. No. 1,254,376; Jan. 22; v. 246; p. 933.
Cooking apparatus, Electrical. J. F. Lamb. No. 1,259,417; Mar. 12; v. 248; p. 462.
Cooking apparatus, Portable. I. C. Popper. No. 1,260,798; Mar. 26; v. 248; p. 926.
Cooking canned vegetables, Apparatus for. J. Brakeley. No. 1,266,204; May 14; v. 250; p. 398.

Cooking, Cruller-. F. L. Bradbury. No. 1,266,912; May 21; v. 250; p. 623.
Cooking device, Electrically-heated. C. C. Armstrong. No. 1,263,359; Apr. 23; v. 249; p. 745.
Cooking device, Low-temperature. O. M. Wolff. No. 1,279,205; Sept. 17; v. 254; p. 560.
Cooking-fork. W. H. Johnson. No. 1,265,087; May 7; v. 250; p. 61.
Cooking-table, Sanitary. L. K. Laursen. No. 1,263,683; Apr. 23; v. 249; p. 835.
Cooking utensil. E. L. Albro. No. 1,254,384; Jan. 22; v. 246; p. 935.
Cooking utensil. B. W. Allis. No. 1,273,119; July 23; v. 252; p. 749.
Cooking utensil. A. E. Ayres and J. J. Donley. No. 1,288,799; Dec. 24; v. 257; p. 736.
Cooking utensil. P. H. Butler. No. 1,268,677; June 4; v. 251; p. 172.
Cooking utensil. H. Freeon. No. 1,284,299; Nov. 12; v. 256; p. 256.
Cooking utensil. M. B. George. No. 1,276,749; Aug. 27; v. 253; p. 765.
Cooking utensil. O. Haselan. No. 1,277,579; Sept. 3; v. 254; p. 68.
Cooking utensil. C. R. Kinnie. No. 1,266,816; May 21; v. 250; p. 597.
Cooking utensil. A. Nelson. No. 1,288,650; Dec. 24; v. 257; p. 701.
Cooking utensil. H. A. Paquette. No. 1,260,794; Mar. 26; v. 248; p. 925.
Cooking utensil. D. N. Paschal. No. 1,277,253; Aug. 27; v. 253; p. 897.
Cooking utensil. G. W. Probst. No. 1,275,598; Aug. 13; v. 253; p. 375.
Cooking utensil. W. C. Schwab. No. 1,275,611; Aug. 13; v. 253; p. 379.
Cooking utensil. P. M. Wildy. No. 1,259,183; Mar. 12; v. 248; p. 397.
Cooking-utensil attachment. C. M. West. No. 1,261,878; Apr. 9; v. 249; p. 282.
Cooking utensil, Combination. J. D. Dunn. No. 1,288,533; Dec. 24; v. 257; p. 672.
Cooking-utensil lifter. W. H. Tucker. No. 1,254,551; Jan. 22; v. 246; p. 983.
Cooking vessel. C. E. Clayton. No. 1,272,222; July 9; v. 252; p. 445.
Cooking vessel. O. Tollagsen. No. 1,263,004; Apr. 16; v. 249; p. 626.
Cooking-vessel attachment. T. H. Caskey, Jr. No. 1,253,146; Jan. 8; v. 246; p. 529.
Cooking-vessel cover. L. Mazzuca. No. 1,288,644; Dec. 24; v. 257; p. 699.
Cooking vessel, Electrically-heated. H. C. Causton. No. 1,273,821; July 30; v. 252; p. 974.
Cooler: *See*—
Beverage-cooler.
Hat-box cooler.
Liquid-cooler.
Internal regenerative cooler.
Milk-cooler.
Soap-cooler.
Starch-cooler.
Cooler. E. E. Kendall. No. 1,262,807; Apr. 16; v. 249; p. 571.
Cooler. E. M. Pennock. No. 1,283,885; Nov. 5; v. 256; p. 119.
Cooler. F. A. Phillippi. No. 1,286,764; Dec. 3; v. 257; p. 138.
Cooler adapted for use as a radiator or condenser. H. R. Guyot. No. 1,256,998; Feb. 19; v. 247; p. 629.
Cooler or refrigerator. L. M. Rader and D. S. Gould. No. 1,258,457; Mar. 5; v. 248; p. 148.
Cooling and car-heating system, Combined. J. A. Kernohan. No. 1,282,590; Oct. 22; v. 255; p. 773.
Cooling apparatus. R. E. Bechtold and A. W. Mellowes. No. 1,276,612; Aug. 20; v. 253; p. 691.
Cooling apparatus, Saturating element for. C. W. Davis. No. 1,286,550; Dec. 3; v. 257; p. 90.
Cooling-machine. A. M. Gray. No. 1,286,880; Dec. 3; v. 257; p. 165.
Cooling system. D. C. Davis. No. 1,259,371; Mar. 12; v. 248; p. 449.
Cooling system. N. M. La Porte. No. 1,277,735; Sept. 3; v. 254; p. 112.
Cooling system. W. W. Muir. No. 1,252,927; Jan. 8; v. 246; p. 462.
Cooling system. W. W. Muir. (Reissue.) No. 14,508; Aug. 20; v. 253; p. 716.
Cooling system. C. White. No. 1,277,512; Sept. 3; v. 254; p. 50.
Cooling-tower. E. Burhorn. No. 1,252,774; Jan. 8; v. 246; p. 420.
Coop. J. C. Peifer. No. 1,258,448; Mar. 5; v. 248; p. 146.
Coop, Collapsible poultry-. T. J. Cagle. No. 1,260,141; Mar. 19; v. 248; p. 700.
Coop, Folding. G. D. Godwin. No. 1,259,848; Mar. 19; v. 248; p. 618.
Coop, Folding. J. G. Randall. No. 1,284,452; Nov. 12; v. 256; p. 295.
Coop, Folding poultry-. F. M. Ogle. No. 1,267,585; May 28; v. 250; p. 837.
Coop for poultry, Separator-. M. J. McCarthy. No. 1,272,823; July 16; v. 252; p. 643.
Coop, Poultry-. G. Collis. No. 1,276,723; Aug. 27; v. 253; p. 758.
Coop, Poultry-. G. A. McGahan. No. 1,253,067; Jan. 8; v. 246; p. 506.
Coop, Poultry-. J. G. Sheridan. No. 1,287,469; Dec. 10; v. 257; p. 351.
Coop, Poultry-feeding. D. L. Quinn. No. 1,255,834; Feb. 5; v. 247; p. 208.
Copper and other metals, Apparatus for the electrolytic production of. M. Perreur-Lloyd. No. 1,262,248; Apr. 9; v. 249; p. 384.
Copper compounds of substantive orthooxyazo dyestuff, Producing on the fibers new. E. Anderwert, H. Fritzsche, and H. Schobel. No. 1,276,307; Aug. 20; v. 253; p. 605.
Copper for various purposes, Treatment of. W. T. Howard. No. 1,257,943; Feb. 26; v. 247; p. 939.
Copper from acid solutions, Electrolytic deposition of. F. E. Studt. No. 1,260,830; Mar. 26; v. 248; p. 935.
Copper from its ores, Extracting. E. Anderson. No. 1,263,727; Apr. 23; v. 249; p. 846.
Copper from its ores, Extraction of. H. W. Morse. No. 1,288,121; Dec. 17; v. 257; p. 545.
Copper from ores and ore products, Recovering. G. N. Kirsebom. No. 1,286,652; Dec. 3; v. 257; p. 114.
Copper ores by lixiviation, Treating. N. C. Christensen. No. 1,278,854; Sept. 17; v. 254; p. 466.
Copper ores by sulfitization and flotation, Treating. N. C. Christensen. No. 1,286,532; Dec. 3; v. 257; p. 86.
Copper ores, Leaching. A. W. Hahn. No. 1,282,415; Oct. 22; v. 255; p. 726.
Copper ores, Treatment of. A. A. Lockwood. No. 1,282,892; Oct. 29; v. 255; p. 885.
Copper, Producing commercially-pure. C. S. Bradley. No. 1,275,374; Aug. 13; v. 253; p. 315.
Copy-holder. A. J. Beaton. No. 1,264,598; Apr. 30; v. 249; p. 1122.
Copy-holder. G. C. Beidler. No. 1,254,195; Jan. 22; v. 246; p. 880.
Copy-holder. G. C. Beidler. No. 1,267,358; May 28; v. 250; p. 774.
Copy-holder. T. H. Bishop. No. 1,262,626; Apr. 16; v. 249; p. 519.
Copy-holder. C. Englert. No. 1,289,137; Dec. 31; v. 257; p. 843.
Copy-holder. C. Englert. No. 1,289,138; Dec. 31; v. 257; p. 843.
Copy-holder. E. T. Gibson. No. 1,284,889; Nov. 12; v. 256; p. 404.
Copy-holder. J. W. McCann. No. 1,278,488; Sept. 10; v. 254; p. 337.
Copy-holder. T. E. Milles. No. 1,286,053; Nov. 26; v. 256; p. 775.
Copy-holder. E. L. Perry. No. 1,256,253; Feb. 12; v. 247; p. 373.
Copy-holder. R. A. Punnett. No. 1,266,622; May 21; v. 250; p. 543.
Copy-holder. F. G. Yawman. No. 1,262,728; Apr. 16; v. 249; p. 548.
Copy-holder. F. G. Yawman. No. 1,262,729; Apr. 16; v. 249; p. 549.
Copy-holder, Adjustable. A. H. Sherwood. No. 1,265,396; May 7; v. 250; p. 144.
Copy-holders, Work-holder for. F. G. Yawman. No. 1,261,888; Apr. 9; v. 249; p. 285.
Copying device. A. M. Barrett. No. 1,273,131; July 23; v. 252; p. 752.
Copying-machine. C. W. Jean. No. 1,281,780; Oct. 15; v. 255; p. 514.
Copying-machine. C. W. Jean. No. 1,281,782; Oct. 15; v. 255; p. 514.
Copying machine, Multiple-. J. J. Flanigan. No. 1,272,787; July 16; v. 252; p. 631.
Copying machine, Multiple-. J. J. Flanigan. No. 1,272,788; July 16; v. 252; p. 632.
Copyist's line-guide. S. Strong. No. 1,253,905; Jan. 15; v. 246; p. 778.
Cord-adjuster. L. L. Kell. No. 1,272,272; July 9; v. 252; p. 459.
Cord attachment. J. T. Allmand. No. 1,263,725; Apr. 23; v. 249; p. 846.
Cord-circuits, Universal. A. J. Carter. No. 1,280,395; Oct. 1; v. 255; p. 78.
Cord-fastener. S. J. Hill. No. 1,270,030; June 18; v. 251; p. 596.
Cord-fastening hook. A. F. Kaufman. No. 1,281,584; Oct. 15; v. 255; p. 462.
Cord-holder. R. A. Phillips. No. 1,252,300; Jan. 1; v. 246; p. 248.
Cord, Machine for making hollow. J. D. Tew. No. 1,261,317; Apr. 2; v. 249; p. 93.
Cord sending-machine cut-in, Detachable. C. M. Holmes. No. 1,252,570; Jan. 8; v. 246; p. 361.
Cord-terminal. A. E. Francis. No. 1,266,114; May 14; v. 250; p. 374.
Cord, thread, yarn, and the like, Holder for. W. C. Demmien. No. 1,256,443; Feb. 12; v. 247; p. 430.
Cord tying and fastening device. F. A. Ryther. No. 1,257,027; Feb. 19; v. 247; p. 638.
Cords and ropes, Machinery for the manufacture of laid. J. Gill. No. 1,269,533; June 11; v. 251; p. 427.

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Cords, Machine for attaching fasteners to. W. A. Gibbs. No. 1,278,138; Sept. 10; v. 254; p. 245.
Core. C. F. Ames. No. 1,279,214; Sept. 17; v. 254; p. 562.
Core. V. L. Cox. No. 1,274,858; Aug. 6; v. 253; p. 147.
Core. D. J. Reily and A. De Mattei. No. 1,286,106; Nov. 26; v. 256; p. 787.
Core and making same. J. P. Elliott. No. 1,285,081; Nov. 19; v. 256; p. 492.
Core-cleaning machine. W. C Stevens. No. 1,283,948; Nov. 5; v. 256; p. 134.
Core, Collapsible. C. Stein. No. 1,275,491; Aug. 13; v. 253; p. 346.
Core, Collapsible. G. H. Lewis. No. 1,281,600; Oct. 15; v. 255; p. 466.
Core, Collapsible. F. B. Converse. No. 1,281,522; Oct. 15; v. 255; p. 446.
Core-discharge apparatus. R. E. Carmichael. No. 1,280,159; Oct. 1; v. 255; p. 12.
Core-drill. R. O. Pickin. No. 1,254,268; Jan. 22; v. 246; p. 901.
Core-making apparatus. D. J. Ryan. No. 1,255,467; Feb. 5; v. 247; p. 102.
Core-making machine. C. J. Michels. No. 1,282,099; Oct. 22; v. 255; p. 639.
Core-making machine. C. E. Tepper. No. 1,269,230; June 11; v. 251; p. 345.
Core-removing apparatus. W. T. Dunn. No. 1,283,702; Nov. 5; v. 256; p. 70.
Cores, Manufacturing collapsible. T. Midgley, Sr. No. 1,284,414; Nov. 12; v. 256; p. 286.
Cores, Producing collapsible. T. Midgley, Sr. and Jr. No. 1,289,223; Dec. 31; v. 257; p. 864.
Corer, Apple-. R. W. Riordan. No. 1,272,107; July 9; v. 252; p. 414.
Corers, Mechanical movement for apple-. H. Sharp. No. 1,259,145; Mar. 12; v. 248; p. 387.
Coring-tool. H. G. Miller. No. 1,270,040; June 18; v. 251; p. 598.
Cork and the like, Machine for uniting sections of. A. M. Tozzi. No. 1,274,216; July 30; v. 252; p. 1087.
Cork article and making same. H. F. Busch. No. 1,263,849; Apr. 23; v. 249; p. 880.
Cork-blocking machine. E. Alberti, M. Caritj, and G. La Femina. No. 1,267,311; May 21; v. 250; p. 733.
Cork-cutting machine. E. Alberti. No. 1,261,672; Apr. 2; v. 249; p. 193.
Cork-disk-cutting machines, Screening attachment for. E. Alberti. No. 1,257,171; Feb. 19; v. 247; p. 677.
Cork-extractor. R. Conwell. No. 1,274,008; July 30; v. 252; p. 1027.
Cork-extractor. F. M. Gaynor. No. 1,265,320; May 7; v. 250; p. 122.
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Cork-making machines, Feeding attachment for crown-. E. Alberti. No. 1,289,591; Dec. 31; v. 257; p. 956.
Cork-making machines, Feeding attachment for crown-. A. Bogdánffy. No. 1,273,723; July 23; v. 252; p. 909.
Cork-puller. F. C. Crowe and B. H. De Haven. No. 1,275,228; Aug. 13; v. 253; p. 275.
Cork-puller. J. W. Moser. No. 1,281,631; Oct. 15; v. 255; p. 473.
Cork-puller. A. A. Yates. No. 1,285,544; Nov. 19; v. 256; p. 607.
Cork-shell-cutting machine. G. La Femina. No. 1,261,559; Apr. 2; v. 249; p. 162.
Cork, Wood-top. E. Alberti. No. 1,273,118; July 23; v. 252; p. 749.
Corks and similar closures, Machine for removing sealing-disks from crown-. O. Rasmussen and E. Alberti. No. 1,276,267; Aug. 20; v. 253; p. 594.
Corkscrew and bottle-opener. G. Brown. No. 1,273,026, July 16; v. 252; p. 699.
Corn apparatus, Grader for pop-. C. Cretors. No. 1,279,518; Sept. 24; v. 254; p. 669.
Corn-buttering device. G. P. Wern. No. 1,253,917; Jan. 15; v. 246; p. 781.
Corn-crib. C. C. Christopher, G. L. Keith, J. E. Allsteadt, E. D. Einsel, and C. G. Pelander. No. 1,268,435; June 4; v. 251; p. 104.
Corn-cribs and the like, Ventilator for. A. A. Fair. No. 1,286,265; Dec. 3; v. 257; p. 20.
Corn-cutter. W. T. Campbell. No. 1,276,324; Aug. 20; v. 253; p. 609.
Corn-cutter. L. Febre. No. 1,285,090; Nov. 19; v. 256; p. 494.
Corn-cutter, Double-row. W. L. Briggs. No. 1,252,880; Jan. 8; v. 246; p. 448.
Corn-cutting machine. W. B. Fenn. No. 1,282,789; Oct. 29; v. 255; p. 856.
Corn drier, Seed-. H. Bullerdick. No. 1,274,849; Aug. 6; v. 253; p. 145.
Corn drier, Seed-. J. Hesse. No. 1,258,217; Mar. 5; v. 248; p. 78.
Corn drier, Seed-. O. G. Vold. No. 1,254,378; Jan. 22; v. 246; p. 933.
Corn from the cob, Machine for cutting green. W. B. Fenn. No. 1,282,791; Oct. 29; v. 255; p. 857.
Corn from the cob, Machine for cutting green. W. B. Fenn. No. 1,282,792; Oct. 29; v. 255; p. 857.
Corn from the cob, Machine for removing. W. B. Fenn. No. 1,282,788; Oct. 29; v. 255; p. 856.
Corn grader and separator. J. A. Worsham. No. 1,262,423; Apr. 9; v. 249; p. 433.
Corn hanger, Seed-. W. P. Negus. No. 1,255,776; Feb. 5; v. 247; p. 192.
Corn-header. J. H. Covel. No. 1,256,776; Feb. 19; v. 247; p. 562.
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Corn header, Kafir-. L. D. Coulter. No. 1,280,671; Oct. 8; v. 255; p. 180.
Corn header, Kafir-. E. L. Koon. No. 1,267,559; May 28; v. 250; p. 830.
Corn header, Kafir-. E. H. Turner. No. 1,252,631; Jan. 8; v. 246; p. 378.
Corn header, Kafir-. H. B. Worley. No. 1,260,116; Mar. 19; v. 248; p. 694.
Corn-husker. H. J. Hahn. No. 1,268,345; June 4; v. 251; p. 78.
Corn-husker. L. and N. Hewit. No. 1,261,529; Apr. 2; v. 249; p. 152.
Corn-husker. G. B. Locer. No. 1,253,611; Jan. 15; v. 246; p. 694.
Corn-husker. G. L. Miller. No. 1,253,508; Jan. 15; v. 246; p. 668.
Corn-husker. F. E. Swisher. No. 1,252,734; Jan. 8; v. 246; p. 408.
Corn-husking machine. S. German. No. 1,273,355; July 23; v. 252; p. 812.
Corn-husking machine. N. Mikelson. No. 1,274,432; Aug. 6; v. 253; p. 26.
Corn-husking machine. S. E. and W. W. Morral. No. 1,283,541; Nov. 5; v. 256; p. 27.
Corn-husking machine. W. H. Sells. No. 1,281,081; Oct. 8; v. 255; p. 292.
Corn-husking machines, Butt-remover for. W. H. Sells. No. 1,280,317; Oct. 1; v. 255; p. 57.
Corn-knife. R. Walker. No. 1,279,047; Sept. 17; v. 254; p. 519.
Corn, Machine for removing butt-ends of ears of. W. H. Sells and C. A. Hoy. No. 1,281,082; Oct. 8; v. 255; p. 292.
Corn, Machine for stringing seed-. R. Thompson. No. 1,252,200; Jan. 1; v. 246; p. 220.
Corn, Obtaining proteid matter from. J. Takamine and S. Satow. No. 1,275,324; Aug. 13; v. 253; p. 301.
Corn or grain knife. T. B. Holliday. No. 1,252,803; Jan. 8; v. 246; p. 427.
Corn-pads, Machine for cutting. J. J. Lepper. No. 1,269,619; June 18; v. 251; p. 484.
Corn picking and husking machine. H. Godbersen. No. 1,275,557; Aug. 13; v. 253; p. 363.
Corn picking and husking machine. M. Van Omme. No. 1,272,733; July 16; v. 252; p. 617.
Corn-popping apparatus. C. Cretors. No. 1,279,663; Sept. 24; v. 254; p. 711.
Corn-popping apparatus, Charging mechanism for. C. Cretors. No. 1,279,517; Sept. 24; v. 254; p. 669.
Corn-popping machine. D. H. Talbert and C. W. Carter. No. 1,272,725; July 16; v. 252; p. 614.
Corn-sampling machine, Seed-. C. E. Clark. No. 1,276,328; Aug. 20; v. 253; p. 610.
Corn-sheller. L. E. Gaisser. No. 1,266,248; May 14; v. 250; p. 410.
Corn-shelling plate. F. H. Ohland. No. 1,289,527; Dec. 31; v. 257; p. 940.
Corn-shock sling. G. H. Caley. No. 1,257,458; Feb. 26; v. 247; p. 796.
Corn-shocks, Compressing device for. J. M. Schebler. No. 1,277,759; Sept. 3; v. 254; p. 120.
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Corn-shredders, Feeder for. B. W. White. No. 1,254,953; Jan. 29; v. 246; p. 1131.
Corn stripping and husking machine. D. Godoy. No. 1,258,669; Mar. 12; v. 248; p. 250.
Corn-tester. L. C. Hartsock. No. 1,287,586; Dec. 10; v. 257; p. 380.
Corn, Treating. A. Woolner, Jr. No. 1,258,076; Mar. 5; v. 248; p. 37.
Corn-uncoverer. O. G. Opalka. No. 1,289,884; Dec. 31; v. 257; p. 1027.
Cornstalk cutter and loader. J. E. Doremire. No. 1,280,686; Oct. 8; v. 255; p. 185.
Cornstalk cutter and loader. L. L. Leonard. No. 1,273,240; July 23; v. 252; p. 782.
Cornstalk-rake. W. Frost. No. 1,276,205; Aug. 20; v. 253; p. 578.
Corner-bar. G. C. Hester. No. 1,278,343; Sept. 10; v. 254; p. 300.
Corner-bead. N. E. Clark. No. 1,257,980; Mar. 5; v. 248; p. 9.
Corner-bead. N. E. Clark. No. 1,288,512; Dec. 24; v. 257; p. 666.
Corner-bead. W. H. Klauer. No. 1,264,812; Apr. 30; v. 249; p. 1178.
Corner drill, Close-. F. A. Jimerson. No. 1,255,316; Feb. 5; v. 247; p. 57.
Corner-fastening. A. P. Cochrane. No. 1,283,079; Oct. 29; v. 255; p. 936.

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Corner-lock for take-down frames. F. Kusterlee. No. 1,279,366; Sept. 17; v. 254; p. 605.
Corner reinforcement and protector. C. H. Jabelonsky. No. 1,273,612; July 23; v. 252; p. 882.
Cornet. H. N. White. No. 1,277,012; Aug. 27; v. 253; p. 833.
Cornet. H. N. White. No. 1,277,013; Aug. 27; v. 253; p. 834.
Cornet or trumpet mouthpiece. E. P. Mertes. No. 1,264,673; Apr. 30; v. 249; p. 1142.
Cornice-mold. P. Zappile. No. 1,265,860; May 14; v. 250; p. 302.
Cornice sprinkler-head. C. W. Mowry. No. 1,288,123; Dec. 17; v. 257; p. 546.
Corrugating-machine. G. W. Swift, Jr. No. 1,263,000; Apr. 16; v. 249; p. 625.
Corrugating material, Machine for. E. R. Lochman. No. 1,263,577; Apr. 23; v. 249; p. 807.
Corset. D. S. Berger. No. 1,257,066; Feb. 19; v. 247; p. 648.
Corset. L. A. Cirillo. No. 1,273,739; July 23; v. 252; p. 913.
Corset. J. L. Holt. No. 1,283,188; Oct. 29; v. 255; p. 965.
Corset. J. Leopold and M. Beberfeld. No. 1,282,441; Oct. 22; v. 255; p. 733.
Corset. A. Malsin. No. 1,272,830; July 16; v. 252; p. 645.
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Corset. T. F. Somers. No. 1,256,603; Feb. 19; v. 247; p. 512.
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Corset and corset-steel therefor, Washable. Y. Saynisch, No. 1,258,149; Mar. 5; v. 248; p. 58.
Corset and corset-steel, Washable. Y. Saynisch. No. 1,258,148; Mar. 5; v. 248; p. 58.
Corset and like stiffener. F. Kleemann. No. 1,276,700; Aug. 20; v. 253; p. 713.
Corset, Apparel-. D. Kops. No. 1,253,053; Jan. 8; v. 246; p. 502.
Corset, Apparel-. D. Kops. No. 1,254,512; Jan. 22; v. 246; p. 971.
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Corset, Apparel-. D. Kops. No. 1,260,211; Mar. 19; v. 248; p. 720.
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Corset attachment. S. E. McCreary. No. 1,258,026; Mar. 5; v. 248; p. 24.
Corset belt or girdle. L. A. Walker. No. 1,256,850; Feb. 19; v. 247; p. 584.
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Corset-clasp. A. Malsin. No. 1,272,831; July 16; v. 252; p. 645.
Corset-cover and brassière, Combined. F. L. James. No. 1,254,043; Jan. 22; v. 246; p. 837.
Corset for soldiers. E. Márx. No. 1,282,098; Oct. 22; v. 255; p. 639.
Corset, Front-lace. S. J. Newman. No. 1,256,358; Feb. 12; v. 247; p. 405.
Corset-holder. S. E. Smith. No. 1,281,680; Oct. 15; v. 255; p. 486.
Corset, Maternity-. E. Grace. No. 1,267,657; May 28; v. 250; p. 858.
Corset of the girdle type. R. J. Wright. No. 1,256,630; Feb. 19; v. 247; p. 520.
Corset-pattern system. A. C. McClaughry. No. 1,256,029; Feb. 12; v. 247; p. 305.
Corset, Reducing-. G. E. Schenck. No. 1,274,457; Aug. 6; v. 253; p. 33.
Corset-retainer and hose-supporter. J. L. Edwards. No. 1,276,504; Aug. 20; v. 253; p. 661.
Corset-stay. E. I. Worrest. No. 1,284,531; Nov. 12; v. 256; p. 314.
Corset-stay units, Machine for making. W. Kops and S. Cooper. No. 1,259,414; Mar. 12; v. 248; p. 461.
Corset-stays, Making soft-top. H. A. Keller. No. 1,260,395; Mar. 26; v. 248; p. 809.
Corset-steel fastener, Adjustable. S. S. Eccleston. No. 1,259,217; Mar. 12; v. 248; p. 405.
Corset steels and bones, Protector for. A. D. Hallenbeck. No. 1,255,413; Feb. 5; v. 247; p. 87.
Corset-strap, Detachable self-adjusting. J. H. Auerbach. No. 1,271,259; July 2; v. 252; p. 143.
Corsets of artificial limbs, Clasp for the. A. Forster. No. 1,277,208; Aug. 27; v. 253; p. 887.
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Corsets, Ventilating-section for. R. F. Beardsley. No. 1,252,991; Jan. 8; v. 246; p. 483.
Costmeter equipment. J. T. Quigley. No. 1,254,537; Jan. 22; v. 246; p. 978.
Costumer and wardrobe, Combined. A. H. Haney. No. 1,268,346; June 4; v. 251; p. 78.
Costuming apparatus. E. E. Hartman. No. 1,277,720; Sept. 3; v. 254; p. 108.
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Cot, Chair-. J. E. Griffith. No. 1,271,701; July 9; v. 252; p. 299.
Cot, Collapsible. C. M. Baldwin. No. 1,261,893; Apr. 9; v. 249; p. 286.
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Cot, Collapsible. P. H. Peterson. No. 1,269,641; June 18; v. 251; p. 490.
Cot, Collapsible double. M. Rasmussen. No. 1,258,243; Mar. 5; v. 248; p. 85.
Cot, Folding. A. N. Clough. No. 1,263,040; Apr. 16; v. 249; p. 636.
Cot, Folding. A. N. and C. W. Clough. No. 1,276,033; Aug. 20; v. 253; p. 528.
Cot, Folding. R. Coopersmith. No. 1,270,790; July 2; v. 252; p. 9.
Cot, Folding. M. Lowy. No. 1,263,911; Apr. 23; v. 249; p. 898.
Cot, Folding. I. S. Purcell. No. 1,262,600; Apr. 9; v. 249; p. 483.
Cot, Folding. I. S. Purcell. No. 1,285,790; Nov. 26; v. 256; p. 710.
Cot, Folding. G. R. Stine. No. 1,257,041; Feb. 19; v. 247; p. 641.
Cot, Folding. E. J. Wheeler. No. 1,265,848; May 14; v. 250; p. 298.
Cot for vehicles, Child's. J. J. Zofsak. No. 1,265,157; May 7; v. 250; p. 79.
Cot, Knockdown. F. H. Zendt. No. 1,263,509; Apr. 23; v. 249; p. 789.
Cot or stretcher. R. S. Freedman and H. H. Gottstein. No. 1,256,219; Feb. 12; v. 247; p. 364.
Cot, Suspended. J. H. Wittmann. No. 1,278,276; Sept. 10; v. 254; p. 283.
Cots, Mosquito-net support for. F. B. Panganiban. No. 1,254,529; Jan. 22; v. 246; p. 976.
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Cotter-pin-extracting wheel. E. Kepner. No. 1,258,016; Mar. 5; v. 248; p. 20.
Cotter-pin extractor. I. C. Rathbun. No. 1,252,840; Jan. 8; v. 246; p. 437.
Cotter-pin puller. O. Hampell. No. 1,258,674; Mar. 12; v. 248; p. 251.
Cotton and like material, Machine for cleaning. J. O'Connell. No. 1,284,922; Nov. 12; v. 256; p. 413.
Cotton and sugar-beet chopper. W. A. Carte. No. 1,283,664; Nov. 5; v. 256; p. 60.
Cotton-boll puller. J. K. Rodocker and R. L. Butcher. No. 1,263,935; Apr. 23; v. 249; p. 906.
Cotton-bolls, Process and apparatus for treating frost-bitten or immature. J. C. Patterson. No. 1,259,661; Mar. 19; v. 248; p. 562.
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Cotton-chopper. J. H. Dwight. No. 1,284,075; Nov. 5; v. 256; p. 169.
Cotton-chopper. W. R. Felker and J. Ford. No. 1,254,999; Jan. 29; v. 246; p. 1142.
Cotton-chopper. M. A. Jones. No. 1,258,340; Mar. 5; v. 248; p. 113.
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Cotton-chopper. O. L. Sutton. No. 1,254,548; Jan. 22; v. 246; p. 982.
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Cotton chopper and cultivator. E. F. Yanger. No. 1,258,295; Mar. 5; v. 248; p. 100.
Cotton-chopper-tool-lifting mechanism. A. R. East. No. 1,252,674; Jan. 8; v. 246; p. 391.
Cotton-chopping machine. C. C. Dotson. No. 1,282,776; Oct. 29; v. 255; p. 852.
Cotton, Classification and grading of. L. A. Greene. No. 1,286,589; Dec. 3; v. 257; p. 99.
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Cotton-cleaning apparatus. J. A. Streun. No. 1,256,742; Feb. 19; v. 247; p. 552.
Cotton-cleaning device. A. A. Gwaltney. No. 1,257,851; Feb. 26; v. 247; p. 913.
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Cotton fabrics, Treatment of. O. Klauser. No. 1,258,225; Mar. 5; v. 248; p. 80.

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Cotton from the plant, Machine for picking. H. L. Fisher. No. 1,262,030; Apr. 9; v. 249; p. 323.
Cotton-gin. S. F. Krupp. No. 1,266,826; May 21; v. 250; p. 600.
Cotton-gin. M. W. Marsden. No. 1,265,470; May 7; v. 250; p. 164.
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Cotton-gun, Pneumatic. C. L. Saunders. No. 1,280,863; Oct. 8; v. 255; p. 234.
Cotton-hull extractor. W. S. Smith. No. 1,257,543; Feb. 26; v. 247; p. 823.
Cotton, Imparting a transparent appearance to. E. Heberlein. No. 1,265,082; May 7; v. 250; p. 59.
Cotton material with white-effect threads and making it. H. Walther. No. 1,270,348; June 25; v. 251; p. 708.
Cotton or other materials, Apparatus for distributing. C. E. Riley. No. 1,251,580; Jan. 1; v. 246; p. 41.
Cotton-picker. B. Johnson. No. 1,252,578; Jan. 8; v. 246; p. 363.
Cotton-picker. J. B. Neil. No. 1,252,016; Jan. 1; v. 246; p. 169.
Cotton-picker. T. M. Olson. No. 1,283,277; Oct. 29; v. 255; p. 987.
Cotton-picker. W. F. Rose. No. 1,274,335; July 30; v. 252; p. 1118.
Cotton-picker. L. C. Stukenborg. No. 1,264,575; Apr. 30; v. 249; p. 1115.
Cotton-picker. L. C. Stukenborg. No. 1,279,933; Sept. 24; v. 254; p. 790.
Cotton-picker. W. G. Upchurch. No. 1,258,277; Mar. 5; v. 248; p. 95.
Cotton-picker device. J. H. C. Boig. No. 1,253,774; Jan. 15; v. 246; p. 741.
Cotton-picker, Pneumatic. W. H. Radford. No. 1,287,433; Dec. 10; v. 257; p. 343.
Cotton-picker shade. J. P. Lee. No. 1,277,957; Sept. 3; v. 254; p. 171.
Cotton-picking machine. H. L. Fisher. No. 1,262,031; Apr. 9; v. 249; p. 323.
Cotton-picking machine. T. R. Gabel and H. H. Holdaway. No. 1,277,901; Sept. 3; v. 254; p. 157.
Cotton-picking machine. T. E. Walton. No. 1,287,532; Dec. 10; v. 257; p. 366.
Cotton-picking machine, Vacuum. B. E. Chaney. No. 1,256,438; Feb. 12; v. 247; p. 429.
Cotton preparing and baling machinery. G. R. Brown. No. 1,257,798; Feb. 26; v. 247; p. 897.
Cotton-press block. W. C. High. No. 1,259,864; Mar. 19; v. 248; p. 622.
Cotton retainer or dog. T. R. Cameron. No. 1,280,391; Oct. 1; v. 255; p. 77.
Cotton-seed hulls and recovering uncut seed, Delinting. H. E. Sessions. No. 1,253,894; Jan. 15; v. 246; p. 775.
Cotton-seed meats, hulls, and lint, Method of and apparatus for treating a mixture of. J. S. Mullen. No. 1,286,389; Dec. 3; v. 257; p. 50.
Cotton-seed meats, Treatment of. C. O. Phillips. No. 1,278,073; Sept. 3; v. 254; p. 202.
Cotton-seed meats, Treatment of. C. O. Phillips. No. 1,278,075; Sept. 3; v. 254; p. 203.
Cotton-seed meats, Treatment of. C. O. Phillips. No. 1,278,076; Sept. 3; v. 254; p. 203.
Cotton-seed, Pneumatic method of ventilating. A. W. French. No. 1,256,681; Feb. 19; v. 247; p. 535.
Cotton-stalk and vine cutter and hay-turner. R. H. Smith. No. 1,286,816; Dec. 3; v. 257; p. 150.
Cotton-stalks, Treating. L. D. Jones. No. 1,257,080; Feb. 19; v. 247; p. 652.
Couch. A. R. Hyatt. No. 1,270,737; June 25; v. 251; p. 812.
Couch and chair, Combined. M. H. Slater. No. 1,261,063; Apr. 2; v. 249; p. 21.
Couch, Burial-. I. N. Smith. No. 1,255,941; Feb. 12; v. 247; p. 279.
Couch, Convertible. G. F. Sisbower and L. E. Pittoni. No. 1,262,706; Apr. 16; v. 249; p. 541.
Couch, Extension-. G. F. Sisbower and L. E. Bittoni. No. 1,271,955; July 9; v. 252; p. 369.
Couch fabric. C. S. Hopkins. No. 1,276,919; Aug. 27; v. 253; p. 808.
Couch having a divided resting-surface. H. J. Müller. No. 1,255,208; Feb. 5; v. 247; p. 27.
Couch, Outdoor. J. M. Melburg. No. 1,279,395; Sept. 17; v. 254; p. 613.
Counter construction. G. R. Meyercord. No. 1,272,492; July 16; v. 252; p. 547.
Counter, Duplex. C. E. Larrabee. No. 1,263,571; Apr. 23; v. 249; p. 805.
Counter, Electric. C. N. Cahusac. No. 1,273,820; July 30; v. 252; p. 974.
Counter for dispensing apparatus. L. E. Baker. No. 1,286,200; Dec. 3; v. 257; p. 4.
Counter for moving objects. G. F. Matteson. No. 1,273,897; July 30; v. 252; p. 996.
Counter-locking device, Circular-. T. T. Clark. No. 1,274,991; Aug. 6; v. 253; p. 184.
Counter, Rotation-. J. S. Stull. No. 1,262,996; Apr. 16; v. 249; p. 624.
Counter, Store-. M. Ticheli. No. 1,259,167; Mar. 12; v. 248; p. 393.
Counters, Drive for. C. P. Wetmore. No. 1,261,081; Apr. 2; v. 249; p. 25.
Counting apparatus. A. F. Dixon. No. 1,254,661; Jan. 29; v. 246; p. 1042.
Counting apparatus. W. S. Norton. No. 1,284,430; Nov. 12; v. 256; p. 289.
Counterbalance for crank-shafts and applying the same. F. O'Brien. No. 1,261,053; Apr. 2; v. 249; p. 18.
Counterbore, Interchangeable. C. P. Wineman. No. 1,285,869; Nov. 26; v. 256; p. 730.
Countersink. O. O. Skrukrud. No. 1,267,704; May 28; v. 250; p. 871.
Counterweight. F. J. Brunell. No. 1,281,503; Oct. 15; v. 255; p. 440.
Coupé-body, Convertible. D. F. Oliver. No. 1,267,793; May 28; v. 250; p. 896.
Coupling: *See*—
- Air-coupling.
- Air-brake coupling.
- Automatic coupling.
- Automatic-release coupling.
- Axle-coupling.
- Bar-coupling.
- Belt-coupling.
- Car-coupling.
- Car, train, pipe, and electric coupling.
- Chain-end coupling.
- Circuit-coupling.
- Conduit-coupling.
- Curtain-coupling.
- Drain-coupling.
- Draw-coupling.
- Electric coupling.
- Electric-wire coupling.
- Electrical coupling.
- Expansion-coupling.
- Faucet-coupling.
- Flexible coupling.
- Flexible pipe-coupling.
- Flexible shaft-coupling.
- Framework-coupling.
- Gas-tube coupling.
- Harness and the like coupling.
- High-pressure hose-coupling.
- Hoop-coupling.
- Hose-coupling.
- Hose or pipe coupling.
- Jump-ring coupling.
- Junction-box coupling.
- Locking-coupling.
- Locomotive draw-bar buffer-coupling.
- Pipe-coupling.
- Pipe or hose coupling.
- Pole-coupling.
- Quick-attachable coupling.
- Quick-detachable coupling.
- Railway-coupling.
- Rigid coupling.
- Rope-coupling.
- Shaft-coupling.
- Shock-absorbing coupling.
- Snap-coupling.
- Steering-gear coupling.
- Thill-coupling.
- Tongue-and-slot coupling.
- Trace-coupling.
- Traction-coupling.
- Trailer-coupling.
- Train-pipe coupling.
- Truck-coupling.
- Umbrella-rib coupling.
- Universal coupling.
- Valve-coupling.
- Vehicle-coupling.
- Well-rod coupling.
- Wick-coupling.
- Yieldable coupling.
- Yielding coupling.

Coupling. J. S. Copeland. No. 1,286,238; Dec. 3; v. 257; p. 14.
Coupling. F. Ecaubert. No. 1,265,889; May 14; v. 250; p. 310.
Coupling. B. A. Garrett. No. 1,273,764; July 23; v. 252; p. 920.
Coupling. J. J. Jacobs. No. 1,284,692; Nov. 12; v. 256; p. 353.
Coupling. W. A. James. No. 1,253,831; Jan. 15; v. 246; p. 758.
Coupling. C. B. Jones. No. 1,255,756; Feb. 5; v. 247; p. 186.
Coupling. J. Juntunen. No. 1,252,349; Jan. 1; v. 246; p. 261.
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Coupling. G. F. Tadini. No. 1,269,335; June 11; v. 251; p. 375.
Coupling. J. S. Vawter. No. 1,260,734; Mar. 26; v. 248; p. 909.
Coupling. W. L. Walker. No. 1,284,163; Nov. 5; v. 256; p. 191.
Coupling attachment. D. A. Burns. No. 1,268,320; June 4; v. 251; p. 72.
Coupling-centering device. J. M. Rohlfing. No. 1,256,166; Feb. 12; v. 247; p. 347.
Coupling connection, Automatic-locking. D. Ahldin. No. 1,269,038; June 11; v. 251; p. 291.
Coupling device. S. Jencick. No. 1,263,252; Apr. 16; v. 249; p. 696.
Coupling device, Interchange. L. D. Woodruff. No. 1,282,715; Oct. 22; v. 255; p. 808.
Coupling for meters and like devices. H. W. Clark. No. 1,281,293; Oct. 15; v. 255; p. 382.
Coupling-sleeve, Removable. E. J. F. Audemars. No. 1,275,996; Aug. 13; v. 253; p. 488.
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Cover. C. R. Meadow. No. 1,263,452; Apr. 23; v. 249; p. 773.
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Cover or stopper for jars, pots, bottles, and other receptacles. P. J. Boucher. No. 1,258,390; Mar. 5; v. 248; p. 128.
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Crank-pin-lubricating mechanism. B. Ulferts. No. 1,288,765; Dec. 24; v. 257; p. 728.
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Crank-shaft, Counterbalanced. G. C. Gordon. No. 1,255,409; Feb. 5; v. 247; p. 46.
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Cream, Composition of matter to facilitate the whipping of. A. Moore and F. J. A. King. No. 1,253,706; Jan. 15; v. 246; p. 723.
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Cream, Method and apparatus for deodorizing. J. Priskey. No. 1,286,404; Dec. 3; v. 257; p. 54.
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Cross-head safety device. W. C. Murphy. No. 1,277,337; Aug. 27; v. 253; p. 919.
Cross-tie. J. T. Hagewood. No. 1,252,566; Jan. 8; v. 246; p. 360.
Cross-tie, Metallic. O. T. Gregg. No. 1,251,508; Jan. 1; v. 246; p. 17.
Cross-tie, rail-brace, and fastener, Combined metallic. A. Livingston. No. 1,254,419; Jan. 22; v. 246; p. 944.
Cross-wrapping machine. O. E. Heckman. No. 1,252,109; Jan. 1; v. 246; p. 196.
Crossing-gate. D. V. Farman. No. 1,271,877; July 9; v. 252; p. 346.
Crossing-gate. J. O. Oatman. No. 1,286,069; Nov. 26; v. 256; p. 778.
Crossing gate, Grade-. E. F. Talley. No. 1,261,647; Apr. 2; v. 249; p. 186.
Crossing-gate, Train-operated. H. A. Lutz. No. 1,255,900; Feb. 12; v. 247; p. 268.
Crossing-operating system. E. S. Cobb. No. 1,257,279; Feb. 19; v. 247; p. 710.
Crossing-signal. W. A. Braden. No. 1,259,350; Mar. 12; v. 248; p. 443.
Crossing-signal. C. T. Bradshaw. No. 1,289,101; Dec. 31; v. 257; p. 834.
Crossing-signal, Electrically-operated. C. L. Lynch. No. 1,261,251; Apr. 2; v. 249; p. 73.
Crossover. A. M. Gow. No. 1,271,510; July 2; v. 252; p. 211.
Crown curved pin, Detachable-. T. G. McMahon and G. E. Fritz. No. 1,285,758; Nov. 26; v. 256; p. 701.
Crown, Porcelain. L. E. Evslin. No. 1,264,496; Apr. 30; v. 249; p. 1093.
Crucible. J. J. Boericke. No. 1,277,032; Aug. 27; v. 253; p. 838.
Crucible-holding apparatus. C. J. Goehringer. No. 1,280,712; Oct. 8; v. 255; p. 191.
Crucibles, Heating device for metal-melting. G. L. Fort. No. 1,279,682; Sept. 24; v. 254; p. 717.
Cruiser, Pleasure-. I. Chase. No. 1,273,149; July 23; v. 252; p. 757.
Crusher: *See*—
Clod-crusher.
Lump-crusher.
Portable crusher.
Rock-crusher.
Rotary crusher.
Crusher. R. Bernhard. No. 1,256,289; Feb. 12; v. 247; p. 384.
Crusher. W. A. Kraemer. No. 1,282,870; Oct. 29; v. 255; p. 879.
Crusher. W. K. Liggett. No. 1,268,479; June 4; v. 251; p. 117.
Crusher and pulverizer. P. S. Knittel. No. 1,282,239; Oct. 22; v. 255; p. 679.
Crusher-jaws, Adjusting and safety means for. E. H. Moyle. No. 1,281,055; Oct. 8; v. 255; p. 285.
Crushing-machine. E. B. Symons. No. 1,256,843; Feb. 19; v. 247; p. 582.
Crushing-machine, Rotating-ring. E. B. Symons. No. 1,264,347; Apr. 30; v. 249; p. 1050.
Crushing-mill. H. Hurter. No. 1,280,038; Sept. 24; v. 254; p. 818.
Crushing-mill. T. J. Sturtevant. No. 1,286,831; Dec. 3; v. 257; p. 154.
Crutch. A. R. Allen. No. 1,253,117; Jan. 8; v. 246; p. 521.
Crutch. W. F. Bonds. No. 1,265,993; May 14; v. 250; p. 339.
Crutch. B. M. Bradford. No. 1,257,181; Feb. 19; v. 247; p. 680.
Crutch. W. Clifford. No. 1,264,774; Apr. 30; v. 249; p. 1168.
Crutch. J. A. Desjardins. No. 1,254,993; Jan. 29; v. 246; p. 1141.
Crutch. A. R. Hunter. No. 1,278,664; Sept. 10; v. 254; p. 385.
Crutch. U. Kornstein. No. 1,288,929; Dec. 24; v. 257; p. 767.
Crutch. J. P. Plumb. No. 1,269,504; June 11; v. 251; p. 420.
Crutch. H. C. Sparrow. No. 1,266,074; May 14; v. 250; p. 361.
Crutch. J. A. Stansbury. No. 1,267,008; May 21; v. 250; p. 651.
Crutch. C. J. Sutherland. No. 1,285,836; Nov. 26; v. 256; p. 722.
Crutch. F. Weldon. No. 1,277,009; Aug. 27; v. 253; p. 833.
Crutch. E. A. Whalen and O. R. Illing. No. 1,283,387; Oct. 29; v. 255; p. 1018.
Crutch, Adjustable. A. Bell. No. 1,270,102; June 18; v. 251; p. 614.
Crutch, Adjustable. W. S. Mielcarek. No. 1,256,350; Feb. 12; v. 247; p. 402.
Crutch, Adjustable. J. P. Tonolli. No. 1,270,463; June 25; v. 251; p. 739.
Crutch and artificial limb. A. E. Mueller. No. 1,254,061; Jan. 22; v. 246; p. 842.
Crutch and like article. E. C. Beecroft. No. 1,284,991; Nov. 19; v. 256; p. 469.
Crutch construction, Extensible-. W. E. Wolf. No. 1,262,153; Apr. 9; v. 249; p. 358.
Crutch, Extensible. E. Gillett. No. 1,285,120; Nov. 19; v. 256; p. 501.
Crutch, Extension-. A. A. Anderson. No. 1,262,905; Apr. 16; v. 249; p. 598.
Crutch-tips, Antislip device for. T. J. Le Cras. No. 1,276,231; Aug. 20; v. 253; p. 584.
Crutches, Resilient tip for. J. B. Edie. No. 1,286,963; Dec. 10; v. 257; p. 224.
Cryptographic method and apparatus. R. Guzmán M. No. 1,285,567; Nov. 19; v. 256; p. 613.
Crystal detectors, Mount for. T. B. Miller. No. 1,277,627; Sept. 3; v. 254; p. 82.
Crystal, Unbreakable concavo-convex compression-. B. C. Ames. (Reissue.) No. 14,458; Apr. 9; v. 249; p. 488.
Crystallization from solutions, Apparatus for effecting a continuous. E. Hansen. No. 1,273,058; July 16; v. 252; p. 707.
Cue-chalking device. C. H. Philipps. No. 1,260,572; Mar. 26; v. 248; p. 861.
Cue, Pneumatic. E. B. Smith. No. 1,279,925; Sept. 24; v. 254; p. 787.
Cue-protector. V. Ruiz. No. 1,262,262; Apr. 9; v. 249; p. 388.
Cue-tip holder. J. Perlmutter. No. 1,270,864; July 2; v. 252; p. 32.
Cuff. H. H. Lederer. No. 1,287,054; Dec. 10; v. 257; p. 248.
Cuff. F. M. Prestivich. No. 1,276,956; Aug. 27; v. 253; p. 819.
Cuff-clasp. E. Schodlbauer. No. 1,287,772; Dec. 17; v. 257; p. 458.
Cuff, Detachable. L. J. Levasseur. No. 1,261,249; Apr. 2; v. 249; p. 72.

Cuff, Detachable shirt-. F. J. Arney. No. 1,254,565; Jan. 22; v. 246; p. 986.
Cuff, Detachable shirt-. C. L. E. Rebert. No. 1,270,660; June 25; v. 251; p. 793.
Cuff for shirts, Detachable and reversible. C. L. E. Rebert. No. 1,286,102; Nov. 26; v. 256; p. 786.
Cuff-link. A. Fusco. No. 1,261,732; Apr. 2; v. 249; p. 208.
Cuff-link. J. Pejchar. No. 1,258,449; Mar. 5; v. 248; p. 146.
Cuff-link. L. C. Schutte. No. 1,271,089; July 2; v. 252; p. 95.
Cuff-link. G. H. Treadgold. No. 1,256,745; Feb. 19; v. 247; p. 553.
Cuff-protector. G. R. Logan. No. 1,263,446; Apr. 23; v. 249; p. 772.
Cuff, Reversible. J. Goodman. No. 1,279,330; Sept. 17; v. 254; p. 595.
Cuff, Reversible. S. E. Kalfus. No. 1,259,872; Mar. 19; v. 248; p. 624.
Cuff, Reversible. C. T. Zalewski. No. 1,288,367; Dec. 17; v. 257; p. 603.
Culinary article. J. A. Norden. No. 1,283,272; Oct. 29; v. 255; p. 986.
Culinary beater. M. H. Roberts. No. 1,289,545; Dec. 31; v. 257; p. 944.
Culinary implement. S. J. Rogers. No. 1,265,116; May 7; v. 250; p. 69.
Culinary implement. J. Sutherland. No. 1,262,404; Apr. 9; v. 249; p. 428.
Culinary knife, Multiple. F. A. Preston. No. 1,280,835; Oct. 8; v. 255; p. 227.
Culinary press. A. Quiquerez. No. 1,289,261; Dec. 31; v. 257; p. 874.
Culinary utensil. G. Berchtold. No. 1,287,839; Dec. 17; v. 257; p. 475.
Culinary utensil. N. S. Harter. No. 1,288,881; Dec. 24; v. 257; p. 755.
Culinary utensil. A. Hoddenbach. No. 1,282,230; Oct. 22; v. 255; p. 676.
Culinary vessel. H. Briese. No. 1,261,352; Apr. 2; v. 249; p. 103.
Culinary vessel. F. A. Shattuck. No. 1,260,720; Mar. 26; v. 248; p. 904.
Cultivating implement. C. C. Madison. No. 1,261,579; Apr. 2; v. 249; p. 167.
Cultivator. T. T. Anderson. No. 275,356; Aug. 13; v. 253; p. 311.
Cultivator. A. L. Baker. No. 1,285,551; Nov. 19; v. 256; p. 609.
Cultivator. B. L. Barton. No. 1,258,085; Mar 5; v. 248; p. 40.
Cultivator. A. S. Beymer. No. 1,276,017; Aug. 20; v. 253; p. 524.
Cultivator. C. Buisson. No. 1,286,931; Dec. 10; v. 257; p. 217.
Cultivator. F. L. Dewey. No. 1,253,359; Jan. 15; v. 246; p. 621.
Cultivator. H. S. Dickinson. No. 1,286,557; Dec. 3; v. 257; p. 92.
Cultivator. R. C. Dougan. No. 1,284,617; Nov. 12; v. 256; p. 334.
Cultivator. F. F. Ferguson. No. 1,284,631; Nov. 12; v. 256; p. 338.
Cultivator. E. Flaiz and A. T. Hawkyard. No. 1,283,132; Oct. 29; v. 255; p. 950
Cultivator. G. R. Fox. No. 1,253,480; Jan. 15; v. 246; p. 657.
Cultivator. W. Gaeldner. No. 1,258,109; Mar. 5; v. 248; p. 47.
Cultivator. K. F. Gerhard. No. 1,265,902; May 14; v. 250; p. 313.
Cultivator. T. R. Harmon. No. 1,279,689; Sept. 24; v. 254; p. 719.
Cultivator. W. P. Harper. No. 1,265,776; May 14; v. 250; p. 277.
Cultivator. C. E. Holt. No. 1,289,176; Dec. 31; v. 257; p. 852.
Cultivator. E. B. Hyde. No. 1,262,800; Apr. 16; v. 249; p. 569.
Cultivator. F. C. Kirkpatrick. No. 1,273,621; July 23; v. 252; p. 884.
Cultivator. T. N. Longacre and C. Baldwin. No. 1,264,102; Apr. 23; v. 249; p. 949.
Cultivator. I. W. McCallum. No. 1,252,128; Jan. 1; v. 246; p. 201.
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Cultivator. F. H. Myers. No. 1,275,588; Aug. 13; v. 253; p. 373.
Cultivator. C. T. Ray. No. 1,253,993; Jan. 15; v. 246; p. 802.
Cultivator. C. T. Ray. No. 1,280,545; Oct. 1; v. 255; p. 120.
Cultivator. O. G. Rieske. No. 1,276,270; Aug. 20; v. 253; p. 595.
Cultivator. J. Simrall. No. 1,288,241; Dec. 17; v. 257; p. 574.
Cultivator. J. W. Sivley. No. 1,260,079; Mar 19; v. 248; p. 685.
Cultivator. S H. Tinsman. No. 1,283,974; Nov. 5; v. 256; p. 141.
Cultivator. J. M. Vaughn. No. 1,267,149; May 21; v. 250; p. 691.
Cultivator. F. C. Warne. No. 1,259,940; Mar. 19; v. 248; p. 645.
Cultivator. D. A. Whisenant. No. 1,262,418; Apr. 9; v. 249; p. 432.
Cultivator. L. Willis and O. F. Woodworth. No. 1,284,011; Nov. 5; v. 256; p. 150.
Cultivator. W. J. Wilson. No. 1,280,610; Oct. 1; v. 255; p. 137.
Cultivator. J. M. Wright. No. 1,280,353; Oct. 1; v. 255; p. 67.
Cultivator and fertilizer-distributer, Combined. L. S. Connor. No. 1,260,332; Mar. 26; v. 248; p. 789.
Cultivator and scarifier implements, Detachable share for the teeth of. T. C. Lanford. No. 1,255,442; Feb. 5; v. 247; p. 94.
Cultivator and seed and fertilizer sowing implement, Combined. E. A. Reichelt. No. 1,263,111; Apr. 16; v. 249; p. 659.
Cultivator and weeder. P. Schmitt. No. 1,258,711; Mar. 12; v. 248; p. 261.
Cultivator attachment. B. R. Alam. No. 1,266,542; May 21; v. 250; p. 519.
Cultivator attachment. L. Cotton. No. 1,254,580; Jan. 22; v. 246; p. 990.
Cultivator attachment. J. H. Ford. No. 1,271,882; July 9; v. 252; p. 347.
Cultivator attachment. C. M. Harmsen. No. 1,289,164; Dec. 31; v. 257; p. 849.
Cultivator attachment. H. Johnson. No. 1,289,796; Dec. 31; v. 257; p. 1006.
Cultivator attachment. S. O. Larson. No. 1,267,425; May 28; v. 250; p. 793.
Cultivator attachment. W. H. Meadows. No. 1,281,989; Oct. 15; v. 255; p. 569.
Cultivator attachment. N. C. Prall. No. 1,251,821; Jan. 1; v. 246; p. 116.
Cultivator attachment. W. C. Seitz. No. 1,259,301; Mar. 12; v. 248; p. 428.
Cultivator attachment. C. A. Sigler. No. 1,253,102; Jan. 8; v. 246; p. 517.
Cultivator attachment. F. W. Vaughan. No. 1,281,235; Oct. 8; v. 255; p. 335.
Cultivator attachment, Disk-. R. C. Whitehead. No. 1,258,287; Mar. 5; v. 248; p. 98.
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Cultivator-blade. J. R. Porter. No. 1,270,321; June 25; v. 251; p. 700.
Cultivator-canopy. O. Davis. No. 1,275,664; Aug. 13; v. 253; p. 395.
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Cultivator, Corn-. G. Dunavan. No. 1,268,332; June 4; v. 251; p. 75.
Cultivator, Cotton-. G. Blohm. No. 1,257,792; Feb. 26; v. 247; p. 895.
Cultivator-fender. R. L. Goodman. No. 1,256,473; Feb. 12; v. 247; p. 438.
Cultivator-fender. W. M. Peel. No. 1,279,418; Sept. 17; v. 254; p. 619.
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Cultivator, Folding. J. R. Croyl. No. 1,275,401; Aug. 13; v. 253; p. 323.
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Cultivator, Hand-. C. J. Mühl. No. 1,262,230; Apr. 9; v. 249; p. 379.
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Cultivator, Riding-. D. Elliott. No. 1,270,802; July 2; v. 252; p. 13.
Cultivator-shield. A. Anderson and J. C. Storck. No. 1,284,208; Nov. 12; v. 256; p. 231.
Cultivator-shovel. J. F. Boose. No. 1,260,958; Mar. 26; v. 248; p. 969.
Cultivator-shovel. J. Brennan. No. 1,289,629; Dec. 31; v. 257; p. 965.
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Cultivator, Straddle-row wheeled. S. H. Phelps. No. 1,265,510; May 7; v. 250; p. 175.
Cultivator, Sugar-cane. C. W. Bernson. No. 1,260,746; Mar. 26; v. 248; p. 912.
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Cultivator, Wheeled. E. M. Heylman. No. 1,258,680; Mar. 12; v. 248; p. 252.
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Culvert-form. F. P. Martin. No. 1,275,457; Aug. 13; v. 253; p. 338.
Culvert-header. J. H. Dean. No. 1,258,751; Mar. 12; v. 248; p. 271.
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Cup: *See*—
Deglutitory cup.
Drinking-cup.
Drip-cup.
Grease-cup.
Impression-cup.
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Paper drinking-cup.
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Suction-cup.
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Cup. L. W. Luellen. No. 1,284,728; Nov. 12; v. 256; p. 363.
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Cup-container. L. W. Luellen. No. 1,264,950; May 7; v. 250; p. 21.
Cup-dispenser. M. H. Lockwood. No. 1,289,487; Dec. 31; v. 257; p. 930.
Cup-dispenser. H. Nias. No. 1,260,432; Mar. 26; v. 248; p. 819.
Cup-dispenser. H. Nias. No. 1,272,701; July 16; v. 252; p. 608.
Cup-dispenser, Sanitary. M. H. Lockwood. No. 1,261,947; Apr. 9; v. 249; p. 301.
Cup or container. D. F. Curtin. No. 1,260,520; Mar. 26; v. 248; p. 845.
Cupola. G. A. Ross. No. 1,272,854; July 16; v. 252; p. 652.
Curb and gutter and means for installing the same, Integral. A. S. Whiteway and J. Sullivan. No. 1,279,059; Sept. 17; v. 254; p. 523.
Curb-block. W. Weis. No. 1,269,888; June 18; v. 251; p. 560.
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Current apparatus, Direct-. C. W. Girvin. No. 1,286,587; Dec. 3; v. 257; p. 99.
Current-collecting device. J. S. Dean. No. 1,277,394; Sept. 3; v. 254; p. 17.
Current-collecting device. R. Siegfried and H. G. Jungk. No. 1,281,862; Oct. 15; v. 255; p. 536.
Current-collecting device. T. W. Varley. No. 1,267,342; May 21; v. 250; p. 742.
Current-controller. B. F. Gardner. No. 1,287,952; Dec. 17; v. 257; p. 503.
Current-converting machine. A. R. Bullock. No. 1,267,969; May 28; v. 250; p. 945.
Current distributer and timer. C. E. Holliday. No. 1,268,716; June 4; v. 251; p. 183.
Current fluid-meter. F. Lambert. No. 1,253,502; Jan. 15; v. 246; p. 663.
Current generator and group-converter, Alternating-. G. Belfils. No. 1,270,687; June 25; v. 251; p. 800.
Current generator, Continuous-. F. G. Liljenroth. No. 1,256,912; Feb. 19; v. 247; p. 603.
Current, Means for transforming direct. I. Langmuir. No. 1,273,626; July 23; v. 252; p. 885.
Current-modifier. O. M. Leich. No. 1,271,732; July 9; v. 252; p. 304.
Current-modifier. O. M. Leich. No. 1,271,733; July 9; v. 252; p. 308.
Current-modulator. F. Morano. No. 1,288,117; Dec. 17; v. 257; p. 545.
Current-motor. J. T. Dale. No. 1,263,865; Apr. 23; v. 249; p. 884.
Current-motor. O. Sonners. No. 1,272,322; July 9; v. 252; p. 474.
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Current motor, Alternating-. W. C. Korthals-Altes. No. 1,257,884; Feb. 26; v. 247; p. 923.
Current motor-circuits, Cut-out switch for alternating-. E. P. Braunwarth. No. 1,288,820; Dec. 24; v. 257; p. 741.
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Current motor, Multispeed alternating-. E. F. W. Alexanderson. No. 1,263,992; Apr. 23; v. 249; p. 920.
Current motors, Combined motor starting and releasing mechanism for alternating-. L. and H. L. Bradley. No. 1,280,147; Oct. 1; v. 255; p. 8.
Current overload-relay, Double-. R. J. Parsons. No. 1,273,659; July 23; v. 252; p. 895.
Current-rectifier. C. J. Quill. No. 1,252,615; Jan. 8; v. 246; p. 374.
Current-rectifier. F. Woodside and D. Wright. No. 1,269,891; June 18; v. 251; p. 560.
Current rectifier, Alternating-. T. J. Murphy. No. 1,268,795; June 4; v. 251; p. 206.
Current rectifier, Alternating-. R. F. Seitz. No. 1,260,463; Mar. 26; v. 248; p. 827.
Current rectifier, Alternating-. H. A. Selah. No. 1,256,063; Feb. 12; v. 247; p. 315.
Current rectifier, Alternating-. C. P. Steinmetz. No. 1,275,782; Aug. 13; v. 253; p. 428.
Current-rectifying apparatus. R. D. Mershon. No. 1,265,354; May 7; v. 250; p. 132.
Current-regulating apparatus. J. B. Wantz. No. 1,286,850; Dec. 3; v. 257; p. 158.
Current, Rotary rectifier of alternating. C. D. Macropoulos. No. 1,260,785; Mar. 26; v. 248; p. 923.
Current-supplying apparatus. H. H. M. Kammerhoff. No. 1,266,814; May 21; v. 250; p. 596.
Current-tap. F. V. Burton. No. 1,281,907; Oct. 15; v. 255; p. 548.
Current-transformer. R. C. Downing and L. C. Nicholson. No. 1,278,121; Sept. 10; v. 254; p. 240.
Current transformer, Constant-. L. Arnold. No. 1,263,360; Apr. 23; v. 249; p. 746.
Current values, Mechanism for integrating power-. F. R. Innes. No. 1,256,234; Feb. 12; v. 247; p. 369.
Currents and electromotive forces, Apparatus for rectifying high-potential alternating and oscillating. W. W. Strong and A. F. Nesbit. No. 1,259,160; Mar. 12; v. 248; p. 391.
Currents and other currents of periodic nature, Method and arrangement of apparatus for the detection and measurement of alternating. H. Greinacher and C. W. Miller. No. 1,287,970; Dec. 17; v. 257; p. 507.
Currents, Deflector for air-. B. Phelps. No. 1,280,291; Oct. 1; v. 255; p. 50.
Currents, Machine for transforming the frequency of. M. C. A. Latour and J. Bethenod. No. 1,271,915; July 9; v. 252; p. 357.
Currents, Means for producing alternating. F. W. Meyer. No. 1,264,420; Apr. 30; v. 249; p. 1072.
Currents, Method and apparatus for producing alternating. R. A. Fessenden. No. 1,265,068; May 7; v. 250; p. 55.
Currents of different frequencies in electricity-conducting systems, Means for segregating. L. T. Merwin and R. K. Freeman. No. 1,284,743; Nov. 12; v. 256; p. 367.
Currents, System for amplifying variable. I. Langmuir. No. 1,282,439; Oct. 22; v. 255; p. 733.
Currycomb. E. A. Naron. No. 1,253,414; Jan. 15; v. 246; p. 639.
Currycomb, Self-cleaning. W. D. Garber. No. 1,280,204; Oct. 1; v. 255; p. 25.
Curtain, Adjustable window-. R. G. Clark. No 1,262,175; Apr. 9; v. 249; p. 365.
Curtain and fixture for the same. A. C. Swanson. No. 1,254,291; Jan. 22; v. 246; p. 908.
Curtain and shade bracket. J. O. Williamson. No. 1,258,514; Mar 5; v. 248; p. 164.
Curtain and shade supporting bracket. W. Loeffler. No. 1,280,053; Sept. 24; v. 254; p. 821.
Curtain-bracket. E. J. Amo. No. 1,268,810; June 11; v. 251; p. 229.
Curtain-bracket. E. Nylund. No. 1,257,016; Feb. 19; v. 247; p. 635.
Curtain-bracket. O. E. Wylie. No. 1,275,821; Aug. 13; v. 253; p. 439.
Curtain-bracket, Adjustable. H. E. Plack. No. 1,272,848; July 16; v. 252; p. 650.
Curtain coupling. Vestibule-. M. J. Roche. No. 1,267,272; May 21; v. 250; p. 723.
Curtain-drier. S. Prestwich and A. J. Speller. No. 1,285,373; Nov. 19; v. 256; p. 565.
Curtain-fastener. E. S. Church. No. 1,285,039; Nov. 19; v. 256; p. 481.
Curtain-fastener. J. Kirschbaum. No. 1,259,413; Mar. 12; v. 248; p. 461.
Curtain-fastener. J. A. Manahan. (Reissue.) No. 14,565; Dec. 10; v. 257; p. 386.
Curtain-fastener. T. J. McMeekin. (Reissue.) No. 14,581; Dec. 31; v. 257; p. 1062.
Curtain-fastener. F. A. Neider. No. 1,287,077; Dec. 10; v. 257; p. 254.
Curtain-fixture. T. P. Hopkins. No. 1,276,365; Aug. 20; v. 253; p. 622.
Curtain-fixture. D. Hoyt. No. 1,261,390; Apr. 2; v. 249; p. 114.
Curtain-fixture. C. W. Kirsch. No. 1,281,023; Oct. 8; v. 255; p. 276.
Curtain-fixture. C. W. Kirsch. No. 1,281,024; Oct. 8; v. 255; p. 277.

Curtain-fixture. H. H. Schroyer. No. 1,256,053; Feb. 12; v. 247; p. 312.
Curtain-fixture. W. Sutcliffe. No. 1,289,954; Dec. 31; v. 257; p. 1044.
Curtain-guide. H. E. Weekes. No. 1,287,539; Dec. 10; v. 257; p. 367.
Curtain-hanger. J. H. Boye. No. 1,288,493; Dec. 24; v. 257; p. 661.
Curtain-hanger. J. J. Furthmiller. No. 1,253,368; Jan. 15; v. 246; p. 624.
Curtain-hanger. B. Staszko. No. 1,270,669; June 25; v. 251; p. 795.
Curtain holder, Window-. T. B. Scribner. No. 1,255,472; Feb. 5; v. 247; p. 104.
Curtain-operating-rod arrangement, Door-. J. Crawford. No. 1,287,897; Dec. 17; v. 257; p. 489.
Curtain-pole. F. J. Bischof. No. 1,261,685; Apr. 2; v. 249; p. 197.
Curtain-pole. E. B. Fargo and G. R. Case. No. 1,256,001; Feb. 12; v. 247; p. 298.
Curtain-pole. J. F. Hines. No. 1,278,346; Sept. 10; v. 254; p. 301.
Curtain-pole. J. F. Hines. No. 1,278,347; Sept. 10; v. 254; p. 301.
Curtain-pole. J. F. Hines. No. 1,278,348; Sept. 10; v. 254; p. 301.
Curtain-pole. B. Province. No. 1,269,508; June 11; v. 251; p. 421.
Curtain rod, Bed-. C. J. Kane. No. 1,270,524; June 25; v. 251; p. 756.
Curtain-rod, Extension. J. Kroder. No. 1,284,113; Nov. 5; v. 256; p. 179.
Curtain-rod holder. G. H. Euler. No. 1,267,197; May 21; v. 250; p. 704.
Curtain-rods, Threading device for. F. F. Underwood. No. 1,253,749; Jan. 15; v. 246; p. 734.
Curtain-roller. L. W. Gates. No. 1,277,902; Sept. 3; v. 254; p. 158.
Curtain-shade circuit-closer. J. Havran. No. 1,259,736; Mar. 19; v. 248; p. 583.
Curtain-shield, Hinged. H. H. Schroyer. No. 1,256,047; Feb. 12; v. 247; p. 310.
Curtain-stretcher. N. B. Allen. No. 1,252,981; Jan. 8; v. 246; p. 480.
Curtain-stretcher. H. W. Gatlin. No. 1,264,175; Apr. 30; v. 249; p. 1003.
Curtain-stretcher. J. R. Hopkins. No. 1,255,010; Jan. 29; v. 246; p. 1145.
Curtain-stretcher. L. S. Keim. No. 1,286,340; Dec. 3; v. 257; p. 38.
Curtain-stretcher. M. Mackowski. No. 1,284,395; Nov. 12; v. 256; p. 281.
Curtain-stretcher. F. H. Schleappi. No. 1,282,637; Oct. 22; v. 255; p. 787.
Curtain stretcher and drier. R. V. Lyon. No. 1,285,274; Nov. 19; v. 256; p. 539.
Curtain-stretcher angle-clamp. J. B. McIntyre. No. 1,288,632; Dec. 24; v. 257; p. 697.
Curtain-support. J. B. Starr. No. 1,259,922; Mar. 19; v. 248; p. 639.
Curtain, Vehicle-. A. G. Teason. No. 1,269,337; June 11; v. 251; p. 375.
Curtain-window. M. Pianko. No. 1,253,525; Jan. 15; v. 246; p. 669.
Curtains, Fastener for automobile and vehicle. D. M. Winans. No. 1,264,242; Apr. 30; v. 249; p. 1023.
Curtains or the like, Device for shifting. E. J. Vallen. No. 1,263,628; Apr. 23; v. 249; p. 821.
Curtains or the like, Support for. A. E. Menzl. No. 1,260,234; Mar. 19; v. 248; p. 727.
Curve, Adjustable. K. W. Nevers. No. 1,258,357; Mar. 5; v. 248; p. 117.
Cushion: *See*—
Air-cushion.
Car-seat cushion.
Ear-cushion.
Heel-cushion.
Pincushion.
Pin and needle cushion.
Pneumatic die-cushion.
Spring-cushion.
Cushion. J. Rose. No. 1,284,459; Nov. 12; v. 256; p. 297.
Cushion. R. L. Stevens. No. 1,269,018; June 11; v. 251; p. 286.
Cushion. A. E. Vining. No. 1,266,359; May 14; v. 250; p. 440.
Cushion and support for the feet. C. H. Hill. No. 1,271,468; July 2; v. 252; p. 199.
Cushion construction. F. A. Nachman. No. 1,253,272; Jan. 15; v. 246; p. 594.
Cushion-cover for fruit-crates. I. W. Peck. No. 1,282,711; Oct. 22; v. 255; p. 807.
Cushion-mat. W. P. Bosworth. No. 1,276,865; Aug. 27; v. 253; p. 795.
Cushion-pad. F. W. Clark. No. 1,251,964; Jan. 1; v. 246; p. 154.
Cushion-seat. W. D. McCullough. No. 1,254,333; Jan. 22; v. 246; p. 920.
Cushion-seat. J. M. Richardson. No. 1,270,551; June 25; v. 251; p. 765.
Cushion-seat and mattress. W. J. Kelly. No. 1,270,840; July 2; v. 252; p. 24.
Cushion-seats and other upholstery, Trim-rail for. F. B. King. No. 1,281,173; Oct. 8; v. 255; p. 319.
Cushion-seats and similar structures, Trimming-rail for. F. B. King. No. 1,275,266; Aug. 13; v. 253; p. 286.
Cushion-spring. G. O. Brandt and T. Mahoney. No. 1,257,310; Feb. 26; v. 247; p. 754.
Cushion-spring. R. L. Stevens. No. 1,275,318; Aug. 13; v. 253; p. 300.
Cushion-spring. G. H. Vinette. No. 1,281,440; Oct. 15; v. 255; p. 424.
Cushion structure. F. P. D'Arcy. No. 1,285,063; Nov. 19; v. 256; p. 486.
Cushion structure, Spring-. F. P. D'Arcy. No. 1,254,314; Jan. 22; v. 246; p. 915.
Cushion-wheel. H. B. Coats. No. 1,285,944; Nov. 26; v. 256; p. 748.
Cushion-wheel. I. Hayman. No. 1,280,220; Oct. 1; v. 255; p. 30.
Cushion-wheel for vehicles. A. J. Meyer. No. 1,265,101; May 7; v. 250; p. 65.
Cushioned shockless wheel. D. S. McFerren. No. 1,259,541; Mar. 19; v. 248; p. 530.
Cushioned wheel. A. L. Bennett. No. 1,261,896; Apr. 9; v. 249; p. 287.
Cushioned wheel. A. S. Duffies and F. Mead. No. 1,276,628; Aug. 20; v. 253; p. 695.
Cushioned wheel. W. A. Giese. No. 1,262,941; Apr. 16; v. 249; p. 609.
Cushioned wheel. G. Walther. No. 1,287,802; Dec. 17; v. 257; p. 466.
Cushioned wheel. P. L. White. No. 1,272,161; July 9; v. 252; p. 429.
Cushioning device. R. Springborn. No. 1,278,246; Sept. 10; v. 254; p. 274.
Cuspidor. L. E. Adams. No. 1,254,561; Jan. 22; v. 246; p. 985.
Cuspidor. J. A. Kessler. No. 1,277,948; Sept. 3; v. 254; p. 169.
Cuspidor. M. N. Koch. No. 1,257,250; Feb. 19; v. 247; p. 701.
Cuspidor. R. Pfenninger. No. 1,283,290; Oct. 29; v. 255; p. 991.
Cuspidor. E. H. Shibley. No. 1,260,946; Mar. 26; v. 248; p. 966.
Cuspidor. R. Tfenninger. No. 1,258,064; Mar. 5; v. 248; p. 53.
Cuspidor. J. S. Yergason. No. 1,284,537; Nov. 12; v. 256; p. 315.
Cuspidor-carrier. T. G. Brand. No. 1,264,151; Apr. 30; v. 249; p. 995.
Cuspidor-carrier. N. Chouvaldjy. No. 1,282,044; Oct. 22; v. 255; p. 624.
Cuspidor-carrier. H. A. Howe. No. 1,259,019; Mar. 12; v. 248; p. 351.
Cuspidor-handling device. B. R. Le Roy. No. 1,282,246; Oct. 22; v. 255; p. 681.
Cuspidor-holder. J. Chorzempa. No. 1,252,778; Jan. 8; v. 246; p. 421.
Cuspidor-lifter. E. B. Knapp. No. 1,274,895; Aug. 6; v. 253; p. 158.
Cuspidor-lifter. A. Wickersham. No. 1,260,111; Mar. 19; v. 248; p. 693.
Cuspidor lifting and cleaning device. J. F. McFarland. No. 1,280,056; Sept. 24; v. 254; p. 822.
Cuspidor, Sanitary. A. D. Hunt and S. L. Cole. No. 1,280,480; Oct. 1; v. 255; p. 101.
Cuspidor, Sanitary. I. N. Miller. No. 1,251,805; Jan. 1; v. 246; p. 110.
Cut-off. H. Krippene. No. 1,275,166; Aug. 6; v. 253; p. 232.
Cut-off. L. W. Rogers. No. 1,283,916; Nov. 5; v. 256; p. 126.
Cut-off, Automatic. J. G. Homan. No. 1,282,835; Oct. 29; v. 255; p. 869.
Cut-out. R. C. Cole. No. 1,275,391; Aug. 13; v. 253; p. 321.
Cut-out. C. E. Wilson. No. 1,289,338; Dec. 31; v. 257; p. 893.
Cut-out box. J. M. Hauer. No. 1,283,749; Nov. 5; v. 256; p. 81.
Cut-out switch, Hall-button-. C. W. Wheeler. No. 1,261,985; Apr. 9; v. 249; p. 312.
Cutlery article. F. Hachmann. No. 1,254,591; Jan. 22; v. 246; p. 993.
Cutlery implement. A. Kupiszewski. No. 1,288,617; Dec. 24; v. 257; p. 693.
Cutter: *See*—
Asparagus-cutter.
Band-cutter.
Bayonet and wire-cutter.
Bean-cutter.
Bean-vine cutter.
Binder-cutter.
Boiler-flue cutter.
Bolt-cutter.
Bread-cutter.
Butter-cutter.
Cereal-cutter.
Cheese-cutter.
Cigar-cutter.
Cigar-tuck cutter.
Cigar-wrapper cutter.
Corn-cutter.
Dough-cutter.
Feed-cutter.
Food-cutter.
Gasket-cutter.
Gear-cutter.
Grass-cutter.
Hay-cutter.
Heel-cutter.
Hobbing-cutter.
Ice-cutter.
Ice-cream cutter.
Looping-machine cutter.
Meat-cutter.
Milling-cutter.
Molding-face cutter.
Needle-cutter.
Paper-cutter.
Pipe-cutter.

Cutter: *See*—Continued.
Potato-cutter.
Rotary cutter.
Rotary meat-cake cutter.
Roving-cutter.
Saw-tooth cutter.
Slug-cutter.
Stalk-cutter.
Stump-cutter.
Submarine cutter.
Submarine-growth cutter.
Thimble and thread-cutter.
Thread-cutter.
Thread or worm cutter.
Tile-cutter.
Tobacco-cutter.
Twine-cutter.
Vegetable-cutter.
Vine-cutter.
Wad-cutter.
Wafer-cutter.
Weed-cutter.
Weft-cutter.
Wire-cutter.
Wood-cutter.

Cutter. A. A. Arnold. No. 1,267,836; May 28; v. 250; p. 909.
Cutter. L. W. Bugbee. (Reissue.) No. 14,486; June 18; v. 251; p. 655.
Cutter. L. C. Gorham. No. 1,258,891; Mar. 12; v. 248; p. 313.
Cutter. J. M. Richards. No. 1,252,495; Jan. 8; v. 246; p. 339.
Cutter and chopper. J. N. Gross. No. 1,280,447; Oct. 1; v. 255; p. 93.
Cutter and grater. Z. Gora. No. 1,284,314; Nov. 12; v. 256; p. 260.
Cutter-bar adjusting and locking means. G. F. Hollon. No. 1,280,470; Oct. 1; v. 255; p. 98.
Cutter-bar mechanism. R. H. McNee. No. 1,275,062; Aug. 6; v. 253; p. 205.
Cutter-grinding machine. J. E. Gleason. No. 1,285,124; Nov. 19; v. 256; p. 502.
Cutter-guard. A. A. Bacchi. No. 1,255,687; Feb. 5; v. 247; p. 166.
Cutter-head. H. L. Fisher. No. 1,289,721; Dec. 31; v. 257; p. 987.
Cutter-head. A. J. Johnson. No. 1,268,722; June 4; v. 251; p. 184.
Cutter-head. H. H. Payzant. No. 1,265,501; May 7; v. 250; p. 172.
Cutters, Making. E. Lurker. No. 1,277,441; Sept. 3; v. 254; p. 31.
Cutting and abrasive implement. J. C. Smith. No. 1,269,653; June 18; v. 251; p. 493.
Cutting and beveling apparatus, Automatic. G. H. Lewis. No. 1,289,485; Dec. 31; v. 257; p. 929.
Cutting and folding machine. H. M. Barber. No. 1,263,837; Apr. 23; v. 249; p. 877.
Cutting and folding machine. H. M. Barber. No. 1,279,826; Sept. 24; v. 254; p. 758.
Cutting and folding machine. H. M. Barber. No. 1,284,983; Nov. 19; v. 256; p. 466.
Cutting and folding machine. J. R. Bignell. No. 1,286,056; Oct. 29; v. 255; p. 930.
Cutting and folding machine. A. B. and F. L. Ireland. No. 1,273,495; July 23; v. 252; p. 849.
Cutting and scoring machine. E. H. Taylor. No. 1,255,810; Feb. 5; v. 247; p. 201.
Cutting apparatus. H. E. Coons. No. 1,261,709; Apr. 2; v. 249; p. 203.
Cutting apparatus. J. W. Higgins. No. 1,280,223; Oct. 1; v. 255; p. 31.
Cutting cloth or other fabrics, Apparatus for. A. Freydberg. No. 1,275,899; Aug. 13; v. 253; p. 460.
Cutting device. J. Anderson and F. Bergendorf. No. 1,255,684; Feb. 5; v. 247; p. 165.
Cutting device. W. P. Huguelet. No. 1,258,569; Mar. 5; v. 248; p. 182.
Cutting device. T. C. Pruett. No. 1,268,997; June 11; v. 251; p. 280.
Cutting device. M. O. Rehfuss. No. 1,263,803; Apr. 23; v. 249; p. 867.
Cutting device. W. E. Wilson. No. 1,281,113; Oct. 8; v. 255; p. 301.
Cutting-die, Adjustable. J. R. Gammeter. No. 1,283,724; Nov. 5; v. 256; p. 75.
Cutting dovetails and the like, Device for. G. Gallatin. No. 1,280,203; Oct. 1; v. 255; p. 25.
Cutting heads from cans, Machine for. E. B. Tracy, J. H. D. Peters, S. A. Griffiths, and A. A. Hebert. No. 1,283,976; Nov. 5; v. 256; p. 141.
Cutting hobs, worms, and the like, Machine and process for. W. Cannell. No. 1,271,662; July 9; v. 252; p. 288.
Cutting instrument. W. P. Robertson. No. 1,287,754; Dec. 17; v. 257; p. 454.
Cutting instruments, Increasing the longevity of the cutting edge of steel. H. T. Baker. No. 1,277,824; Sept. 3; v. 254; p. 137.
Cutting-machine. W. G. Abbot, Jr. No. 1,252,531; Jan. 8; v. 246; p. 349.
Cutting-machine. R. T. Hughes. No. 1,281,012; Oct. 8; v. 255; p. 273.
Cutting-machine. F. H. Sherman. No. 1,279,595; Sept. 24; v. 254; p. 691.
Cutting-machine. D. T. Wadhams. No. 1,264,716; Apr. 30; v. 249; p. 1153.
Cutting-machine. S. J. Wentworth. No. 1,279,624; Sept. 24; v. 254; p. 700.
Cutting machine, Bar-. P. M. Haas and F. M. Nair. No. 1,273,775; July 23; v. 252; p. 923.
Cutting machine, Cabbage-. J. Cherpech. No. 1,283,667; Nov. 5; v. 256; p. 61.
Cutting-machine feeding mechanism. D. T. Wadhams. No. 1,264,715; Apr. 30; v. 249; p. 1153.
Cutting machine, Gage-. J. L. L. Krook. No. 1,288,038; Dec. 17; v. 257; p. 525.
Cutting machine, Parallelogram-. J. F. McGinnitey and R. C. Cox. No. 1,279,892; Sept. 24; v. 254; p. 778.
Cutting machine, Stock-. E. E. Winkley. No. 1,287,551; Dec. 10; v. 257; p. 371.
Cutting-machines, Feeding and spacing mechanism for. D. T. Wadhams. No. 1,273,959; July 30; v. 252; p. 1015.
Cutting mechanism. J. Froehlich. No. 1,262,189; Apr. 9; v. 249; p. 368.
Cutting mechanism. C. A. Hagadone. No. 1,257,342; Feb. 26; v. 247; p. 763.
Cutting mechanism. A. E. Hilton. No. 1,273,368; July 23; v. 252; p. 815.
Cutting mechanism, Holding means for. R. W. Smiley. No. 1,274,617; Aug. 6; v. 253; p. 80.
Cutting mechanism, Safety. J. E. Norquest. No. 1,252,932; Jan. 8; v. 246; p. 463.
Cutting-nippers. S. Butterworth. No. 1,278,849; Sept. 17; v. 254; p. 465.
Cutting-off machine and the like. G. Gorton. No. 1,284,315; Nov. 12; v. 256; p. 260.
Cutting-off tool. E. F. G. Gibbs. No. 1,266,116; May 14; v. 250; p. 374.
Cutting or trimming machine. E. Nall. No. 1,273,526; July 23; v. 252; p. 858.
Cutting sheet material, Machine for. C. F. Hamm. No. 1,275,250; Aug. 13; v. 253; p. 281.
Cutting teeth on leader-blanks, Machine for. M. E. Fernald. No. 1,284,882; Nov. 12; v. 256; p. 403.
Cutting-tool. C. Bach, Jr. No. 1,270,254; June 25; v. 251; p. 681.
Cutting-tool. A. Bock. No. 1,252,082; Jan. 1; v. 246; p. 188.
Cutting-tool. H. Fish. No. 1,271,299; July 2; v. 252; p. 154.
Cutting-tool. J. L. Herman. No. 1,281,004; Oct. 8; v. 255; p. 271.
Cutting-tool. G. McKerahan. No. 1,267,782; May 28; v. 250; p. 892.
Cutting-tool. H. Rommerdale. No. 1,258,815; Mar. 12; v. 248; p. 291.
Cutting-tool, Adjustable. H. K. Bayer and H. J. Epstein. No. 1,284,989; Nov. 19; v. 256; p. 468.
Cutting tool, Hand gain-. C. F. O. Royal and E. E. Thomas. No. 1,262,601; Apr. 9; v. 249; p. 483.
Cutting tool, Metal-. J. I. Misener and W. S. Sanders. No. 1,281,627; Oct. 15; v. 255; p. 472.
Cutting-tool, Rotary. W. G. Abbott, Jr. No. 1,286,194; Dec. 3; v. 257; p. 3.
Cutting-tool support. S. L. Marsh. No. 1,289,219; Dec. 31; v. 257; p. 863.
Cyanid and producing same, Crude. H. Freeman. No. 1,277,898; Sept. 3; v. 254; p. 156.
Cyanid, Making. W. H. Wright. No. 1,259,702; Mar. 19; v. 248; p. 574.
Cyanid slimes, Organized apparatus for treating. L. C. Trent and S. W. Mudd. No. 1,283,365; Oct. 29; v. 255; p. 1012.
Cyanid solutions, Continuous method of treating. L. C. Trent. No. 1,283,363; Oct. 29; v. 255; p. 1011.
Cyanids, Preventing the decomposition of molten. H. Freeman. No. 1,282,405; Oct. 22; v. 255; p. 724.
Cyanids, Synthetic production of. P. A. Starke. No. 1,256,272; Feb. 12; v. 247; p. 379.
Cyanogen compounds, Production of. A. R. Lindblad. No. 1,264,949; May 7; v. 250; p. 21.
Cyanogen compounds, Production of. J. D. Morgan. No. 1,278,493; Sept. 10; v. 254; p. 339.
Cycle. W. Douglas. No. 1,272,399; July 16; v. 252; p. 522.
Cycle back-rest, Motor-. C. Kuderer. No. 1,281,398; Oct. 15; v. 255; p. 413.
Cycle, Balloon-. J. Skrobacz. No. 1,285,818; Nov. 26; v. 256; p. 718.
Cycle-flier. G. G. Westerfield. No. 1,269,988; June 18; v. 251; p. 584.
Cycle-frame. W. S. Harley. No. 1,287,979; Dec. 17; v. 257; p. 509.
Cycle-frame. G. E. Rigby. No. 1,282,002; Oct. 15; v. 255; p. 572.
Cycle frame, Motor-. H. E. M. Sturges. No. 1,281,096; Oct. 15; v. 255; p. 490.
Cycle-hub with brake mechanism. H. Schmidt. No. 1,280,558; Oct. 1; v. 255; p. 123.
Cycle, Ice-. S. Barton. No. 1,261,203; Apr. 2; v. 249; p. 59.
Cycle, Ice-. S. Barton. No. 1,261,204; Apr. 2; v. 249; p. 59.
Cycle, Ice-. C. F. Hamilton. No. 1,284,663; Nov. 12; v. 256; p. 346.
Cycle-lock. W. H. Humbert. No. 1,270,415; June 25; v. 251; p. 725.
Cycle merry-go-round. C. H. Waterman. No. 1,261,197. Apr. 2; v. 249; p. 58.
Cycle-pedal. F. D. Warren. No. 1,276,139; Aug. 20; v. 253; p. 559.
Cycle side cars, Fitting for attaching motor-. R. F. Rogers. No. 1,283,311; Oct. 29; v. 255; p. 995.

Cycle support, Motor-. C. E. Morgan. No. 1,280,069; Sept. 24; v. 254; p. 826.
Cycle-supporting device. J. G. Murray. No. 1,251,684; Jan. 1; v. 246; p. 73.
Cycles and motor-cycles, Spring-frame for. G. E. Rigby. No. 1,261,440; Apr. 2; v. 249; p. 127.
Cycles and the like, Pedal driving-gear for. H. B. Johnston. No. 1,268,851; June 11; v. 251; p. 240.
Cycles, Car attachment for motor-. A. E. Bennett. No. 1,283,636; Nov. 5; v. 256; p. 52.
Cycles, Free-wheel drive for. G. Henry. No. 1,278,648; Sept. 10; v. 254; p. 381.
Cycles, motor-cycles, and the like, Spring-fork for. A. Drew. No. 1,251,992; Jan. 1; v. 246; p. 162.
Cycles, Oiling system for twin-engine motor-. G. H. Ellis. No. 1,283,120; Oct. 29; v. 255; p. 947.
Cycles, Spring-frame for motor-. A. T. Ashton. No. 1,283,030; Oct. 29; v. 255; p. 924.
Cyclone-protector. J. L. Roy. No. 1,275,476; Aug. 13; v. 253; p. 342.
Cylinder and piston construction. C. L. McCuen. No. 1,285,755; Nov. 26; v. 256; p. 701.
Cylinder and piston device. P. G. Tismer. No. 1,272,578; July 16; v. 252; p. 572.
Cylinder-grinding mechanism. E. W. Clark. No. 1,281,764; Oct. 15; v. 255; p. 509.
Cylinder-handling apparatus. H. G. Slingluff and H. S. Heichert. No. 1,263,341; Apr. 16; v. 249; p. 719.
Cylinder-head. H. G. Blumberg. No. 1,282,531; Oct. 22; v. 255; p. 758.
Cylinder-lock. E. Epstein. No. 1,257,987; Mar. 5; v. 248; p. 11.
Cylinder, Rotatable. F. H. Hardy. No. 1,281,777; Oct. 15; v. 255; p. 513.
Cylinders, Draining device for. R. B. Greenway. No. 1,287,969; Dec. 17; v. 257; p. 507.
Cylinders, Plate-clamping means for rotary. H. F. Bechman. No. 1,275,643; Aug. 13; v. 253; p. 389.
Cylinders, Take-down for machine-drawn. H. J. Douchamp. No. 1,281,914; Oct. 15; v. 255; p. 551.
D-handle-finishing machine. B. F. Delk. No. 1,260,344; Mar. 26; v. 248; p. 793.
D-handle-finishing machine. B. F. Delk. No. 1,262,183; Apr. 9; v. 249; p. 367.
Dairy sunning-rack. H. Schreck. No. 1,283,326; Oct. 29; v. 255; p. 1000.
Dam. C. E. Fowler. No. 1,254,005; Jan. 15; v. 246; p. 805.
Dam and conduit, Multiple. Z. T. Sweeney. No. 1,284,946; Nov. 12; v. 256; p. 419.
Dam and tunnel. W. H. Standish. No. 1,280,573; Oct. 1; v. 255; p. 127.
Dam, Collapsible. T. W. Jaycox. No. 1,257,240; Feb. 19; v. 247; p. 698.
Dam construction. L. R. Jorgensen. No. 1,282,087; Oct. 22; v. 255; p. 637.
Dam construction. W. H. Zimmerman. No. 1,266,748; May 21; v. 250; p. 579.
Dam for irrigation-ditches. C. Chastain. No. 1,256,772; Feb. 19; v. 247; p. 561.
Dam, Movable-crest. O. Randolph. No. 1,263,109; Apr. 16; v. 249; p. 658.
Dampener, Mist-. P. E. Getz and C. Vaughn. No. 1,261,803; Apr. 9; v. 249; p. 263.
Dampening-machine. H. Weber. No. 1,283,381; Oct. 29; v. 255; p. 1016.
Damper. L. Goldburg. No. 1,282,811; Oct. 29; v. 255; p. 862.
Damper. E. Nordwall. No. 1,278,987; Sept. 17; v. 254; p. 504.
Damper. W. W. Slocum. No. 1,275,618; Aug. 13; v. 253; p. 382.
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Damper-regulator. T. Connell. No. 1,257,190; Feb. 19; v. 247; p. 683.
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Darning device. G. F. Heiss. No. 1,277,927; Sept. 3; v. 254; p. 164.
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Dash-pot. E. Erickson. No. 1,265,634; May 7; v. 250; p. 206.
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Dash-pot. H. E. Trent. No. 1,270,898; July 2; v. 252; p. 41.
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Dating and mutilating machine. S. B. Tily and M. O. and J. G. Rehfuss. No. 1,269,979; June 18; v. 251; p. 582.
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Dentist's flask. N. Opatow. No. 1,256,589; Feb. 19; v. 247; p. 508.
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Design and puzzle. P. Carlow. No. 1,265,300; May 7; v. 250; p. 117.
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Designograph. F. A. Stainkamp. No. 1,254,003; Jan. 15; v. 246; p. 805.
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Desk, Adjustable school-. W. Burness, Jr. No. 1,264,609; Apr. 30; v. 249; p. 1125.
Desk and chair, Combined. G. W. Morrison. No. 1,288,119; Dec. 17; v. 257; p. 545.
Desk and chair, Combined school. E. G. Watkins and C. A. Brown. No. 1,282,337; Oct. 22; v. 255; p. 706.
Desk and map-cabinet, Combined. S. H. Fanning. No. 1,272,645; July 16; v. 252; p. 592.
Desk and seat, School. E. M. McNamara. No. 1,256,811; Feb. 19; v. 247; p. 572.
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Desk, show-case, and the like. H. A. Fales. No. 1,281,923; Oct. 15; v. 255; p. 553.
Desk, Writing-. D. M. Beaird. No. 1,267,046; May 21; v. 250; p. 661.
Desoxycholic acid, Producing novel addition compounds of the. H. Wieland. No. 1,252,212; Jan. 1; v. 246; p. 223.
Despatch and distributing system. A. W. Pearsall. No. 1,256,037; Feb. 12; v. 247; p. 307.
Detachable bracket. G. Wilkens. No. 1,261,664; Apr. 2; v. 249; p. 191.
Detachable handle. J. D. Karle. No. 1,271,716; July 9; v. 252; p. 303.
Detachable handle. I. C. Popper. No. 1,270,206; June 18; v. 251; p. 642.
Detachable-handle support. S. A. Duncan. No. 1,282,552; Oct. 22; v. 255; p. 764.
Detachable wheel. J. Ledwinka. No. 1,265,347; May 7; v. 250; p. 130.
Detaching-hook. C. Hunt. No. 1,251,531; Jan. 1; v. 246; p. 24.
Detector, High-frequency. G. W. Elmen. No. 1,289,418; Dec. 31; v. 257; p. 914.
Detergent. R. Hubbard. No. 1,281,010; Oct. 8; v. 255; p. 272.
Detergent compound. A. W. Foree. No. 1,280,698; Oct. 8; v. 255; p. 188.
Detergent compound for cleaning window-shades, &c. H. J. Adler. No. 1,278,411; Sept. 10; v. 254; p. 317.
Determining movements. W. C. Keys. No. 1,285,735; Nov. 26; v. 256; p. 696.
Developing apparatus. H. Gindele. No. 1,256,893; Feb. 19; v. 247; p. 598.
Developing composition. T. J. Brewster. No. 1,255,508; Feb. 5; v. 247; p. 114.
Dewaterer and classifier. O. A. Sundness and R. M. Baker. No. 1,274,814; Aug. 6; v. 253; p. 134.
Dextrin. W. W. McLaurin. No. 1,284,120; Nov. 5; v. 256; p. 181.
Dextrin, Manufacturing. W. W. McLaurin. No. 1,283,839; Nov. 5; v. 256; p. 106.
Diagnostic instrument. H. Clement. No. 1,281,136; Oct. 8; v. 255; p. 307.
Diallylbarbituric acid and alkaloids of the morphin series and making same, Compounds derived from. P. Hüssy and W. Föhrenbach. No. 1,255,423; Feb. 5; v. 247; p. 90.
Dials, Governor for automatic. H. H. Ide. No. 1,276,367; Aug. 20; v. 253; p. 622.
Diamond cutting and polishing machine, Automatic. E. Leperre. No. 1,262,217; Apr. 9; v. 249; p. 376.
Diamond-cutting, Process of and apparatus for. A. T. Hunt. No. 1,284,109; Nov. 5; v. 256; p. 178.
Diamond-grinder. F. Ries. No. 1,269,002; June 11; v. 251; p. 281.
Diamond-mounting. C. Birgbauer. No. 1,273,992; July 30; v. 252; p. 1023.
Diaphragm. D. M. Bliss. No. 1,277,538; Sept. 3; v. 254; p. 56.
Diaphragm for electrolytical and electro-osmotical purposes. B. Schwerin. No. 1,252,185; Jan. 1; v. 246; p. 217.
Diaphragms, Means for supporting. G. C. Pierce. No. 1,273,534; July 23; v. 252; p. 860.
Diastatic product. Producing. J. Takamine. No. 1,263,817; Apr. 23; v. 249; p. 871.
Dicing-machine. A. Schaffer. No. 1,286,796; Dec. 3; v. 257; p. 145.
Dictation-machines, Correction device for. G. W. Beadle. No. 1,285,904; Nov. 26; v. 256; p. 739.
Die: *See*—
Adjustable die.
Button-making die.
Cold-drawn die.
Cutting-die.
Hammer-die.
Printing-die.
Punching-die.
Screw-cutting die.
Stamping-out and marking die.
Die. W. J. Boyle. No. 1,274,848; Aug. 6; v. 253; p. 145.
Die. W. H. Goodrich and H. D. Reed. No. 1,279,535; Sept. 24; v. 254; p. 674.
Die. T. J. Murray. No. 1,279,409; Sept. 17; v. 254; p. 616.
Die. E. B. Peterson. No. 1,281,649; Oct. 15; v. 255; p. 478.
Die. W. A. Rich, Jr. No. 1,254,732; Jan. 29; v. 246; p. 1065.
Die-adjuster. R. Tomasek. No. 1,279,945; Sept. 24; v. 254; p. 793.
Die and forming articles from sheet metal. W. Nees. No. 1,286,723; Dec. 3; v. 257; p. 129.
Die-casting machine. G. W. Bungay. No. 1,279,650; Sept. 24; v. 254; p. 707.
Die-casting machine. J. S. Goldberg. No. 1,257,478; Feb. 26; v. 247; p. 802.
Die-clearing device. L. A. Mayle. No. 1,283,250; Oct. 29; v. 255; p. 981.
Die construction. G. Tanzi. No. 1,269,878; June 18; v. 251; p. 557.
Die cutting and forming machine. N. H. Anderson. No. 1,284,969; Nov. 19; v. 256; p. 462.
Die-grinding machine. L. B. Fraser. No. 1,257,691; Feb. 26; v. 247; p. 865.
Die-head. W. A. Leonard. No. 1,269,468; June 11; v. 251; p. 410.
Die-head holder. J. E. Keniston. No. 1,264,088; Apr. 23; v. 249; p. 946.
Die-holder, Adjustable. P. E. Lane. No. 1,288,054; Dec. 17; v. 257; p. 529.
Die-holder for punch-presses and the like, Adjustable. D. H. Talnoper. No. 1,256,615; Feb. 19; v. 247; p. 516.
Die-press, Automatic. C. D. McDonald. No. 1,263,581; Apr. 23; v. 249; p. 808.
Die-press mechanism. C. D. McDonald. No. 1,272,481; July 16; v. 252; p. 544.
Die-presses or the like, Appliance for. C. D. McDonald. No. 1,252,277; Jan. 1; v. 246; p. 241.
Die-presses or the like, Attachment for the feed-bars of. C. D. McDonald. No. 1,252,278; Jan. 1; v. 246; p. 242.
Die-presses, Safety-guard for. S. Bailey, T. V. Lloyd, and E. Jones. No. 1,256,641; Feb. 19; v. 247; p. 523.
Die-sinking machine. A. Arthur. No. 1,258,975; Mar. 12; v. 248; p. 337.
Die-stock. F. G. Koehler. No. 1,284,709; Nov. 12; v. 256; p. 358.
Die-stock. J. B. Martens. No. 1,289,506; Dec. 31; v. 257; p. 935.
Die-stock. H. B. Miller. No. 1,273,082; July 16; v. 252; p. 713.
Die-stock. I. W. Nonneman. No. 1,285,334; Nov. 19; v. 256; p. 556.
Die-stock. J. A. Phelps. (Reissue.) No. 14,470; May 7; v. 250; p. 233.
Die-stock, Multiple. W. V. Bulman. No. 1,274,850; Aug. 6; v. 253; p. 145.
Dieing-machine. D. M. Wright. No. 1,270,913; July 2; v. 252; p. 46.
Diesel engine, Single-acting. G. C. Davison and J. W. Anderson. No. 1,258,658; Mar. 12; v. 248; p. 246.
Differential. B. A. Adler. No. 1,252,641; Jan. 8; v. 246; p. 381.
Differential. G. A. Ungar. No. 1,273,957; July 30; v. 252; p. 1014.
Differential construction. E. U. G. Reagan. No. 1,266,712; May 21; v. 250; p. 568.
Differential mechanism. H. A. Dorman. No. 1,254,782; Jan. 29; v. 246; p. 1081.
Differential mechanism. F. V. Elbertz. No. 1,282,782; Oct. 29; v. 255; p. 854.
Differential mechanism. F. V. Elbertz. No. 1,282,783; Oct. 29; v. 255; p. 854.
Differential mechanism. J. D. Johnson. No. 1,259,521; Mar. 19; v. 248; p. 523.
Differential mechanism. J. D. Johnson. No. 1,279,118; Sept. 17; v. 254; p. 536.
Differential mechanism. F. M. Lewis. No. 1,286,362; Dec. 3; v. 257; p. 44.
Differential mechanism. W. M. Peatman. No. 1,277,471; Sept. 3; v. 254; p. 38.
Differential mechanism. F. W. Seeck. No. 1,278,231; Sept. 10; v. 254; p. 270.
Differential mechanism. C. W. Taylor. No. 1,270,897; July 2; v. 252; p. 41.
Digester and retort doors, Securing means for. P. F. Dundon. No. 1,266,926; May 21; v. 250; p. 627.
Digger: *See*—
Coal-digger.
Ditch-digger.
Grass-digger.
Peanut-digger.
Post-hole digger.
Potato-digger.
Digging-disk feeder. H. H. Barber. No. 1,256,642; Feb. 19; v. 247; p. 523.
Digging-machine. H. A. Christensen. No. 1,273,458; July 23; v. 252; p. 840.
Digging machine, Beet-. W. K. Lewis. No. 1,287,710; Dec. 17; v. 257; p. 442.
Digging machine, Ditch-. L. O. Anderson. No. 1,277,353; Sept. 3; v. 254; p. 5.
Digging machine, Peanut-. J. T. Rainer. No. 1,277,120; Aug. 27; v. 253; p. 863.
Digging-tool. E. Daly. No. 1,271,287; July 2; v. 252; p. 151.
Dilator. J. G. Homan. No. 1,279,111; Sept. 17; v. 254; p. 535.

Dilator. H. Jensen. No. 1,268,576; June 4; v. 251; p. 144.
Dining and service table, Combined. T. D. Eilers. No. 1,285,078; Nov. 19; v. 256; p. 491.
Dining-table. T. D. Jaquette. No. 1,257,871; Feb. 26; v. 247; p. 919.
Diolefins, Making. G. Mersereau. No. 1,282,906; Oct. 29; v. 255; p. 889.
Dioxydiaminoarseno-benzene, Metallic derivative of. J. Danysz. No. 1,269,792; June 18; v. 251; p. 533.
Dipper, Cream-. J. E. Love. No. 1,253,612; Jan. 15; v. 246; p. 694.
Dipper, Drinking-. H. E. Stampley. No. 1,289,568; Dec. 31; v. 257; p. 950.
Dipper-tooth. A. H. Exton. No. 1,263,874; Apr. 23; v. 249; p. 887.
Dipper-tooth. W. G. Nichols. No. 1,275,589; Aug. 13; v. 253; p. 373.
Dipping mechanism. M. F. Davoran. No. 1,255,083; Jan. 29; v. 246; p. 1166.
Direction-indicating device. M. Bergers. No. 1,259,953; Mar. 19; v. 248; p. 649.
Direction-indicator. C. C. Catterlin. No. 1,260,640; Mar. 26; v. 248; p. 882.
Direction-indicator. G. C. Cheek. No. 1,276,873; Aug. 27; v. 253; p. 797.
Direction-indicator. E. A. Colnot. No. 1,288,519; Dec. 24; v. 257; p. 668.
Direction-indicator. S. Cozel, A. Kowalczyk, and W. Nayda. No. 1,264,162; Apr. 30; v. 249; p. 999.
Direction-indicator. H. L. Day. No. 1,285,638; Nov. 26; v. 256; p. 671.
Direction-indicator. H. Hall. No. 1,261,228; Apr. 2; v. 249; p. 66.
Direction-indicator. J. Ingells. No. 1,253,040; Jan. 8; v. 246; p. 38.
Direction-indicator. J. Kralovich. No. 1,276,230; Aug. 20; v. 253; p. 584.
Direction-indicator. H. J. Lambert. No. 1,254,242; Jan. 22; v. 246; p. 893.
Direction-indicator. C. L. Poor. No. 1,289,904; Dec. 31; v. 257; p. 1032.
Direction-indicator. J. R. Rummerfield. No. 1,268,057; May 28; v. 250; p. 970.
Direction-indicator. C. O. and C. E. Sandstrom. No. 1,252,724; Jan. 8; v. 246; p. 405.
Direction-indicator. W. H. West. No. 1,262,724; Apr. 16; v. 249; p. 547.
Direction-indicator. H. A. Wright and C. W. Kennedy. No. 1,267,035; May 21; v. 250; p. 658.
Direction-indicator. H. J. Zeling. No. 1,279,210; Sept. 17; v. 254; p. 561.
Direction-indicator for motor-vehicles. S. R. Chapin. No. 1,275,131; Aug. 6; v. 253; p. 222.
Direction-signal. J. Boyer. No. 1,268,673; June 4; v. 251; p. 171.
Direction-signal. C. R. Hayhurst. No. 1,276,908; Aug. 27; v. 253; p. 805.
Direction-signal. M. E. Smith. No. 1,263,952; Apr. 23; v. 249; p. 910.
Direction-signal. R. H. Zimmerman. No. 1,271,411; July 2; v. 252; p. 184.
Directional signal. H. L. Bernhardt. No. 1,286,509; Dec. 3; v. 257; p. 81.
Directory-board, Illuminative. O. T. Webber. No. 1,289,982; Dec. 31; v. 257; p. 1051.
Dirigible light. M. C. Sharrar. No. 1,257,408; Feb. 26; v. 247; p. 781.
Dirigible of the rigid type. A. Clément-Bayard. No. 1,265,302; May 7; v. 250; p. 118.
Disappearing sprinkler. L. H. Parker. No. 1,259,902; Mar. 19; v. 248; p. 633.
Disconnecting-switch. E. M. Hewlett. No. 1,275,919; Aug. 13; v. 253; p. 466.
Disconnecting-switch. J. N. Mahoney. No. 1,264,414; Apr. 30; v. 249; p. 1070.
Dish. L. R. Poschadel. No. 1,272,996; July 16; v. 252; p. 691.
Dish, Baking-. J. Beiswanger. (Reissue.) No. 14,558; Dec. 10; v. 257; p. 384.
Dish-cleaner and mop. C. Shipherd. No. 1,255,804; Feb. 5; v. 247; p. 200.
Dish-collecting apparatus, Portable. A. G. Psiaki. No. 1,256,926; Feb. 19; v. 247; p. 607.
Dish-drier, Centrifugal. D. B. Anderson. No. 1,260,122; Mar. 19; v. 248; p. 696.
Dish-drying rack and pan. F. W. Sterling. No. 1,254,287; Jan. 22; v. 246; p. 907.
Dish-forming machine. P. R. Simmons. No. 1,273,009; July 16; v. 252; p. 694.
Dish-pan. V. G. Ponic. No. 1,284,139; Nov. 5; v. 256; p. 186.
Dish, Serving-. B. P. Jenks. No. 1,265,338; May 7; v. 250; p. 127.
Dish, Table-. A. Y. McDonald and D. Sullivan. No. 1,251,549; Jan. 1; v. 246; p. 31.
Dish-tray. C. E. R. Marsh. No. 1,261,257; Apr. 2; v. 249; p. 75.
Dish-washer. M. Da Silveira Duarte. No. 1,271,450; July 2; v. 252; p. 194.
Dish-washer. W. R. Walker. No. 1,259,939; Mar. 19; v. 248; p. 645.
Dish-washer, Mechanical. W. R. Walker. No. 1,265,010; May 7; v. 250; p. 38.
Dish-washer, Mechanical. W. R. Walker. No. 1,265,843; May 14; v. 250; p. 296.
Dish-washing machine. B. A. Bemis. No. 1,280,640; Oct. 8; v. 255; p. 171.
Dish-washing machine. J. L. Blanks. No. 1,281,493; Oct. 15; v. 255; p. 438.
Dish-washing machine. M. P. Gangewere. No. 1,279,683; Sept. 24; v. 254; p. 717.
Dish-washing machine. C. B. Hayward. No. 1,264,792; Apr. 30; v. 249; p. 1173.
Dish-washing machine. T. W. Heermans. No. 1,262,042; Apr. 9; v. 249; p. 326.
Dish-washing machine. T. W. Heermans. No. 1,262,043; Apr. 9; v. 249; p. 327.
Dish-washing machine. C. W. Hunt. No. 1,259,743; Mar. 19; v. 248; p. 586.
Dish-washing machine. J. Lutolf. No. 1,285,272; Nov. 19; v. 256; p. 539.
Dish-washing machine. H. M. Masterman. No. 1,259,653; Mar. 19; v. 248; p. 560.
Dish-washing machine. J. Vaudreuil. No. 1,262,717; Apr. 16; v. 249; p. 544.
Dish-washing machine. T. Williams. No. 1,289,588; Dec. 31; v. 257; p. 955.
Dishes or receptacles, Machine for forming. G. W. Weiland. No. 1,253,316; Jan. 15; v. 246; p. 607.
Dishes, &c., Washing apparatus for. B. F. Sparr. No. 1,281,864; Oct. 15; v. 255; p. 537.
Disinfectant, &c. A. A. Wells. No. 1,280,602; Oct. 1; v. 255; p. 135.
Disinfectant, &c. A. A. Wells. (Reissue.) No. 14,562; Dec. 10; v. 257; p. 385.
Disinfectant-holder. M. P. Kelly. No. 1,269,088; June 11; v. 251; p. 306.
Disinfectant, Liberating a gaseous. A. Eckmann. No. 1,279,524; Sept. 24; v. 254; p. 671.
Disinfectant-pad. I. Ressler. No. 1,265,957; May 14; v. 250; p. 329.
Disinfectant, Solidified soluble coal-tar-derivative. A. Franck-Philipson. No. 1,282,062; Oct. 22; v. 255; p. 629.
Disinfecting apparatus. F. W. Hooper. No. 1,277,315; Aug. 27; v. 253; p. 913.
Disinfecting apparatus. J. H. Marsh. No. 1,254,337; Jan. 22; v. 246; p. 921.
Disinfecting apparatus applicable to manholes. H. P. Conlon. No. 1,282,542; Oct. 22; v. 255; p. 761.
Disinfecting device. C. D. Keagy. No. 1,253,603; Jan. 15; v. 246; p. 691.
Disintegrating fibrous material, Apparatus for. W. H. Stopie. No. 1,263,139; Apr. 16; v. 249; p. 667.
Disintegrating-machine. W. A. Patterson. No. 1,286,757; Dec. 3; v. 257; p. 136.
Disintegrating-machine. J. R. Simpson. No. 1,258,953; Mar. 12; v. 248; p. 330.
Disk-cutting machine. C. E. McManus. No. 1,259,887; Mar. 19; v. 248; p. 628.
Disk-dispensing device. O. Jaeger. No. 1,268,250; June 4; v. 251; p. 51.
Disk drill. L. E. Waterman. No. 1,253,755; Jan. 15; v. 246; p. 735.
Disk-records, Filing-case for. M. G. Nixon and O. Smith. No. 1,274,191; July 30; v. 252; p. 1079.
Disk-washer. M. Leitch. No. 1,264,191; Apr. 30; v. 249; p. 1008.
Disk-washer. M. Leitch. No. 1,264,192; Apr. 30; v. 249; p. 1008.
Disk wheel for vehicles. R. Blakoe. No. 1,276,165; Aug. 20; v. 253; p. 566.
Dispenser. C. Bream. No. 1,280,654; Oct. 8; v. 255; p. 175.
Dispenser. F. C. H. Strasburger. No. 1,282,310; Oct. 22; v. 255; p. 698.
Dispensing and applying device, Combined. J. A. Bergmann. No. 1,260,627; Mar. 26; v. 248; p. 877.
Dispensing apparatus. L. Chevalley. No. 1,260,255; Mar. 19; v. 248; p. 733.
Dispensing apparatus. J. J. Hotchkiss. No. 1,261,935; Apr. 9; v. 249; p. 298.
Dispensing apparatus. A. D. Nicholson and W. T. Lowery. No. 1,260,433; Mar. 26; v. 248; p. 819.
Dispensing apparatus. W. Patton. No. 1,252,022; Jan. 1; v. 246; p. 171.
Dispensing apparatus. B. D. Straight. No. 1,263,815; Apr. 23; v. 249; p. 870.
Dispensing apparatus. J. M. Travis. No. 1,287,141; Dec. 10; v. 257; p. 271.
Dispensing apparatus. J. P. Truax. No. 1,257,425; Feb. 26; v. 247; p. 786.
Dispensing-apparatus indicator. L. E. Baker. No. 1,270,098; June 18; v. 251; p. 613.
Dispensing-box. W. P. Hawley. No. 1,258,003; Mar. 5; v. 248; p. 16.
Dispensing device. J. T. Bickel. No. 1,282,731; Oct. 29; v. 255; p. 839.
Dispensing device. H. G. Cordley. No. 1,260,333; Mar. 26; v. 248; p. 790.
Dispensing device. S. A. Deanes. No. 1,253,579; Jan. 15; v. 246; p. 685.

Dispensing device. W. D. Doremus. No. 1,253,218; Jan. 15; v. 246; p. 578.
Dispensing device. J. E. Hornung. No. 1,287,023; Dec. 10; v. 257; p. 240.
Dispensing device. O. Jaeger. No. 1,268,249; June 4; v. 251; p. 50.
Dispensing device. B. Jahn. No. 1,272,668; July 16; v. 252; p. 598.
Dispensing device. L. W. Luellen. No. 1,261,950; Apr. 9; v. 249; p. 302.
Dispensing device. H. Meves. No. 1,257,910; Feb. 26; v. 247; p. 930.
Dispensing device. J. G. Souther. No. 1,273,012; July 16; v. 252; p. 695.
Dispensing device. A. Sunden. No. 1,255,064; Jan. 29; v. 246; p. 1160.
Dispensing device, Article-. A. D. Theodore. No. 1,289,019; Dec. 24; v. 257; p. 789.
Dispensing device for receptacles. F. H. Vick. No. 1,259,057; Mar. 12; v. 248; p. 361.
Dispensing-machine. H. A. Black. No. 1,264,603; Apr. 30; v. 249; p. 1124.
Dispensing-machine. A. D. Grover. No. 1,284,319; Nov. 12; v. 256; p. 261.
Dispensing match-box. A. D. McGladrey. No. 1,287,373; Dec. 10; v. 257; p. 329.
Dispensing-receptacle. A. A. Reinhardt. No. 1,288,195; Dec. 17; v. 257; p. 563.
Dispensing-receptacle. C. L. Weil. No. 1,279,622; Sept. 24; v. 254; p. 699.
Dispensing receptacle or package. A. Falk. No. 1,253,222; Jan. 15; v, 246; p. 580.
Dispensing service, Article for use in practising methods of. E. C. Anthony. No. 1,260,619; Mar. 26; v. 248; p. 875.
Dispensing system. P. B. Elkins. No. 1,263,751; Apr. 23; v. 249; p. 853.
Dispensing system. J. M. Perley. No. 1,280,829; Oct. 8; v. 255; p. 225.
Dispensing vessel. H. Young. No. 1,280,934; Oct. 8; v. 255; p. 252.
Display and dispensing device. L. P. Earl. No. 1,276,630; Aug. 20; v. 253; p. 696.
Display apparatus. B. B. Bienhoff. No. 1,256,431; Feb. 12; v. 247; p. 427.
Display apparatus. H. W. McNaught. No. 1,252,597; Jan. 8; v. 246; p. 368.
Display apparatus. F. C. Thomas. No. 1,252,629; Jan. 8; v. 246; p. 378.
Display apparatus. G. M. Wiley. No. 1,271,817; July 9; v. 252; p. 329.
Display board, Paper-doll-. L. A. Buchtel. No. 1,252,772; Jan. 8; v. 246; p. 419.
Display-box. R. F. Thorndike. No. 1,263,819; Apr. 23; v. 249; p. 871.
Display - cabinet. A. E. Bezoier. No. 1,264,602; Apr. 30; v. 249; p. 1123.
Display-cabinet. G. C. Campbell. No. 1,287,216; Dec. 10; v. 257; p. 290.
Display-cabinet. T. R. Cheney. No. 1,239,657; Dec. 31; v. 257; p. 971.
Display-cabinet. J. A. Chilstrom. No. 1,267,377; May 28; v. 250; p. 780.
Display-cabinet. S. M. Fitterling. No. 1,269,414; June 11; v. 251; p. 395.
Display-cabinet. B. F. Greer. No. 1,266,457; May 14; v. 250; p. 465.
Display-cabinet. B. F. Mifflin. No. 1,252,287; Jan. 1; v. 246; p. 245.
Display-cabinet. A. S. Stallings. No. 1,261,455; Apr. 2; v. 249; p. 131.
Display-cabinet. J. J. Wetor. No. 1,255,120; Jan. 29; v. 246; p. 1176.
Display-cabinet, Grocer's. E. J. Kibby. No. 1,255,759; Feb. 5; v. 247; p. 187.
Display cabinet, Merchandise-. E. M. Cook. No. 1 282,048; Oct. 22; v. 255; p. 626.
Display cabinet, Merchandise-. O. H. Heinig. No. 1,289,758; Dec. 31; v. 257; p. 995.
Display cabinet, Molding-. G., Jr., and W. Ohde. No. 1,269,208; June 11; v. 251; p. 339.
Display-card. A. Josephson. No. 1,273.377; July 23; v. 252; p. 818.
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Display device. L. H. MacOrquodale. No. 1,288,634; Dec. 24; v. 257; p. 697.
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Door. J. E. Ogden and A. T. Prescott. No. 1,282,113; Oct. 22; v. 255; p. 644.
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Door and window construction, Metal. H. R. Gogay. No. 1,287,673; Dec. 17; v. 257; p. 433.
Door and window structure. O. L. Baxter. No. 1,266,546; May 21; v. 250; p. 520.
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Door-catch. C. J. Davidson. No. 1,265,304; May 7; v. 250; p. 118.
Door catch, Screen-. R. G. Winter. No. 1,268,657; June 4; v. 251; p. 168.
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Door-check. J. W. Craig. No. 1,288,523; Dec. 24; v. 257; p. 669.
Door-check. C. R. Dana. No. 1,278,603; Sept. 10; v. 254; p. 369.
Door-check. W. W. Hawkins. No. 1,282,419; Oct. 22; v. 255; p. 727.
Door-check. J. C. Lehmann. No. 1,254,245; Jan. 22; v. 246; p. 894.
Door-check. J. Scott. No. 1,273,937; July 30; v. 252; p. 1009.
Door check and closer. C. A. Berry. No. 1,254,877; Jan. 29; v. 246; p. 1111.
Door check and closer. P. Mikkelsen. No. 1,259,428; Mar. 12; v. 248; p. 465.
Door check and closer. J. C. Schmidt. No. 1,266,864; May 21; v. 250; p. 610.
Door-closer. T. C. Andre. No. 1,265,416; May 7; v. 250; p. 150.
Door-closer. A. T. Loftsgaarden. No. 1,281,181; Oct. 8; v. 255; p. 320.
Door closer and check. O. C. Rixson. No. 1,266,320; May 14; v. 250; p. 429.
Door closing and checking mechanism. B. W. Gair. No. 1,253,369; Jan. 15; v. 246; p. 624.
Door-column, Movable. C. C. Tomkinson and A. T. Prescott. No. 1,258,638; Mar. 5; v. 248; p. 202.
Door construction. C. A. Fullerton. No. 1,277,566; Sept. 3; v. 254; p. 64.
Door construction. C. J. Jackson. No. 1,251,779; Jan. 1; v. 246; p. 101.
Door construction, Drop-. F. Kestler. No. 1,284,111; Nov. 5; v. 256; p. 179.
Door-control mechanism. C. C. Tomkinson. No. 1,276,996; Aug. 27; v. 253; p. 829.
Door-counterbalancing system. C. C. Tomkinson. No. 1,253,302; Jan. 15; v. 246; p. 603.
Door, Disappearing garage-. G. B. Boughton. No. 1,261,686; Apr. 2; v. 249; p. 197.
Door, Electrically-controlled. C. Kroegel and R. E. Wainright. No. 1,284,368; Nov. 12; v. 256; p. 273.
Door, Electrically-operated revolving. E. C. Haviland. No. 1,278,145; Sept. 10; v. 254; p. 246.
Door extension, Detachable. E. McGraw. No. 1,253,618; Jan. 15; v. 246; p. 696.
Door-fastener. T. L. Everett. No. 1,267,647; May 28; v. 250; p. 855.
Door-fastener. R. S. Lavender. No. 1,280,048; Sept. 24; v. 254; p. 820.
Door-fastener. C. McKee. No. 1,258,234; Mar. 5; v. 248; p. 82.
Door-fastener. L. D. Reed. No. 1,277,754; Sept. 3; v. 254; p. 118.
Door-fastener, Foot-operated. A. B. Carll. No. 1,284,237; Nov. 12; v. 256; p. 238.
Door-fastener, Safety. M. K. Benoit. No. 1,288,808; Dec. 24; v. 257; p. 738.
Door-fastening. C. M. Ohlsen. No. 1,264,967; May 7; v. 250; p. 26.
Door-fastening means. B. W. Whitworth. No. 1,262,291; Apr. 9; v. 249; p. 396.
Door-fitting device. W. H. Durkee. No. 1,257,200; Feb. 19; v. 247; p. 687.
Door-flapper. E. G. Simpson. No. 1,276,276; Aug. 20; v. 253; p. 596.
Door, Flexible. F. A. Coleman. No. 1,262,643; Apr. 16; v. 249; p. 524.
Door, Folding. E. H. McCloud. No. 1,278,958; Sept. 17; v. 254; p. 496.
Door-frame, Water-cooled. L. L. Knox and G. L. Danforth, Jr. No. 1,282,861; Oct. 29; v. 255; p. 877.
Door-gage. C. C Crossley No. 1,264,371; Apr. 30; v. 249; p. 1058.

Door, Grain-. S. P. Alquist. No. 1,260,251; Mar. 19; v. 248; p. 732.
Door-guard. J. F. McElroy. No. 1,287,717; Dec. 17; v. 257; p. 444.
Door guard and lock. W. Harley, Jr. No. 1,287,978; Dec. 17; v. 257; p. 509.
Door-hanger. R. G. Criswell. No. 1,266,922; May 21; v. 250; p. 626.
Door-hanger. L. J. and W. B. Kniseley. No. 1,267,556; May 28; v. 250; p. 829.
Door-hanger. N. Miller. No. 1,253,509; Jan. 15; v. 246; p. 665.
Door-hanger. G. M. Piper. No. 1,265,952; May 14; v. 250; p. 328.
Door hanger, Sliding-. W. J. Days. No. 1,251,483; Jan. 1; v. 246; p. 9.
Door hanger, Sliding-. D. H. Townsend. No. 1,269,133; June 11; v. 251; p. 318.
Door-holder. J. C. Costello. No. 1,263,380; Apr. 23; v. 249; p. 751.
Door-holder. J. F. Golding. No. 1,255,408; Feb. 5; v. 247; p. 85.
Door-holder. J. P. Holtzhouser. No. 1,266,269; May 14; v. 250; p. 416.
Door-holder. L. L. Schomo. No. 1,263,128; Apr. 16; v. 249; p. 663.
Door-holder, Safety. W. K. Henry. No. 1,278,465; Sept. 10; v. 254; p. 331.
Door, Leer-. C. Van Siler and B. H. Purcell. No. 1,281,426; Oct. 15; v. 255; p. 421.
Door-lock. J. Codos and B. May. No. 1,258,746; Mar. 12; v. 248; p. 270.
Door-lock. D. D. Evans. No. 1,282,787; Oct. 29; v. 255; p. 855.
Door-lock. I. Hammer. No. 1,289,742; Dec. 31; v. 257; p. 992.
Door-lock. J. Lagosz. No. 1,288,618; Dec. 24; v. 257; p. 693.
Door-lock. H. Levine. No. 1,283,535; Nov. 5; v. 256; p. 26.
Door-lock. A. Nyary. No. 1,253,416; Jan. 15; v. 246; p. 640.
Door-lock. A. Oltean. No. 1,255,106; Jan. 29; v. 246; p. 1172.
Door-lock. C. A. Sherwin. No. 1,288,234; Dec. 17; v. 257; p. 572.
Door-lock. O. K. Tillman. No. 1,264,224; Apr. 30; v. 249; p. 1018.
Door-lock, Combination. M. Rega. No. 1,287,435; Dec. 10; v. 257; p. 343.
Door-lock-operating mechanism. W. B. Bolles. No. 1,280,649; Oct. 8; v. 255; p. 174.
Door-lock, Pocket. G. Kinghorn. No. 1,266,689; May 21; v. 250; p. 562.
Door-lock, Safety. B. Kovacs. No. 1,265,713; May 7; v. 250; p. 228.
Door lock, Sliding-. C. R. Brown. No. 1,264,364; Apr. 30; v. 249; p. 1055.
Door lock, Sliding-. A. W. Johnson. No. 1,256,021; Feb. 12; v. 247; p. 303.
Door lock, Sliding-. M. A. Wightman. No. 1,272,590; July 16; v. 252; p. 575.
Door-lock, Springless. J. A. Scroggins. No. 1,266,332; May 14; v. 250; p. 432.
Door locking and operating system, Jail-. D. F. Youngblood. No. 1,269,244; June 11; v. 251; p. 350.
Door-locking apparatus. A. Peter. No. 1,287,740; Dec. 17; v. 257; p. 450.
Door-locking means. L. E. Page. No. 1,274,758; Aug. 6; v. 253; p. 119.
Door-locking mechanism. W. J. Bohan. No. 1,288,487; Dec. 24; v. 257; p. 659.
Door-locking mechanism. W. H. Britton. No. 1,277,843; Sept. 3; v. 254; p. 142.
Door-locking mechanism, Sliding-. A. J. Rosentreter. No. 1,287,443; Dec. 10; v. 257; p. 345.
Door-mat. C. Spickerman. No. 1,271,094; July 2; v. 252; p. 96.
Door-mat, Automatic. P. Berdar. No. 1,277,834; Sept. 3; v. 254; p. 139.
Door, Metallic. W. L. Conwell. No. 1,270,012; June 18; v. 251; p. 591.
Door-motor. T. Farmer, Jr. No. 1,262,934; Apr. 16; v. 249; p. 607.
Door-motor. T. Farmer, Jr. No. 1,281,543; Oct. 15; v. 255; p. 451.
Door, Multisection. H. T. Goss. No. 1,264,501; Apr. 30; v. 249; p. 1094.
Door-opener. B. Becker. No. 1,267,307; May 21; v. 250; p. 732.
Door-opener. W. H. Diggs. No. 1,271,445; July 2; v. 252; p. 192.
Door-opener. E. Lovejoy. No. 1,260,561; Mar. 26; v. 248; p. 858.
Door-opener. E. Lovejoy. No. 1,289,211; Dec. 31; v. 257; p. 861.
Door-opener. C. H. Mengedoht. No. 1,269,545; June 11; v. 251; p. 430.
Door-opener. C. Rodin. No. 1,272,853; July 16; v. 252; p. 651.
Door opener and closer. E. S. Straub. No. 1,251,833; Jan. 1; v. 246; p. 119.
Door-opener, Foot-operated. J. M. Conter. No. 1,282,047; Oct. 22; v. 255; p. 625.
Door opening and closing mechanism. G. F. Jenkins. No. 1,254,696; Jan. 29; v. 246; p. 1053.
Door opening and closing mechanism. W. A. and O. H. Oleen. No. 1,270,052; June 18; v. 251; p. 601.
Door opening and closing mechanism. C. V. Smock. No. 1,268,401; June 4; v. 251; p. 95.
Door-opening mechanism. C. H. Weikert. No. 1,280,916; Oct. 8; v. 255; p. 248.
Door operating and locking device. E. J. Coleman. No. 1,282,193; Oct. 22; v. 255; p. 666.
Door-operating apparatus. P. R. Forman. No. 1,285,100; Nov. 19; v. 256; p. 496.
Door-operating device. H. Türk. No. 1,253,996; Jan. 15; v. 246; p. 803.
Door-operating device. J. S. Williamson. No. 1,253,448; Jan. 15; v. 246; p. 649.
Door-operating device, Sliding-. L. T. Weiss. No. 1,272,160; July 9; v. 252; p. 429.
Door-operating engine. F. D. Ward. No. 1,260,838; Mar. 26; v. 248; p. 937.
Door-operating lever. H. W. Crane. No. 1,284,607; Nov. 12; v. 256; p. 331.
Door-operating means. O. W. Armagost. No. 1,289,074; Dec. 31; v. 257; p. 826.
Door-operating means. W. M. Smith. No. 1,276,431; Aug. 20; v. 253; p. 641.
Door-operating means. J. G. Watts. No. 1,256,404; Feb. 12; v. 247; p. 419.
Door-operating mechanism. C. Albrecht, Jr. No. 1,257,172; Feb. 19; v. 247; p. 678.
Door-operating mechanism. A. Campbell. No. 1,255,385; Feb. 5; v. 247; p. 79.
Door-operating mechanism. P. R. Forman. No. 1,265,316; May 7; v. 250; p. 121.
Door-operating mechanism. B. F. Lewis. No. 1,260,782; Mar. 26; v. 248; p. 922.
Door-operating mechanism. L. Meyer. No. 1,265,229; May 7; v. 250; p. 98.
Door-operating mechanism. A. J. Rosentreter. No. 1,282 128; Oct. 22; v. 255; p. 649.
Door-operating mechanism. S. S. Sorrenti. No. 1,267,137; May 21; v. 250; p. 688.
Door-operating mechanism, Discharge-. M. C. Blest. No. 1,267,363; May 28; v. 250; p. 775.
Door-operating mechanism, Discharge-. C. A. Lindström. No. 1,271,334; July 2; v. 252; p. 163.
Door-operating mechanism, Drop-. R. R. Weaver. No. 1,263,007; Apr. 16; v. 249; p. 627.
Door-operating mechanism, Motor for. A. Gottschalk. No. 1,277,061; Aug. 27; v. 253; p. 846.
Door-operating mechanism, Sliding-. F. J. Fite. No. 1,277,055; Aug. 27; v. 253; p. 845.
Door or flap for bookcases, cabinets, and like furniture, Sliding. H. Page. No. 1,288,665; Dec. 24; v. 257; p. 705.
Door or sash vise. J. C. Schilling. No. 1,280,118; Sept. 24; v. 254; p. 839.
Door or window casing. O. L. Baxter. No. 1,266,547; May 21; v. 250; p. 520.
Door or window construction. O. L. Baxter. No. 1,278,827; Sept. 17; v. 254; p. 460.
Door or window securer. G. Ehrhardt. No. 1,255,996; Feb. 12; v. 247; p. 297.
Door-panel and the like. J. Regenstein. No. 1,259,287; Mar. 12; v. 248; p. 424.
Door-panels and the like, Manufacture of. J. Regenstein. No. 1,259,286; Mar. 12; v. 248; p. 423.
Door pocket, Sliding-. N. C. Huckestein. No. 1,267,415; May 28; v. 250; p. 790.
Door-post-operating device. E. H. McCloud. No. 1,283,836; Nov. 5; v. 256; p. 105.
Door-releaser. C. Miller. No. 1,251,682; Jan. 1; v. 246; p. 72.
Door-releasing mechanism. A. J. Andersson and H. E. Coburn. No. 1,287,173; Dec. 10; v. 257; p. 279.
Door, Revolving. C. T. Dawes. No. 1,273,463; July 23; v. 252; p. 841.
Door, Revolving. M. S. Rosenfeld. No. 1,283,921; Nov. 5; v. 256; p. 127.
Door-screen. B. B. Perkins. No. 1,274,933; Aug. 6; v. 253; p. 168.
Door-securer. M. E. Reed. No. 1,288,988; Dec. 24; v. 257; p. 781.
Door-securer. R. G. Tuller. No. 1,282,989; Oct. 29; v. 255; p. 913.
Door-securing device. G. E. Andrews. No. 1,277,819; Sept. 3; v. 254; p. 135.
Door-securing device. W. D. Hall. No. 1,252,003; Jan. 1; v. 246; p. 165.
Door, Sheet-metal. E. D. Fitzpatrick. No. 1,283,131; Oct. 29; v. 255; p. 950.
Door, Sheet-metal grain-. W. P. Murphy. No. 1,266,301; May 14; v. 250; p. 423.
Door, Single-section strut-supported. J. E. Ogden. No. 1,274,755; Aug. 6; v. 253; p. 118.
Door, Slidable metallic. W. L. Conwell. No. 1,270,011; June 18; v. 251; p. 590.
Door, Sliding. A. A. Hebert. No. 1,274,267; July 30; v. 252; p. 1101.

Door-spring. H. M. Mansager. No. 1,276,941; Aug. 27; v. 253; p. 814.
Door-spring. J. F. Swift. No. 1,263,623; Apr. 23; v. 249; p. 819.
Door-stacking machine. J. C. Stutz. No. 1,268,177; June 4; v. 251; p. 30.
Door stay and holder. O. C. Rixson. No. 1,263,931; Apr. 23; v. 249; p. 904.
Door-stop. G. J. Hall. No. 1,260,192; Mar. 19; v. 248; p. 715.
Door-stop. W. H. Leaver. No. 1,282,884; Oct. 29; v. 255; p. 882.
Door-stop. J. E. Ralston. No. 1,271,363; July 2; v. 252; p. 171.
Door stop and holder. L. C. Norton. No. 1,275,980; Aug. 13; v. 253; p. 483.
Door stop, Sliding-. S. S. Crawford. No. 1,258,319; Mar. 5; v. 248; p. 107.
Door, Strut-. J. E. Ogden and C. C. Tomkinson. No. 1,274,439; Aug. 6; v. 253; p. 28.
Door, Strut-. J. E. Ogden and C. C. Tomkinson. No. 1,283,545; Nov. 5; v. 256; p. 28.
Door-support. F. W. Larson. No. 1,286,664; Dec. 3; v. 257; p. 117.
Door-support. U. G. Sweeney. No. 1,264,578; Apr. 30; v. 249; p. 1116.
Door system, Interlocking. L. C. Bush. No. 1,270,264; June 25; v. 251; p. 684.
Door track, Sliding-. G. B. Kurtzon. No. 1,254,706; Jan. 29; v. 246; p. 1056.
Door, Two-section. H. T. Goss. No. 1,260,371; Mar. 26; v. 248; p. 802.
Door, Ventilating-. S. S. Haydon. No. 1,289,753; Dec. 31; v. 257; p. 994.
Door-wedging mechanism. T. Blixt and E. E. Frozeth. No. 1,251,467; Jan. 1; v. 246; p. 5.
Door, Wind and gravity balanced. T. Van Kannel. No. 1,272,732; July 16; v. 252; p. 616.
Door with interchangeable parts, Sectional cast-metal. W. L. Conwell. No. 1,270,013; June 18; v. 251; p. 591.
Door with interlocking parts, Metallic. W. L. Conwell. No. 1,270,014; June 18; v. 251; p. 592.
Doors, Adjustable buffer and antirattler for. S. B. Atwood. No. 1,269,575; June 18; v. 251; p. 470.
Doors and windows, Holder for sliding. J. F. Benson. No. 1,268,671; June 4; v. 251; p. 171.
Doors, Construction of metal. H. R. Gogay and T. F. Berrill. No. 1,281,941; Oct. 15; v. 255; p. 557.
Doors, Device for opening and closing. H. F. Franklin. No. 1,283,141; Oct. 29; v. 255; p. 952.
Doors, Device for operating and locking prison-. C. Schoenfeld. No. 1,258,260; Mar. 5; v. 248; p. 90.
Doors, Device for operating swinging. J. P. Handshaw. No. 1,284,665; Nov. 12; v. 256; p. 346.
Doors, drawers, or the like, Equalizer for sliding. F. A. Kinghan. No. 1,274,279; July 30; v. 252; p. 1104.
Doors, &c., Fastening device for. G. Scharf. No. 1,270,060; June 18; v. 251; p. 603.
Doors, gates, and the like, Locking device for. F. McManus. No. 1,284,741; Nov. 12; v. 256; p. 366.
Doors, Means for supporting sliding. E. J. G. Phillips. No. 1,259,042; Mar. 12; v. 248; p. 357.
Doors, Mechanism for automatically operating. R. Wright. No. 1,251,724; Jan. 1; v. 246; p. 84.
Doors, Mechanism for moving. J. Tacoma and C. de Vleeschouwer. No. 1,286,143; Nov. 26; v. 256; p. 796.
Doors, Mounting for sliding. P. A. Gordon. No. 1,274,872; Aug. 6; v. 253; p. 152.
Doors of buildings, Device for opening and closing. C. G Milbrandt. No. 1,255,770; Feb. 5; v. 247; p. 190.
Doors, Safety-fastening for. L. A. De Waters. No. 1,287,911; Dec. 17; v. 257; p. 492.
Doors, Self-closing pendulum-hanger for. J. H. Stewart. No. 1,275,174; Aug. 6; v. 253; p. 235.
Doors, Self-closing pendulum-hanger for. J. H. Stewart. No. 1,275,175; Aug. 6; v. 253; p. 235.
Doser. W. H. Baker. No. 1,266,383; May 14; v. 250; p. 445.
Double boiler. R. B. Smith. No. 1,283,580; Nov. 5; v. 256; p. 37.
Double exposures, Means for preventing. R. C. Peterson. No. 1,289,256; Dec. 31; v. 257; p. 872.
Doubletree. C. Bittner. No. 1,252,223; Jan. 1; v. 246; p. 226.
Dough-advancing roll. F. H. Van Houten. No. 1,253,444; Jan. 15; v. 246; p. 648.
Dough and like plastic substances, Machine for dividing. G. R. Baker. No. 1,270,097; June 18; v. 251; p. 613.
Dough and like plastic substances, Machine for molding. J. M. and F. H. Van Houten. No. 1,253,443; Jan. 15; v. 246; p. 647.
Dough, Apparatus for the treatment of. G. R. Baker. No. 1,270,096; June 18; v. 251; p. 612.
Dough-cutter. S. C. Katzinger. No. 1,253,836; Jan. 15; v. 246; p. 759.
Dough-cutting device. C. A. Thomas. No. 1,267,478; May 28; v. 250; p. 807.
Dough-dividing machine. F. Aeschbach. No. 1,259,336; Mar. 12; v. 248; p. 439.
Dough-dividing machine. F. H. Van Houten. No. 1,283,987; Nov. 5; v. 256; p. 144.
Dough for bread and the like, Predetermining the time necessary for the fermentation or rising of. A. Watkins. No. 1,254,457; Jan. 22; v. 246; p. 955.
Dough-kneading machine. E. Schiller. No. 1,280,313; Oct. 1; v. 255; p. 56.
Dough-mixer attachment. W. H. Brooks. No. 1,286,928; Dec. 10; v. 257; p. 216.
Dough, Mixing. C. J. Patterson. No. 1,279,143; Sept. 17; v. 254; p. 543.
Dough-mixing machine. B. D. Pinkney. No. 1,265,375; May 7; v. 250; p. 138.
Dough-molding machine. F. Aeschbach. No. 1,252,765; Jan. 8; v. 246; p. 417.
Dough molding, shaping, or otherwise working apparatus. E. Greenwood and A. Sharp. No. 1,271,700; July 9; v. 252; p. 299.
Dough or other plastic substances, Machine for working and shaping. J. L. Burgoyne. No. 1,258,866; Mar. 12; v. 248; p. 306.
Dough-raiser. P. C. Haubold. No. 1,276,651; Aug. 20; v. 253; p. 701.
Dough-scaling machine. F. Streich. No. 1,278,517; Sept. 10; v. 254; p. 346.
Doughnut-lifter. B. C. Magoon. No. 1,251,989; Jan. 1; v. 246; p. 161.
Doughnuts, &c., Machine for making. P. J. Wixey. No. 1,265,854; May 14; v. 250; p. 300.
Dowel-pin. B. P. Hall. No. 1,287,678; Dec. 17; v. 257; p. 434.
Doweling-jig. W. H. Heritage. No. 1,269,811; June 18; v. 251; p. 538.
Downdraft heater or boiler. W. C. McKeown. No. 1,280,788; Oct. 8; v. 255; p. 213.
Draft accelerator and ventilator. J. J. Wagner. No. 1,285,487; Nov. 19; v. 256; p. 594.
Draft and buffing gear. H. E. Van Dorn. No. 1,251,942; Jan. 1; v. 246; p. 147.
Draft and buffing gear, Friction. D. C. Davis. No. 1,283,101; Oct. 29; v. 255; p. 942.
Draft apparatus. W. C. F. Zimmerman. No. 1,279,211; Sept. 17; v. 254; p. 562.
Draft appliance. W. Atkins. No. 1,262,733; Apr. 16; v. 249; p. 550.
Draft appliance. A. N. Bessesen. No. 1,259,205; Mar. 12; v. 248; p. 402.
Draft appliance. W. H. Gerke. No. 1,271,563; July 9; v. 252; p. 260.
Draft appliance. F. Shelton. No. 1,284,157; Nov. 5; v. 256; p. 190.
Draft appliance. A. E. Studebaker. No. 1,289,571; Dec. 31; v. 257; p. 950.
Draft appliance for railway-vehicles. G. P. Ritter. No. 1,256,259; Feb. 12; v. 247; p. 375.
Draft-arm. C. J. Nash. No. 1,268,991; June 11; v. 251; p. 278.
Draft attachment. C. R. Davis. No. 1,289,407; Dec. 31; v. 257; p. 911.
Draft-bar. F. Sherwin. No. 1,272,545; July 16; v. 252; p. 561.
Draft-controlled detent. J. J. Wendel and H. W. Balsley. No. 1,286,858; Dec. 3; v. 257; p. 160.
Draft-controller. T. E. Buck. No. 1,252,773; Jan. 8; v. 246; p. 419.
Draft device. J. D. McNeill and L. R. Brown. No. 1,261,252; Apr. 2; v. 249; p. 73.
Draft device, Reduced-. T. G. Westinghouse. No. 1,276,844; Aug. 27; v. 253; p. 789.
Draft-equalizer. C. W. Christensen. No. 1,289,394; Dec. 31; v. 257; p. 907.
Draft-equalizer. S. K. Dennis. No. 1,288,530; Dec. 24; v. 257; p. 671.
Draft-equalizer. G. S. Duffin. No. 1,258,755; Mar. 12; v. 248; p. 272.
Draft-equalizer. A. Johnson. No. 1,287,029; Dec. 10; v. 257; p. 242.
Draft-equalizer. K. L. Nestegard. No. 1,267,106; May 21; v. 250; p. 678.
Draft-equalizer. J. E. Sedlacek. No. 1,274,089; July 30; v. 252; p. 1051.
Draft-evener. C. Kohn and W. D. Stitzel. No. 1,260,402; Mar. 26; v. 248; p. 810.
Draft-evener. W. L. Paul. No. 1,263,102; Apr. 16; v. 249; p. 656.
Draft-evener. F. M. Smiley. No. 1,264,698; Apr. 30; v. 249; p. 1149.
Draft for tunnel-kilns, Controllable. J. B. Owens. No. 1,289,889; Dec. 31; v. 257; p. 1028.
Draft-gage. L. M. Ellison. No. 1,262,761; Apr. 16; v. 249; p. 558.
Draft-gage. L. M. Ellison. No. 1,273,590; July 23; v. 252; p. 875.
Draft-gage. W. H. Stevens. No. 1,255,063; Jan. 29; v. 246; p. 1160.
Draft-gage. R. E. Thompson. No. 1,286,447; Dec. 3; v. 257; p. 65.
Draft-gear. J. R. Cardwell. No. 1,275,527; Aug. 13; v. 253; p. 356.
Draft-gear. C. A. Carscadin and G. A. Woodman. No. 1,287,633; Dec. 17; v. 257; p. 422.
Draft-gear. H. A. Christy. No. 1,263,374; Apr. 23; v. 249; p. 749.

Draft-gear. J. F. Courson. No. 1,256,297; Feb. 12; v. 247; p. 386.
Draft-gear. J. F. Courson. No. 1,277,870; Sept. 3; v. 254; p. 149.
Draft-gear. H. C. Priebe. No. 1,253,186; Jan. 8; v. 246; p. 541.
Draft-gear. H. C. Priebe. No. 1,253,187; Jan. 8; v. 246; p. 541.
Draft-gear. H. C. Priebe. No. 1,282,938; Oct. 29; v. 255; p. 897.
Draft-gear. H. C. Priebe. No. 1,282,939; Oct. 29; v. 255; p. 898.
Draft-gear. H. C. Priebe. No. 1,282,940; Oct. 29; v. 255; p. 898.
Draft-gear. H. C. Priebe. No. 1,282,941; Oct. 29; v. 255; p. 898.
Draft-gear. H. C. Priebe. No. 1,282,942; Oct. 29; v. 255; p. 898.
Draft-gear, Friction. G. O. Lewis. No. 1,278,360; Sept. 10; v. 254; p. 305.
Draft-gear, Friction. E. W. Newell. No. 1,255,916; Feb. 12; v. 247; p. 272.
Draft-gear, Friction. E. W. Newell. No. 1,280,282; Oct. 1; v. 255; p. 46.
Draft-gear, Friction. E. W. Newell. No. 1,281,638; Oct. 15; v. 255; p. 475.
Draft-gear, Friction. E. W. Newell. No. 1,286,724; Dec. 3; v. 257; p. 129.
Draft-gear, Friction. H. C. Priebe. No. 1,282,943; Oct. 29; v. 255; p. 899.
Draft-gear, Friction. C. W. Sherman. No. 1,251,930; Jan. 1; v. 246; p. 144.
Draft-gear, Friction. C. W. Sherman. No. 1,254,857; Jan. 29; v. 246; p. 1104.
Draft-gear, Friction. C. W. Sherman. No. 1,255,238; Feb. 5; v. 247; p. 35.
Draft-gear, Friction. A. Stucki. No. 1,264,222; Apr. 30; v. 249; p. 1017.
Draft gear, Radial-. F. R. Campbell. No. 1,267,053; May 21; v. 250; p. 663.
Draft-gear, Railway. G. Q. Lewis. No. 1,255,187; Feb. 5; v. 247; p. 22.
Draft-gear yoke. C. A. Carscadin. No. 1,283,663; Nov. 5; v. 256; p. 59.
Draft gears, Coupling-pocket for radial-. W. Blackmore. No. 1,278,838; Sept. 17; v. 254; p. 462.
Draft-preventer or weather-strip. G. W. Cummings. No. 1,278,601; Sept. 10; v. 254; p. 368.
Draft-regulator. H. V. Stevens. No. 1,278,516; Sept. 10; v. 254; p. 345.
Draft-regulator and return-trap, Automatic. M. F. Hutchison. No. 1,261,030; Apr. 2; v. 249; p. 12.
Draft-regulator for heaters, Automatic. F. J. Beers and C. E. Stamp. No. 1,268,424; June 4; v. 251; p. 101.
Draft-rigging. H. C. Amis. No. 1,255,683; Feb. 5; v. 247; p. 165.
Draft-rigging. H. C. Buhoup. No. 1,279,649; Sept. 24; v. 254; p. 707.
Draft-rigging. B. S. Johnson. No. 1,278,352; Sept. 10; v. 254; p. 302.
Draft-rigging. G. A. Johnson. No. 1,273,865; July 30; v. 252; p. 987.
Draft-rigging. W. Kelso. No. 1,279,708; Sept. 24; v. 254; p. 724.
Draft-rigging. G. Q. Lewis. No. 1,283,536; Nov. 5; v. 256; p. 26.
Draft-rigging. I. H. Milliken. No. 1,284,415; Nov. 12; v. 256; p. 286.
Draft-rigging. J. J. Tatum. No. 1,279,175; Sept. 17; v. 254; p. 552.
Draft-rigging. J. J. Tatum. No. 1,279,176; Sept. 17; v. 254; p. 552.
Draft-rigging. H. E. Van Dorn. No. 1,255,361; Feb. 5; v. 247; p. 71.
Draft-rigging for cars. A. C. McCord. No. 1,273,252; July 23; v. 252; p. 785.
Draft-rigging for cars. J. F. O'Connor. No. 1,273,908; July 30; v. 252; p. 1000.
Draft-rigging for railway-cars. W. H. Miner. No. 1,255,907; Feb. 12; v. 247; p. 270.
Draft-rigging, Friction. E. H. Schmidt. No. 1,279,016; Sept. 17; v. 254; p. 511.
Draft-rigging, Friction-guard for railway-car. J. F. O'Connor. No. 1,255,213; Feb. 5; v. 247; p. 29.
Draft-rigging, High-capacity friction. J. F. O'Connor. No. 1,278,371; Sept. 10; v. 254; p. 308.
Draft-rigging, Railway. W. A. Geiger. No. 1,255,153; Feb. 5; v. 247; p. 12.
Draft-rigging, Railway. G. A. Johnson. No. 1,258,907; Mar. 12; v. 248; p. 317.
Draft-rigging, Railway. C. B. Patch. No. 1,258,939; Mar. 12; v. 248; p. 326.
Draft-rigging, Railway. J. A. Pilcher. No. 1,263,464; Apr. 23; v. 249; p. 776.
Draft-rigging, Railway-car. A. Copony. No. 1,253,790; Jan. 15; v. 246; p. 745.
Draft-rigging, Railway-car. J. F. O'Connor. No. 1,258,935; Mar. 12; v. 248; p. 325.
Draft-rigging, Railway-car. J. F. O'Connor. No. 1,258,936; Mar. 12; v. 248; p. 325.
Draft-rigging, Railway-car. J. F. O'Connor. No. 1,265,490; May 7; v. 250; p. 170.
Draft-rigging, Railway-car. J. F. O'Connor. No. 1,273,907; July 30; v. 252; p. 999.
Draft-rigging, Railway-car. W. H. Yost. No. 1,265,414; May 7; v. 250; p. 149.
Draft-rigging, Spring. J. F. O'Connor. No. 1,253,088; Jan. 8; v. 246; p. 512.
Draft-rigging yoke. C. E. Dath. No. 1,285,951; Nov. 26; v. 256; p. 750.
Draft-riggings, Friction-gear for. J. F. O'Connor. No. 1,252,937; Jan. 8; v. 246; p. 465.
Draft-tree. G. C. Williams. No. 1,288,783; Dec. 24; v. 257; p. 733.
Drafting instrument. S. Rashkovsky. No. 1,286,770; Dec. 3; v. 257; p. 139.
Drafting machine, Pattern-. C. A. Snider. No. 1,270,338; June 25; v. 251; p. 706.
Drafting-tool. J. A. Anderson. No. 1,282,020; Oct. 22; v. 255; p. 617.
Drag. R. F. Agnew. No. 1,278,412; Sept. 10; v. 254; p. 317.
Drag and harrow, Combined. J. C. Bloomfield. No. 1,254,568; Jan. 22; v. 246; p. 987.
Drag and leveler, Road. A. C. Bowen. No. 1,267,623; May 28; v. 250; p. 849.
Drag-box. E. B. Stone. No. 1,283,351; Oct. 29; v. 255; p. 1008.
Drag, Game-trap. H. Landfried. No. 1,258,023; Mar. 5; v. 248; p. 22.
Drag, Log-. M. Fayas. No. 1,288,545; Dec. 24; v. 257; p. 675.
Drag, Road-. J. M. Bryson and J. O. Dickinson. No. 1,282,536; Oct. 22; v. 255; p. 759.
Drag, Road-. S. F. Douglass. No. 1,265,181; May 7; v. 250; p. 86.
Drag, Road-. J. S. Holub. No. 1,257,867; Feb. 26; v. 247; p. 918.
Drag, Road-. A. E. Moll. No. 1,260,242; Mar. 19; v. 248; p. 730.
Drag, Road-. E. L. Stevens. No. 1,277,661; Sept. 3; v. 254; p. 92.
Drag, Road-. A. H. Tannar. No. 1,271,099; July 2; v. 252; p. 97.
Drain-board bracket. C. Drapalik. No. 1,262,468; Apr. 9; v. 249; p. 445.
Drain-board for sinks, Detachable. O. C. Cox. No. 1,287,894; Dec. 17; v. 257; p. 488.
Drain-connector. G. Carlson. No. 1,252,548; Jan. 8; v. 246; p. 355.
Drain-coupling for porcelain troughs. J. McNeil. No. 1,253,406; Jan. 15; v. 246; p. 637.
Drain, Floor-. E. W. N. Boosey. No. 1,283,642; Nov. 5; v. 256; p. 54.
Drain-pipe. F. Q. Hartman. No. 1,259,232; Mar. 12; v. 248; p. 409.
Drain-pipe. F. Q. Hartman. No. 1,259,233; Mar. 12; v. 248; p. 409.
Drain-pipe cleaner. M. Dash. No. 1,254,125; Jan. 22; v. 246; p. 861.
Drain-pipe plug. W. W. Good and F. H. Buckman. No. 1,275,419; Aug. 13; v. 253; p. 327.
Drains, pipes, and the like, Means for removing deposit from. H. A. Cutler. No. 1,262,755; Apr. 16; v. 249; p. 556.
Drainage-gate. W. Gottschalk. No. 1,276,053; Aug. 20; v. 253; p. 535.
Drainage-pipe. H. B. Vinten. No. 1,259,684; Mar. 19; v. 248; p. 568.
Drainer, Dish-. E. Benson. No. 1,252,220; Jan. 1; v. 246; p. 225.
Drainer, Dish and silverware. I. L. Lewis. No. 1,270,631; June 25; v. 251; p. 786.
Draining device. H. F. Snyder. No. 1,271,625; July 9; v 252; p. 277.
Draining utensil. P. B. Koerner. No. 1,281,026; Oct. 8; v. 255; p. 277.
Drapery fixture, Bed-. M. A. Gerer. No. 1,259,011; Mar. 12; v. 248; p. 349.
Drapery-support. M. Klausch. No. 1,253,693; Jan. 15; v. 246; p. 718.
Drapery-support. H. Z. Losey. No. 1,284,726; Nov. 12; v. 256; p. 362.
Draw-bar. T. P. Otterson. No. 1,255,781; Feb. 5; v. 247; p. 193.
Draw-bar and yoke. G. C. Murray. No. 1,272,078; July 9; v. 252; p. 406.
Draw-bar and yoke connection. W. A. Geiger. No. 1,286,279; Dec. 3; v. 257; p. 23.
Draw-bar and yoke connection. J. Harris. No. 1,286,611; Dec. 3; v. 257; p. 104.
Draw-bar and yoke connection. S. B. Haseltine. No. 1,286,613; Dec. 3; v. 257; p. 105.
Draw-bar and yoke connection. W. H. Miner. No. 1,286,711; Dec. 3; v. 257; p. 127.
Draw-bar and yoke connection. J. F. O'Connor. No. 1,286,072; Nov. 26; v. 256; p. 779.
Draw-bar and yoke connection. J. F. O'Connor. No. 1,286,735; Dec. 3; v. 257; p. 132.
Draw-bar and yoke connection. J. F. O'Connor. No. 1,286,738; Dec. 3; v. 257; p. 133.
Draw-bar and yoke connection. C. B. Patch. No. 1,286,753; Dec. 3; v. 257; p. 136.

Draw-bar and yoke connection. C. B. Patch. No. 1,286,755; Dec. 3; v. 257; p. 136.
Draw-bar and yoke connection, Detachable. W. A. Geiger. No. 1,286,276; Dec. 3; v. 257; p. 23.
Draw-bar and yoke connection, Detachable. G. Q. Lewis. No. 1,286,669; Dec. 3; v. 257; p. 118.
Draw-bar and yoke connection, Detachable. J. F. O'Connor. No. 1,286,731; Dec. 3; v. 257; p. 131.
Draw-bar and yoke connection, Detachable. C. B. Patch. No. 1,286,754; Dec. 3; v. 257; p. 136.
Draw-bar and yoke, Detachable. J. F. O'Connor. No. 1,278,372; Sept. 10; v. 254; p. 308.
Draw-bar attachment. H. F. Woernley. No. 1,265,018; May 7; v. 250; p. 41.
Draw-bar carrier. E. Posson. No. 1,284,140; Nov. 5; v. 256; p. 186.
Draw-bar carrier. H. E. Van Dorn. No. 1,251,943; Jan. 1; v. 246; p. 148.
Draw-bar carry-iron. G. W. Rink. (Reissue.) No. 14,526; Oct. 1; v. 255; p. 141.
Draw-bar-centering device. A. C. Davidson. No. 1,259,370; Mar. 12; v. 248; p. 449.
Draw-bar, Emergency. A. A. Burkhard and W. J. McClennan. No. 1,282,185; Oct. 22; v. 255; p. 664.
Draw-bar, Safety. H. F. Ball. No. 1,252,646; Jan. 8; v. 246; p. 383.
Draw-bar, Safety. H. F. Ball. No. 1,282,169; Oct. 22; v. 255; p. 660.
Draw-bar-supporting means. D. T. Harris and J. H. Tinker. No. 1,257,344; Feb. 26; v. 247; p. 764.
Draw-bar-yoke key. C. A. Carscadin. No. 1,270,116; June 18; v. 251; p. 617.
Draw-bars and yokes, Detachable connection for standard. C. B. Patch. No. 1,286,756; Dec. 3; v. 257; p. 136.
Draw-coupling for wire cables. J. P. Cole. No. 1,257,981; Mar. 5; v. 248; p. 10.
Drawbridge. T. E. Brown. No. 1,270,925; July 2; v. 252; p. 50.
Drawer-division, Sliding. S. Nussey. No. 1,289,525; Dec. 31; v. 257; p. 939.
Drawer for jewelry-workers, Working-. A. C. Cimaglia. No. 1,270,496; June 25; v. 251; p. 749.
Drawer-lock, Electrical. B. W. Clauson. No. 1,265,054; May 7; v. 250; p. 51.
Drawer-lock for trunks. F W. Meyer. No. 1,264,321; Apr. 30; v. 249; p. 1043.
Drawer-mounting. B. Wall. No. 1,252,867; Jan. 8; v. 246; p. 444.
Drawer-operating mechanism. F. A. Coleman. No. 1,274,141; July 30; v. 252; p. 1065.
Drawer-pull and ticket-holder. B. C. Baynes. No. 1,289,363; Dec. 31; v. 257; p. 899.
Drawer pull or handle, Sunken. O. M. Otte. No. 1,286,744; Dec. 3; v. 257; p. 134.
Drawer pull or handle, Sunken. O. M. Otte. No. 1,286,745; Dec. 3; v. 257; p. 134.
Drawer, Receipt-. B. I. E. M. Ohlson and N. G. O. Lundberg. No. 1,256,360; Feb. 12; v. 247; p. 405.
Drawer-sliding device. H. T. Kemp. No. 1,288,912; Dec. 24; v. 257; p. 763.
Drawer-stop. W. T. Hormes. No. 1,285,708; Nov. 26; v. 256; p. 688.
Drawer unit, Interlocking. A. H. Schaffert. No. 1,271,083; July 2; v. 252; p. 93.
Drawers and abdominal bandage or support, Combination. L. A. R. Lichetti. No. 1,286,037; Nov. 26; v. 256; p. 771.
Drawers, Supporting-. M. F. Arrington, Jr. No. 1,254,463; Jan. 22; v. 246; p. 957.
Drawers-supporting belt attachment. C. A. Paymer. No. 1,279,753; Sept. 24; v. 254; p. 736.
Drawing apparatus, Curve-. G. Caron. No. 1,285,616; Nov. 26; v. 256; p. 665.
Drawing-board. E. Hinton. No. 1,288,584; Dec. 24; v. 257; p. 684.
Drawing-board. C. F. Johnson. No. 1,272,049; July 9; v. 252; p. 397.
Drawing-board. O. E. Sandstrom. No. 1,263,122; Apr. 16; v. 249; p. 662.
Drawing-board attachment. R. F. Duel. No. 1,288,849; Dec. 24; v. 257; p. 747.
Drawing-board attachment. E. S. Goodspeed. No. 1,288,871; Dec. 24; v. 257; p. 753.
Drawing-board holder. F. A. Strodel. No. 1,282,489; Oct. 22; v. 255; p. 746.
Drawing-board support. S. B. Ezra. No. 1,270,609; June 25; v. 251; p. 780.
Drawing device. J. Galadakes. No. 1,272,792; July 16; v. 252; p. 633.
Drawing-frame. A. J. Barber. No. 1,255,074; Jan. 29; v. 246; p. 1163.
Drawing instrument. J. A. Kirk. No. 1,281,790; Oct. 15; v. 255; p. 516.
Drawing instrument. J. A. Lanigan, Jr. No. 1,264,401; Apr. 30; v. 249; p. 1066.
Drawing instrument. M. Rivkin. No. 1,287,440; Dec. 10; v. 257; p. 344.
Drawing instrument for section-lining and for laying down and measuring angles. G. Lönnqvist. No. 1,277,962; Sept. 3; v. 254; p. 172.
Drawing, Means for teaching. J. Smith. No. 1,280,094; Sept. 24; v. 254; p. 833.
Drawing-press. B. J. Lindgren. No. 1,268,370; June 4; v. 251; p. 85.
Drawing-press, Double-acting. H. B. Sherman. No. 1,275,614; Aug. 13; v. 253; p. 380.
Drawing-ring. W. Westbury. No. 1,267,945; May 28; v. 250; p. 940.
Drawing-table, Adjustable. O. O. Wheeler. No. 1,258,510; Mar. 5; v. 248; p. 163.
Drawings, Apparatus for producing animated. E. Keen. No. 1,260,393; Mar. 26; v. 248; p. 808.
Dredge. A. W. Robinson. No. 1,272,110; July 9; v. 252; p. 415.
Dredge, Dipper-. V. G. Anderson. No. 1,269,149; June 11; v. 251; p. 322.
Dredge, Gold-. L. R. Gage, Sr. No. 1,270,142; June 18; v. 251; p. 625.
Dredge, Siphon-. J. P. Teter. No. 1,264,223; Apr. 30; v. 249; p. 1017.
Dredge, Suction-. H. M. Reid. No. 1,254,[illegible]; Jan. 22; v. 246; p. 927.
Dredge-tumbler. M. F. Apgar and C. B. Andrews. No. 1,271,990; July 9; v. 252; p. 381.
Dredge, Walking-. C. F. Wilson. No. 1,289,589; Dec. 31; v. 257; p. 955.
Dredging apparatus. W. H. Reed. No. 1,268,387; June 4; v. 251; p. 91.
Dredging device. J. W. Bailey. No. 1,285,582; Nov. 26; v. 256; p. 657.
Dredging machine, Ditch-. W. W. Billington and W. Burnett. No. 1,271,010; July 2; v. 252; p. 74.
Dredging-machines, Delivery-pipe for hydraulic. A. W. Robinson. No. 1,289,001; Dec. 24; v. 257; p. 785.
Dress. B. R. Bright. No. 1,287,859; Dec. 17; v. 257; p. 479.
Dress. R. B. Carson. No. 1,261,360; Apr. 2; v. 249; p. 105.
Dress, Child's. L. Borgenicht. No. 1,283,643; Nov. 5; v. 256; p. 55.
Dress-fastener. J. R. Fuller. No. 1,270,141; June 18; v. 251; p. 625.
Dress-form. F. B. Granger. No. 1,286,879; Dec. 3; v. 257; p. 164.
Dress-form, Adjustable. J. Kersten. No. 1,287,043; Dec. 10; v. 257; p. 245.
Dress-form adjustable standard. F. B. Granger. No. 1,286,878; Dec. 3; v. 257; p. 164.
Dress-pattern. J. Blackburn. No. 1,276,316; Aug. 20; v. 253; p. 607.
Dress-shield. V. Guinzburg. No. 1,277,916; Sept. 3; v. 254; p. 161.
Dress-shield. A. M. Lee. No. 1,257,617; Feb. 26; v. 247; p. 844.
Dress-shield and making same. R. Levi. No. 1,272,684; July 16; v. 252; p. 603.
Dressing-tray, Infant's. C. P. Tolman. No. 1,279,944; Sept. 24; v. 254; p. 793.
Dressmaking appliance. A. E. Moyer. No. 1,262,376; Apr. 9; v. 249; p. 420.
Drier: *See*—
Alimentary-paste drier.
Automatic drier.
Centrifugal drier.
Corn-drier.
Cotton-seed drier.
Curtain-drier.
Dish-drier.
Electrically-heated drier.
Fruit-drier.
Fruit and vegetable drier.
Gas-drier.
Grain-drier.
Grain and seed drier.
Hair-drier.
Kelp-drier.
Laundry-drier.
Macaroni-drier.
Paper-drier.
Paste-drier.
Photo-print drier.
Rotary drier.
Sand-drier.
Seed-corn drier.
Sensitized-plate drier.
Shoe-drier.
Tunnel-drier.
Ware-drier.
Drier. E. B. Ayres. No. 1,255,685; Feb. 5; v. 247; p. 165.
Drier. E. B. Ayres. No. 1,255,686; Feb. 5; v. 247; p. 165.
Drier. F. A. Barr. No. 1,252,650; Jan. 8; v. 246; p. 384.
Drier. F. J. Bowman. No. 1,265,298; May 7; v. 250; p. 117.
Drier. F. K. Fish, Jr. No. 1,272,649; July 16; v. 252; p. 593.
Drier. T. G. Haney. No. 1,255,162; Feb. 5; v. 247; p. 14.
Drier. C. H. Klein. No. 1,272,676; July 16; v. 252; p. 600.
Drier. A. W. Lissauer. No. 1,277,961; Sept. 3; v. 254; p. 172.
Drier. O. C. McCormick. No. 1,268,983; June 11; v. 251; p. 276.
Drier. O. C. McCormick. No. 1,283,242; Oct. 29; v. 255; p. 979.
Drier. L. C. Reed. No. 1,276,957; Aug. 27; v. 253; p. 819.
Drier. F. G. Sargent. No. 1,254,073; Jan. 22; v. 246; p. 845.
Drier. F. G. Sargent. No. 1,279,165; Sept. 17; v. 254; p. 550.
Drier. E. B. A. Zwoyer. No. 1,290,009; Dec. 31; v. 257; p. 1058.
Drier and laundry-stove, Combined. J. S. Shanks. No. 1,272,721; July 16; v. 252; p. 613.

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Driers and the like, Agitator-conveyer for. F. J. Stokes. No. 1,253,543; Jan. 15; v. 246; p. 674.
Driers, Evacuator for cylindrical. C. L. St. Clair and J. H. Hoffman. No. 1,258,055; Mar. 5; v. 248; p. 31.
Dry batteries, Shipping and storing. C. F. Burgess. No. 1,280,657; Oct. 8; v. 255; p. 176.
Dry battery. F. P. Bauman. No. 1,267,620; May 28; v. 250; p. 848.
Dry battery. E. H. Rollinson. No. 1,284,458; Nov. 12; v. 256; p. 296.
Dry cell. C. F. Burgess. No. 1,277,042; Aug. 27; v. 253; p. 841.
Dry-cell battery. H. R. Palmer. No. 1,286,750; Dec. 3; v. 257; p. 135.
Dry-cell battery. I. Pletcher. No. 1,283,292; Oct. 29; v. 255; p. 991.
Dry-cell battery. J. H. Sangers. No. 1,258,257; Mar. 5; v. 248; p. 89.
Dry-cell battery. R. F. Smith. No. 1,267,349; May 21; v. 250; p. 745.
Dry-cell battery and making same. H. R. Palmer. No. 1,271,933; July 9; v. 252; p. 362.
Dry cell, Rechargeable. M. G. Young. No. 1,272,167; July 9; v. 252; p. 430.
Dry cells, Manufacturing. L. R. Rhoades. No. 1,281,421; Oct. 15; v. 255; p. 419.
Dry closet. A. H. Moore. No. 1,267,685; May 28; v. 250; p. 865.
Dry closet. F. Pavlik, Jr. No. 1,265,368; May 7; v. 250; p. 136.
Dry closet. F. Pavlik, Jr. No. 1,276,069; Aug. 20; v. 253; p. 540.
Dry closet. F. Pavlik, Jr. No. 1,287,739; Dec. 17; v. 257; p. 450.
Dry closet. F. Pavlik, Jr. No. 1,289,251; Dec. 31; v. 257; p. 871.
Dry closet. C. V. Voelker. No. 1,270,075; June 18; v. 251; p. 607.
Dry closet, Sanitary. C. T. Heniger. No. 1,264,793; Apr. 30; v. 249; p. 1173.
Dry-dock, Sectional. J. L. Crandall. No. 1,279,084; Sept. 17; v. 254; p. 529.
Dry-dock system. J. Lake. No. 1,272,679; July 16; v. 252; p. 601.
Dry-kiln. H. Hunter. No. 1,254,142; Jan. 22; v. 246; p. 866.
Dry-kiln. C. A. Lohman. No. 1,274,911; Aug. 6; v. 253; p. 162.
Dry-kiln. F. W. Rubin. No. 1,281,212; Oct. 8; v. 255; p. 329.
Dry-kiln. H. D. Tiemann. No. 1,268,180; June 4; v. 251; p. 31.
Dry-kiln. H. D. Tiemann and N. D. Betts. No. 1,276,451; Aug. 20; v. 253; p. 646.
Dry secondary cell. J. Becker. No. 1,273,447; July 23; v. 252; p. 836.
Dry-sluice placer-gold separator. L. E. Meyer. No. 1,283,857; Nov. 5; v. 256; p. 111.
Drying and aerating machine. C. E. and W. M. Clark and J. A. Sparks. No. 1,278,593; Sept. 10; v. 254; p. 367.
Drying and aerating machines, Brake mechanism for. J. A. Sparks, C. E. and W. M. Clark. No. 1,288,453; Dec. 17; v. 257; p. 624.
Drying and the like apparatus. A. Tegoll. No. 1,268,797; June 4; v. 251; p. 207.
Drying apparatus. J. B. Adt. No. 1,255,843; Feb. 12; v. 247; p. 251.
Drying apparatus. S. S. Amdursky. No. 1,286,195; Dec. 3; v. 257; p. 3.
Drying apparatus. E. J. Cutter. No. 1,267,748; May 28; v. 250; p. 882.
Drying apparatus. A. Hirth. No. 1,266,946; May 21; v. 250; p. 633.
Drying apparatus. P. Mueller. No. 1,255,915; Feb. 12; v. 247; p. 272.
Drying apparatus. G. D. Parker. No. 1,256,825; Feb. 19; v. 247; p. 577.
Drying apparatus. J. L. Pierce. No. 1,254,431; Jan. 22; v. 246; p. 948.
Drying apparatus and drying. J. O. Ross. No. 1,287,110; Dec. 10; v. 257; p. 263.
Drying apparatus for alimentary paste, &c. P. De Martini. No. 1,278,708; Sept. 10; v. 254; p. 399.
Drying apparatus, Portable. N. E. Ewart. No. 1,267,524; May 28; v. 250; p. 820.
Drying-chamber. P. Barducci. No. 1,282,363; Oct. 22; v. 255; p. 712.
Drying china or other clay, fullers' earth, pigments, whiting, and the like, Method of and apparatus for. W. J. Gee. No. 1,274,158; July 30; v. 252; p. 1070.
Drying-frame. A. Fingado. No. 1 282,682; Oct. 22; v. 255; p. 799.
Drying gluten. G. A. Olson. No. 1,289,883; Dec. 31; v. 257; p. 1027.
Drying-machine. A. W. Hutchins. No. 1,259,101; Mar. 12; v. 248; p. 373.
Drying-machine. J. S. Johnston. No. 1,256,570; Feb. 19; v. 247; p. 502.
Drying-machine. T. C. Kelly. No. 1,261,132; Apr. 2; v. 249; p. 40.
Drying-machine. F. G. Sargent. No. 1,259,675; Mar. 19; v. 248; p. 566.
Drying-machine, Centrifugal. T. A. Bryson. No. 1,273,817; July 30; v. 252; p. 973.
Drying-machine for fibrous materials. F. G. Sargent. No. 1,281,667; Oct. 15; v. 255; p. 482.
Drying-machines for textile fabrics, Stentering or stretching device for steam can. J. R. Stevenson. No. 1,253,643; Jan. 15; v. 246; p. 703.
Drying material, Apparatus for. B. R. Andrews. No. 1,268,535; June 4; v. 251; p. 132.
Drying material, Apparatus for. B. R. Andrews. (Reissue.) No. 14,528; Oct. 8; v. 255; p. 342.
Drying material in the form of webs, Apparatus for. B. R. Andrews. No. 1,287,172; Dec. 10; v. 257; p. 279.
Drying materials in sacks and the like, Method and apparatus for. H. P. Dinesen. No. 1,271,293; July 2; v. 252; p. 153.
Drying materials in sacks or similar vessels, Apparatus for. H. P. Dinesen. No. 1,282,771; Oct. 29; v. 255; p. 851.
Drying matrices, Apparatus for. H. A. W. Wood. No. 1,286,477; Dec. 3; v. 257; p. 73.
Drying paper, pasteboard, wood-pulp, and other materials, Apparatus for. L. A. Lyche. No. 1,271,738; July 9; v. 252; p. 309.
Drying-room. J. H. Therien. No. 1,251,937; Jan. 1; v. 246; p. 146.
Drying skins, Method and apparatus for. J. W. Flanagan. No. 1,273,598; July 23; v. 252; p. 877.
Drying solid bodies containing liquid, Process and apparatus for. J. W. A. Elling. No. 1,263,392; Apr. 23; v. 249; p. 755.
Drying-tray. A. M. Lane. No. 1,289,204; Dec. 31; v. 257; p. 859.
Drying-tumbler. J. H. Ostertag. No. 1,253,520; Jan. 15; v. 246; p. 668.
Drying wet or watery materials, Apparatus for. J. R. Van Musschenbroek. No. 1,281,234; Oct. 8; v. 255; p. 335.
Drill: *See*—

Bench-drill.	Hand-drill.
Boring-drill.	Hand-operated drill.
Breast-drill.	Machine-drill.
Cloth-piercing drill.	Mine-drill.
Core-drill.	Mining-drill.
Corner-drill.	Multiple drill.
Dental drill.	Polygonal-hole drill.
Disk drill.	Radial drill.
Earth-drill.	Ratchet-drill.
Expanding drill.	Reaming-drill.
Gang-drill.	Rock-drill.
Gasolene rock-drill.	Seed-drill.
Grain-drill.	Well-drill.
Hammer-drill.	

Drill. J. R. Abbott. No. 1,278,084; Sept. 10; v. 254; p. 231.
Drill. J. Auer. No. 1,275,197; Aug. 13; v. 253; p. 266.
Drill. R. A. Conkling and W. R. Guiberson. No. 1,281,140; Oct. 8; v. 255; p. 308.
Drill. L. G. Copeman. No. 1,264,370; Apr. 30; v. 249; p. 1057.
Drill. C. B. Groff. No. 1,283,740; Nov. 5; v. 256; p. 79.
Drill. W. J. Holland. No. 1,266,467; May 14; v. 250; p. 467.
Drill. G. A. Humason. No. 1,283,193; Oct. 29; v. 255; p. 966.
Drill. R. S. Peirce. No. 1,282,928; Oct. 29; v. 255; p. 894.
Drill. R. O. Pickin. No. 1,254,267; Jan. 22; v. 246; p. 900.
Drill. H. M. Siemann. No. 1,254,859; Jan. 29; v. 246; p. 1104.
Drill-bit. J. G. Kilgore. No. 1,268,474; June 4; v. 251; p. 116.
Drill-bit puller. A. V. Lea. No. 1,262,960; Apr. 16; v. 249; p. 614.
Drill blanks, Machine for fluting twist-. O. S. Bickford. No. 1,274,502; Aug. 6; v. 253; p. 46.
Drill covering attachment. A. C. Larson. No. 1,272,466; July 16; v. 252; p. 540.
Drill device. L. M. Chance. No. 1,285,038; Nov. 19; v. 256; p. 481.
Drill device, Sighting. H. B. Hollifield. No. 1,277,932; Sept. 3; v. 254; p. 165.
Drill-extractor. C. L. Wilson. No. 1,272,749; July 16; v. 252; p. 621.
Drill-gage and countersink. J. M. Dunlap. No. 1,279,302; Sept. 17; v. 254; p. 587.
Drill-head. C. E. Reed. No. 1,279,759; Sept. 24; v. 254; p. 739.
Drill-holder. J. M. Calderwood. No. 1,273,733; July 23; v. 252; p. 912.
Drill-machine. J. A. Eden, Jr. No. 1,285,651; Nov. 26; v. 256; p. 674.
Drill-pipe, Process and apparatus for treating. F. W. Harris. No. 1,253,966; Jan. 15; v. 246; p. 794.
Drill-press table and vise-holder, Combination. G. H. Cocks. No. 1,260,513; Mar. 26; v. 248; p. 843.
Drill-presses, Automatic feed mechanism for. G. Sipp. No. 1,265,269; May 7; v. 250; p. 109.
Drill-presses, Automatic feed-starter for. P. F. Murray. No. 1,262,235; Apr. 9; v. 249; p. 380.

Drill-presses, Multiple-tool head for. B. P. Fortin. No. 1,283,135; Oct. 29; v. 255; p. 951.
Drill-presses, Work guide and support for. T. N. Phelan. No 1,267,447; May 28; v. 250; p. 799.
Drill-rod connection. J. D. Boughner. No. 1,273,724; July 23; v. 252; p. 910.
Drill-socket. F. E. Bocorselski. No. 1,278,428; Sept. 10; v. 254; p. 321.
Drill-socket. J. F. Grabill. No. 1,256,222; Feb. 12; v. 247; p. 365.
Drill-socket-retaining apparatus, Coal-. J. C. Moler. No. 1,253,511; Jan. 15; v. 246; p. 666.
Drill-steel-retaining device. C. A. Hultquist. No. 1,253,828; Jan. 15; v. 246; p. 757.
Drill-tube section. P. Boyd and A. M. Saunders. No. 1,287,203; Dec. 10; v. 257; p. 287.
Drills and the like, Adjustable support for. A. W. Peterson. No. 1,279,153; Sept. 17; v. 254; p. 546.
Drills, Boxing for. A. Walker. No. 1,273,961; July 30; v. 252; p. 1015.
Drills, Cam for square-hole. G. E. Otis. No. 1,266,148; May 14; v. 250; p. 382.
Drills, Chambering device for rock-. W. Weber. No. 1,257,561; Feb. 26; v. 247; p. 828.
Drills, Making. H. L. Barnes. No. 1,285,589; Nov. 26; v. 256; p. 659.
Drills or other rotary tools or implements, Hand-operated apparatus for rotating. A. Risk. No. 1,257,532; Feb. 26; v. 247; p. 819.
Drills, Ratchet-operating mechanism for. F. A. Jimerson. No. 1,255,315; Feb. 5; v. 247; p. 57.
Drills, Wear-compensating feed-screw for. T. Genero. No. 1,256,471; Feb. 12; v. 247; p. 437.
Drilling apparatus. G. H. Gilman. No. 1,252,375; Jan. 1; v. 246; p. 269.
Drilling apparatus. G. H. Gilman. No. 1,279,532; Sept. 24; v. 254; p. 673.
Drilling apparatus, Rotary. E. E. Greve. No. 1,259,852; Mar. 19; v. 248; p. 619.
Drilling apparatus, Rotary. E. E. Greve. No. 1,259,855; Mar. 19; v. 248; p. 620.
Drilling-bit. N. J. McKenzie. No. 1,277,970; Sept. 3; v. 254; p. 175.
Drilling-bit, Expansive. W. L. Young. No. 1,256,968; Feb. 19; v. 247; p. 620.
Drilling-block or rope guide. W. H. Garrigan. No. 1,289,149; Dec. 31; v. 257; p. 845.
Drilling holes. G. H. Gilman. No. 1,286,994; Dec. 10; v. 257; p. 233.
Drilling-machine. J. Beaudry. No. 1,272,345; July 9; v. 252; p. 480.
Drilling-machine. W. L. Clark. No. 1,272,219; July 9; v. 252; p. 444.
Drilling-machine. G. H. Gilman. No. 1,252,374; Jan. 1; v. 246; p. 269.
Drilling-machine. G. E. Hallenbeck. No. 1,256,790; Feb. 19; v. 247; p. 566.
Drilling-machine. J. B. Hasty. No. 1,253,594; Jan. 15; v. 246; p. 688.
Drilling-machine. C. A. Hultquist. No. 1,284,108; Nov. 5; v. 256; p. 178.
Drilling-machine. J. M. Short. No. 1,258,952; Mar. 12; v. 248; p. 329.
Drilling-machine. O. A. Smith. No. 1,256,180; Feb. 12; v. 247; p. 353.
Drilling-machine and gear-jack, Convertible. W. A. Hawkins. No. 1,282,079; Oct. 22; v. 255; p. 634.
Drilling machine, Horizontal-. H. R. Hughes. No. 1,285,712; Nov. 26; v. 256; p. 689.
Drilling machine, Multiple-. G. T. Trundle, Jr. No. 1,264,349; Apr. 30; v. 249; p. 1051.
Drilling, screw-cutting, and other similar machines. E. Peuch and A. Arbey. No. 1,254,933; Jan. 29; v. 246; p. 1126.
Drilling-tool joint. W. R. Childers. No. 1,253,149; Jan. 8; v. 246; p. 530.
Drinking apparatus. J. M. B. Lewis. No. 1,282,886; Oct. 29; v. 255; p. 883.
Drinking-cup. W. D. Fackler. No. 1,264,040; Apr. 23; v. 249; p. 932.
Drinking-cup. J. F. McGhee. No. 1,281,038; Oct. 8; v. 255; p. 280.
Drinking-cup. S. Thueringer. No. 1,270,462; June 25; v. 251; p. 739.
Drinking-cup attachment. G. C. Apple. No. 1,280,942; Oct. 8; v. 255; p. 254.
Drinking-cup, Collapsible. P. H. Carr. No. 1,255,133; Feb. 5; v. 247; p. 6.
Drinking-cup, Foldable. F. Glasner and G. Ellison. No. 1,253,168; Jan. 8; v. 246; p. 535.
Drinking-cup, Pocket. S. R. Gayton. No. 1,287,288; Dec. 10; v. 257; p. 307.
Drinking-cup, Sanitary stock. C. C. McCullough. No. 1,259,253; Mar. 12; v. 248; p. 414.
Drinking-cups and beverages, Apparatus for dispensing C., Jr., and H. H. Doering. No. 1,252,413; Jan. 8; v. 246; p. 315.
Drinking-fount, Portable. W. H. Miller. No. 1,258,925; Mar. 12; v. 248; p. 322.
Drinking-fountain. J. W. Brenkert. No. 1,273,322; July 23; v. 252; p. 802.
Drinking-fountain. J. J. Donovan. No. 1,283,110; Oct. 29; v. 255; p. 945.
Drinking-fountain. A. F. Effrig. No. 1,270,504; June 25; v. 251; p. 751.
Drinking-fountain. B. Kaminsky. No. 1,253,251; Jan. 15; v. 246; p. 588.
Drinking-fountain. G. M. Page. No. 1,276,258; Aug. 20; v. 253; p. 591.
Drinking-fountain. J. W. Ramsdell. No. 1,278,999; Sept. 17; v. 254; p. 507.
Drinking-fountain. J. D. Ramsey. No. 1,265,955; May 14; v. 250; p. 329.
Drinking-fountain. R. M. Smythe. No. 1,276,820; Aug. 27; v. 253; p. 783.
Drinking-fountain. H. W. Taylor. No. 1,286,835; Dec. 3; v. 257; p. 155.
Drinking-fountain, Bubbler. C. T. Miller. No. 1,275,719; Aug. 13; v. 253; p. 410.
Drinking-fountain bubbler. D. Wright. No. 1,283,008; Oct. 29; v. 255; p. 918.
Drinking-fountain, Poultry. E. O. Soucy. No. 1,269,874; June 18; v. 251; p. 556.
Drinking-fountain, Sanitary. J. P. Farley. No. 1,288,542; Dec. 24; v. 257; p. 674.
Drinking-fountain, Sanitary. P. Bockmier, Jr. No. 1,279,233; Sept. 17; v. 254; p. 567.
Drinking-fountain, Sanitary. J. W. Ramsdell. No. 1,278,998; Sept. 17; v. 254; p. 507.
Drinking-fountain, Stock. L. R. Butcher. No. 1,269,048; June 11; v. 251; p. 294.
Drinking-glass guard. W. H. Butler. No. 1,269,902; June 18; v. 251; p. 563.
Drinking-glass holder. F. E. Sandburg, (now by judicial change of name F. E. Sanburn). No. 1,276,419; Aug. 20; v. 253; p. 637.
Drinking-receptacle for cattle. J. B. Olson. No. 1,274,440; Aug. 6; v. 253; p. 28.
Drinking-stopper. E. C. Rimple. No. 1,260,813; Mar. 26; v. 248; p. 930.
Drinking-straw and container. H. A. Brand. No. 1,254,115; Jan. 22; v. 246; p. 858.
Drip-cup. P. Frazer. No. 1,264,049; Apr. 23; v. 249; p. 935.
Drip-cup and support. H. G. Cordley. No. 1,256,206; Feb. 12; v. 247; p. 360.
Drip-cup and wiper, Combined. A. R. McCann. No. 1,258,129; Mar. 5; v. 248; p. 53.
Drip-pan alarm. P. F. Duffy. No. 1,272,782; July 16; v. 252; p. 630.
Drive attachment. H. P. Suhl. No. 1,288,271; Dec. 17; v. 257; p. 581.
Drive, Chain. E. Schneider. No. 1,258,472; Mar. 5; v. 248; p. 152.
Drive-chains, Machine for wearing in. F. L. Morse. No. 1,255,912; Feb. 12; v. 247; p. 271.
Drive, Friction-. T. W. Graham. No. 1,271,158; July 2; v. 252; p. 114.
Drive, Heat-balance duplex. D. K. Dean. No. 1,267,386; May 28; v. 250; p. 782.
Drive mechanism. J. W. Fitz Gerald. No. 1,262,318; Apr. 9; v. 249; p. 402.
Drive mechanism. H. Grob. No. 1,261,746; Apr. 2; v. 249; p. 211.
Drive mechanism for motor-vehicles, Four-wheel. T. F. Ledbetter. No. 1,258,126; Mar. 5; v. 248; p. 52.
Drive mechanism, Forward and reverse. E. Rathbun. No. 1,274,781; Aug. 6; v. 253; p. 125.
Drive mechanism, Four-wheel. C. W. Kennedy. No. 1,253,606; Jan. 15; v. 246; p. 692.
Drive mechanism, Four-wheel. C. W. Kennedy. No. 1,270,167; June 18; v. 251; p. 632.
Drive mechanism, Four-wheel. O. Reiche. No. 1,262,562; Apr. 9; v. 249; p. 472.
Drive mechanism, Front-axle. E. H. Oversmith. No. 1,252,609; Jan. 8; v. 246; p. 372.
Drive, Roller-bearing worm. E. O. Coats. No. 1,256,440; Feb. 12; v. 247; p. 429.
Drive-shaft-tube support. H. O., W. L., and E. A. Ekern. No. 1,254,488; Jan. 22; v. 246; p. 964.
Drive. Variable reversible shaft-. G. S. Nickum. No. 1,271,207; July 2; v. 252; p. 129.
Drive-wheel. F. Diehl. No. 1,253,795; Jan. 15; v. 246; p. 746.
Driving and braking mechanism. W. F. Emerson. No. 1,280,428; Oct. 1; v. 255; p. 87.
Driving and reversing apparatus. M. Walker. No. 1,286,162; Nov. 26; v. 256; p. 801.
Driving and steering mechanism. J. J. Weier. No. 1,260,495; Mar. 26; v. 248; p. 838.
Driving and steering wheel, Combined. W. J. Evans. No. 1,269,068; June 11; v. 251; p. 300.
Driving and steering mechanism, Combined. A. E. Minium. No. 1,265,358; May 7; v. 250; p. 134.
Driving and stopping mechanism. M. T. Denne. No. 1,272,016; July 9; v. 252; p. 388.
Driving and stopping mechanism. A. R. Schoenky. No. 1,265,529; May 7; v. 250; p. 179.
Driving and stopping mechanism. W. A. Smith. No. 1,289,293; Dec. 31; v. 257; p. 882.
Driving apparatus. R. P. Champney. No. 1,252,550; Jan. 8; v. 246; p. 355.

Alphabetical list of inventions—Continued.

Driving apparatus for horses and other animals. L. S. Pace. No. 1,257,734; Feb. 26; v. 247; p. 880.
Driving belt or chain. F. W. Camp. No. 1,254,389; Jan. 22; v. 246; p. 936.
Driving-box. A. W. Simmons. No. 1,289,562; Dec. 31; v. 257; p. 949.
Driving-box side-motion plate. C. Markel. No. 1,275,958; Aug. 13; v. 253; p. 476.
Driving connection. G. M. Eaton. No. 1,280,000; Sept. 24; v. 254; p. 808.
Driving connection, Resilient. G. H. F. Holy. No. 1,275,029; Aug. 6; v. 253; p. 195.
Driving device. A. H. De Voe. No. 1,260,760; Mar. 26; v. 248; p. 916.
Driving implement. C. W. Holbrook. No. 1,288,892; Dec. 24; v. 257; p. 758.
Driving means. A. E. Lewis. No. 1,278,485; Sept. 10; v. 254; p. 336.
Driving-means-controlling mechanism. P. Daimler and M. Friz. No. 1,269,581; June 18; v. 251; p. 472.
Driving mechanism. L. G. Adams. No. 1,265,583; May 7; v. 250; p. 193.
Driving mechanism. A. W. Altorfer. No. 1,251,854; Jan. 1; v. 246; p. 125.
Driving mechanism. A. W. Altorfer. No. 1,269,573; June 18; v. 251; p. 470.
Driving mechanism. C. O. Coons. No. 1,276,622; Aug. 20; v. 253; p. 693.
Driving mechanism. A. C. Culver. No. 1,285,631; Nov. 26; v. 256; p. 669.
Driving mechanism. I. S. Dement. No. 1,275,158; Aug. 6; v. 253; p. 230.
Driving mechanism. T. Ditmars. No. 1,255,299; Feb. 5; v. 247; p. 53.
Driving mechanism. K. F. Elers. No. 1,258,631; Mar. 5; v. 248; p. 200.
Driving mechanism. J. B. Entz. No. 1,282,786; Oct. 29; v. 255; p. 855.
Driving mechanism. W. Evensen. No. 1,257,830; Feb. 26; v. 247; p. 907.
Driving mechanism. P. Giliberti. No. 1,262,772; Apr. 16; v. 249; p. 561.
Driving mechanism. C. T. Henderson. No. 1,270,028; June 18; v. 251; p. 596.
Driving mechanism. R. Janney. No. 1,254,695; Jan. 29; v. 246; p. 1053.
Driving mechanism. J. M. Johnson. No. 1,276,074; Aug. 20; v. 253; p. 541.
Driving mechanism. W. J. P. Moore. No. 1,251,557; Jan. 1; v. 246; p. 33.
Driving mechanism. F. Müller. No. 1,273,903; July 30; v. 252; p. 998.
Driving mechanism. W. B. Pedelty. No. 1,258,446; Mar. 5; v. 248; p. 145.
Driving mechanism. T. C. Prouty. No. 1,260,447; Mar. 26; v. 248; p. 823.
Driving mechanism. W. G. Shelton. No. 1,269,752; June 18; v. 251; p. 520.
Driving mechanism. J. Wingerson. No. 1,259,817; Mar. 19; v. 248; p. 607.
Driving mechanism. K. J. Unger. No. 1,283,985; Nov. 5; v. 256; p. 144.
Driving mechanism, Compensating reversible. J. D. Allen. No. 1,264,744; Apr. 30; v. 249; p. 1160.
Driving mechanism. Differential. A. P. Brush. No. 1,285,017; Nov. 19; v. 256; p. 476.
Driving mechanism for operating devices. S. E. Schroeder and C. W. Bird. No. 1,288,694; Dec. 24; v. 257; p. 712.
Driving mechanism for side-delivery rakes and the like. E. Estep. No. 1,285,963; Nov. 26; v. 256; p. 753.
Driving-signal. H. Rabbes. No. 1,287,432; Dec. 10; v. 257; p. 342.
Driving-wheel for mechanical tractors. H. Hallam. No. 1,284,097; Nov. 5; v. 256; p. 174.
Driving-wheel for mechanical tractors. H. Hallam. No. 1,284,098; Nov. 5; v. 256; p. 174.
Drop-light-winding device. C. V. Johnson. No. 1,254,698; Jan. 29; v. 246; p. 1054.
Dropper: *See*—
Aerial bomb-dropper. Feed-dropper.
Drum. S. M. Badger. No. 1,277,285; Aug. 27; v. 253; p. 905.
Drum. H. A. Bower. No. 1,252,878; Jan. 8; v. 246; p. 447.
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Drum. T. Wilson. No. 1,254,757; Jan. 29; v. 246; p. 1072.
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Egg-carrier. F. Kronenberger. No. 1,257,252; Feb. 19; v. 247; p. 702.
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Egg-case, Collapsible. L. E. Voigts. No. 1,257,770; Feb. 26; v. 247; p. 889.
Egg-case machine. A. N. Weidenbach. No. 1,260,107; Mar. 19; v. 248; p. 692.
Egg-container, Postal. R. Bucher. No. 1,281,504; Oct. 15; v. 255; p. 440.
Egg-crate, Collapsible. J. A. Straley. No. 1,286,828; Dec. 3; v. 257; p. 153.
Egg-crate, Folding. H. McTavish. No. 1,288,434; Dec. 17; v. 257; p. 618.
Egg-grader. O. C. White. No. 1,259,181; Mar. 12; v. 248; p. 397.
Egg-holder. J. P. Stourm. No. 1,278,248; Sept. 10; v. 254; p. 275.
Egg-poacher. L. D. Hossick. No. 1,285,709; Nov. 26; v. 256; p. 688.
Eggs, Preserving. G. Fütterer. No. 1,286,989; Dec. 10; v. 257; p. 232.
Egg-receptacle. F. E. De la Mota. No. 1,267,988; May 28; v. 250; p. 951.
Egg, Sanitary artificial nest-. A. T. Carson. No. 1,263,527; Apr. 23; v. 249; p. 794.
Egg-separator. A. Wicke. No. 1,262,420; Apr. 9; v. 249; p. 432.
Egg separator and beater, Combined. P. Tripke. No. 1,282,148; Oct. 22; v. 255; p. 654.
Egg-shipping package. J. M. Harr. No. 1,268,347; June 4; v. 251; p. 79.
Egg-tester. C. C. McCormick. No. 1,266,695; May 21; v. 250; p. 563.
Egg-tester. S. L. McKee. No. 1,260,783; Mar. 26; v. 248; p. 923.
Egg-treating machinery. O. F. Holmberg. No. 1,270,755; June 25; v. 251; p. 818.
Egg-turner. O. F. Holmberg. No. 1,270,756; June 25; v. 251; p. 818.
Egg-turner for incubators. I. G. Light. No. 1,264,664; Apr. 30; v. 249; p. 1140.
Egg-turning mechanism for incubators. A. T. Pope. No. 1,275,303; Aug. 13; v. 253; p. 295.
Egg-turning tray. W. J. Dudley and T. A. Richard. No. 1,270,931; July 2; v. 252; p. 51.
Egg-whip. E. H. Ryerson. No. 1,268,284; June 4; v. 251; p. 61.
Eggs and product thereof, Preserving. A. Duke. No. 1,261,724; Apr. 2; v. 249; p. 206.
Eggs, Preserving. M. Kasser. No. 1,264,657; Apr. 30; v. 249; p. 1139.
Eggs, Recovering substances from fresh, decomposed, or partially decomposed. J. M. Hussey. No. 1,277,727; Sept. 3; v. 254; p. 110.
Ejector apparatus. R. Suczek. No. 1,282,977; Oct. 29; v. 255; p. 909.
Elastic-fluid engine. R. F. Halliwell. No. 1,269,535; June 11; v. 251; p. 427.
Elastic mass and manufacture of same. E. S. Ali Cohen, No. 1,280,129; Oct. 1; v. 255; p. 3.
Elastic-strip-feeding means. J. P. Weis. No. 1,277,008; Aug. 27; v. 253; p. 832.
Elastic wheel. M. S. De Carmona. No. 1,272,923; July 16; v. 252; p. 671.
Elastic wheel. S. C. Hatfield. No. 1,286,307; Dec. 3; v. 257; p. 30.
Elastic wheel. J. Shanda. No. 1,258,477; Mar. 5; v. 248; p. 153.

Elaterite, Apparatus for treating. A. Maxwell. No. 1,259,260; Mar. 12; v. 248; p. 416.
Elbow-joint for artificial arms. Q. D. Corley. No. 1,273,461; July 23; v. 252; p. 840.
Electric accumulator. H. Leitner and W. H. Exley. No. 1,275,448; Aug. 13; v. 253; p. 335.
Electric alarm. E. S. Taber. No. 1,254,864; Jan. 29; v. 246; p. 1107.
Electric apparatus, Distribution system for vapor. C. A. Kraus and R. D. Mailey. No. 1,272,463; July 16; v. 252; p. 539.
Electric apparatus, Housing for. A. R. Meacham. No. 1,257,375; Feb. 26; v. 247; p. 772.
Electric apparatus, Vapor. F. Conrad. No. 1,285,947; Nov. 26; v. 256; p. 749.
Electric apparatus, Windings and insulation for. E. G. Reed. No. 1,259,444; Mar. 12; v. 248; p. 469.
Electric arcs, Stretching out double or multiple. F. H. A. Wielgolaski. No. 1,287,808; Dec. 17; v. 257; p. 468.
Electric battery. W. C. Bauer. No. 1,289,609; Dec. 31; v. 257; p. 960.
Electric battery. R. C. Benner. No. 1,276,714; Aug. 27; v. 253; p. 756.
Electric battery. R. C. Benner and H. F. French. No. 1,255,283; Feb. 5; v. 247; p. 48.
Electric battery. R. C. Benner and H. F. French. No. 1,289,365; Dec. 31; v. 257; p. 900.
Electric battery. R. C. Benner and H. F. French. No. 1,289,366; Dec. 31; v. 257; p. 900.
Electric battery. N. K. Chaney. No. 1,287,634; Dec. 17; v. 257; p. 422.
Electric battery. R. W. Erwin. No. 1,282,057; Oct. 22; v. 255; p. 628.
Electric battery. H. F. French. No. 1,289,433; Dec. 31; v. 257; p. 918.
Electric battery. W. Grothe. No. 1,276,754; Aug. 27; v. 253; p. 766.
Electric battery. H. F. French and R. C. Benner. No. 1,285,054; Nov. 19; v. 256; p. 484.
Electric battery. C. W. Hazelett. No. 1,260,379; Mar. 26; v. 248; p. 804.
Electric battery. E. L. Marshall. No. 1,281,409; Oct. 15; v. 255; p. 416.
Electric battery. L. R. Rhoades. No. 1,273,000; July 16; v. 252; p. 692.
Electric battery. D. H. Wilson. No. 1,276,604; Aug. 20; v. 253; p. 689.
Electric-battery anode. W. Grothe. No. 1,287,676; Dec. 17; v. 257; p. 433.
Electric-battery depolarizer. M. E. Holmes. No. 1,281,372; Oct. 15; v. 255; p. 406.
Electric battery, Multicell. A. V. St. Armande. No. 1,277,147; Aug. 27; v. 253; p. 871.
Electric block-signal system. R. V. Collins. No. 1,286,946; Dec. 10; v. 257; p. 220.
Electric boiler. J. N. Fuller. No. 1,270,140; June 18; v. 251; p. 625.
Electric bulbs or other articles of glassware, Machine for scoring, cracking off, and glazing. A. B. Knight. No. 1,251,541; Jan. 1; v. 246; p. 28.
Electric-cable-protecting apparatus. S. N. Baruch. No. 1,270,362; June 25; v. 251; p. 711.
Electric-cable protection. J. H. Bowden and H. F. J. Thompson. No. 1,257,452; Feb. 26; v. 247; p. 794.
Electric candle and the like. C. J. Klein. No. 1,252,587; Jan. 8; v. 246; p. 366.
Electric channeling-machine. A. Ball. No. 1,275,156; Aug. 6; v. 253; p. 229.
Electric circuit and designating same, Controlling an. J. M. Carley. No. 1,281,288; Oct. 15; v. 255; p. 381.
Electric-circuit-breaking device. F. S. Perrin. No. 1,289,255; Dec. 31; v. 257; p. 872.
Electric-circuit-changing apparatus. J. Bijur. No. 1,271,535; July 9; v. 252; p. 252.
Electric circuit, Clock-controlled. J. W. Bryce. No. 1,260,317; Mar. 26; v. 248; p. 786.
Electric-circuit-controlling mechanism. J. B. Wantz. No. 1,272,879; July 16; v. 252; p. 659.
Electric-circuit-controlling switch. F. J. Camatta. No. 1,267,181; May 21; v. 250; p. 700.
Electric-circuit protector. S. N. Baruch. No. 1,281,482; Oct. 15; v. 255; p. 435.
Electric-circuit protector. F. A. MacCallum. No. 1,252,919; Jan. 8; v. 246; p. 459.
Electric circuits, Connector for. J. Pehrsson. No. 1,278,202; Sept. 10; v. 254; p. 262.
Electric circuits, Control of. B. H. Arnold. No. 1,273,719; July 23; v. 252; p. 908.
Electric circuits, Cut-out for. N. J. Conrad. No. 1,254,886; Jan. 29; v. 246; p. 1113.
Electric circuits, Electromechanical make-and-break movement for. F. D. d'Hamale. No. 1,282,388; Oct. 22; v. 255; p. 719.
Electric circuits, Heat-coil protective device for. L. E. Dickinson. No. 1,273,158; July 23; v. 252; p. 760.
Electric circuits, Means for controlling. W. O. Kennington. No. 1,273,378; July 23; v. 252; p. 818.
Electric circuits, Protective device for. L. E. Dickinson. No. 1,252,412; Jan. 8; v. 246; p. 314.
Electric combination-lock. H. A. Marchant. No. 1,283,845; Nov. 5; v. 256; p. 107.
Electric conducting cable or wire. C. P. Brodhun. No. 1,285,012; Nov. 19; v. 256; p. 474.
Electric conductor. C. W. Adams. No. 1,274,493; Aug. 6; v. 253; p. 44.
Electric conductor. C. J. Beaver and E. A. Claremont. No. 1,256,863; Feb. 19; v. 247; p. 589.
Electric conductor. W. C. Hayman. No. 1,267,868; May 28; v. 250; p. 919.
Electric conductor. W. G. Houskeeper. No. 1,271,320; July 2; v. 252; p. 160.
Electric conductor, Insulated. W. L. Bliss. No. 1,257,669; Feb. 26; v. 247; p. 859.
Electric-conductor plug. O. Bahle and T. Siebert, Jr. No. 1,251,618; Jan. 1; v. 246; p. 52.
Electric conductors, Connection for. J. H. Lockwood. No. 1,251,983; Jan. 1; v. 246; p. 159.
Electric conductors, Plug and plug-receptacle for. O. Bahls and T. Siebert, Jr. No. 1,265,163; May 7; v. 250; p. 81.
Electric conductors, Tap-connector for. M. F. Finkelstein. No. 1,266,440; May 14; v. 250; p. 460.
Electric conduits, Retaining-clamp for. W. P. Hyatt and W. C. Stringer. No. 1,288,902; Dec. 24; v. 257; p. 761.
Electric connector. J. Berg. No. 1,271,999; July 9; v. 252; p. 384.
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Electric connector. G. A. Burnham. No. 1,259,452; Mar. 12; v. 248; p. 472.
Electric connector. M. F. Finkelstein. No. 1,266,441; May 14; v. 250; p. 461.
Electric connector. F. A. Tefft. No. 1,254,172; Jan. 22; v. 246; p. 874.
Electric contact device. G. Honold. No. 1,263,247; Apr. 16; v. 249; p. 694.
Electric contact device. G. Honold. No. 1,264,797; Apr. 30; v. 249; p. 1174.
Electric controller. E. A. Spurr. No. 1,275,780; Aug. 13; v. 253; p. 427.
Electric controller. R. W. Stanley. No. 1,289,059; Dec. 24; v. 257; p. 799.
Electric controller. O. H. Torgersen. No. 1,267,714; May 28; v. 250; p. 874.
Electric controller. H. S. Valentine. No. 1,266,180; May 14; v. 250; p. 392.
Electric controller. K. M. Walley. No. 1,267,483; May 28; v. 250; p. 808.
Electric-controller-operating mechanism. N. A. McKelvey. No. 1,275,061; Aug. 6; v. 253; p. 205.
Electric controlling system. A. D. Cardwell. No. 1,279,652; Sept. 24; v. 254; p. 708.
Electric-cord protector. C. R. Dodge. No. 1,251,991; Jan. 1; v. 246; p. 162.
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Electric coupling device. T. R. Brown. No. 1,263,520; Apr. 23; v. 249; p. 792.
Electric coupling device. T. R. Brown. No. 1,263,521; Apr. 23; v. 249; p. 792.
Electric current, Means for controlling. V. M. Harris. No. 1,268,348; June 4; v. 251; p. 79.
Electric currents, Multiplying the frequency of. I. Shoenberg. No. 1,269,011; June 11; v. 251; p. 284.
Electric currents, Oil-switch for high-tension. H. L. Mathers. No. 1,277,981; Sept. 3; v. 254; p. 178.
Electric currents or potentials, Method of and means for controlling. I. Langmuir. No. 1,273,627; July 23; v. 252; p. 885.
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Electric cut-outs, Shell-holder for. G. Heineman. No. 1,274,543; Aug. 6; v. 253; p. 59.
Electric device, Vapor. D. M. Moore. No. 1,255,549; Feb. 5; v. 247; p. 127.
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Electric-discharge device. W. R. Whitney. No. 1,267,827; May 28; v. 250; p. 906.
Electric-fan deflector. R. C. White. No. 1,285,519; Nov. 19; v. 256; p. 601.
Electric fitting. G. C. Knauff. No. 1,260,400; Mar. 26; v. 248; p. 809.
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Electric fitting. S. B. Van Ranst. No. 1,261,874; Apr. 9; v. 249; p. 281.
Electric fixture. A. A. Bowser. No. 1,264,887; May 7; v. 250; p. 5.
Electric fixture. D. Conlan, Jr. No. 1,252,403; Jan. 8; v. 246; p. 311.
Electric fixture. G. A. Harter. No. 1,261,024; Apr. 2; v. 249; p. 10.
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Electric flasher. J. Walton. No. 1,268,652; June 4; v. 251; p. 166.
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Electric furnace. W. E. Moore. No. 1,272,077; July 9; v. 252; p. 406.
Electric furnace. H. Nathusius. No. 1,265,945; May 14; v. 250; p. 326.
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Electric furnace. L. G. Rowand. No. 1,289,056; Dec. 24; v. 257; p. 798.
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Electric furnace. L. L. Simpson. No. 1,288,240; Dec. 17; v. 257; p. 574.
Electric furnace. F. T. Snyder. No. 1,254,077; Jan. 22; v. 246; p. 846.
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Electric furnace and supplying current thereto. J. H. Gray. No. 1,278,635; Sept. 10; v. 254; p. 377.
Electric-furnace regulator. F. W. Smith. No. 1,282,478; Oct. 22; v. 255; p. 743.
Electric furnaces and the like, Apparatus for charging. F. T. Snyder. No. 1,276,586; Aug. 20; v. 253; p. 683.
Electric generator. R. M. Warren. No. 1,274,115; July 30; v. 252; p. 1058.
Electric-generator cut-in and cut-out device. H. C. H. Smyth. No. 1,288,452; Dec. 17; v. 257; p. 624.
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Electric generator, Turbine-driven. A. S. Dysart. No. 1,255,589; Feb. 5; v. 247; p. 138.
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Electric gravity-battery. D. H. Wilson. No. 1,289,030; Dec. 24; v. 257; p. 791.
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Electric heater. J. Berg and L. W. Golder. No. 1,258,641; Mar. 12; v. 248; p. 241.
Electric heater. E. N. Brown. No. 1,255,814; Feb. 5; v. 247; p. 202.
Electric heater. S. M. and J. H. Carmean. No. 1,280,960; Oct. 8; v. 255; p. 258.
Electric heater. S. M. and J. H. Carmean. No. 1,288,506; Dec. 24; v. 257; p. 664.
Electric heater. W. S. Hadaway, Jr. No. 1,257,599; Feb. 26; v. 247; p. 840.
Electric heater. A. R. Huntington. No. 1,287,323; Dec. 10; v. 257; p. 316.
Electric heater. C. E. Magnusson and L. F. Curtis. No. 1,260,564; Mar. 26; v. 248; p. 859.
Electric heater. G. J. Schneider. No. 1,263,350; Apr. 16; v. 249; p. 721.
Electric heater. G. J. Schneider. No. 1.263,351; Apr. 16; v. 249; p. 722.
Electric heater and boiler, Combined. N. Bergeron. No. 1,258,642; Mar. 12; v. 248; p. 241.
Electric-heater element. F. G. Clark, P. Ackerman, and C. E. Cansfield. No. 1,269,052; June 11; v. 251; p. 296.
Electric heater, Flexible. A. E. Grapp. No. 1,257,339; Feb. 26; v. 247; p. 762.
Electric heater unit. L. V. Leonard. No. 1,278,484; Sept. 10; v. 254; p. 336.
Electric heaters, Process and mechanism for the production of. M. U. Schoop. No. 1,256,599; Feb. 19; v. 247; p. 511.
Electric heating and tempering, Method of and apparatus for. H. P. Macdonald and E. M. Huggins. No. 1,274,919; Aug. 6; v. 253; p. 164.
Electric heating apparatus. E. B. Dice. No. 1,284,257; Nov. 12; v. 256; p. 243.
Electric heating by high-frequency currents, Method and apparatus for. E. F. Northrup. No. 1,286,394; Dec. 3; v. 257; p. 51.
Electric heating device. A. F. Berry. No. 1,287,192; Dec. 10; v. 257; p. 284.
Electric heating device. E. Fowler. No. 1.283,137; Oct. 29; v. 255; p. 951.
Electric heating device. W. K. Kearsley, Jr. No. 1,256,571; Feb. 19; v. 247; p. 502.
Electric heating devices, Circuit-closer for. H. E. Welchel and A. A. McCray. No. 1,289,332; Dec. 31; v. 257; p. 892.
Electric-heating system. S. M. and J. H. Carmean. No. 1,288,507; Dec. 24; v. 257; p. 664.
Electric igniter. E. J. Kane. No. 1,280,105; Sept. 24; v. 254; p. 836.
Electric igniter. J. Krannichfeldt. No. 1,263,256; Apr. 16; v. 249; p. 697.
Electric immersion-heater. F. Kuhn and J. A. Hand. No. 1,288,044; Dec. 17; v. 257; p. 526.
Electric-impulse sender. H. J. Herink. No. 1,264,517; Apr. 30; v. 249; p. 1099.
Electric installation, Conduit-cap for. W. H. Vibber. No. 1,266,887; May 21; v. 250; p. 616.
Electric iron. G. Bullock and A. E. Templeman. No. 1,282,038; Oct. 22; v. 255; p. 622.
Electric iron. G. Bullock and A. E. Templeman. No. 1 282,039; Oct. 22; v. 255; p. 623.
Electric iron. G. Bullock and A. E. Templeman. No. 1,282,040; Oct. 22; v. 255; p. 623.
Electric iron. M. Levinson. No. 1,272,063; July 9; v. 252; p. 402.
Electric iron. P. J. Lincoln. No. 1,289,210; Dec. 31; v. 257; p. 861.
Electric iron. C. Martinsen. No. 1,277,453; Sept. 3; v. 254; p. 34.
Electric irons, Automatic switch for. J. C. Griesel. No. 1,275,552; Aug. 13; v. 253; p. 363.
Electric irons, Automatic temperature control for. S. L. Goldsbrough. No. 1,284,649; Nov. 12; v. 256; p. 342.
Electric-light-bowl hanger. A. J. Peterson. No. 1,281,999; Oct. 15; v. 255; p. 571.
Electric-light bulbs, Composition for and process of coating. C. E. Franche. No. 1,259,505; Mar. 19; v. 248; p. 519.
Electric light, Buttonhole. E. F. Thomas. No. 1,271,390; July 2; v. 252; p. 178.
Electric-light cables, Adjuster for. A. Nesbitt. No. 1,263,795; Apr. 23; v. 249; p. 865.
Electric-light extension. R. H. McDaniel. No. 1,270,636; June 25; v. 251; p. 787.
Electric-light-extension device. J. B. Drumm. No. 1,268,102; June 4; v. 251; p. 10.
Electric-light fixture. L. C. Bair. No. 1,260,853; Mar. 26; v. 248; p. 941.
Electric-light fixture. J. H. Dale. No. 1,254,210; Jan. 22; v. 246; p. 884.
Electric-light fixture. J. O. Gill. No. 1,270,025; June 18; v. 251; p. 595.
Electric-light fixture. H. Rubin. No. 1,276,966; Aug. 27; v. 253; p. 821.
Electric-light fixture. A. Seim. No. 1,251,699; Jan. 1; v. 246; p. 77.
Electric-light flasher, Magnet thermal. M. C. Ryan. No. 1,251,825; Jan. 1; v. 246; p. 117.
Electric light for inspecting sunken vessels. W. Z. Pulliam. No. 1,258,810; Mar. 12; v. 248; p. 289.
Electric-light handle. E. T. Clark and E. O. Ericson. No. 1,286,228; Dec. 3; v. 257; p. 11.
Electric-light holder, Adjustable. M. Balke. No. 1,285,897; Nov. 26; v. 256; p. 737.
Electric light, Portable. B. Benedict. No. 1,254,114; Jan. 22; v. 246; p. 857.
Electric light, Portable. J. T. Drufva. No. 1,272,781; July 16; v. 252; p. 629.
Electric light, Portable. J. T. Drufva. No. 1,287,262; Dec. 10; v. 257; p. 301.
Electric light, Portable. J. T. Drufva. No. 1,287,918; Dec. 17; v. 257; p. 495.
Electric light, Portable. J. T. Drufva. No. 1,287,919; Dec. 17; v. 257; p. 495.
Electric light, Portable. W. D. Kahn. No. 1,264,525; Apr. 30; v. 249; p. 1101.
Electric light, Portable. H. La Vine. No. 1,261,824; Apr. 9; v. 249; p. 268.
Electric light, Portable. H. Rothenberg. No. 1,289,274; Dec. 31; v. 257; p. 877.
Electric light, Safety. G. W. Wacker. No. 1,288,304; Dec. 17; v. 257; p. 589.
Electric-light socket. J. C. Forsyth. No. 1,276,634; Aug. 20; v. 253; p. 697.
Electric-light socket. L. W. Friedel. No. 1,259,612; Mar. 19; v. 248; p. 549.
Electric-light socket. A. C. Ryder. No. 1,287,449; Dec. 10; v. 257; p. 346.
Electric-light-socket holder. J. Williamson. No. 1,284,012; Nov. 5; v. 256; p. 150.
Electric-light support. H. C. Bryant. No. 1,285,018; Nov. 19; v. 256; p. 476.
Electric-light support. P. J. Riviere. No. 1,289,913; Dec. 31; v. 257; p. 1035.
Electric-light switch. G. d. C. Santostefano. No. 1,253,147; Jan. 8; v. 246; p. 529.
Electric-light switches, Attachment for operating. W. S. Searles. No. 1,289,557; Dec. 31; v. 257; p. 947.
Electric lighting and starting units, Means for supporting. F. E. Fisher. No. 1,273,170; July 23; v. 252; p. 763.

Electric-lighting apparatus. W. H. Honsberger. No. 1,256,691; Feb. 19; v. 247; p. 538.
Electric-lighting apparatus. F. J. Todd. No. 1,258,827; Mar. 12; v. 248; p. 294.
Electric-lighting apparatus. G. Wright. No. 1,271,980; July 9; v. 252; p. 378.
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Electric-lighting fixture. G. A. Boomer. No. 1,261,477; Apr. 2; v. 249; p. 136.
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Electric-lighting system. W. S. Mason. No. 1,273,258; July 23; v. 252; p. 786.
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Electric-lighting system for carousels. G. H. Cramer. No. 1,274,993; Aug. 6; v. 253; p. 185.
Electric lines, Means for connecting. L. O. Bygrave. No. 1,269,903; June 18; v. 251; p. 563.
Electric lock-switch. W. H. Parker. No. 1,262,694; Apr. 16; v. 249; p. 538.
Electric locking device. F. J. Collar. No. 1,253,788; Jan. 15; v. 246; p. 745.
Electric machine. C. F. Kettering and W. A. Chryst. No. 1,284,365; Nov. 12; v. 256; p. 273.
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Electric machine, Dynamo-. S. R. Bergman. No. 1,265,594; May 7; v. 250; p. 196.
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Electric machine, Dynamo-. R. W. Davis and R. B. Williamson. No. 1,279,666; Sept. 24; v. 254; p. 712.
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Electric machine, Dynamo-. G. M. Eaton. No. 1,267,993; May 28; v. 250; p. 953.
Electric machine, Dynamo-. G. M. Eaton. No. 1,275,003; Aug. 6; v. 253; p. 187.
Electric machine, Dynamo-. H. W. Eichbaum. No. 1,275,665; Aug. 13; v. 253; p. 396.
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Electric machine, Dynamo-. R. E. Hellmund. No. 1,260,670; Mar. 26; v. 248; p. 890.
Electric machine, Dynamo-. R. E. Hellmund. No. 1,261,999; Apr. 9; v. 249; p. 315.
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Electric machine, Dynamo-. R. E. Hellmund. No. 1,275,916; Aug. 13; v. 253; p. 465.
Electric machine, Dynamo-. R. E. Hellmund and C. W. Starker. No. 1,261,386; Apr. 2; v. 249; p. 162.
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Electric time-switches, Setting means for. A. W. Voedisch. No. 1,263,296; Apr. 16; v. 249; p. 707.
Electric toe-softener. O. Heath. No. 1,258,633; Mar. 5; v. 248; p. 201.
Electric tool. A. Wendelburg. No. 1,262,148; Apr. 9; v. 249; p. 355.
Electric traffic-indicator. T. W. Crisman and A. G. Brehm. No. 1,285,052; Nov. 19; v. 256; p. 484.
Electric translating apparatus. P. C. Hewitt. No. 1,286,316; Dec. 3; v. 257; p. 32.
Electric translating apparatus. P. C. Hewitt. No. 1,286,882; Dec. 3; v. 257; p. 165.
Electric transmitting system. O. A. A. Tenow and E. G. Ahnstrom. No. 1,261,870; Apr. 9; v. 249; p. 280.
Electric utensils, Protective device for. F. E. Carlson. No. 1,264,868; Apr. 30; v. 249; p. 1194.
Electric vibrator. R. Stockinger. No. 1,270,342; June 25; v. 251; p. 707.
Electric water-heater. E. C. Webster. No. 1,288,774; Dec. 24; v. 257; p. 731.
Electric-wave signaling, Selective. J. H. Hammond, Jr. No. 1,274,264; July 30; v. 252; p. 1100.
Electric-wire clamp. E. S. Damon. No. 1,282,383; Oct. 22; v. 255; p. 718.
Electric-wire conduit. D. H. Murphy. No. 1,254,344; Jan. 22; v. 246; p. 923.
Electric-wire conduit. Metal. C. W. Abbott. No. 1,252,314; Jan. 1, v. 246; p. 252.
Electric-wire conduits, &c., Coupling device for. G. A. Johnson. No. 1,275,439; Aug. 13; v. 253; p. 333.
Electric-wire coupling. C. W. Weaver. No. 1,257,054; Feb. 19; v. 247; p. 645.
Electric wiring, Bushing for. J. J. Duck. No. 1,251,487; Jan. 1; v. 246; p. 11.
Electrical accumulator. E. A. Catté. No. 1,277,389; Sept. 3; v. 254; p. 16.
Electrical apparatus. J. Orth. No 1,275,083; Aug. 6; v. 253; p. 210.
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Electrical apparatus, Core construction for. G. L. Ringland. No. 1,286,782; Dec. 3; v. 257; p. 142.
Electrical apparatus, Protective means for. F. C. Green. No. 1,275,151; Aug. 6; v. 253; p. 228.
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Electrical appliance. C. H. Bissell and E. G. Smith. No. 1,265,294; May 7; v. 250; p. 116.
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Electrical attachment-plug. J. G. Peterson. No. 1,279,427; Sept. 17; v. 254; p. 621.
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Electrical conductor and mounting same in electrical apparatus. R. Rüdenberg. No. 1,285,398; Nov. 19; v. 256; p. 571.
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Electrical system of distribution. J. W. Jepson. No. 1,287,331; Dec. 10; v. 257; p. 317.
Electrical system of regulation and starting. W. A. Turbayne. No. 1,252,511; Jan. 8; v. 246; p. 343.
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Electrical winding. J. J. Frank and W. O. Dwyer. No. 1,253,166; Jan. 8; v. 246; p. 534.
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Electrically-heated tank or reservoir. F. G. Clark, P. Ackerman, and C. E. Cansfield. No. 1,284,876; Nov. 12; v. 256; p. 401.
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Electrically-operated switch. T. Varney and H. L. Beach. No. 1,251,848; Jan. 1; v. 246; p. 123.
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Electricity, Means and apparatus for extracting static. J. H. Morgan and C. W. Huntley. No. 1,275,585; Aug. 13; v. 253; p. 372.
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Electricity, Means and method for metering. E. O. Schweitzer. No. 1,264,982; May 7; v. 250; p. 30.
Electricity, Means for utilizing. W. S. Burke. No. 1,257,801; Feb. 26; v. 247; p. 898.
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Electrode for electric-arc lamps. F. Buchanan. No. 1,253,572; Jan. 15; v. 246; p. 683.
Electrode for electric welding-machines. G. H. Schkommodau. No. 1,267,463; May 28; v. 250; p. 803.
Electrode for luminous arc electric lamps and making the same. F. Buchanan. No. 1,258,984; Mar. 12; v. 248; p. 340.
Electrode for use in electric furnaces and for other purposes. H. Nathusius. No. 1,268,483; June 4; v. 251; p. 118.
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Electrode-holder. F. T. Snyder. No. 1,254,080; Jan. 22; v. 246; p. 847.
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Electrode-shielding device. D. E. Carpenter. No. 1,264,270; Apr. 30; v. 249; p. 1029.
Electrode, Storage-battery. T. Spencer. No. 1,260,472; Mar. 26; v. 248; p. 830.
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Electrolytic cell. F. H. Nickle. No. 1,278,724; Sept. 10; v. 254; p. 402.
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Automobile-elevator.
Bucket elevator.
Coal-elevator.
Grain-elevator.
Hydraulic elevator.
Latch-elevator.
Liquid-elevator.
Pneumatic elevator.
Portable elevator.
Steam hydraulic elevator.
Sucker-rod elevator.
Sucker-rod, tubing, and casing elevator.
Elevator. H. Barlow. No. 1,279,967; Sept. 24; v. 254; p. 798.
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Elevator-controlling apparatus. D. C. Larson. No. 1,286,358; Dec. 3; v. 257; p. 43.
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Elevator-heads, Back-stop for. F. R. McQueen. No. 1,283,539; Nov. 5; v. 256; p. 27.
Elevator-landing gate. J. L. Needlinger. No. 1,263,921; Apr. 23; v. 249; p. 901.
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Emulsifier. M. Leitch. No. 1,266,501; May 14; v. 250; p. 477.
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Enamel composition and manufacturing it. P. Eyer. No. 1,256,456; Feb. 12; v. 247; p. 433.
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Enameling apparatus. J. F. Dodge and H. C. Allen. No. 1,268,778; June 4; v. 251; p. 200.
Enameling composition. B. A. Vient. No. 1,251,710; Jan. 1; v. 246; p. 80.
Enameling-powder distributer. W. Lindsay. No. 1,273,632; July 23; v. 252; p. 887.
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End-gate. B. F. Erwin. No. 1,271,024; July 2; v. 252; p. 77.
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End-gate. G. W. Meyer and E. Tweed. No. 1,281,992; Oct. 15; v. 255; p. 569.
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End-gate. P. E. Schindele. No. 1,253,431; Jan. 15; v. 246; p. 644.
End-gate. J. F. Smith. No. 1,252,854; Jan. 8; v. 246; p. 441.
End-gate fastener. T. H. Eaton. No. 1,268,943; June 11; v. 251; p. 265.
End-gate fastener. G. H. Larson. No. 1,269,615; June 18; v. 251; p. 483.
End-gate fastener. H. W. May. No. 1,257,625; Feb. 26; v. 247; p. 847.
End-gate fastener. L. P. Wells. No. 1,475,338; Aug. 13; v. 253; p. 305.
End-gate rod. J. Sander. No. 1,268,496; June 4; v. 251; p. 121.
End-gate, Wagon. C. F. Graeber, G. I. Dunaway, and A. P. Graeber. No. 1,270,026; June 18; v. 251; p. 595.
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Energies, System for the successive amplification of. A. M. Nicolson. No. 1,255,211; Feb. 5; v. 247; p. 28.
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Engine: *See*—
- Automobile-engine.
- Beating-engine.
- Combustion-engine.
- Compressed-air engine.
- Diesel engine.
- Door-operating engine.
- Duplex engine.
- Elastic-fluid engine.
- Expansion-engine.
- Explosion-engine.
- Explosive-engine.
- Fire-engine.
- Fluid-operated turbine-engine.
- Gas-engine.
- Gas or vapor engine.
- Heat-engine.
- Hoisting-engine.
- Hot-air engine.
- Hydrocarbon-engine.
- Internal-combustion engine.
- Kerosene-engine.
- Locomotive-engine.
- Logging-engine.
- Motor-engine.
- Multicylinder engine.
- Oil-engine.
- Oscillating engine.
- Piston-engine.
- Reciprocating engine.
- Refining-engine.
- Rotary engine.
- Rotary explosion-engine.
- Rotary internal-combustion engine.
- Rotary steam-engine.
- Rotary turbine-engine.
- Rotary-valve engine.
- Rotating combustion-engine.
- Steam-engine.
- Stump-pulling engine.
- Toy engine.
- Toy steam-turbine engine.
- Traction-engine.
- Turbine-engine.
- Two-cycle engine.
- V-type engine.

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Engine. T. F. Brackett. No. 1,282,180; Oct. 22; v. 255; p. 662.
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Engine. C. F. Faupel. No. 1,289,424; Dec. 31; v. 257; p. 915.
Engine. J. B. Ferguson. No. 1,258,665; Mar. 12; v. 248; p. 248.
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Engine. G. N. Hickey. No. 1,252,436; Jan. 8; v. 246; p. 321.
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Engine. F. W. Johnstone. No. 1,280,484; Oct. 1; v. 255; p. 102.
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Engine. G. I. Leonard. No. 1,279,373; Sept. 17; v. 254; p. 607.
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Engine. W. L. Shepard. No. 1,283,575; Nov. 5; v. 256; p. 35.
Engine. M. Tibbetts. No. 1,272,323; July 9; v. 252; p. 474.
Engine. A. Vlk. No. 1,283,375; Oct. 29; v. 255; p. 1014.
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Engine-bearing burning-in and oil-burning machine. E. J. Miles. No. 1,274,304; July 30; v. 252; p. 1110.
Engine-bearings, Machine for working in. T. H. Jacob. No. 1,281,382; Oct. 15; v. 255; p. 409.
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Engines and other purposes, Ignition arrangement for internal-combustion. H. A. Humphrey. No. 1,258,335; Mar. 5; v. 248; p. 112.
Engines and the like, Bed-plate and segment for beating-. J. A. De Cew. No. 1,287,905; Dec. 17; v. 257; p. 491.
Engines and the like, Hot-plate apparatus for explosive-. H. F. Shepherd. No. 1,258,156; Mar. 5; v. 248; p. 60.
Engines, Apparatus for proportioning the charge of fuel and air in internal-combustion. L. S. Stevens. No. 1,269,757; June 18; v. 251; p. 522.
Engines, Apparatus for supplying liquid fuel to internal-combustion. V. G. Barford. No. 1,263,839; Apr. 23; v. 249; p. 877.
Engines, Arrangement for securing connecting-rods to the single cranks of fixed or rotary radial-cylindered. C. Mullet. No. 1,287,398; Dec. 10; v. 257; p. 335.
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Engines, Attachment for internal-combustion. H. B. Kinney. No. 1,258,910; Mar. 12; v. 248; p. 318.
Engines, Attachment for internal-combustion. E. T. Sinclair. No. 1,265,268; May 7; v. 250; p. 109.
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Engines, Automatic air device for gas-. C. A. Rivers. (Reissue.) No. 14,561; Dec. 10; v. 257; p. 384.
Engines, Automatic fuel-feed for automobile-. E. A. Huene. No. 1,254,596; Jan. 22; v. 246; p. 995.
Engines, Automatic intermittent control for internal-combustion. G. C. Olmsted. No. 1,269,637; June 18; v. 251; p. 489.
Engines, Automatic spark control for internal-combustion. F. V. Schmid. No. 1,284,471; Nov. 12; v. 256; p. 299.
Engines, Auxiliary air device for internal-combustion. H. E. F. Hawkins. No. 1,272,950; July 16; v. 252; p. 678.
Engines, Auxiliary air-intake for. D. G. Eno and G. E. Pease. No. 1,277,560; Sept. 3; v. 254; p. 63.
Engines, Auxiliary air-supply device for internal-combustion. W. Gerold. No. 1,268,112; June 4; v. 251; p. 13.
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Engines, Cam-shaft driving-gear of internal-combustion. F. H. Royce. No. 1,277,129; Aug. 27; v. 253; p. 866.
Engines, Carbureting apparatus for internal-combustion. R. M. Brown. No. 1,270,486; June 25; v. 251; p. 746.
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Engines, Combined manifold and humidified-air-injecting device for internal-combustion. P. Orance. No. 1,259,123; Mar. 12; v. 248; p. 381.
Engines, Combined starting and ignition apparatus for internal-combustion. J. K. Delano. No. 1,263,868; Apr. 23; v. 249; p. 885.
Engines, Condenser-remover for internal-combustion. W. G. Heginbottom. No. 1,289,168; Dec. 31; v. 257; p. 850.
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Engines, Cooling system for internal-combustion. E. Camden. No. 1,284,177; Nov. 5; v. 256; p. 195.
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Engines, Cooling system for internal-combustion. W. F. Hudson. No. 1,285,711; Nov. 26; v. 256; p. 689.
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Engines, Device for indicating the faulty operation of ignition-valves and carbureters of internal-combustion. O. T. Papke. No. 1,286,751; Dec. 3; v. 257; p. 135.
Engines, Device for starting and scavenging two-cycle. R. Hennig. No. 1,259,398; Mar. 12; v. 248; p. 457.
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Engines, Electric starter for internal-combustion. A. H. Midgley. No. 1,254,923; Jan. 29; v. 246; p. 1123.
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Engines, Electrical starting system for internal-combustion. C. A. Soans. No. 1,282,969; Oct. 29; v. 255; p. 907.
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Engines, Vaporizing system for internal-combustion. J. Good. No. 1,261,512; Apr. 2; v. 249; p. 148.
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Envelop. T. D. Oakley. No. 1,276,101; Aug. 20; v. 253; p. 548.
Envelop. E. A. Tannenbaum. No. 1,258,062; Mar. 5; v. 248; p. 33.
Envelop. C. W. Tullar. No. 1,273,956; July 30; v. 252; p. 1014.
Envelop. H. L. Weiss. No. 1,287,804; Dec. 17; v. 257; p. 467.
Envelop. Y. Yoshino. No. 1,269,669; June 18; v. 251; p. 497.
Envelop. G. Zerbe. No. 1,272,169; July 9; v. 252; p. 431.
Envelop and fastener therefor. G. H. Fahrenbruch. No. 1,280,694; Oct. 8; v. 255; p. 187.
Envelop and letter-paper pad. W. J. Kennedy. No. 1,269,610; June 18; v. 251; p. 481.
Envelop and letter-sheet, Combined. J. P. Beardsley. No. 1,261,474; Apr. 2; v. 249; p. 135.
Envelop-clasp. G. Rottman. No. 1,253,427; Jan. 15; v. 246; p. 643.
Envelop-closure. O. R. Hadley. No. 1,272,428; July 16; v. 252; p. 529.
Envelop, Coin-. B. R. Callow. No. 1,259,209; Mar. 12; v. 248; p. 403.
Envelop, Coupon-. V. W. Alexander. No. 1,265,159; May 7; v. 250; p. 79.
Envelop, Double safety-. A. Kramer. No. 1,285,238; Nov. 19; v. 256; p. 531.
Envelop, Duplex. W. B. Hollingshead. No. 1,252,804; Jan. 8; v. 246; p. 427.
Envelop-fastener. L. F. Thiel. No. 1,277,156; Aug. 27; v. 253; p. 874.
Envelop-fastener strip. A. Novick. No. 1,274,754; Aug. 6; v. 253; p. 118.
Envelop-fastening device. A. Schleber. No. 1,252,848; Jan. 8; v. 246; p. 440.
Envelop, Installment-pay. W. Toennes. No. 1,283,975; Nov. 5; v. 256; p. 141.
Envelop, Letter-sheet. H. Clausen. No. 1,254,001; Jan. 15; v. 246; p. 804.
Envelop, Lockable tuck-flap. R. J. McBreen. No. 1,281,614; Oct. 15; v. 255; p. 469.
Envelop-machine. H. Y. Armstrong. No. 1,269,672; June 18; v. 251; p. 498.
Envelop-machine. C. F. Brown. No. 1,268,674; June 4; v. 251; p. 172.
Envelop-machine. C. O. Ekvall. No. 1,254,666; Jan. 29; v. 246; p. 1043.
Envelop-machine. W. P. Huguelet. No. 1,253,383; Jan. 15; v. 246; p. 629.
Envelop-machine. L. E. Labombarde and M. H. Sidebotham. No. 1,253,054; Jan. 8; v. 246; p. 502.
Envelop-machine. A. Novick. No. 1,288,144; Dec. 17; v. 257; p 551.
Envelop-machine. W. E. Swift. No. 1,282,314; Oct. 22; v. 255; p. 699.
Envelop-machine. W. E. Swift. No. 1,285,839; Nov. 26; v. 256; p. 723.
Envelop-machine. J. E. Trevor. No. 1,252,968; Jan. 8; v. 246; p. 475.
Envelop-machine. J. E. Trevor. No. 1,252,969; Jan. 8; v. 246; p. 476.
Envelop-machine. E. P. Waterhouse. No. 1,271,250; July 2; v. 252; p. 140.
Envelop machine, Window-. G. W. Swift, Jr. No. 1.275,788; Aug. 13; v. 253; p. 430.
Envelop-making machine. J. H. Bruninga. No. 1,259,354; Mar. 12; v. 248; p. 444.
Envelop-making machine. W. P. Huguelet. No. 1,265,663; May 7; v. 250; p. 214.
Envelop-making machine. I. L. Young. No. 1,270,581; June 25; v. 251; p. 772.
Envelop-moistener. W. D. Croaker. No. 1,287,246; Dec. 10; v. 257; p. 297.
Envelop-opener. L. Brudick. No. 1,267,372; May 28; v. 250; p. 779.
Envelop-opener. N. Cunningham. No. 1,254,208; Jan. 22; v. 246; p. 884.
Envelop-opener. F. Mastrangelo. No. 1,281,046; Oct. 8; v. 255; p. 282.
Envelop-opener and paper-knife. J. W. Ivory. No. 1,259,405; Mar. 12; v. 248; p. 459.
Envelop-opening machine. E. A. Bircher. No. 1,273,318; July 23; v. 252; p. 801.
Envelop-opening machine. J. V. Washburne. No. 1,265,844; May 14; v. 250; p. 296.
Envelop, Safety-. E. R. Darr. No. 1,278,115; Sept. 10; v. 254; p. 239.
Envelop, Safety-. C. C. Freeborn, Sr. No. 1,285,974; Nov. 26; v. 256; p. 756.
Envelop, Safety-. J. A. Hall. No. 1,285,687; Nov. 26; v. 256; p. 683.
Envelop, Seal-. E. Reed. No. 1,282,629; Oct. 22; v. 255; p. 785.
Envelop, Window-. C. O. Ekvall. No. 1,256,539; Feb. 19; v. 247; p. 493.
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Envelops and the gumming of paper, Composition of matter to be used for the manufacture of. V. G. Bloede. No. 1,268,672; June 4; v. 251; p. 171.
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Envelops, &c., Apparatus for applying fastenings to. W. Richardson. No. 1,286.414; Dec. 3; v. 257; p. 57.
Envelops, Banding apparatus for. F. B. Powers. No. 1,261,612; Apr. 2; v. 249; p. 175.
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Envelops, Machine for attaching flap-securing means to. W. E. Swift. No. 1,274,346; July 30; v. 252; p. 1120.
Envelops, Machine for making window-. W. H. Banzett. No. 1,265,987; May 14; v. 250; p. 337.
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Envelops, Making open-face. G. W. Swift, Jr. No. 1,275,323; Aug. 13; v. 253; p. 301.
Envelops, Making window-. W. E. Swift. No. 1,264,346; Apr. 30; v. 249; p. 1050.
Envelops, Making window-. G. W. Swift, Jr. No. 1,276,282; Aug. 20; v. 253; p. 598.
Envelops, Manufacturing window-. G. W. Swift, Jr. No. 1,276,990; Aug. 27; v. 253; p. 827.
Envelops to be addressed, Carrier for. W. A. Staley. No. 1,288,252; Dec. 17; v. 257; p. 577.
Eraser. W. C. Steers. No. 1,284,808; Nov. 12; v. 256; p. 382.
Eraser and making same, Blackboard-. R. A. Costello. No. 1,277,552; Sept. 3; v. 254; p. 60.
Eraser attachment, Pencil. E. G. Balch. No. 1,267,955; May 28; v. 250; p. 942.
Eraser-cleaning apparatus. J. A. Jones. No. 1,279,350; Sept. 17; v. 254; p. 601.
Eraser-guard. L. W. Faber. No. 1,276,511; Aug. 20; v. 253; p. 663.
Erasers, Holder for cleaning blackboard-. H. L. Wilson. No. 1,276,470; Aug. 20; v. 253; p. 652.
Erasing device. L. E. Hansen. No. 1,260,377; Mar. 26; v. 248; p. 803.
Erasing device or board. P. Hays. No. 1,281,365; Oct. 15; v. 255; p. 404.
Escapement and transfer mechanism. R. L. Wilcox. No. 1,286,469; Dec. 3; v. 257; p. 71.
Escapement device. A. J. Chaînat. No. 1,273,734; July 23; v. 252; p. 912.
Escapement device. P. Neill. No. 1,274,749; Aug. 6; v. 253; p. 116.
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Esters. Manufacture of. A. Helbronner and G. E. Criquebeuf. No. 1,260,977; Mar. 26; v. 248; p. 974.
Esthesiometer. T. Karatsu. No. 1,269,820; June 18; v. 251; p. 540.
Etchable surfaces, Machine for guide-marking a plurality of. E. S. Beach. No. 1,265,988; May 14; v. 250; p. 338.
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Etching-machine. C. N. Wendelgass. No. 1,254,751; Jan. 29; v. 246; p. 1070.
Etching, Process and apparatus for. J. H. Weeks. No. 1,276,599; Aug. 20; v. 253; p. 687.
Etching steel or other like plates. W. S. Eaton. No. 1,275,408; Aug. 13; v. 253; p. 325.

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Ethyl-isopropyl-barbituric acid. L. Thorp. No. 1,255,951; Feb. 12; v. 247; p. 282.
Evaporated apples. R. W. King. No. 1,259,636; Mar. 19; v. 248; p. 555.
Evaporated apples, Preparing. R. W. King. No. 1,259,634; Mar. 19; v. 248; p. 555.
Evaporated fruit, Preparing. R. W. King. No. 1,259,633; Mar. 19; v. 248; p. 555.
Evaporated fruits. R. W. King. No. 1,259,637; Mar. 19; v. 248; p. 555.
Evaporated vegetable product. R. W. King. No. 1,259,635; Mar. 19; v. 248; p. 555.
Evaporated vegetables, Preparing. R. W. King. No. 1,259,631; Mar. 19; v. 248; p. 554.
Evaporated vegetables, Preparing. R. W. King. No. 1,259,632; Mar. 19; v. 248; p. 555.
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Evaporating apparatus. C. R. Harris. No. 1,258,563; Mar. 5; v. 248; p. 179.
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Evaporating device. J. C. Siegle. No. 1,285,813; Nov. 26; v. 256; p. 717.
Evaporating liquids, Method and apparatus for. W. T. Hoofnagle. No. 1,263,893; Apr. 23; v. 249; p. 893.
Evaporating-tank. W. E. Fletcher. No. 1,257,209; Feb. 19; v. 247; p. 689.
Evaporator. W. G. Abbott, Jr. No. 1,265,863; May 14; v. 250; p. 302.
Evaporator. G. H. Benjamin. No. 1,255,502; Feb. 5; v. 247; p. 112.
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Evaporator. N. Deerr. No. 1,287,650; Dec. 17; v. 257; p. 427.
Evaporator. A. E. Hammond. No. 1,266,461; May 14; v. 250; p. 466.
Evaporator. A. Harvey. No. 1,282,825; Oct. 29; v. 255; p. 866.
Evaporator. R. W. King and H. G. Miller. No. 1,254,606; Jan. 22; v. 246; p. 999.
Evaporator. J. A. Meroney. No. 1,283,254; Oct. 29; v. 255; 982.
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Evaporator and canning-machine, Combination. L. A. Miller. No. 1,257,725; Feb. 26; v. 247; p. 877.
Evaporator, Fruit and vegetable. W. R. Taylor. No. 1,267,144; May 21; v. 250; p. 690.
Evaporator, Water-. S. Lindberg. No. 1,262,068; Apr. 9; v. 249; p. 333.
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Excavating-machine. G. W. and C. B. King, B. Jacoby, H. E. Roush, and G. Holmes. No. 1,280,238; Oct. 1; v. 255; p. 34.
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Extension-table. C. A. Frisbie. No. 1,277,710; Sept. 3; v. 254; p. 105.
Extension-table. L. C. Hibbard. No. 1,257,351; Feb. 26; v. 247; p. 766.
Extension-table. L. Lenard. No. 1,275,948; Aug. 13; v. 253; p. 474.
Extension-table. W. L. Pfefferkorn and A. P. Schloerb. No. 1,253,719; Jan. 15; v. 246; p. 726.
Extension-table. J. M. Skelton. No. 1,282,307; Oct. 22; v. 255; p. 697.
Extension-table. J. F. Thomas. No. 1,257,149; Feb. 19; v. 247; p. 671.
Extensometer. H. C. Hayes and G. W. Lewis. No. 1,279,340; Sept. 17; v. 254; p. 598.
Exterminator. H. Longauer. No. 1,264,194; Apr. 30; v. 249; p. 1008.
External limit-gage. E. J. Bryant. No. 1,279,645; Sept. 24; v. 254; p. 706.
Extinguisher, Automatic. T. Pernek, Sr. No. 1,269,501; June 11; v. 251; p. 419.
Extinguishing device. N. O. Mutu. No. 1,289,874; Dec. 31; v. 257; p. 1025.
Extracting apparatus. D. C. Reynolds. No. 1,263,470; Apr. 23; v. 249; p. 778.
Extracting soluble substances, Apparatus for. W. E. Garrigues. No. 1,282,407; Oct. 22; v. 255; p. 724.
Extractor: *See*—

Automobile-extractor.	Juice-extractor.
Bolt or spike extractor.	Nail-extractor.
Cartridge-shell extractor.	Pen-extractor.
Cork-extractor.	Pin-extractor.
Cotter-pin extractor.	Piston-ring extractor.
Cotton-hull extractor.	Sleeve-extractor.
Cream-extractor.	Staple-extractor.
Drill-extractor.	Stopper-extractor.
Honey-extractor.	Tar-extractor.

Extractor. J. F. Lins. No. 1,266,030; May 14; v. 250; p. 349.
Extractor-vats, &c., Mixing and agitating mechanism for. O. Z. Howard. No. 1,258,334; Mar. 5; v. 248; p. 111.
Extruding-machine. G. H. Benjamin. No. 1,258,738; Mar. 12; v. 248; p. 268.
Eye and fitting the same, Artificial. C. H. Sampson. No. 1,268,885; June 11; v. 251; p. 249.
Eye, Artificial. W. W. Burlich. No. 1,289,643; Dec. 31; v. 257; p. 968.
Eye, Artificial. J. O. Rosser. No. 1,253,888; Jan. 15; v. 246; p. 773.
Eye-cleaner. O. C. Schroeder. No. 1,263,942; Apr. 23; v. 249; p. 907.
Eye-dropper, syringe, and medicine-holder, Combined. H. A. Weguelin and R. A. Phelan. No. 1,272,742; July 16; v. 252; p. 619.
Eye for dolls. B. Bernstein. No. 1,261,208; Apr. 2; v. 249; p. 61.
Eye instrument. W. Ziegler. No. 1,272,170; July 9; v. 252; p. 431.
Eye-protecting device. F. W. King. No. 1,285,225; Nov. 19; v. 256; p. 528.
Eye-protecting goggles. W. G. King. No. 1,285,226; Nov. 19; v. 256; p. 528.
Eye-protector. E. Altman. No. 1,282,723; Oct. 29; v. 255; p. 837.
Eye-protector. J. A. Campbell. No. 1,275,127; Aug. 6; v. 253; p. 222.
Eye-protector. G. H. Day. No. 1,258,097; Mar. 5; v. 248; p. 44.
Eye-protector. G. H. Day. No. 1,278,444; Sept. 10; v. 254; p. 325.
Eye-protector. L. O. Gagnon. No. 1,265,647; May 7; v. 250; p. 210.
Eye-protector. H. K. Parsons. No. 1,269,498; June 11; v. 251; p. 418.
Eye-protector, Light-dimming. S. R. King. No. 1,255,430; Feb. 5; v. 247; p. 92.
Eye-shade. C. B. Shoemaker. No. 1,255,057; Jan. 29; v. 246; p. 1158.
Eye-shield. J. J. Furlong. No. 1,274,257; July 30; v. 252; p. 1098.
Eye-shield and securing means therefor. J. F. Lamb. No. 1,289,482; Dec. 31; v. 257; p. 929.
Eye-testing machine. S. C. Barr. No. 1,266,090; May 14; v. 250; p. 366.
Eyes for dolls, display figures, and the like, Artificial. S. Marcus. No. 1,252,469; Jan. 8; v. 246; p. 331.
Eyes for dolls, display-figures, and the like, Artificial. S. Marcus. No. 1,286,045; Nov. 26; v. 256; p. 773.
Eyeglass attachment. F. Mauhart, Jr. No. 1,280,515; Oct. 1; v. 255; p. 112.
Eyeglass-case. R. A. Goelkel and W. N. Lurcott. No. 1,277,210; Aug. 27; v. 253; p. 887.
Eyeglass-cases, wallets, &c., Safety-guard for. A. H. Smith. No. 1,265,824; May 14; v. 250; p. 291.
Eyeglass-cleaner. E. Farrows. No. 1,261,502; Apr. 2; v. 249; p. 145.
Eyeglass construction. L. C. Martin. No. 1,278,190; Sept. 10; v. 254; p. 259.
Eyeglass construction. J. H. Ostrander. No. 1,261,279; Apr. 2; v. 249; p. 81.
Eyeglass-holder. C. G. Aldrich. No. 1,259,706; Mar. 19; v. 248; p. 576.
Eyeglass-holder. C. G. Aldrich. No. 1,259,707; Mar. 19; v. 248; p. 576.
Eyeglass-holder. F. R. Bishop. No. 1,270,106; June 18; v. 251; p. 615.
Eyeglass-mount. C. Meyer. No. 1,266,513; May 14; v. 250; p. 481.
Eyeglass-mounting. G. A. Bader. No. 1,278,417; Sept. 10; v. 254; p. 319.
Eyeglass-mounting. G. A. Bader. No. 1,278,418; Sept. 10; v. 254; p. 319.

Eyeglass-mounting. E. J. R. Beattey. No. 1,270,590; June 25; v. 251; p. 775.
Eyeglass-mounting. E. J. R. Beattey. No. 1,272,356; July 16; v. 252; p. 511.
Eyeglass-mounting. W. A. Coates. No. 1,261,361; Apr. 2; v. 249; p. 105.
Eyeglass-mounting. J. Rosenblatt. No. 1,251,581; Jan. 1; v. 246; p. 41.
Eyeglass-mounting. J. Rosenblatt. No. 1,277,485; Sept. 3; v. 254; p. 42.
Eyeglass-mounting. J. Rosenblatt. No. 1,279,007; Sept. 17; v. 254; p. 509.
Eyeglass mounting, Rimless. W. W. Ferris. No. 1,262,475; Apr. 9; v. 249; p. 447.
Eyeglass-mountings, Attachment for. L. Arntz. No. 1,266,757; May 21; v. 250; p. 581.
Eyeglasses. L. F. Adt. No. 1,282,352; Oct. 22; v. 255; p. 709.
Eyeglasses. S. J. Clulee. No. 1,282,759; Oct. 29; v. 255; p. 847.
Eyeglasses. S. J. Clulee. No. 1,286,534; Dec. 3; v. 257; p. 87.
Eyeglasses. W. B. Greene. No. 1,264,295; Apr. 30; v. 249; p. 1037.
Eyeglasses. H. E. Kirstein and W. E. McDonnell. No. 1,253,255; Jan. 15; v. 246; p. 590.
Eyeglasses. H. E. Kirstein and W. E. McDonell. No. 1,261,942; Apr. 9; v. 249; p. 300.
Eyeglasses. A. C. Loomis. No. 1,254,047; Jan. 22; v. 246; p. 838.
Eyeglasses. L. C. Martin. No. 1,254,826; Jan. 29; v. 246; p. 1094.
Eyeglasses. J. D. Metcalf. No. 1,272,833; July 16; v. 252; p. 645.
Eyeglasses. W. N. Moore. No. 1,252,139; Jan. 1; v. 246; p. 204.
Eyeglasses. W. H. Seabrook, Jr. No.1,260,073; Mar. 19; v. 248; p. 684.
Eyeglasses. S. Thomassen. No. 1,283,600; Nov. 5; v. 256; p. 42.
Eyeglasses, Adjustable. M. S. Yassukovitch. No. 1,289,998; Dec. 31; v. 257; p. 1055.
Eyeglasses and spectacles. T. M. Heard, Jr. No. 1,270,516; June 25; v. 251; p. 754.
Eyeglasses and spectacles, Padding attachment for. S. Goldfaden. No. 1,285,984; Nov. 26; v. 256; p. 759.
Eyeglasses, Lens-mounting for. D. G. Golding. No. 1,274,870; Aug. 6; v. 253; p. 152.
Eyeglasses, Nose-grip for. C. F. Wall. No. 1,284,500; Nov. 12; v. 256; p. 306.
Eyeglasses, Nose-mounting for. J. E. Higgins. No. 1,283,764; Nov. 5; v. 256; p. 85.
Eyelet. F. I. Arnold. No. 1,258,852; Mar. 12; v. 248; p. 302.
Eyelet-setting machine. G. P. Clark. No. 1,282,192; Oct. 22; v. 255; p. 666.
Eyelets and the like, Mechanism for feeding. A. L. Currier. No. 1,260,518; Mar. 26; v. 248; p. 845.
Eyelets, Machine for setting blind. J. W. Barna. No. 1,253,121; Jan. 8; v. 246; p. 522.
Eyeleter, Duplex. F. L. Harmon. No. 1,262,583; Apr. 9; v. 249; p. 478.
Eyeleting and other machines, Variable-feed mechanism for. F. L. Harmon. No. 1,260,260; Mar. 19; v. 248; p. 734.
Eyeleting-machine. S. I. Derr. No. 1,281,529; Oct. 15; v. 255; p. 448.
Eyeleting-machine. P. R. Glass. No. 1,278,811; Sept. 10; v. 254; p. 425.
Eyeleting-machine. T. J. Hallam. No. 1,271,722; July 9; v. 252; p. 305.
Eyeleting-machine. F. L. Harmon. No. 1,262,336; Apr. 9; v. 249; p. 408.
Eyeleting-machine. F. L. Harmon. No. 1,262,584; Apr. 9; v. 249; p. 479.
Eyeleting-machine. H. W. Kenway. No. 1,271,720; July 9; v. 252; p. 304.
Eyeleting-machine. L. Myers. No. 1,264,963; May 7; v. 250; p. 25.
Eyeleting-machine. W. Shaw. No. 1,271,721; July 9; v. 252; p. 305.
Eyepiece-cap and similar article, Reinforced. J. J. Bausch. No. 1,270,772; July 2; v. 252; p. 5.
Eyepiece-caps, Making. J. J. Bausch. No. 1,254,646; Jan. 29; v. 246; p. 1038.
Fabric: *See*—
Bed-bottom fabric.
Bed fabric.
Bed-spring fabric.
Camisole lace fabric.
Colloid-treated fabric.
Couch fabric.
Fence fabric.
Imitation fabric.
Knit fabric.
Knitted fabric.
Laminated fabric.
Link fabric.
Mattress fabric.
Measuring textile fabric.
Paper fabric.
Pile fabric.
Sheet fabric.
Soilproof fabric.
Spring fabric.
Textile fabric.
Tire fabric.
Waterproof and buoyant fabric.
Wire fabric.
Wood fabric.
Woven fabric.
Fabric. W. S. Neetler. No. 1,252,018; Jan. 1; v. 246; p. 170.
Fabric and making same. E. E. Waite. No. 1,281,723; Oct. 15; v. 255; p. 498.
Fabric and making the same. G. J. Bicknell. No. 1,273,815; July 30; v. 252; p. 973.
Fabric and producing same, Imitation. H. R. Lister. No. 1,255,031; Jan. 29; v. 246; p. 1151.
Fabric-assembling table, Bias-. W. C. Stevens. No. 1,263,292; Apr. 16; v. 249; p. 706.
Fabric-coating apparatus. F. E. Kip and E. P. Ford. No. 1,280,492; Oct. 1; v. 255; p. 105.
Fabric-cutting machine. J. Ellis. No. 1,286,263; Dec. 3; v. 257; p. 19.
Fabric, Device for testing. E. E. A. G. Meyer. No. 1,283,856; Nov. 5; v. 256; p. 111.
Fabric-finishing machine. W. Widdowson. No. 1,280,607; Oct. 1; v. 255; p. 136.
Fabric-folding machine. L. M. Kohn. No. 1,272,462; July 16; v. 252; p. 539.
Fabric guiding and uncurling device. L. Onderdonk. No. 1,282,458; Oct. 22; v. 255; p. 738.
Fabric-guiding device. J. Thornber. No. 1,282,985; Oct. 29; v. 255; p. 912.
Fabric having thickened mock seams. R. W. Scott. No. 1,267,127; May 21; v. 250; p. 685.
Fabric, Imparting a transparent appearance to cotton. G Heberlein. No. 1,288,885; Dec. 24; v. 257; p. 756.
Fabric-laying machine. C. J. Sussman and T. A. Hill. No. 1,257,421; Feb. 26; v. 247; p. 785.
Fabric, Making. W. H. Scott, Jr. No. 1,275,771; Aug. 13; v. 253; p. 425.
Fabric pieces, Process and plant for the treatment of. F. J. B. Knibiehler and A. Fankhauser. No. 1,259,526; Mar. 19; v. 248; p. 525.
Fabric-roller, Take-up. G. A. Wilkins. No. 1,256,756; Feb. 19; v. 247; p. 556.
Fabric-shaping apparatus. O. Grosvenor. No. 1,254,685; Jan. 29; v. 246; p. 1050.
Fabric stretching and drying apparatus. J. W. Shelton. No. 1,269,751; June 18; v. 251; p. 520.
Fabric-treating device. H. M. Dudley. No. 1,266,110; May 14; v. 250; p. 372.
Fabric-treating machine. C. B. Johnson. No. 1,280,232; Oct. 1; v. 255; p. 33.
Fabric, Yardage-controlling device for pieces of. I. S. Adlerblum. No. 1,273,123; July 23; v. 252; p. 750.
Fabrics, Apparatus for treating coated. W. P. Egan and J. J. Sheehan. No. 1,268,941; June 11; v. 251; p. 264.
Fabrics, Producing wool-like effects on cotton. G. Heberlein. No. 1,288,884; Dec. 24; v. 257; p. 756.
Fabrics, Producing wool-like effects on cotton. O. Klauser. No. 1,285,738; Nov. 26; v. 256; p. 696.
Fabrics, Saturation of porous. E. J. Cady. No. 1,268,430; June 4; v. 251; p. 103.
Fabrics, Treating and finishing. W. S. Stansfield and J. Wilkinson. No. 1,273,551; July 23; v. 252; p. 864.
Face-plates, Means for leveling and alining. H. Hubbell. No. 1,275,691; Aug. 13; v. 253; p. 402.
Face-protector. H. Fulford. No. 1,270,139; June 18; v. 251; p. 625.
Face-stay. M. R. Tucker. No. 1,274,636; Aug. 6; v. 253; p. 85.
Facing-tool. E. S. Mummert and J. O. Dixon. No. 1,265,483; May 7; v. 250; p. 167.
Fan. P. A. Anderson. No. 1,261,753; Apr. 9; v. 249; p. 247.
Fan. P. A. Anderson. No. 1,276,703; Aug. 27; v. 253; p. 753.
Fan. J. Bechtel, Sr. No. 1,268,423; June 4; v. 251; p. 100.
Fan. A. J. Dugan. No. 1,251,876; Jan. 1; v. 246; p. 131.
Fan. W. Kragiel. No. 1,256,026; Feb. 12; v. 247; p. 304.
Fan. I. H. Lesem. No. 1,273,384; July 23; v. 252; p. 819.
Fan. W. Pfuhl. No. 1,260,797; Mar. 26; v. 248; p. 926.
Fan. W. Sparks. No. 1,255,346; Feb. 5; v. 247; p. 66.
Fan. W. Sparks. No. 1,256,941; Feb. 19; v. 247; p. 611.
Fan. F. and P. J. Stanislawski. No. 1,254,444; Jan. 22; v. 246; p. 951.
Fan. S. Viviano. No. 1,279,381; Sept. 17; v. 254; p. 610.
Fan, Adjustable oscillating. C. R. Meston and H. I. Finch. No. 1,259,545; Mar. 19; v. 248; p. 531.
Fans, Adjusting device for oscillating. H. I. Finch and T. M. Meston. No. 1,256,121; Feb. 12; v. 247; p. 333.
Fan and alarm-signal, Combined. H. Hastings. No. 1,253,488; Jan. 15; v. 246; p. 659.
Fan and controlling means, Cooling-. P. T. Snyder. No. 1,265,271; May 7; v. 250; p. 110.
Fan and propeller. W. J. A. London and H. R. Trotter. No. 1,263,909; Apr. 23; v. 249; p. 898.
Fan attachment, Auxiliary. F. C. George and C. O. Williams. No. 1,263,227; Apr. 16; v. 249; p. 690.
Fan attachment for rocking-chairs. J. Krizek. No. 1,281,795; Oct. 15; v. 255; p. 518.
Fan, Automatic. H. Jackson. No. 1,276,225; Aug. 20; v. 253; p. 583.
Fan, Ceiling-. W. M. McEwen. No. 1,287,059; Dec. 10 v. 257; p. 249.
Fan, Chair-. T. B. Leszczynski. No. 1,262,525; Apr. 9; v. 249; p. 461.
Fan construction. J. A. McIntosh. No. 1,260,562; Mar. 26; v. 248; p. 858.

Fan control mechanism, Electric-. W. M. McEwen. No. 1,252,595; Jan. 8; v. 246; p. 368.
Fan delivery, Pulsating-. H. A. W. Wood and J. A. Isbell. No. 1,266,737; May 21; v. 250; p. 575.
Fan, Folding. H. S. Brewington. No. 1,261,582; Apr. 2; v. 249; p. 138.
Fan for blowers, Centrifugal. J. F. Froelich. No. 1,282,065; Oct. 22; v. 255; p. 630.
Fan-housing cooling extension. H. H. Hart. No. 1,275,682; Aug. 13; v. 253; p. 400.
Fan, Humidifying-. W. M. McEwen. No. 1,266,966; May 21; v. 250; p. 638.
Fan machine, Oscillating-. E. T. Shaw and W. E. Laird. No. 1,258,478; Mar. 5; v. 248; p. 153.
Fan, Mechanical hand-. I. Premru. No. 1,251,571; Jan. 1; v. 246; p. 38.
Fan, Motor-. C. H. J. Dilg. No. 1,289,412; Dec. 31; v. 257; p. 912.
Fan, Motor-driven. L. D. Freeland. No. 1,265,189; May 7; v. 250; p. 88.
Fan-mounting. C. G. Swenson. No. 1,278,060; Sept. 3; v. 254; p. 198.
Fan-operating mechanism. F. M. Robb. No. 1,279,443; Sept. 17; v. 254; p. 624.
Fan, Portable. F. C. Howe. No 1,254,042; Jan. 22; v. 246; p. 837.
Fan, Register-. G. B. Wilson. No. 1,274,649; Aug. 6; v. 253; p. 89.
Fan, Revolving. E. W. Denman. No. 1,270,795; July 2; v. 252; p. 11.
Fan, Revolving. O. S. Jennings. No. 1,261,131; Apr. 2; v. 249; p. 40.
Fan, Revolving. O. S. Jennings. No. 1,270,832; July 2; v. 252; p. 22.
Fan, Revolving. O. S. Jennings. 1,270,833; July 2; v. 252; p. 22.
Fan, Revolving ventilating-. H. I. Finch. No. 1,267,752; May 28; v. 250; p. 883.
Fan, Rocking-chair. H. M. Lovell. No. 1,267,094; May 21; v. 250; p. 674.
Fan, Rocking-chair. A. Rosenson. No. 1,287,109; Dec 10; v. 257; p. 263.
Fan, Rocking-chair. J. Schmalzi. No. 1,273,097; July 16; v. 252; p. 717.
Fan, Rotary. H. N. Searles. No. 1,271,622; July 9; v. 252; p. 276.
Fan, Rotary. O. Stott. No. 1,261,457; Apr. 2; v. 249; p. 131.
Fan-support. W. L. Homadieu and J. L. Brumford. No. 1,263,442; Apr. 23; v. 249; p. 770.
Fan, Thermostatic. R. N. Coats. No. 1,267,975; May 28; v. 250; p. 947.
Fan, Ventilating-. J. S. G. Telfer and J. H. C. Boyd. No. 1,252,508; Jan. 8; v. 246; p. 342.
Fan-wheel. F. J. Bullock. No. 1,286,526; Dec. 3; v. 257 p. 85.
Fans, Deodorizing attachment for. J. Vokalek. No. 1,267,826; May 28; v. 250; p. 906.
Fans, Driving mechanism for electric. G. Olson. No. 1,269,209; June 11; v. 251; p. 340.
Fanning-mill attachment. J. Woiach. No. 1,256,415; Feb. 12; v. 247; p. 422.
Fare-box. C. E. Bechtolt. No. 1,252,651; Jan. 8; v. 246; p. 384.
Fare-box. F. A. Burkitt. No. 1,252,657; Jan. 8; v. 246; p. 386.
Fare-box. F. A. Burkitt. No. 1,270,375; June 25; v. 251; 714.
Fare-box. G. K. Hundley. No. 1,278,933; Sept. 17; v. 254; p. 489.
Fare-box. B. H. Wuebben. No. 1,252,527; Jan. 8; v. 246; p. 347.
Fare-box, Coin-ticket-registering. D. B. Whistler. No. 1,267,343; May 21; v. 250; p. 742.
Fare-box, Ticket and coin. J. M. Johnson. No. 1,268,723; June 4; v. 251; p. 185.
Fare collecting and accounting machine. H. H. Fefell and J. F. Ohmer. No. 1,255,522; Feb. 5; v. 247; p. 118.
Fare-collecting apparatus. C. H. Woods. No. 1,280,351; Oct. 1; v. 255; p. 66.
Fare-recorder. W. G. Kirchhoff. No. 1,256,908; Feb. 19; v. 247; p. 602.
Fare-recorder. A. H. Woodward. No. 1,256,859; Feb. 19; v. 247; p. 588.
Fare-register. H. J. Bauer. No. 1,268,669; June 4; v. 251; p. 170.
Fare-register. E. B. Paul. No. 1,286,758; Dec. 3; v. 257; p. 137.
Fare registering and recording machine. J. F. Ohmer, Jr. No. 1,255,561; Feb. 5; v. 247; p. 130.
Fare-separating device. D. B. Whistler. No. 1,276,144; Aug. 20; v. 253; p. 560.
Fares, Collection and recording of. F. A. Groves. No. 1,265,079; May 7; v. 250; p. 58.
Farm-gate. I. D. Bate. No. 1,265,288; May 7; v. 250; p. 114.
Farm-gate. A. F. Behl. No. 1,282,368; Oct. 22; v. 255; p. 714.
Farm-gate. F. Castle. No. 1,253,783; Jan. 15; v. 246; p. 743.
Farm-gate. L. Derhammer. No. 1,262,927; Apr. 16; v. 249; p. 605.
Farm-gate. G. Murcalvy. No. 1,259,039; Mar. 12; v. 248; p. 356.
Farm-gate. W. T. Noakes. No. 1,261,597; Apr. 2; v. 249; p. 172.
Farm-gate, Automatically-operated. H. Brazeal. No. 1,268,815; June 11; v. 251; p. 230.
Farm-gate latch. W. McGee. No. 1,285,756; Nov. 26; v. 256; p. 701.
Farm implement, Power-driven. A. H. Reed. No. 1,267,803; May 28; v. 250; p. 899.
Farming implement. J. W. McHam. No. 1,287,374; Dec. 10; v. 257; p. 329.
Farming implement. E. M. Packard. No. 1,264,678; Apr. 30; v. 249; p. 1144.
Farming implement, Combination. G. W. Corbin. No. 1,285,950; Nov. 26; v. 256; p. 750.
Farming implement, Combination. T. B. Oliver. No. 1,269,111; June 11; v. 251; p. 312.
Fastener. C. Anshen. No. 1,287,817; Dec. 17; v. 257; p. 470.
Fastener. L. Arkin. No. 1,255,847; Feb. 12; v. 247; p. 253.
Fastener. L. Arkin. No. 1,265,869; May 14; v. 250; p. 304.
Fastener. L. Arkin. No. 1,271,650; July 9; v. 252; p. 285.
Fastener. L. Arkin. No. 1,275,357; Aug. 13; v. 253; p. 311.
Fastener. L. Arkin. No. 1,284,038; Nov. 5; p. 256; p. 157.
Fastener. F. S. Carr. No. 1,278,798; Sept. 10; v. 254; p. 422.
Fastener. F. S. Carr. No. 1,278,799; Sept. 10; v. 254; p. 422.
Fastener. C. N. Detwiler. No. 1,277,876; Sept. 3; v. 254; p. 151.
Fastener. D. Eckhart. No. 1,252,892; Jan. 8; v. 246; p. 452.
Fastener. F. Goubert. No. 1,266,583; May 21; v. 250; p. 531.
Fastener. J. F. Hartwig. No. 1,256,311; Feb. 12; v. 247; p. 390.
Fastener. R. M. Higgins. No. 1,281,958; Oct. 15; v. 255; p. 561.
Fastener. C. M. and J. E. Mackenzie. No. 1,283,245; Oct. 29; v. 255; p. 980.
Fastener. C. Ryan. No. 1,278,756; Sept. 10; v. 254; p. 410.
Fastener. O. B. Sandifur. No. 1,275,094; Aug. 6; v. 253; p. 212.
Fastener. H. O. Smith. No. 1,273,100; July 16; v. 252; p. 718.
Fastener. S. F. Wilson. No. 1,253,658; Jan. 15; v. 246; p. 708.
Fastener. G. Yoshizawa. No. 1,254,382; Jan. 22; v. 246; p. 934.
Fastener-applying machine. A. C. Tatzke. No. 1,258,275; Mar. 5; v. 248; p. 95.
Fastener-attaching machine. S. B. Jackson. No. 1,268,355; June 4; v. 251; p. 81.
Fastener, Corrugated. F. P. Prindle. No. 1,262,839; Apr. 16; v. 249; p. 579.
Fastener-feeding mechanism. L. Myers. No. 1,255,551; Feb. 5; v. 247; p. 127.
Fastener-inserting machine. S. A. Dobyne. No. 1,286,559; Dec. 3; v. 257; p. 92.
Fastener-inserting machine. J. C. Torchia. No. 1,274,817; Aug. 6; v. 253; p. 135.
Fastener-inserting machines, Work-support for. S. A. Dobyne. No. 1,287,577; Dec. 10; v. 257; p. 377.
Fastener or tie device. J. Lenzen. No. 1,268,132; June 4; v. 251; p. 18.
Fastener, Separable. I. V. Benoit. No. 1,254,648; Jan. 29; v. 246; p. 1039.
Fastener, Separable. E. J. Boyler. No. 1,284,204; Nov. 5; v. 256; p. 202.
Fastener, Separable. D. F. Carmichiel. No. 1,284,238; Nov. 12; v. 256; p. 238.
Fastener, Separable. H. H. Cobe. No. 1,268,927; June 11; v. 251; p. 261.
Fastener, Separable. J. A. Doran. No. 1,283,111; Oct. 29; v. 255; p. 945.
Fastener, Separable. S. S. Hecht. No. 1,268,349; June 4; v. 251; p. 79.
Fastener, Separable. R. M. Holden. No. 1,264,072; Apr. 23; v. 249; p. 941.
Fastener, Separable. W. J. Smith. No. 1,251,831; Jan. 1; v. 246; p. 119.
Fastener-setting machine. S. L. Gookin. No. 1,283,732; Nov. 5; v. 256; p. 77.
Fastener-setting machine. A. Littlefield. No. 1,269,622; June 18; v. 251; p. 485.
Fastener-setting machine. F. A. Rumney. No. 1,271,776; July 9; v. 252; p. 318.
Fastener-setting machine. W. Shaw. No. 1,284,795; Nov. 12; v. 256; p. 379.
Fastener, Snap-. I. Anderson. No. 1,265,719; May 14; v. 250; p. 261.
Fastener, Snap-. F. P. Barney. No. 1,253,566; Jan. 15; v. 246; p. 681.
Fastener, Snap-. C. S. Cross. No. 1,262,646; Apr. 16; v. 249; p. 525.

Fastener, Snap-. W. F. Folmer. No. 1,252,255; Jan. 1; v. 246; p. 235.
Fastener, Snap-. A. Holstein. No. 1,272,806; July 16; v. 252; p. 637.
Fastener, Snap-. I. Moss. No. 1,268,870; June 11; v. 251; p. 245.
Fastener, Spring-. J. Cranzler. No. 1,273,037; July 16; v. 252; p. 702.
Fasteners, Machine for making corrugated-metal. W. C. Fork. No. 1,268,831; June 11; v. 251; p. 234.
Fasteners, Means for applying. W. A. Bernard. No. 1,274,234; July 30; v. 252; p. 1092.
Fasteners, Method of and apparatus for forming and clenching staple-like. A. C. Stenman. No. 1,281,688; Oct. 15; v. 255; p. 488.
Fasteners, Spring-assembling mechanism for snap-. A. J. Lewis. No. 1,271,330; July 2; v. 252; p. 163.
Fastening artificial legs on the body, Apparatus for. F. C. Beck. No. 1,288,803; Dec. 24; v. 257; p. 737.
Fastening device. C. B. Bickel. No. 1,257,788; Feb. 26; v. 247; p. 895.
Fastening device. J. T. Booth. No. 1,261,098; Apr. 2; v. 249; p. 31.
Fastening device. J. B. Cruchelow. No. 1,278,862; Sept. 17; v. 254; p. 468.
Fastening device. C. B. Davis. No. 1,279,519; Sept. 24; v. 254; p. 670.
Fastening device. J. Ericksen. No. 1,276,740; Aug. 27; v. 253; p. 763.
Fastening device. W. A. Hartline. No. 1,265,778; May 14; v. 250; p. 278.
Fastening device. H. J. Ilett. No. 1,278,666; Sept. 10; v. 254; p. 386.
Fastening device. E. Ludeke. No. 1,274,064; July 30; v. 252; p. 1043.
Fastening device. R. L. Lyons. No. 1,257,263; Feb. 19; v. 247; p. 705.
Fastening device. W. M. McClearen. No. 1,269,626; June 18; v. 251; p. 486.
Fastening device. H. Nelson. No. 1,257,517; Feb. 26; v. 247; p. 815.
Fastening device. A. Stamm. No. 1,255,240; Feb. 5; v. 247; p. 36.
Fastening device. M. F. Thau. No. 1,262,407; Apr. 9; v. 249; p. 429.
Fastening device. M. F. Thau. No. 1,262,408; Apr. 9; v. 249; p. 429.
Fastening device. A. Vasselli. No. 1,276,456; Aug. 20; v. 253; p. 648.
Fastening device, Separable, resilient. F. J. Mittelstadt. No. 1,261,588; Apr. 2; v. 249; p. 169.
Fastening devices, Machine for making. D. Marinsky. No. 1,272,981; July 16; v. 252; p. 686.
Fastening element, Attached. J. H. Masterson. No. 1,288,102; Dec. 17; v. 257; p. 541.
Fastening for garments, Snap-. H. Edelson. No. 1,253,016; Jan. 8; v. 246; p. 491.
Fastening-inserting machine. W. H. Borden. No. 1,276,019; Aug. 20; v. 253; p. 525.
Fastening-inserting machine. T. Briggs. No. 1,258,392; Mar. 5; v. 248; p. 128.
Fastening-inserting machine. G. Goddu. No. 1,262,775; Apr. 16; v. 249; p. 562.
Fastening-inserting machine. G. Goddu. No. 1,280,209; Oct. 1; v. 255; p. 27.
Fastening-inserting machine. G. Goddu. No. 1,282,809; Oct. 29; v. 255; p. 862.
Fastening-inserting machine. A. E. Jerram and J. Gouldbourn. No. 1,264,188; Apr. 30; v. 249; p. 1007.
Fastening-inserting machine. F. L. MacKenzie. No. 1,262,820; Apr. 16; v. 249; p. 574.
Fastening means. R. E. Babcock. No. 1,279,217; Sept. 17; v. 254; p. 563.
Fastening means. W. H. McLaughlin. No. 1,263,086; Apr. 16; v. 249; p. 651.
Fastening means. W. H. McLaughlin. No. 1,276,786; Aug. 27; v. 253; p. 774.
Fastening means. W. H. McLaughlin. No. 1,276,788; Aug. 27; v. 253; p. 775.
Fastening means. W. H. McLaughlin. No. 1,281,183; Oct. 8; v. 255; p. 321.
Fastening means. W. H. McLaughlin and R. E. Babcock. No. 1,281,620; Oct. 15; v. 255; p. 471.
Fastening means. A. H. Rainftlen. No. 1,281,834; Oct. 15; v. 255; p. 529.
Fastening means. E. C. Southworth. No. 1,275,488; Aug. 13; v. 253; p. 345.
Fastening means. L. E. White. No. 1,281,456; Oct. 15; v. 255; p. 428.
Fastening means. W. C. F. Zimmerman. No. 1,255,971; Feb. 12; v. 247; p. 289.
Fastening or securing means. A. J. Thomson. No. 1,275,176; Aug. 6; v. 253; p. 235.
Fastening, Snap-. C. J. Paulson. No. 1,262,244; Apr. 9; v. 249; p. 383.
Fastenings, Machine for inserting. L. A. Casgrain. No. 1,280,160; Oct. 1; v. 255; p. 12.
Fats and mixtures containing the same to powder form, Reducing. F. C. Atkinsson. No. 1,286,903; Dec. 10; v. 257; p. 210.
Fats and oils, Hydrogenation of. J. Dewar and A. Liebmann. No. 1,275,405; Aug. 13; v. 253; p. 324.
Fats and oils, Refining. S. Morgenstern. No. 1,275,289; Aug. 13; v. 253; p. 291.
Fats as shortening, Substitute for. S. Rozycki. No. 1,273,410; July 23; v. 252; p. 827.
Fats, Superrefining. S. R. Barnett. No. 1,271,118; July 2; v. 252; p. 102.
Fatty material for edible purposes, &c., Hydrogenating resistant. C. Ellis. No. 1,261,911; Apr. 9; v. 249; p. 291.
Fatty materials, Treating solid. W. P. Schuck. No. 1,288,228; Dec. 17; v. 257; p. 571.
Faucet. C. W. Crenshaw. No. 1,287,646; Dec. 17; v. 257; p. 425.
Faucet. J. H. Glauber. No. 1,286,286; Dec. 3; v. 257; p. 25.
Faucet. M. T. Gower. No. 1,264,293; Apr. 30; v. 249; p. 1036.
Faucet. R. B. Hills. No. 1,281,960; Oct. 15; v. 255; p. 562.
Faucet. H. D. Kelly. No. 1,252,702; Jan. 8; v. 246; p. 398.
Faucet. H. D. Kelly. No. 1,282,234; Oct. 22; v. 255; p. 678.
Faucet. A. B. Roney. No. 1,285,798; Nov. 26; v. 256; p. 712.
Faucet. H. E. Scheid. No. 1,259,298; Mar. 12; v. 248; p. 427.
Faucet. R. B. Scott. No. 1,284,154; Nov. 5; v. 256; p. 189.
Faucet. C. E. Shapley. No. 1,258,262; Mar. 5; v. 248; p. 91.
Faucet. E. D. Smith. No. 1,261,066; Apr. 2; v. 249; p. 22.
Faucet. C. F. Wray. No. 1,267,489; May 28; v. 250; p. 810.
Faucet and strainer, Combined. W. R. Nicoll. No. 1,275,463; Aug. 13; v. 253; p. 339.
Faucet and wrench or handle therefor, Self-closing. A. W. Wheaton. No. 1,255,370; Feb. 5; v. 247; p. 74.
Faucet-attaching device. A. Schroeder. No. 1,278,511; Sept. 10; v. 254; p. 344.
Faucet attachment. A. Hall. No. 1,264,639; Apr. 30; v. 249; p. 1134.
Faucet, Combined regulating and shut-off. H. L. Parker and A. E. Cobb. No. 1,257,019; Feb. 19; v. 247; p. 636.
Faucet connection. W. M. Kuhlman. No. 1,288,042; Dec. 17; v. 257; p. 526.
Faucet-coupling. B. H. F. Heymann. No. 1,278,651; Sept. 10; v. 254; p. 382.
Faucet, Dispensing-. F. A. White. No. 1,261,986; Apr. 9; v. 249; p. 312.
Faucet, Drinking-. E. E. Wangelin. No. 1,278,403; Sept. 10; v. 254; p. 315.
Faucet for dispensing liquids. C. F. Brown. No. 1,262,630; Apr. 16; v. 249; p. 520.
Faucet, Fountain-. A. W. Melander. No. 1,260,232; Mar. 19; v. 248; p. 726.
Faucet, Liquid-. C. W. Wagner. No. 1,264,718; Apr. 30; v. 249; p. 1154.
Faucet, Measuring-. W. R. Billings. No. 1,271,838; July 9; v. 252; p. 336.
Faucet, Measuring-. W. R. Billings. No. 1,271,839; July 9; v. 252; p. 336.
Faucet, Measuring-. W. R. Billings. No. 1,271,840; July 9; v. 252; p. 336.
Faucet, Non-freezable. J. B. Crandon, M. M. and B. J. Bernstein. No. 1,277,197; Aug. 27; v. 253; p. 884.
Faucet-operating mechanism. C. Dederer. No. 1,256,525; Feb. 19; v. 247; p. 490.
Faucet, Safety-. G. A. Hidden. No. 1,254,594; Jan. 22; v. 246; p. 994.
Faucet, Self-closing. J. P. Schild. No. 1,273,931; July 30; v. 252; p. 1007.
Faucet, Self-closing. F. Schulder. No. 1,270,882; July 2; v. 252; p. 37.
Faucet, Self-closing. F. Schulder. No. 1,272,867; July 16; v. 252; p. 655.
Faucet, Swing-spout compression-. J. T. Power. No. 1,269,213; June 11; v. 251; p. 341.
Faucet, Universal. W. J. Bergens. No. 1,268,316; June 4; v. 251; p. 70.
Faucets, Soap-holding attachment for. R. B. Barrère. No. 1,268,668; June 4; v. 251; p. 170.
Favor snapper and cracker. E. J. Kunkely. No. 1,253,500; Jan. 15; v. 246; p. 662.
Feather-debarbing machine. S. Cooper. No. 1,279,275; Sept. 17; v. 254; p. 579.
Feed. I. Carlson. No. 1,283,661; Nov. 5; v. 256; p. 59.
Feed and making same, Animal, fowl, and poultry. C. H. O'Rourke. No. 1,286,742; Dec. 3; v. 257; p. 134.
Feed and making same, Stock. J. B. Page. No. 1,255,922; Feb. 12; v. 247; p. 274.
Feed and splicing apparatus, Reserve. A. J. Pfohl. No. 1,261,056; Apr. 2; v. 249; p. 19.
Feed-bag. C. L. Bishop. No. 1,254,466; Jan. 22; v. 246; p. 958.
Feed-bag. J. M. Doherty. No. 1,277,878; Sept. 3; v. 254; p. 151.
Feed-bag. H. A. Harrison. No. 1,285,148; Nov. 19; v. 256; p. 508.

Feed-bag for horses. R. H. Oitto. No. 1,259,897; Mar. 19; v. 248; p. 632.
Feed-bag for horses. W. H. Sanborn. No. 1,252,037; Jan. 1; v. 246; p. 175.
Feed-bag support. W. Meier. No. 1,252,602; Jan. 8; v. 246; p. 370.
Feed-bag supporter. M. E. Rice. No. 1,272,102; July 9; v. 252; p. 413.
Feed-box. A. R. Hagstrom. No. 1,261,929; Apr. 9; v. 249; p. 296.
Feed-control device. W. I. Macomber. No. 1,275,581; Aug. 13; v. 253; p. 371.
Feed-controlling device. G. H. Gilman. No. 1,285,980; Nov. 26; v. 256; p. 758.
Feed-cutter. O. Meili and P. Blumberg. No. 1,255,623; Feb. 5; v. 247; p. 147.
Feed-cutting machine. L. B. McCargar. No. 1,277,344; Aug. 27; v. 253; p. 920.
Feed-distributer. B. Klutts. No. 1,263,074; Apr. 16; v. 249; p. 647.
Feed-dropper, Automatic. W. F. Bird. No. 1,274,845; Aug. 6; v. 253; p. 144.
Feed-grinder. M. E. Anderson. No. 1,271,258; July 2; v. 252; p. 143.
Feed-grinding machine. M. Boode. No. 1,269,899; June 18; v. 251; p. 562.
Feed-hopper. W. L. Blows. No. 1,274,375; Aug. 6; v. 253; p. 8.
Feed mechanism. F. H. Blakeslee. No. 1,260,305; Mar. 26; v. 248; p. 781.
Feed mechanism. Z. P. Candee. No. 1,252,396; Jan. 8; v. 246; p. 309.
Feed mechanism. Z. P. Candee. No. 1,253,348; Jan. 15; v. 246; p. 618.
Feed mechanism. R. L. Wilcox. No. 1,253,322; Jan. 15; v. 246; p. 609.
Feed mechanism. E. E Winkley. No. 1,251,852; Jan. 1; v. 246; p. 124.
Feed mechanism for bar-stock. A. H. Smith. No. 1,257,035; Feb. 19; v. 247; p. 640.
Feed mechanism for lathes, Carriage-. F. Hardinge. No. 1,285,693; Nov. 26; v. 256; p. 684.
Feed mechanism for lathes, Carriage-. F. Hardinge. No. 1,285,694; Nov. 26; v. 256; p. 685.
Feed-mixing apparatus, Portable. C. A. Barnes. No. 1,279,221; Sept. 17; v. 254; p. 564.
Feed or water trough. A. L. Terstegge. No. 1,252,861; Jan. 8; v. 246; p. 442.
Feed-rack. E. Aker. No. 1,265,025; May 7; v. 250; p. 43.
Feed-reel. H. B. Sherman. No. 1,277,762; Sept. 3; v. 254; p. 121.
Feed-roll adjustment. H. J. Mitchell. No. 1,255,625; Feb. 5; v. 247; p. 148.
Feed-table. J. A. Cummings. No. 1,263,648; Apr. 23; v. 249; p. 826.
Feed-trough. C. E. Bretz. No. 1,278,583; Sept. 10; v. 254; p. 364.
Feed-trough, Animal. C. A. Barnes. No. 1,283,627; Nov. 5; v. 256; p. 50.
Feed-trough for poultry-crates. D. L. Quinn. No. 1,253,723; Jan. 15; v. 246; p. 727.
Feed-water heater. K. Baumann. No. 1,276,860; Aug. 27; v. 253; p. 793.
Feed-water heater. M. L. Dunnam. No. 1,287,922; Dec. 17; v. 257; p. 496.
Feed-water heater. W. A. Gibson. No. 1,259,615; Mar. 19; v. 248; p. 550.
Feed-water heater. J. B. Hunter. No. 1,261,393; Apr. 2; v. 249; p. 114.
Feed-water heater. L. D. Lovekin. No. 1,287,713; Dec. 17; v. 257; p. 443.
Feed-water heater and purifier for boilers. W. J. Everett. No. 1,276,339; Aug. 20; v. 253; p. 613.
Feed-water heater, evaporator, and the like. H. C. Davis. No. 1,278,311; Sept. 10; v. 254; p. 292.
Feed-water heater, Locomotive-. H. H. Vaughan. No. 1,270,899; July 2; v. 252; p. 41.
Feed-water heater, Locomotive. H. S. Vincent. No. 1,266,185; May 14; v. 250; p. 393.
Feed-water injectors, Attachment for. C. L. Titus. No. 1,265,402; May 7; v. 250; p. 146.
Feed-water, Method of and apparatus for treating boiler. H. C. Heaton. No. 1,255,164; Feb. 5; v. 247; p. 14.
Feed-water regulator. G. F. Patterson. No. 1,266,619; May 21; v. 250; p. 542.
Feed-water regulator, Automatic. T. Keenan. No. 1,277,602; Sept. 3; v. 254; p. 75.
Feeder and drinking-fountain, Poultry. G. W. Beach and C. Von Culin. No. 1,254,193; Jan. 22; v. 246; p. 880.
Feeder and exerciser, Poultry. J. H. Morrow. No. 1,268,869; June 11; v. 251; p. 245.
Feeder, Automatic calf-. M. Neumann. No. 1,276,946; Aug. 27; v. 253; p. 815.
Feeder, Baby-. M. A. Smith. No. 1,287,125; Dec. 10; v. 257; p. 267.
Feeder, Bag-. W. H. Smith. No. 1,260,825; Mar. 26; v. 248; p. 934.
Feeder, Calf-. W. D. Devore. No. 1,259,084; Mar. 12; v. 248; p. 368.
Feeder, Chicken-. L. O, Anderson. No. 1,275,194; Aug. 13; v. 253; p. 266.
Feeder, Chicken-. F. A. Schumacher. No. 1,287,773; Dec. 17; v. 257; p. 458.
Feeder control, Tributary-. W. H. Johnson. No. 1,281,579; Oct. 15; v. 255; p. 460.
Feeder control, Tributary-. W. H. Johnson. No. 1,281,581; Oct. 15; v. 255; p. 461.
Feeder-governor. W. H. Johnson. No. 1,281,580; Oct. 15; v. 255; p. 460.
Feeder, Hog-. C. L. Kirkpatrick. No. 1,251,672; Jan. 1; v. 246; p. 70.
Feeder, Hog-. J. E. Robbins. No. 1,257,399; Feb. 26; v. 247; p. 779.
Feeder, Hog-. J. E. Robbins. No. 1,257,638; Feb. 26; v. 247; p. 851.
Feeder, Rotary drum-. O. H. Johnson. No. 1,284,700; Nov. 12; v. 256; p. 355.
Feeder, Stock-. J. Dierks. No. 1,276,884; Aug. 27; v. 253; p. 800.
Feeder, Stock-. C. Rebman. No. 1,271,937; July 9; v. 252; p. 364.
Feeding and tensioning mechanism. C. T. Henderson. No. 1,265,329; May 7; v. 250; p. 124.
Feeding and weighing mechanism. J. W. Leary. No. 1,283,227; Oct. 29; v. 255; p. 975.
Feeding apparatus. C. Fassinger. No. 1,252,562; Jan. 8; v. 246; p. 359.
Feeding apparatus. W. A. Holnagel and C. W. McClure. No. 1,274,548; Aug. 6; v. 253; p. 60.
Feeding apparatus. H. E. Lindbladh. No. 1,258,026; Mar. 5; v. 248; p. 23.
Feeding apparatus, Indicating mechanism for. H. E. Lindbladh. No. 1,258,027; Mar. 5; v. 248; p. 23.
Feeding apparatus, Stock-. A. A. Grove. No. 1,283,503; Nov. 5; v. 256; p. 18.
Feeding attachment, Automatic horse-. J. F. Cullen. No. 1,257,681; Feb. 26; v. 247; p. 862.
Feeding device. F. G. Gauntt. No. 1,258,668; Mar. 12; v. 248; p. 249.
Feeding device. J. C. Schaffer. No. 1,270,332; June 25; v. 251; p. 704.
Feeding device. F. J. Venning. No. 1,255,960; Feb. 12; v. 247; p. 285.
Feeding device, Animal-. W. B. F. Little. No. 1,286,676; Dec. 3; v. 257; p. 119.
Feeding device, Animal-. E. J. Rood. No. 1,260,713; Mar. 26; v. 248; p. 902.
Feeding device, Animal-. A. and M. Weyeneth. No. 1,258,069; Mar. 5; v. 248; p. 34.
Feeding device for mixers. J. L. Hallinan. No. 1,287,976; Dec. 17; v. 257; p. 508.
Feeding device for pegging-strips in pegging devices. J. Larsen. No. 1,284,717; Nov. 12; v. 256; p. 360.
Feeding device, Liquid-. W. A. Butchart. No. 1,256,516; Feb. 19; v. 247; p. 487.
Feeding device, Poultry-. F. Bryant. No. 1,287,867; Dec. 17; v. 257; p. 482.
Feeding device, Swine-. H. F. Brown, O. D. Maddux, and D. E. Woodling. No. 1,283,464; Nov. 5; p. 256; p. 7.
Feeding-gate. M. W. Ahern. No. 1,261,991; Apr. 9; v. 249; p. 314.
Feeding-machine. C. E. Christophel. No. 1,258,744; Mar. 12; v. 248; p. 269.
Feeding-machines, Slow-down and sheet-straightener for. T. E. Breen and R. Meredith. No. 1,289,628; Dec. 31; v. 257; p. 965.
Feeding mechanism. B. M. W. Hanson. No. 1,255,600; Feb. 5; v. 247; p. 141.
Feeding mechanism. L. R. Heim. No. 1,278,463; Sept. 10; v. 254; p. 330.
Feeding mechanism. A. F. McCollum. No. 1,257,900; Feb. 26; v. 247; p. 927.
Feeding mechanism. R. M. Otarii and T. R. Schoenleber. No. 1,262,383; Apr. 9; v. 249; p. 423.
Feeding mechanism. A. Ruzicka. No. 1,262,100; Apr. 9; v. 249; p. 342.
Feeding mechanism for depositors. A. L. Bausman. No. 1,273,988; July 30; v. 252; p. 1022.
Feeding mechanism for web material. E. M. Hawkins. No. 1,286,308; Dec. 3; v. 257; p. 30.
Feeding-rack. F. T. Lewis and E. E. Samuelson. No. 1,269,827; June 18; v. 251; p. 542.
Feeding-roller mounting. T. C. Morris. No. 1,279,406; Sept. 17; v. 254; p. 615.
Feeding-rollers, Mounting for. T. C. Morris. No. 1,278,979; Sept. 17; v. 254; p. 501.
Feeding slop or swill, Device for. E. A. Casper and J. K. Symonds. No. 1,269,580; June 18; v. 251; p. 472.
Feeding-table. C. Stichel. No. 1,271,959; July 9; v. 252; p. 370.
Feeding-trough. C. A. Barnes. No. 1,276,610; Aug. 20; v. 253; p. 691.
Feeding-trough. P. B. Lilley. No. 1,276,087; Aug. 20; v. 253; p. 544.
Feeding trough, Stock-. J. C. Nichols. No. 1,269,108; June 11; v. 251; p. 311.
Feeding-troughs, Hopper for. W. A. McCollough. No. 1,252,594; Jan. 8; v. 246; p. 367.
Feldspar, leucite, and the like, Treatment of. F. A. Rody. No. 1,285,796; Nov. 26; v. 256; p. 712.
Feller attachment. F. Thompson. No. 1,266,883; May 21; v. 250; p. 615.

Fellies, Manufacturing metal. R. Kronenberg. No. 1,254,411; Jan. 22; v. 246; p. 942.
Felly. M. L. Kelly. No. 1,271,038; July 2; v. 252; p. 81.
Felly construction. G. D. Rose. No. 1,257,125; Feb. 19; v. 247; p. 663.
Felt and making same, Composite. R. P. Perry. No. 1,288,158; Dec. 17; v. 257; p. 555.
Felt, Fur-mixed. C. A. Robinson. No. 1,253,532; Jan. 15; v. 246; p. 671.
Fence. S. J. Burress. No. 1,264,875; Apr. 30; v. 249; p. 1196.
Fence. W. L. Butcher. No. 1,254,653; Jan. 29; v. 246; v. 1040.
Fence. W. L. Butcher. No. 1,276,718; Aug. 27; v. 253; p. 757.
Fence. A. J. Tingley. No. 1,275,795; Aug. 13; v. 253; p. 432.
Fence attachment. J. F. Brown. No. 1,270,112; June 18; v. 251; p. 617.
Fence, Automatic snow-. S. J. Schwitzer. No. 1,278,763; Sept. 10; v. 254; p. 412.
Fence clamp, Wire-. T. H. Monteith. No. 1,258,598; Mar. 5; v. 248; p. 189.
Fence clamp, Wire-. G. Randolph. No. 1,274,594; Aug. 6; v. 253; p. 73.
Fence fabric. P. Dobkins. No. 1,279,849; Sept. 24; v. 254; p. 765.
Fence fabric. A. M. Hoteling. No. 1,285,710; Nov. 26; v. 256; p. 688.
Fence fastener for cement posts, Wire-. H. Diebel. No. 1,275,137; Aug. 6; v. 253; p. 224.
Fence fastener, Wire-. J. S. Gibson. No. 1,264,384; Apr. 30; v. 249; p. 1061.
Fence-gate. J. A. Ferris. No. 1,268,948; June 11; v. 251; p. 266.
Fence-guard. A. W. Eikenberry. No. 1,278,618; Sept. 10; v. 254; p. 373.
Fence-guard, Adjustable. G. B. Bird. No. 1,269,551; June 11; v. 251; p. 431.
Fence machine, Wire-. G. F. Conner. No. 1,261,773; Apr. 9; v. 249; p. 254.
Fence-machines, Splice-indicator for. A. C. Mills. No. 1,282,911; Oct. 29; v. 255; p. 890.
Fence, Portable. A. H. Schlesinger. No. 1,251,926; Jan. 1; v. 246; p. 143.
Fence, Portable farm-. W. Bikowski. No. 1,284,569; Nov. 12; v. 256; p. 322.
Fence-post. B. Anderson. No. 1,276,853; Aug. 27; v. 253; p. 791.
Fence-post. V. D. Brittingham. No. 1,261,353; Apr. 2; v. 249; p. 103.
Fence-post. F. Childers. No. 1,277,293; Aug. 27; v. 253; p. 907.
Fence-post. C. C. S. Ephraim. No. 1,264,624; Apr. 30; v. 249; p. 1129.
Fence-post. C. Haines. No. 1,283,163; Oct. 29; v. 255; p. 959.
Fence-post. C. Henkel. No. 1,283,178; Oct. 29; v. 255; p. 963.
Fence-post. I. Love. No. 1,267,238; May 21; v. 250; p. 715.
Fence-post. F. Novess. No. 1,271,751; July 9; v. 252; p. 313.
Fence-post. C. W. Regel. No. 1,267,116; May 21; v. 250; p. 681.
Fence-post. B. F. Seymour. No. 1,259,051; Mar. 12; v. 248; p. 360.
Fence-post. G. C. Sharpe. No. 1,263,132; Apr. 16; v. 249; p. 664.
Fence-post. W. M. Shaw. No. 1,254,363; Jan. 22; v. 246; p. 929.
Fence-post. L. W. Shoecraft. No. 1,268,167; June 4; v. 251; p. 28.
Fence-post. A. Sholund. No. 1,280,093; Sept. 24; v. 254; p. 832.
Fence-post. B. Wallenkamp. No. 1,261,076; Apr. 2; v. 249; p. 24.
Fence-post. G. M. Zimmerman. No. 1,280,355; Oct. 1; v. 255; p. 68.
Fence-post and anchor-block for wire fences, Reinforced-cement. R. E. Lewis. No. 1,265,460; May 7; v. 250; p. 162.
Fence-post and cutting the same. J. Haish. No. 1,251,513; Jan. 1; v. 246; p. 18.
Fence-post and wire-fastener. G. G. Hanson. No. 1,288,572; Dec. 24; v. 257; p. 681.
Fence-post base. W. T. Bennett, Jr. No. 1,284,565; Nov. 12; v. 256; p. 321.
Fence-post brace construction. J. F. Henning. No. 1,252,569; Jan. 8; v. 246; p. 361.
Fence-post, Combination. A. C. Morris. No. 1,263,098; Apr. 16; v. 249; p. 654.
Fence-post, Metal. R. L. Cushing. No. 1,252,245; Jan. 1; v. 246; p. 232.
Fence-post, Metal. A. W. McAlister. No. 1,266,568; May 28; v. 250; p. 832.
Fence-post puller. O. Olson. No. 1,261,600; Apr. 2; v. 249; p. 172.
Fence-post with base, Reinforced plastic. L. A. Wagner. No. 1,271,105; July 2; v. 252; p. 99.
Fence-posts, Nailing-strip for concrete. A. B. Smith. No. 1,270,452; June 25; v. 251; p. 736.
Fence, Rod or wire panel. W. C. Gay. No. 1,275,900; Aug. 13; v. 253; p. 461.
Fence-splicer. J. L. Greenfield. No. 1,254,402; Jan. 22; v. 246; p. 940.
Fence-stay machine, Wire-. L. Alverson. No. 1,264,746; Apr. 30; v. 249; p. 1161.
Fence-stay-wire-forming machine. J. T. Tillman. No. 1,258,271; Mar. 5; v. 248; p. 94.
Fence-stays, Machine for making. S. Ames and T. Lovelady. No. 1,275,517; Aug. 13; v. 253; p. 354.
Fence-stretcher clamp. G. O. Wilson. No. 1,254,458; Jan. 22; v. 246; p. 955.
Fence-stretcher support, Wire-. C. Mundt. No. 1,256,355; Feb. 12; v. 247; p. 404.
Fence structure, Wire-. E. L. Wee. No. 1,276,840; Aug. 27; v. 253; p. 788.
Fence-tightening post. N. F. Howard. No. 1,287,319; Dec. 10; v. 257; p. 315.
Fence, Wire. J. S. Barnes. No. 1,269,774; June 18; v. 251; p. 527.
Fence-wire clamp. K. Maddox. No. 1,264,108; Apr. 23; v. 249; p. 951.
Fence-wire fastener. A. Bradshaw. No. 1,254,388; Jan. 22; v. 246; p. 936.
Fence-wire-fastening device. W. E. Amberg. No. 1,286,488; Dec. 3; v. 257; p. 76.
Fence-wire stretcher. R. E. L. Freese. No. 1,275,896; Aug. 13; v. 253; p. 460.
Fence-wires, Attaching. W. E. Amberg. No. 1,278,413; Sept. 10; v. 254; p. 318.
Fences, Implement for tightening wire. R. L. Bryan. No. 1,268,922; June 11; v. 251; p. 260.
Fences, Mechanism for making wire. A. G. Johnson. No. 1,273,374; July 23; v. 252; p. 817.
Fencing. W. C. Johnson. No. 1,269,819; June 18; v. 251; p. 540.
Fencing implement. E. Riebe. No. 1,276,959; Aug. 27; v. 253; p. 820.
Fender: *See*—
Auto-fender.
Automobile-fender.
Automobile and street-car fender.
Car-fender.
Cultivator-fender.
Dock-fender.
Fireplace-fender.
Plow-fender.
Submarine-fender.
Tire-fender.
Torpedo-fender.
Vehicle-fender.
Fender. F. J. Bober. No. 1,285,002; Nov. 19; v. 256; p. 472.
Fender. E. M. Brown. No. 1,267,966; May 28; v. 250; p. 945.
Fender. M. F. Field. No. 1,256,781; Feb. 19; v. 247; p. 564.
Fender. C. Gilbert. No. 1,274,705; Aug. 6; v. 253; p. 104.
Fender. F. Koubek. No. 1,281,397; Oct. 15; v. 255; p. 413.
Fender. F. R. McCallin. No. 1,266,536; May 14; v. 250; p. 488.
Fender. J. A. Scheutz. No. 1,262,854; Apr. 16; v. 249; p. 584.
Fender-brace. L. A. Prince. No. 1,267,589; May 28; v. 250; p. 838.
Fender mechanism. E. R. Moudy. No. 1,269,488; June 11; v. 251; p. 415.
Ferment and making the same. A. D. Barr. No. 1,253,334; Jan. 15; v. 246; p. 613.
Ferro-molybdenum, Making. E. H. Westling and C. Andersen. No. 1,278,408; Sept. 10; v. 254; p. 317.
Ferromanganese, Producing. J. T. Jones. No. 1,289,799; Dec. 31; v. 257; p. 1006.
Ferrophosphorus from iron phosphatic material, Making. J. J. Gray, Jr. No. 1,265,076; May 7; v. 250; p. 57.
Ferrophosphorus in rotary furnaces, Producing. H. A. Webster. No. 1,265,149; May 7; v. 250; p. 77.
Ferrophosphorus, Making. H. A. Webster. No. 1,264,236; Apr. 30; v. 249; p. 1021.
Ferrosilicid, Manufacture of shaped castings of. N. G. Petinot. No. 1,274,360; July 30; v. 252; p. 1124.
Ferrosilicon in blast-furnaces, Producing. J. E. Johnson, Jr. (Reissue.) No. 14,547; Nov. 12; v. 256; p. 422.
Ferrosilicon, Making. G. C. Furness. No. 1,284,645; Nov. 12; v. 256; p. 341.
Ferrous alkali silicates, Treating. W. Glaeser. No. 1,254,676; Jan. 29; v. 246; p. 1047.
Ferrule, Detachable. H. W. Reimer and J. L. Penner. No. 1,265,113; May 7; v. 250; p. 68.
Ferrule for tool-handles, Self-fastening. W. F. Hobbs. No. 1,272,042; July 9; v. 252; p. 395.
Fertilizer. H. Blumenberg, Jr. No. 1,270,688; June 25; v. 251; p. 800.
Fertilizer. J. N. Hoff. No. 1,261,025; Apr. 2; v. 249; p. 10.
Fertilizer and fertilizing. C. Bosch. No. 1,280,650; Oct. 8; v. 255; p. 174.
Fertilizer and making the same. H. Blumenberg, Jr. No. 1,266,199; May 14; v. 250; p. 398.
Fertilizer and seed-planter, Combined. L. Willis. No. 1,253,759; Jan. 15; v. 246; p. 736.
Fertilizer chemical and composite distributer. H. B. and F. A. Pickett. No. 1,275,736; Aug. 13; v. 253; p. 415.
Fertilizer composition. L. L. Jackson. No. 1,289,789; Dec. 31; v. 257; p. 1004.

Fertilizer containing urea, Producing phosphoric-acid. E. Lie. No. 1,275,276; Aug. 13; v. 253; p. 288.
Fertilizer-distributer. E. M. Hennig. No. 1,283,180; Oct. 29; v. 255; p. 963.
Fertilizer-distributer. D. R. Holden. No. 1,285,183; Nov. 19; v. 256; p. 518.
Fertilizer-distributer. H. C. Gregory. No. 1,280,103; Sept. 24; v. 254; p. 835.
Fertilizer-distributer. R. M. Shooter. No. 1,287,473; Dec. 10; v. 257; p. 351.
Fertilizer-distributer. S. S. Swanson. No. 1,270,070; June 18; v. 251; p. 606.
Fertilizer-distributer. R. Wickliffe. No. 1,256,854; Feb. 19; v. 247; p. 585.
Fertilizer-distributer and planter. L. Mehlberger. No. 1,262,685; Apr. 16; v. 249; p. 536.
Fertilizer-distributers, Feeding mechanism for. S. S. Swanson. No. 1,270,071; June 18; v. 251; p. 606.
Fertilizer-distributing apparatus. G. Kirkegaard. No. 1,260,777; Mar. 26; v. 248; p. 921.
Fertilizer-distributing attachment. W. W. Wills. No. 1,258,515; Mar. 5; v. 248; p. 164.
Fertilizer-distributing machine. E. L. Beezley and F. Lane. No. 1,271,007; July 2; v. 252; p. 73.
Fertilizer-distributing mechanism. H. C. Wallace. No. 1,275,332; Aug. 13; v. 253; p. 304.
Fertilizer-dropping device. C. G. Lundstrom. No. 1,270,849; July 2; v. 252; p. 27.
Fertilizer for seeds and plants, Physiological. N. A. Barbieri. No. 1,282,170; Oct. 22; v. 255; p. 660.
Fertilizer from leather waste, Production of a nitrogenous. R. P. Rose. No. 1,255,643; Feb. 5; v. 247; p. 153.
Fertilizer from peat and making the same. N. Testrup and T. Rigby. No. 1,277,155; Aug. 27; v. 253; p. 873.
Fertilizer, Making. D. E. Clark. No. 1,268,683; June 4; v. 251; p. 174.
Fertilizer, Making a. H. Blumenberg, Jr. No. 1,266,198; May 14; v. 250; p. 398.
Fertilizer, Making a mixed phosphatic and nitrogenous. R. F. Gardiner. No. 1,258,106; Mar. 5; v. 248; p. 47.
Fertilizer, Making a mixed potash, nitrogenous, and phosphatic. R. F. Gardiner. No. 1,261,116; Apr. 2; v. 249; p. 36.
Fertilizer, &c., Making artificial. J. H. Connor. No. 1,283,678; Nov. 5; v. 256; p. 63.
Fertilizer, Making phosphopotassic. A. F. Delacourt. No. 1,282,385; Oct. 22; v. 255; p. 718.
Fertilizer, Manufacturing. J. H. Connor. No. 1,283,677; Nov. 5; v. 256; p. 63.
Fertilizer materials, Making. P. H. Carter. No. 1,279,838; Sept. 24; v. 254; p. 762.
Fertilizer materials, Producing. T. C. Meadows. No. 1,276,555; Aug. 20; v. 253; p. 674.
Fertilizer, Preparation of new. G. Borghesani and G. Stampa. No. 1,272,001; July 9; v. 252; p. 384.
Fertilizer, Producing a mixed potash and nitrogen. R. F. Gardiner. No. 1,261,117; Apr. 2; v. 249; p. 36.
Fertilizer purposes, Treating organic matter for. A. J. Grinberg and B. Field. No. 1,268,563; June 4; v. 251; p. 140.
Fertilizer-spreader. C. A. Long. No. 1,260,219; Mar. 19; v. 248; p. 723.
Fertilizer-spreader. G. Wenzelmann. No. 1,281,449; Oct. 15; v. 255; p. 426.
Fertilizing material from tannery waste liquids, Recovering. V. H. Kadish. No. 1,269,189; June 11; v. 251; p. 333.
Fertilizing material, Preparing. T. A. Dungan. No. 1,257,591; Feb. 26; v. 247; p. 837.
Fertilizing method and material. W. O. Snelling. No. 1,274,343; July 30; v. 252; p. 1120.
Fertilizing method and material. W. O. Snelling. No. 1,289,565; Dec. 31; v. 257; p. 949.
Fiber articles, Shaping. O. Fischer. No. 1,275,888; Aug. 13; v. 253; p. 458.
Fiber-board and manufacture, Water and fire resisting. A. L. Clapp. No. 1,280,400; Oct. 1; v. 255; p. 79.
Fiber-cleaning device. E. O. Worrick. No. 1,274,832; Aug. 6; v. 253; p. 140.
Fiber-cleaning machine. A. Pons. No. 1,255,633; Feb. 5; v. 247; p. 150.
Fiber-producing machine. O. T. Hungerford. No. 1,258,336; Mar. 5; v. 248; p. 112.
Fiber scutching, heckling, and cleaning machine. Vegetable-. A. G. Brown. No. 1,264,608; Apr. 30; v. 249; p. 1125.
Fiber, Treating. R. R. Roberts. No. 1,272,851; July 16; p. 252; p. 651.
Fiber-treating machine. H. M. Dudley. No. 1,274,524; Aug. 6; v. 253; p. 53.
Fiber-treating process and apparatus. H. R. Anders. No. 1,252,986; Jan. 8; v. 246; p. 481.
Fiber, Treating vegetable. M. W. Marsden. No. 1,269,476; June 11; v. 251; p. 412.
Fibers, Removing pectic matter from vegetable. B. Leech. No. 1,263,685; Apr. 23; v. 249; p. 836.
Fibrous composition and making the same. G. A. Henderson. No. 1,265,655; May 7; v. 250; p. 212.
Fibrous composition and making the same. G. A. Henderson. No. 1,270,732; June 25; v. 251; p. 811.
Fibrous material and making the same. A. L. Clapp. No. 1,269,905; June 18; v. 251; p. 563.
Fibrous-material-feeding mechanism. F. L. Furbush and O. H. Cilley. No. 1,272,654; July 16; v. 252; p. 595.
Fibrous material from rice-straw, Producing. J. K. Toles. No. 1,262,872; Apr. 16; v. 249; p. 589.
Fibrous materials, Treating. G. E. Ferguson. No. 1,268,446; June 4; v. 251; p. 108.
Fiduciary papers for the purpose of preventing fraud, Treating. C. A. Coppier. No. 1,271,857; July 9; v. 252; p. 341.
Field-magnet with parallel grooves for the windings, Rotary. F. Ljungström. No. 1,282,891; Oct. 29; v. 255; p. 884.
Field-pole construction. A. J. Brown. No. 1,279,643; Sept. 24; v. 254; p. 705.
Fifth-wheel for trailers or the like. J. W. Menhall and C. G. Clement. No. 1,261,261; Apr. 2; v. 249; p. 76.
Filament or wire formed of a single crystal. O. Schaller. No. 1,256,930; Feb. 19; v. 247; p. 608.
Filaments, Shaping. D. K. Wright. No. 1,265,575; May 7; v. 250; p. 191.
File. W. L. Moffat. No. 1,255,819; Feb. 5; v. 247; p. 204.
File, Bill-. H. Braen. No. 1,261,480; Apr. 2; v. 249; p. 137.
File, Binder-. D. Taylor. No. 1,275,104; Aug. 6; v. 253; p. 216.
File-binder fastener. J. Niebling. No. 1,268,757; June 4; v. 251; p. 194.
File-box. C. W. Allison. No. 1,257,299; Feb. 26; v. 247; p. 751.
File-box. G. H. Kunsman. No. 1,277,734; Sept. 3; v. 254; p. 112.
File-cabinet. O. M. Shannon. No. 1,273,005; July 16; v. 252; p. 693.
File-case-handling device. D. J. Boncher and W. E. Draeb. No. 1,258,309; Mar. 5; v. 248; p. 104.
File, Emery-cloth. A. Katzke. No. 1,277,601; Sept. 3; v. 254; p. 74.
File for correspondence, &c. E. Jacobsen. No. 1,273,862; July 30; v. 252; p. 986.
File-handle, Forward. F. J. Schlegel. No. 1,280,557; Oct. 1; v. 255; p. 123.
File, Label-. L. Hall. No. 1,271,508; July 2; v. 252; p. 210.
File, Letter or the like. H. C. Scheltle. No. 1,280,868; Oct. 8; v. 255; p. 235.
File, loose-leaf book, or the like. W. A. Cooke, Jr. No. 1,285,048; Nov. 19; v. 256; p. 483.
File, Multiple circular. E. H. Scheifer. No. 1,288,218; Dec. 17; v. 257; p. 568.
File, Newspaper-. H. E. Sloan and G. A. Wiedemann. No. 1,266,635; May 21; v. 250; p. 546.
File, Paper-. T. C. Coull and W. E. McLean. No. 1,275,397; Aug. 13; v. 253; p. 322.
File, Paper-. H. H. Darst. No. 1,254,991; Jan. 29; v. 246; p. 1141.
File, Pocket index-. W. W. Waring. No. 1,272,155; July 9; v. 252; p. 427.
File-rack. J. H. Plank. No. 1,257,528; Feb. 26; v. 247; p. 818.
File, Record-. F. P. Read. No. 1,253,629; Jan. 15; v. 246; p. 698.
File, Record-. F. P. Read. No. 1,286,772; Dec. 3; v. 257; p. 140.
File, Stationery-. H. C. Currier. No. 1,252,092; Jan. 1; v. 246; p. 191.
File, Vertical. C. H. Myers. No. 1,259,659; Mar. 19; v. 248; p. 561.
Files and saws, Manufacture of. W. H. Denley. No. 1,268,819; June 11; v. 251; p. 231.
Filing appliance. H. J. Hick. No. 1,251,521; Jan. 1; v. 246; p. 21.
Filing appliance. H. J. Hick. No. 1,251,663; Jan. 1; v. 246; p. 67.
Filing appliance. H. J. Hick. No. 1,253,375; Jan. 15; v. 246; p. 626.
Filing appliance. H. J. Hick. No. 1,276,356; Aug. 20; v. 253; p. 619.
Filing appliance. F. E. Liverance, Jr. No. 1,273,243; July 23; v. 252; p. 782.
Filing appliance. E. B. Moseley. No. 1,281,812; Oct. 15; v. 255; p. 523.
Filing appliance. E. T. Silvius. No. 1,263,614; Apr. 23; v. 249; p. 817.
Filing-appliance leaf. F. E. Liverance, Jr. No. 1,273,242; July 23; v. 252; p. 782.
Filing-binder and binding-clip, Combined. E. Baltzley. No. 1,283,037; Oct. 29; v. 255; p. 925.
Filing-cabinet. T. D. Brown. No. 1,270,260; June 25; v. 251; p. 683.
Filing-cabinet. D. E. Hunter. No. 1,289,180; Dec. 31; v. 257; p. 853.
Filing-cabinet. A. S. Klein. No. 1,289,190; Dec. 31; v. 257; p. 855.
Filing-cabinet. J. P. Ratigan. No. 1,274,446; Aug. 6; v. 253; p. 30.
Filing-cabinet. H. Rousset. No. 1,285,116; Nov. 26; v. 256; p. 789.
Filing-cabinet for desks. G. H. Young. No. 1,269,243; June 11; v. 251; p. 349.
Filing-cabinet lock-rod. R. G. Bullock. No. 1,284,581; Nov. 12; v. 256; p. 325.

Filing-cabinets, Follower-block for. J. Hatfield. No. 1,265,081; May 7; v. 250; p. 59.
Filing-cabinets, Partition construction for. A. A. Schramm. No. 1,274,606; Aug. 6; v. 253; p. 77.
Filing-case. W. S. Clark. No. 1,259,602; Mar. 19; v. 248; p. 546.
Filing-case, Metal. L. T. Kuehl. No. 1,252,816; Jan. 8; v. 246; p. 430.
Filing-case, Metallic. W. K. Cochran. No. 1,268,063; May 28; v. 250; p. 971.
Filing device. H. C. Fosberg and D. H. Strachan. No. 1,266,444; May 14; v. 250; p. 461.
Filing device. J. Manown. No. 1,287,379; Dec. 10; v. 257; p. 331.
Filing device. C. A. Palmgren. No. 1,268,143; June 4; v. 251; p. 21.
Filing device. E. E. Rettig. No. 1,283,901; Nov. 5; v. 256; p. 123.
Filing device. L. Sainberg. No. 1,278,510; Sept. 10; v. 254; p. 344.
Filing device. J. H. Wagner. No. 1,275,508; Aug. 13; v. 253; p. 351.
Filing device, Cost-. H. H. Martin. No. 1,253,410; Jan. 15; v. 246; p. 638.
Filing device for bound catalogues, books, &c. A. L. Lewis. No. 1,275,054; Aug. 6; v. 253; p. 203.
Filing machine, Prescription-. J. H. Elder. No. 1,275,008; Aug. 6; v. 253; p. 189.
Filing mechanism, Record-. W. Stuebing, Jr., and L. J. Van Guelpen. No. 1,258,498; Mar. 5; v. 248; p. 159.
Filing-system case. S. E. Webber. No. 1,279,621; Sept. 24; v. 254; p. 699.
Filet-crocheting, Process of. A. P. Keller. No. 1,266,951; May 21; v. 250; p. 634.
Filler-applier for floor-cracks. H. C. Hollinger, Sr. No. 1,282,579; Oct. 22; v. 255; p. 770.
Filler-bars in beater-rolls, Device or machine for inserting. C. F. Sisson. No. 1,278,045; Sept. 3; v. 254; p. 194.
Filling and closing machine, Combined. E. K. Norton. No. 1,273,651; July 23; v. 252; p. 892.
Filling and indurating porous material and the product thereof. W. V. Lander. No. 1,278,943; Sept. 17; v. 254; p. 492.
Filling and weighing machine. T. W. McNeill. No. 1,258,029; Mar. 5; v. 248; p. 24.
Filling apparatus. A. Sheinaus. No. 1,256,065; Feb. 12; v. 247; p. 316.
Filling capsules, Machine for. O. M. Taylor. No. 1,280,585; Oct. 1; v. 255; p. 131.
Filling composition. J. F. Collins. No. 1,282,009; Oct. 15; v. 255; p. 573.
Filling-end controller. H. J. Hedler. No. 1,275,684; Aug. 13; v. 253; p. 400.
Filling-end finder. D. Osgood and A. E. Rhoades. No. 1,256,251; Feb. 12; v. 247; p. 372.
Filling-end finder and filling-carrier feeder. T. Carter. No. 1,277,376; Sept. 3; v. 254; p. 11.
Filling-machine. L. A. Baker. No. 1,254,190; Jan. 22; v. 246; p. 879.
Filling-machine. C. H. Buchholz. No. 1,268,923; June 11; v. 251; p. 260.
Filling-machine. F. J. Englen. No. 1,253,018; Jan. 8; v. 246; p. 491.
Filling-machine. W. Munn. No. 1,257,012; Feb. 19; v. 247; p. 634.
Filling-machine. C. E. Rogers. No. 1,279,161; Sept. 17; v. 254; p. 548.
Filling-parter. E. S. Stimpson. No. 1,288,260; Dec. 17; v. 257; p. 578.
Filling-parting mechanism. E. S. Stimpson. No. 1,272,557; July 16; v. 252; p. 564.
Filling stop-motion. I. Snow. No. 1,275,487; Aug. 13; v. 253; p. 345.
Film-advancing mechanism. W. Wenderhold. No. 1,263,496; Apr. 23; v. 249; p. 786.
Film-bands, Apparatus for consecutively affixing serial views to. W. Löw. No. 1,273,113; July 16; v. 252; p. 721.
Film-box. C. H. Ruggles. No. 1,288,207; Dec. 17; v. 257; p. 566.
Film-box. F. N. Thimble. No. 1,277,665; Sept. 3; v. 254; p. 93.
Film-carrier. E. W. Rossman and L. L. London. No. 1,279,762; Sept. 24; v. 254; p. 739.
Film-case, Slide-pocket. E. E. McVicker. No. 1,262,965; Apr. 16; v. 249; p. 615.
Film-cleaning apparatus. M. S. Rosenfeld. No. 1,281,841; Oct. 15; v. 255; p. 531.
Film, Color-negative. P. D. Brewster. No. 1,258,087; Mar. 5; v. 248; p. 41.
Film, Composite cellulose. J. E. Brandenberger. No. 1,266,766; May 21; v. 250; p. 583.
Film conductor and making the same. I. Langmuir. No. 1,273,628; July 23; v. 252; p. 885.
Film-developing apparatus. J. A. Robertson. No. 1,275,753; Aug. 13; v. 253; p. 420.
Film-developing apparatus, Roll-. R. Kroedel. No. 1,266,491; May 14; v. 250; p. 474.
Film-developing means. R. Newman. No. 1,277,462; Sept. 3; v. 254; p. 36.
Film-disks, Feed means for. F. E. Koella. No. 1,254,239; Jan. 22; v. 246; p. 892.
Film-feed mechanism, Auxiliary-. M. Segel. No. 1,252,042; Jan. 1; v. 246; p. 177.
Film-feeding mechanism. H. M. Connor and D. D. Miles. No. 1,277,195; Aug. 27; v. 253; p. 884.
Film-forming electrolyte. J. Coulson. No. 1,266,557; May 21; v. 250; p. 523.
Film-holder. N. M. Hansen. No. 1,266,254; May 14; v. 250; p. 412.
Film-holder. H. T. Sublisky. No. 1,279,607; Sept. 24; v. 254; p. 695.
Film-holder. A. Wollensak. No. 1,285,539; Nov. 19; v. 256; p. 606.
Film holder, Cut-. A. A. Ruttan. No. 1,270,330; June 25; v. 251; p. 703.
Film-holder, Mouth-. P. P. Dorr. No. 1,286,251; Dec. 3; v. 257; p. 17.
Film-holding device. G. M. Dye. No. 1,258,756; Mar. 12; v. 248; p. 273.
Film-holding spool. R. Johnson. No. 1,268,724; June 4; v. 251; p. 185.
Film-lubricated thrust and journal bearing. H. T. Newbigin. No. 1,275,079; Aug. 6; v. 253; p. 209.
Film-mount. W. L. Snider. No. 1,285,441; Nov. 19; v. 256; p. 583.
Film, Multicolor. J. E. Thornton. No. 1,281,714; Oct. 15; v. 255; p. 495.
Film-pack holder and adjuster. W. R. Bardsley. No. 1,259,069; Mar. 12; v. 248; p. 365.
Film-perforating machines, Bed construction for. A. S. Howell. No. 1,288,416; Dec. 17; v. 257; p. 614.
Film-perforators and other apparatus, Stop mechanism for. A. S. Howell. No. 1,262,671; Apr. 16; v. 249; p. 532.
Film-rectifier. L. B. Griffin. No. 1,273,359; July 23; v. 252; p. 813.
Film-reel. S. Kohn. No. 1,267,773; May 28; v. 250; p. 890.
Film reel, Endless-. S. Ponon. No. 1,254,272; Jan. 22; v. 246; p. 902.
Film-reel tension device. N. Power. No. 1,284,448; Nov. 12; v. 256; p. 293.
Film reverse-winder. P. J. Prokop. No. 1,285,375; Nov. 19; v. 256; p. 565.
Film-ruling mechanism. B. Stechbart. No. 1,287,501; Dec. 10; v. 257; p. 358.
Film-socket. H. H. Ashinger. No. 1,274,495; Aug. 6; v. 253; p. 44.
Film-splicing machines, Scraper for. A. S. Howell. No. 1,254,911; Jan. 29; v. 246; p. 1120.
Film-spool. J. S. Harmon. No. 1,270,614; June 25; v. 251; p. 782.
Film-take-up device. W. Wenderhold. No. 1,275,636; Aug. 13; v. 253; p. 387.
Film-threader, Automatic. J. M. Bower. No. 1,265,039; May 7; v. 250; p. 47.
Film-treating apparatus. F. B. Thompson. No. 1,260,595; Mar. 26; v. 248; p. 868.
Film-valve, Automatic. J. A. Le Roy. No. 1,277,958; Sept. 3; v. 254; p. 171.
Film-winding device. H. G. Mordaunt. No. 1,253,076; Jan. 8; v. 246; p. 509.
Films, Cleaning. M. S. Rosenfeld. No. 1,273,928; July 30; v. 252; p. 1006.
Films, Holdfast for shading-. F. Cowan. No. 1,255,514; Feb. 5; v. 247; p. 115.
Films, Means for developing. R. Newman. No. 1,256,247; Feb. 12; v. 247; p. 372.
Films, Splicing means for. E. G. Whitmore. No. 1,255,257; Feb. 5; v. 247; p. 41.
Films, Treating. E. Davis. No. 1,257,682; Feb. 26; v. 247; p. 863.
Filter. F. K. and E. F. Atkins. No. 1,273,127; July 23; v. 252; p. 751.
Filter. J. W. Behrendt and F. A. Weise. No. 1,256,766; Feb. 19; v. 247; p. 559.
Filter. C. T. Bucher. No. 1,260,751; Mar. 26; v. 248; p. 914.
Filter, G. Caen, Sr. No. 1,284,233; Nov. 12; v. 256; p. 237.
Filter. E. E. Chapin. No. 1,288,508; Dec. 24; v. 257; p. 664.
Filter. W. H. Duryea. No. 1,271,681; July 9; v. 252; p. 293.
Filter. G. Elmore. No. 1,259,498; Mar. 19; v. 248; p. 517.
Filter. W. R. Hildebrand. No. 1,273,608; July 23; v. 252; p. 881.
Filter. H. A. Hills. No. 1,262,495; Apr. 9; v. 249; p. 453.
Filter. T. C. Lackland. No. 1,261,558; Apr. 2; v. 249; p. 161.
Filter. A. Legault. No. 1,267,427; May 28; v. 250; p. 794.
Filter. F. C. MacDonell. No. 1,257,267; Feb. 19; v. 247; p. 706.
Filter. C. W. Merrill. No. 1,259,032; Mar. 12; v. 248; p. 354.
Filter. A. J. Moisant. No. 1,270,042; June 18; v. 251; p. 599.
Filter. D. L. Richards. No. 1,261,439; Apr. 2; v. 249; p. 127.
Filter. J. M. Witmer. No. 1,279,063; Sept. 17; v. 254; p. 524.

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Filter, Air-. F. W. R. Williams. No. 1,282,345; Oct. 22; v. 255; p. 708.
Filter and the like, Dust-. G. H. Fraser. No. 1,259,008; Mar. 12; v. 248; p. 347.
Filter and water-separator, Combined. W. W. Nugent. No. 1,252,017; Jan. 1; v. 246; p. 169.
Filter, Automatic cane-juice. B. Salinas y Souza. No. 1,254,160; Jan. 22; v. 246; p. 871.
Filter-body. G. H. Seitz and F. Schmitthenner. No. 1,256,171; Feb. 12; v. 247; p. 349.
Filter-cakes, Washing. A. L. Genter. No. 1,280,439; Oct. 1; v. 255; p. 91.
Filter, Chemical. W. R. Beckley. No. 1, 277,832; Sept. 3; v. 254; p. 139.
Filter, Continuous rotary pressure-. J. A. McCaskell. No. 1,266,133; May 14; v. 250; p. 378.
Filter-film-forming apparatus. G. Moore. No. 1,287,074; Dec. 10; v. 257; p. 253.
Filter film or bed and making same. L. S. Knight. No. 1,285,233; Nov. 19; v. 256; p. 530.
Filter for foot-valves. W. H. Elliott. No. 1,264,035; Apr. 23; v. 249; p. 931.
Filter for sanitary faucet drinking-fountains. A. W. Melander. No. 1,260,233; Mar. 19; v. 248; p. 726.
Filter for use on internal-combustion engines, Oil-. L. Coatalen. No. 1,253,576; Jan. 15; v. 246; p. 684.
Filter-funnel. F. S. Hawken. No. 1,257,956; Feb. 26; v. 247; p. 942.
Filter, Gasolene and oil. G. Caen, Sr. No. 1,268,431; June 4; v. 251; p. 103.
Filter, Liquid-. C. V. Rorer. No. 1,287,755; Dec. 17; v. 257; p. 454.
Filter, Liquid-. J. M. Woodson and J. H. Wilder. No. 1,274,227; July 30; v. 252; p. 1090.
Filter, Oil-. J. H. Packer. No. 1,257,384; Feb. 26; v. 247; p. 775.
Filter-press plate. J. E. Hagstrom. No. 1,282,414; Oct. 22; v. 255; p. 726.
Filter, Pulp-. T. L. Crane. No. 1,268,935; June 11; v. 251; p. 263.
Filter, Rain-spout. J. W. Ranney. No. 1,260,277; Mar. 19; v. 248; p. 739.
Filter, Rotary suction-. O. J. Salisbury. No. 1,259,139; Mar. 12; v. 248; p. 386.
Filter-screen. G. T. Buxton and S. A. Abbey. No. 1,254,025; Jan. 22; v. 246; p. 832.
Filters, Manifold for. F. B. Leopold. No. 1,276,665; Aug. 20; v. 253; p. 705.
Filters, Outlet or extraction pipe of. J. J. Lassen and V. F. Hjort. No. 1,266,132; May 14; v. 250; p. 378.
Filtering and clarifying apparatus, Centrifugal. O. E. Enell. No. 1,269,067; June 11; v. 251; p. 300.
Filtering and purifying water, Device for. H. Brinck. No. 1,279,240; Sept. 17; v. 254; p. 569.
Filtering apparatus. C. F. Hettinger. No. 1,251,662; Jan. 1; v. 246; p. 66.
Filtering apparatus. A. R. Peck. No. 1,282,280; Oct. 22; v. 255; p. 689.
Filtering apparatus. O. J. Salisbury. No. 1,283,925; Nov. 5; v. 256; p. 128.
Filtering apparatus. C. S. Smith. No. 1,276,129; Aug. 20; v. 253; p. 556.
Filtering apparatus and system. W. C. Graham. No. 1,264,635; Apr. 30; v. 249; p. 1132.
Filtering device. E. E. Howson. No. 1,284,347; Nov. 12; v. 256; p. 268.
Filtering-machine, Continuous automatic centrifugal. H. A. Herr. No. 1,286,626; Dec. 3; v. 257; p. 108.
Filtering of water and other liquids or the like. D. Dunbar. No. 1,253,674; Jan. 15; v. 246; p. 713.
Filtering process. A. L. Genter. No. 1,269,700; June 18; v. 251; p. 506.
Finder. J. Becker. No. 1,280,133; Oct. 1; v. 255; p. 4.
Finder. J. Becker. No. 1,283,633; Nov. 5; v. 256; p. 51.
Finder. J. Becker. No. 1,289,088; Dec. 31; v. 257; p. 830.
Finding and focusing means. R. F. Hlavaty. No. 1,275,249; Aug. 13; v. 253; p. 281.
Finely-divided material and air, Apparatus for mixing. A. G. Kinyon and A. I. Jacobs. No. 1,258,912; Mar. 12; v. 248; p. 319.
Finely-subdivided material, Treating. G. C. Lewis. No. 1,263,082; Apr. 16; v. 249; p. 650.
Finger-armor. N. C. Fleming. No. 1,268,103; June 4; v. 251; p. 10.
Finger attachment. J. B. Condley and J. G. Smith. No. 1,261,706; Apr. 2; v. 249; p. 202.
Finger-bowls, Lining and advertising device for. J. G. Patton. No. 1,267,262; May 21; v. 250; p. 721.
Finger-cot. G. M. Shumaker. No. 1,265,124; May 7; v. 250; p. 71.
Finger-exercising device. K. I. Finney. No. 1,256,004; Feb. 12; v. 247; p. 299.
Finger-prints, Fixing. E. Hedrick. No. 1,259,981; Mar. 19; v. 248; p. 658.
Finger-ring. M. H. Kropé. No. 1,265,679; May 7; v. 250; p. 218.
Finger-ring. A. McKellar. No. 1,286,691; Dec. 3; v. 257; p. 123.
Finger-ring. M. Zielinski. No. 1,285,882; Nov. 26; v. 256; p. 734.
Finger-ring and the like. V. A. Gebbhardt. No. 1,280,707; Oct. 8; v. 255; p. 190.
Finger-shield. J. C. Gregory. No. 1,257,846; Feb. 26; v. 247; p. 912.
Finishing, cleaning, or polishing composition and making same. H. S. Blackmore. No. 1,276,481; Aug. 20; v. 253; p. 654.
Finishing, Preparing goods for. D. F. Mayne. No. 1,281,048; Oct. 8; v. 255; p. 283.
Fire-alarm. F. R. Merrill. No. 1,284,411; Nov. 12; v. 256; p. 285.
Fire-alarm. E. Steiger. No. 1,256,740; Feb. 19; v. 247; p. 552.
Fire-alarm. E. L. Tibbs. No. 1,271,806; July 9; v. 252; p. 326.
Fire-alarm apparatus. V. Durbin. No. 1,261,745; Apr. 2; v. 249; p. 211.
Fire-alarm attachment, Automatic. M. D. Montecino. No. 1,277,633; Sept. 3; v. 254; p. 84.
Fire-alarm, Automatic. J. Marino. No. 1,253,071; Jan. 8; v. 246; p. 508.
Fire-alarm, Automatic electric. J. W. Wahl. No. 1,284,950; Nov. 12; v. 256; p. 420.
Fire-alarm-bell ringer. W. S. Schuyler. No. 1,260,461; Mar. 26; v. 248; p. 826.
Fire-alarm box. S. and W. Horst. No. 1,271,469; July 2; v. 252; p. 199.
Fire-alarm box, Safety. J. Hutka. No. 1,288,901; Dec. 24; v. 257; p. 760.
Fire-alarm protective device. M. Arnavas. No. 1,267,165; May 21; v. 250; p. 696.
Fire-alarm system. P. J. Kutulan. No. 1,287,348; Dec. 10; v. 257; p. 322.
Fire-alarm system. W. S. Schuyler. No. 1,282,295; Oct. 22; v. 255; p. 694.
Fire-alarm system, Automatic. J. H. Fleming. No. 1,257,687; Feb. 26; v. 247; p. 864.
Fire-alarm, Thermostatic. H. H. Camp. No. 1,283,660; Nov. 5; v. 256; p. 59.
Fire-alarms, Thermostat for automatic. W. Pryor. No. 1,284,451; Nov. 12; v. 256; p. 294.
Fire and burglar alarm, Automatic. O. O. Mann and W. H. Whitley. No. 1,258,350; Mar. 5; v. 248; p. 116.
Fire and burglar alarm, Combined. A. A. Taylor and H. J. Schatz. No. 1,252,196; Jan. 1; v. 246; p. 219.
Fire and burglar alarm, Electric. L. E. Bates and V. V. Hanks. No. 1,255,277; Feb. 5; v. 247; p. 46.
Fire and gas defense system. R. Joy. No. 1,277,728; Sept. 3; v. 254; p. 110.
Fire apparatus, Chemical. E. W. Dreckschmidt. No. 1,259,610; Mar. 19; v. 248; p. 548.
Fire-box. A. F. Krumholz. No. 1,271,479; July 2; v. 252; p. 202.
Fire-brick and making the same, Silicious. H. A. Kennedy. No. 1,260,398; Mar. 26; v. 248; p. 809.
Fire-brick arches, Constructing. F. J. Jewell. No. 1,288,015; Dec. 17; v. 257; p. 518.
Fire-control device. S. Tousey. No. 1,288,761; Dec. 24; v. 257; p. 727.
Fire-cracker. T. G. Hitt. No. 1,253,596; Jan. 15; v. 246; p. 689.
Fire-cracker. T. G. Hitt. No. 1,253,597; Jan. 15; v. 246; p. 689.
Fire-detecting wire. C. A. Harsch. No. 1,278,920; Sept. 17; v. 254; p. 485.
Fire-door. W. B. Gervais. No. 1,260,182; Mar. 19; v. 248; p. 712.
Fire-door apparatus. W. T. Lane. No. 1,288,619; Dec. 24; v. 257; p. 693.
Fire-door-closing apparatus, Automatic. E. L. Thompson. No. 1,289,306; Dec. 31; v. 257; p. 885.
Fire-door device, Automatic-closing. A. G. Elvin and F. W. Martin. No. 1,264,167; Apr. 30; v. 249; p. 1000.
Fire-door device, Automatic-closing. A. G. Elvin and F. W. Martin. No. 1,264,168; Apr. 30; v. 249; p. 1001.
Fire door or shutter. E. H. McCloud. No. 1,256,915; Feb. 19; v. 247; p. 604.
Fire-door-releasing mechanism. E. A. Lowe. No. 1,269,556; June 11; v. 251; p. 432.
Fire-doors, Automatic closing device for. A. G. Elvin and F. W. Martin. No. 1,264,166; Apr. 30; v. 249; p. 1000.
Fire-doors, Automatic closing device for. F. W. Martin. No. 1,258,033; Mar. 5; v. 248; p. 25.
Fire-doors, Mechanism for automatically closing. H. Ball. No. 1,257,301; Feb. 26; v. 247; p. 752.
Fire-engine and street-sprinkler, Unitary. G. H. Clarke. No. 1,261,100; Apr. 2; v. 249; p. 31.
Fire-engine, Motor-vehicle. P. G. Howe and A. R. Lambert. No. 1,272,956; July 16; v. 252; p. 679.
Fire-escape. H. L. Bartley. No. 1,265,165; May 7; v. 250; p. 81.
Fire-escape. C. E. Drake. No. 1,282,201; Oct. 22; v. 255; p. 668.
Fire-escape. W. R. Green. No. 1,272,254; July 9; v. 252; p. 454.
Fire-escape. W. Hensman. No. 1,273,485; July 23; v. 252; p. 847.
Fire-escape. J. B. Jaksch. No. 1,251,780; Jan. 1; v. 246; p. 101.

Fire-escape. J. McInnis. No. 1,264,878; Apr. 30; v. 249; p. 1196.
Fire-escape. S. Odgers and P. La Pierre. No. 1,277,339; Aug. 27; v. 253; p. 919.
Fire-escape. S. B. Whitten. No. 1,269,353; June 11: v. 251; p. 379.
Fire-escape apparatus. H. Floehr. No. 1,258,759; Mar. 12; v. 248; p. 274.
Fire-escape ladder. G. Smith. No. 1,258,487; Mar. 5; v. 248; p. 156.
Fire-escape, Portable. D. S. Harley. No. 1,264,179; Apr. 30; v. 249; p. 1004.
Fire-extinguisher. F. C. Barger. No. 1,289,360; Dec. 31; v. 257; p. 898.
Fire-extinguisher. W. T. Charles. No. 1,256,874; Feb. 19; v. 247; p. 592.
Fire-extinguisher. W. Creamer. No. 1,279,992; Sept. 24; v. 254; p. 805.
Fire-extinguisher. M. E. Cuddy. No. 1,261,715; Apr. 2; v. 249; p. 204.
Fire-extinguisher. E. Drapeau. No. 1,274,017; July 30; v. 252; p. 1029.
Fire-extinguisher. T. M. Dunlap. No. 1,259,002; Mar. 12; v. 248; p. 345.
Fire-extinguisher. D. Estes. No. 1,274,699; Aug. 6; v. 253; p. 103.
Fire-extinguisher. E. Furst. No. 1,281,151; Oct. 8; v. 255; p. 312.
Fire-extinguisher. L. C. Glisson. No. 1,280,208; Oct. 1; v. 255; p. 26.
Fire-extinguisher. W. Grimshaw. No. 1,268,454; June 4; v. 251; p. 110.
Fire-extinguisher. A. L. Hansen. No. 1,276,353; Aug. 20; v. 253. p. 618.
Fire-extinguisher. G. T. Pearsons. No. 1,289,253; Dec. 31; v. 257; p. 872.
Fire-extinguisher. W. H. Tibbals. No. 1,274,957; Aug. 6; v. 253; p. 175.
Fire-extinguisher. E. Schaefer and O. J. Holmes. No. 1,259,783; Mar. 19; v. 248; p. 597.
Fire-extinguisher. W. C. Schultz. No. 1,260,818; Mar. 26; v. 248; p. 932.
Fire-extinguisher. L. L. Smith. No. 1,261,311; Apr. 2; v. 249; p. 91.
Fire-extinguisher, Automatic. P. J. Sullivan. No. 1,275,787; Aug. 13; v. 253; p. 429.
Fire-extinguisher composition. H. S. Mork. No. 1,278,714; Sept. 10; v. 254; p. 400.
Fire-extinguisher composition. H. S. Mork. No. 1,278,715; Sept. 10; v. 254; p. 400.
Fire-extinguisher composition. H. S. Mork. No. 1,278,716; Sept 10; v. 254; p. 400.
Fire extinguisher, Film-. C. A. Trantham. No. 1,266,353; May 14; v. 250; p. 438.
Fire-extinguisher, Roof. G. Kohler. No. 1,285,236; Nov. 19; v. 256; p. 531.
Fire-extinguisher spray-nozzle. E. Johnson. No. 1,286,333; Dec. 3; v. 257; p. 36.
Fire-extinguisher system, Automatic. M. S. Runsvold and N. Nesskog. No. 1,270,442; June 25; v. 251; p. 734.
Fire-extinguisher system, Stationary chemical-mixing. J. W. Enright. No. 1,270,135; June 18; v. 251; p. 623.
Fire-extinguishing and fireproofing composition. G. E. Ferguson. No. 1,271,506; July 2; v. 252; p. 210.
Fire-extinguishing and fireproofing composition. G. E. Ferguson. No. 1,276,742; Aug. 27; v. 253; p. 763.
Fire-extinguishing apparatus. C. Adams. No. 1,259,468; Mar. 19; v. 248; p. 509.
Fire-extinguishing apparatus. L. B. Conant. No. 1,265,614; May 7; v. 250; p. 201.
Fire-extinguishing apparatus. M. N. Connor. No. 1,272,012; July 9; v. 252; p. 387.
Fire-extinguishing apparatus. M. N. Connor. No. 1,287,238; Dec. 10; v. 257; p. 295.
Fire-extinguishing apparatus. C. A. Ellis. No. 1,287,928; Dec. 17; v. 257; p. 497.
Fire-extinguishing apparatus. G. T. Gillette. No. 1,277,908; Sept. 3; v. 254; p. 159.
Fire-extinguishing apparatus. C. H. Meigs. No. 1,260,231; Mar. 19; v. 248; p. 726.
Fire-extinguishing apparatus. C. H. Meigs. No. 1,282,905; Oct. 29; v. 255; p. 888.
Fire-extinguishing apparatus. C. H. Meigs. No. 1,287,388; Dec. 10; v. 257; p. 332.
Fire-extinguishing apparatus. W. C. Schultz. No. 1,263,291; Apr. 16; v. 249; p. 705.
Fire-extinguishing apparatus. W. W. Walker. No. 1,259,813; Mar. 19; v. 248; p. 606.
Fire-extinguishing apparatus. M. J. Walsh. No. 1,277,794; Sept. 3; v. 254; p. 129.
Fire-extinguishing apparatus and method. F. A. Epps. No. 1,260,169; Mar. 19; v. 248; p. 708.
Fire-extinguishing apparatus, Automatic. J. R. Hamilton. No. 1,264,390; Apr. 30; v. 249; p. 1063.
Fire-extinguishing apparatus, Automatic. J. R. Hamilton. No. 1,264,394; Apr. 30; v. 249; p. 1064.
Fire-extinguishing apparatus, Automatic. J. R. Hamilton. No. 1,282,074; Oct. 22; v. 255; p. 633.
Fire-extinguishing apparatus, Automatic. E. L. Thompson. No. 1,287,800; Dec. 17; v. 257; p. 466.
Fire-extinguishing apparatus, Automatic chemical. J. R. Hamilton. No. 1,264,392; Apr. 30; v. 249; p. 1064.
Fire-extinguishing apparatus, Automatic chemical. E. L. Thompson. No. 1,287,794; Dec. 17; v. 257; p. 464.
Fire-extinguishing apparatus, Chemical. C. B. Connely. No. 1,280,168; Oct. 1; v. 255; p. 14.
Fire-extinguishing apparatus, Chemical. J. R. Hamilton No. 1,264,391; Apr. 30; v. 249; p. 1063.
Fire-extinguishing apparatus, Chemical. J. R. Hamilton No. 1,264,393; Apr. 30; v. 249; p. 1064.
Fire-extinguishing apparatus, Chemical. E. L. Thompson and C. W. Tribken. No. 1,285,468; Nov. 19; v. 256; p. 589.
Fire-extinguishing apparatus, Portable. J. M. Stocking. No. 1,262,865; Apr. 16; v. 249; p. 587.
Fire-extinguishing composition having a low freezing-point. G. E. Ferguson. No. 1,270,394; June 25; v. 251; p. 721.
Fire-extinguishing composition having a low freezing-point. G. E. Ferguson. No. 1,270,395; June 25; v. 251; p. 721.
Fire-extinguishing composition having a low freezing-point. G. E. Ferguson. No. 1,270,396; June 25; v. 251; p. 721.
Fire-extinguishing composition having a low freezing-point. G. E. Ferguson. No. 1,270,397; June 25; v. 251; p. 721.
Fire-extinguishing composition having low freezing-point. G. E. Ferguson. No. 1,270,392; June 25; v. 251; p. 720.
Fire-extinguishing compound. C. J. Strosacker. No. 1,261,067; Apr. 2; v. 249; p. 22.
Fire-extinguishing system. D. Decker. No. 1,254,582; Jan. 22; v. 246; p. 991.
Fire-extinguishing system. C. H. Meigs and F. A. Epps. No. 1,261,422; Apr. 2; v. 249; p. 122.
Fire-extinguishing system, Automatic. R. L. McElroy and J. E. Shepherd. No. 1,264,196; Apr. 30; v. 249; p. 1009.
Fire-extinguishing system of the sprinkler-head type. D. W. Patterson. No. 1,259,903; Mar. 19; v. 248; p. 634.
Fire-extinguishing systems, Sprinkler-head for. C. H. Townsend. No. 1,261,873; Apr. 9; v. 249; p. 281.
Fire-guard for wooden poles. A. L. Morrison. No. 1,263,789; Apr. 23; v. 249; p. 863.
Fire-hydrant. H. M. Lofton. No. 1,278,487; Sept. 10; v. 254; p. 336.
Fire-hydrant, Motor-pump. H. T. Dunn. No. 1,272,639; July 16; v. 252; p. 590.
Fire-illusion apparatus. I. M. Fuller. No. 1,254,790; Jan. 29; v. 246; p. 1083.
Fire-lighter. C. Blamfield. No. 1,274,235; July 30; v. 252; p. 1092.
Fire-plug. E. Strominger. No. 1,287,508; Dec. 10; v. 257; p. 360.
Fire-polishing apparatus. M. A. Smith. No. 1,274,095; July 30; v. 252; p. 1052.
Fire preventer and extinguisher, Automatic. H. D. Miller and S. B. Lippincott. No. 1,266,034; May 14; v. 250; p. 350.
Fire-prevention mechanism for dry-kilns. F. W. Rubin. No. 1,262,849; Apr. 16; v. 249; p. 583.
Fire-protection device. H. Dennick. No. 1,282,769; Oct. 29; v. 255; p. 850.
Fire-protection system. M. Sakogawa. No. 1,262,121; Apr. 9; v. 249; p. 348.
Fire-resistant composition and making same. J. A. Zibell. No. 1,273,307; July 23; v. 252; p. 798.
Fire-resisting shutter. E. H. McCloud. No. 1,257,273; Feb. 19; v. 247; p. 708.
Fire-shutter. W. M. Brunst. No. 1,272,347; July 9; v. 252; p. 481.
Fire-shutter brake. E. H. McCloud. No. 1,275,168; Aug. 6; v. 253; p. 233.
Fire-shutter, partition, or the like, Rolling. A. L. and W. P. Gibson and W. H. Ross. No. 1,255,817; Feb. 5; v. 247; p. 203.
Fire-shutters, Controlling mechanism for roller. W. G. Miller. No. 1,254,149; Jan. 22; v. 246; p. 868.
Firearm. J. M. Browning. No. 1,276,716; Aug. 27; v. 253; p. 756.
Firearm. F. C. Chadwick and G. H. Tansley. No. 1,277,379; Sept. 3; v. 254; p. 12.
Firearm. L. N. Diehm. No. 1,271,678; July 9; v. 252; p. 293.
Firearm. J. B. and A. Hamilton. No. 1,269,178; June 11; v. 251; p. 330.
Firearm. G. Testa. No. 1,258,378; Mar. 5; v. 248; p. 124.
Firearm. J. Viven and G. Bessiére. No. 1,277,669; Sept. 3; v. 254; p. 94.
Firearm. A. W. Woodruff. No. 1,284,020; Nov. 5; v. 256; p. 152.
Firearm adjustable-scale sight. E. S. Palmer. No. 1,288,977; Dec. 24; v. 257; p. 779.
Firearm attachment. B. Love. No. 1,259,251; Mar. 12; v. 248; p. 414.
Firearm rear sight. F. F. Burton. No. 1,288,379; Dec. 17; v. 257; p. 606.
Firearm-sight. J. O. Simpson. No. 1,265,266; May 7; v. 250; p. 108.

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Firearm-sight. D. R. Wiggins. No. 1,273,019; July 16; v. 252; p. 697.
Firearm-trigger mechanism. L. N. Diehm. No. 1,285,954; Nov. 26; v. 256; p. 750.
Firearms, Adjustable-scale sight for. E. S. Palmer. No. 1,288,666; Dec. 24; v. 257; p. 705.
Firearms, Butt-plate for. G. Hammond. No. 1,286,301; Dec. 3; v. 257; p. 29.
Firearms, Cartridge-guide for. C. A. Nelson. No. 1,256,924; Feb. 19; v. 247; p. 606.
Firearms, Combined muzzle-flash hider and bayonet-mount for. F. F. Burton. No. 1,283,465; Nov. 5; v. 256; p. 7.
Firearms, Combined peep-sight and open sight for. T. C. Johnson and F. F. Knous. No. 1,260,907; Mar. 26; v. 248; p. 955.
Firearms, Cover for. C. S. Hermann. No. 1,274,268; July 30; v. 252; p. 1101.
Firearms, Field-glass for. E. P. Camus. No. 1,272,214; July 9; v. 252; p. 443.
Firearms, Flash-light attachment for. E. M. Henderson and F. C. Neet. No. 1,263,667; Apr. 23; v. 249; p. 831.
Firearms, Front sight for. G. A. Bader. No. 1,268,537; June 4; v. 251; p. 132.
Firearms, Magazine for. G. Hammond. No. 1,260,991; Mar. 26; v. 248; p. 977.
Firearms, Pocket-lamp for. P. Schmidt and C. Dobslaw. No. 1,262,270; Apr. 9; v. 249; p. 390.
Firearms, Rear windage-sight for. T. C. Johnson. No. 1,257,713; Feb. 26; v. 247; p. 873.
Firearms, Sight for. R. T. Jackson. No. 1,260,545; Mar. 26; v. 248; p. 852.
Fireplace. S. S. Cudd. No. 1,261,774; Apr. 9; v. 249; p. 254.
Fireplace-fender. H. P. Wallace. No. 1,253,446; Jan. 15; v. 246; p. 649.
Fireplace-guard. E. T. Haley. No. 1,273,776; July 23; v. 252; p. 923.
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Fireplace structure. J. H. Williams. No. 1,255,493; Feb. 5; v. 247; p. 109.
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Fireproof box. R. S. Standish. No. 1,259,153; Mar. 12; v. 248; p. 389.
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Fireproof curtains, Hood for. E. B. Smith. No. 1,259,450; Mar. 12; v. 248; p. 471.
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Fireproof floor. J. A. Wheeler. No. 1,268,307; June 4; v. 251; p. 68.
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Fireproof safe. M. Wupper. No. 1,279,209; Sept. 17; v. 254; p. 561.
Fireproofing and waterproofing composition. C. F. Frohe. No. 1,273,213; July 23; v. 252; p. 775.
Fireproofing solution. G. E. Ferguson. No. 1,261,736; Apr. 2; v. 249; p. 209.
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First-aid packet. R. W. Johnson. No. 1,268,064; May 28; v 250; p. 972.
Fish alive, Transferring and keeping. F. W. Hilton. No. 1,285,999; Nov. 26; v. 256; p. 762.
Fish and making the same, Magnetic. W. Deats. No. 1,271,021; July 2; v. 252; p. 76.
Fish and products thereof, Preserving. R. M. Thompson. No. 1,252,865; Jan. 8; v. 246; p. 443.
Fish cutting and eviscerating machine. P. W. Fleischer. No. 1,262,319; Apr. 9; v. 249; p. 403.
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Fish-dressing device. H. Kugler and J. Bauer. No. 1,259,109; Mar. 12; v. 248; p. 376.
Fish-dressing machine. C. C. Curtis and H. J. Sackett. No. 1,275,229; Aug. 13; v. 253; p. 275.
Fish driving, loading, and delivery system. A. F. C. Schnoor. No. 1,252,500; Jan. 8; v. 246; p. 340.
Fish-excluder. H. O. Peterson. No. 1,265,508; May 7; v. 250; p. 174.
Fish excluder or guard. C. Schwinger. No. 1,266,331; May 14; v. 250; p. 432.
Fish-guard. J. A. Rush. No. 1,265,251; May 7; v. 250; p. 104.
Fish-handling machine. S. Cooper. No. 1,267,850; May 28; v. 250; p. 914.
Fish-hook. B. Ford. No. 1,283,718; Nov. 5; v. 256; p. 73.
Fish-hook. M. T. Foster. No. 1,288,552; Dec. 24; v. 257; p. 677.
Fish-hook. A. D. Gilbert. No. 1,259,390; Mar. 12; v. 248; p. 455.
Fish-hook. H. Helgeson. No. 1,283,174; Oct. 29; v. 255; p. 962.
Fish-hook. T. E. King. No. 1,264,658; Apr. 30; v. 249; p. 1139.
Fish-hook. E. S. Knowles. No. 1,270,033; June 18; v. 251; p. 597.
Fish-hook. B. Powell. No. 1,286,095; Nov. 26; v. 256; p. 784.
Fish-hook. W. E. Thatcher. No. 1,255,067; Jan. 29; v. 246; p. 1161.
Fish-hook guard. B. C. Daller. No. 1,255,516; Feb. 5; v. 247; p. 116.
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Fish-hook, Weedless. L. S. Graves. No. 1,262,039; Apr. 9; v. 249; p. 325.
Fish-hooks, Bait-carrying attachment for. D. A. Ore. No. 1,261,601; Apr. 2; v. 249; p. 172.
Fish-line reel and case. M. Takeuchi. No. 1,256,278; Feb. 12; v. 247; p. 381.
Fish-line sinker. S. H. Peters. No. 1,259,664; Mar. 19; v. 248; p. 563.
Fish-lure. H. F. Crandall. No. 1,268,097; June 4; v. 251; p. 8.
Fish-lure. C. Hedden. No. 1,276,062; Aug. 20; v. 253; p. 538.
Fish or fowl lifter. M. T. Crosby. No. 1,263,863; Apr. 23; v. 249; p. 884.
Fish-scaler. H. A. Perry. No. 1,281,200; Oct. 8; v. 255; p. 326.
Fish-scaler. P. Walsh. No. 1,280,911; Oct. 8; v. 255; p. 247.
Fish-scales, Treating. S. Sakane. No. 1,264,979; May 7; v. 250; p. 29.
Fish-scraper. M. C. Calta. No. 1,263,526; Apr. 23; v. 249; p. 794.
Fish-screen. W. D. Bludworth. No. 1,262,007; Apr. 9; v. 249; p. 317.
Fish-screen. H. L. Crisp and B. T. Harrison. No. 1,269,058; June 11; v. 251; p. 298.
Fish-screen. J. O. Kafader. No. 1,254,602; Jan. 22; v. 246; p. 997.
Fish-screen and debris-remover, Combined. R. W. Requa. No. 1,252,617; Jan. 8; v. 246; p. 375.
Fish-stop. J. W. Hall. No. 1,255,741; Feb. 5; v. 247; p. 182.
Fish-stop. J. Hunt. No. 1,261,936; Apr. 9; v. 249; p. 298.
Fish-stop. A. D. Marston. No. 1,263,691; Apr. 23; v. 249; p. 837.
Fish-stop, Electric. H. T. Burkey. No. 1,269,380; June 11; v. 251; p. 387.
Fish-trap. S. H. Johnston. No. 1,262,507; Apr. 9; v. 249; p. 456.
Fish-trap. J. D. Langdale. No. 1,286,661; Dec. 3; v. 257; p. 116.
Fish-trough. E. L. Kelley. (Reissue.) No. 14,447; Mar. 26; v. 248; p. 981.
Fishing apparatus. V. H. H. Grothkopf. No. 1,258,213; Mar. 5; v. 248; p. 77.
Fishing apparatus. E. S. Watson. No. 1,284,508; Nov. 12; v. 256; p. 309.
Fishing-float. J. B. Davis. No. 1,278,312; Sept. 10; v. 254; p. 292.
Fishing-hook-leader-adjusting terminal and outrigger device. R. H. Smith. No. 1,252,621; Jan. 8; v. 246; p. 376.
Fishing-line holder. J. F. Teeling. No. 1,253,746; Jan. 15; v. 246; p. 733.
Fishing-line signal device. C. Bernhardt. No. 1,264,000; Apr. 23; v. 249; p. 923.
Fishing-lure. C. J. McCarthy. No. 1,257,008; Feb. 19; v. 247; p. 632.
Fishing-reel. E. P. Andreas. No. 1,281,261; Oct. 15; v. 255; p. 374.
Fishing-reel. L. Atwood. No. 1,284,039; Nov. 5; v. 256; p. 157.
Fishing-reel. P. H. Bieman. No. 1,265,038; May 7; v. 250; p. 47.
Fishing-reel. J. H. Burt. No. 1,271,429; July 2; v. 252; p. 188.
Fishing-reel. C. C. Strang. No. 1,256,389; Feb. 12; v. 247; p. 415.
Fishing-reel. G. W. Upton. No. 1,286,193; Nov. 26; v. 256; p. 809.
Fishing-reel, Automatic. A. N. Sanford. No. 1,263,939; Apr. 23; v. 249; p. 907.
Fishing-reel, Level-winding. G. W. Upton and B. F. Flegel. No. 1,282,990; Oct. 29; v. 255; p. 913.
Fishing-reel line-guide. M. J. and J. T. Otto. No. 1,258,804; Mar. 12; v. 248; p. 287.
Fishing-rod. E. L. Haley. No. 1,270,726; June 25; v. 251; p. 809.
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Fishing-rod holder. E. A. Heidtmann. No. 1,283,511; Nov. 5; v. 256; p. 20.
Fishing-rod holder. F. W. Wittkowski. No. 1,256,191; Feb. 12; v. 247; p. 356.

Fishing-rod support. H. F. Crandall. No. 1,268,096; June 4; v. 251; p. 8.
Fishing-rod support. H. A. Huppertz. No. 1,275,928; Aug. 13; v. 253; p. 468.
Fishing staff or cane. C. O. Harris. No. 1,258,632; Mar. 5; v. 248; p. 201.
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Fishing-tackle. J. W. Whalen. No. 1,255,255; Feb. 5; v. 247; p. 40.
Fishing-tackle box. C. L. Sherman. No. 1,261,861; Apr. 9; v. 249; p. 278.
Fishing-tool. V. H. Francis. No. 1,263,544; Apr. 23; v 249; p. 798.
Fishpole. A. L. Lucas. No. 1,276,780; Aug. 27; v. 253; p. 772.
Fishways, Water-wheel for. D. W. Keller. No. 1,276,374; Aug. 20; v. 253; p. 625.
Fixture-support. A. J. Tizley. No. 1,267,934; May 28; v. 250; p. 937.
Flag. G. F. Hoffman. No. 1,253,380; Jan. 15; v. 246; p. 628.
Flag-display-device. N. B. Le Duc. No. 1,288,060; Dec. 17; v. 257; p. 530.
Flag-holder. P. Crosley, Jr. No. 1,276,496; Aug. 20; v. 253; p. 658.
Flag-holder. R. Harvie. No. 1,266,681; May 21; v. 250; p. 559.
Flag-holder. L. W. Kaempf. No. 1,263,323; Apr. 16; v. 249; p. 714.
Flag-holder. J. W. Mabin. No. 1,258,799; Mar. 12; v. 248; p. 286.
Flag-holder. G. E. Paine and L. C. Emerson. No. 1,263,277; Apr. 16; v. 249; p. 702.
Flag-holder. D. Rosen. No. 1,256,370; Feb. 12; v. 247; p. 408.
Flag-holder. R. A. Waiteling. No. 1,262,879; Apr. 16; v. 249; p. 590.
Flag-holder, Revolving. E. L. Lawler. No. 1,251,897; Jan. 1; v. 246; p. 136.
Flag-illuminating device. J. A. Manahan. No. 1,263,090; Apr. 16; v. 249; p. 652.
Flag, pennant, and similar emblem. F. C. Wardall. No. 1,260,104; Mar. 19; v. 248; p. 692.
Flag pole and container. T. J. Papy and P. Drum. No. 1,280,078; Sept. 24; v. 254; p. 829.
Flag support and cover. J. H. Brewer. No. 1,264,264; Apr. 30; v. 249; p. 1028.
Flag-waver, Mechanical. J. H. Holmes. No. 1,257,865; Feb. 26; v. 247; p. 918.
Flags and the like extended, Means for retaining. C. M. Brown. No. 1,255,580; Feb. 5; v. 247; p. 135.
Flags, Means for preventing whipping out of ends of. T. G. Gowen. No. 1,270,813; July 2; v. 252; p. 16.
Flags, Non-tangling device for. J. V. Allen. No. 1,277,347; Sept. 3; v. 254; p. 3.
Flags, Non-tangling device for. J. B. Foulkes. No. 1,283,136; Oct. 29; v. 255; p. 951.
Flags, Preservation of. I. Rives. No. 1,275,603; Aug. 13; v. 253; p. 377.
Flagpole and support therefor. F. Schumann. No. 1,273,098; July 16; v. 252; p. 718.
Flagpole-holder. C. M. Cook. No. 1,286,541; Dec. 3; v. 257; p. 88.
Flagpole-holder. H. Kershaw. No. 1,285,218; Nov. 19; v. 256; p. 526.
Flagpole-support. J. B. Woolston. No. 1,265,411; May 7; v. 250; p. 148.
Flagstaff. B. L. Mink. No. 1,254,524; Jan. 22; v. 246; p. 974.
Flagstaff-holder. W. L. Deming. No. 1,279,669; Sept. 24; v. 254; p. 713.
Flagstaff-holder. W. H. Edsall. No. 1,278,318; Sept. 10; v. 254; p. 293.
Flagstaff-holder for automobiles and the like. I. G. Burton. No. 1,266,770; May 21; v. 250; p. 585.
Flange-grooves and molds therefor, Method of forming. J. H. Quinby. No. 1,255,050; Jan. 29; v. 246; p. 1157.
Flange-lubricating device. W. C. Johnson. No. 1,276,538; Aug. 20; v. 253; p. 670.
Flange-lubricator. J. H. Miner. No. 1,269,300; June 11; v. 251; p. 365.
Flange-lubricator. J. H. Miner. No. 1,271,058; July 2; v. 252; p. 87.
Flange-rolling mechanism. C. W. Gressle. No. 1,268,239; June 4; v. 251; p. 47.
Flanging-press. W. H. Morgan. No. 1,288,648; Dec. 24; v. 257; p. 700.
Flash-igniter burner. F. A. Gauger. No. 1,285,978; Nov. 26; v. 256; p. 757.
Flash-light. P. M. Beard. No. 1,287,186; Dec. 10; v. 257; p. 282.
Flash-light. L. W. Borchert. No. 1,280,380; Oct. 1; v. 255; p. 74.
Flash-light. J. O. Dailey. No. 1,287,250; Dec. 10; v. 257; p. 298.
Flash-light. E. W. Seymour. No. 1,265,820; May 14; v. 250; p. 289.
Flash-light and battery. M. Mizrahi. No. 1,282,615; Oct. 22; v. 255; p. 781.
Flash-light battery. M. E. Holmes. No. 1,264,520; Apr. 30; v. 249; p. 1100.
Flash-light case. A. C. Recker. No. 1,280,300; Oct. 1; v. 255; p. 52.
Flash-light holder. M. Molnar. No. 1,287,393; Dec. 10; v. 257; p. 334.
Flash-light meter. M. X. Corcoran. No. 1,287,241; Dec. 10; v. 257; p. 296.
Flash-light, Pocket. A. Janovsky. No. 1,263,674; Apr. 23; v. 249; p. 833.
Flash-light, Pocket. F. M. Rosenfeld. No. 1,283,566; Nov. 5; v. 256; p. 33.
Flash-light, Portable. J. Samach. No. 1,260,067; Mar. 19; v. 248; p. 683.
Flash-light, Trench. A. Janowsky. No. 1,272,808; July 16; v. 252; p. 638.
Flash-lights, Attachment for pocket or portable. C. E. Renshaw. No. 1,285,382; Nov. 19; v. 256; p. 567.
Flash-lights, Combination-case for. A. S. Lyhne. No. 1,253,846; Jan. 15; v. 246; p. 763.
Flasher. F. Hotchner. No. 1,280,034; Sept. 24; v. 254; p. 817.
Flashing-block, Duplex. F. D. Renaud. No. 1,270,662; June 25; v. 251; p. 794.
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Dentist's flask. Foundry-flask.
Flask-clamp, Extensible. R. A. Clapper. No. 1,287,635; Dec. 17; v. 257; p. 422.
Flask-holder. J. J. Mojonnier. No. 1,268,867; June 11; v. 251; p. 244.
Flask jacket, Snap-. W. F. Yaryan and L. H. Chamberlain. No. 1,253,920; Jan. 15; v. 246; p. 781.
Flat-iron. V. B. Benson. No. 1,269,677; June 18; v. 251; p. 499.
Flat-iron. H. G. Heckmann. No. 1,277,921; Sept. 3; v. 254; p. 162.
Flat-iron, Electric. D. C. Heylman. No. 1,284,104; Nov. 5; v. 256; p. 176.
Flat-iron heater. P. S. Myrick. No. 1,265,241; May 7; v. 250; p. 102.
Flat-iron rest. J. J. Haynes. No. 1,285,158; Nov. 19; v. 256; p. 511.
Flat-irons, Indicating means for electrically heating. E. L. Glass. No. 1,280,709; Oct. 8; v. 255; p. 190.
Flavoring compound. J. C. Bradley. No. 1,285,555; Nov. 19; v. 256; p. 610.
Flax and other fibers, Method and apparatus for retting. N. T. Bacon. No. 1,258,083; Mar. 5; v. 248; p. 39.
Flax-pulling machine. J. G. Crawford and R. M. Bennett. No. 1,257,192; Feb. 19; v. 247; p. 684.
Flaxseed from the flax, Machine for removing. E. van Brabant. No. 1,287,525; Dec. 10; v. 257; p. 364.
Flax-straw beating and scutching machine. J. E. Dingwall and W. D. Prudden. No. 1,278,609; Sept. 10; v. 254; p. 371.
Flesh, Device for diffusing excessive shoulder-. D. E. Duffy. No. 1,269,690; June 18; v. 251; p. 503.
Fleshing and fur-dressing machine. A. Bauser. No. 1,278,093; Sept. 10; v. 254; p. 233.
Fleshing-machine W. G. Gibbins. No. 1,256,892; Feb. 19; v. 247; p. 598.
Fleshing-machine. L. T. Weiss. No. 1,278,804; Sept. 10; v. 254; p. 423.
Flexible coupling. R. H. Aldrich. No. 1,264,742; Apr 30; v. 249; p. 1160.
Flexible coupling. F. R. Blair. No. 1,271,122; July 2; v. 252; p. 103.
Flexible coupling. G. H. F. Holy. No. 1,284,683; Nov. 12; v. 256; p. 351.
Flexible coupling. E. Schauffelberger. No. 1,268,632; June 4; v. 251; p. 161.
Flexible gear. G. M. Eaton. No. 1,285,956; Nov. 26; v. 256; p. 751.
Flexible gear-wheel. G. M. Eaton. No. 1,284,268; Nov. 12; v. 256; p. 247.
Flexible holder, Detachable. R. F. America. No. 1,281,748; Oct. 15; v. 255; p. 505.
Flexible joint. F. N. Bard. No. 1,254,566; Jan. 22; v. 246; p. 986.
Flexible joint. J. W. Hornsey. No. 1,263,415; Apr. 23; v. 249; p. 762.
Flexible molding. A. Hamilton. No. 1,285,688; Nov. 26; v. 256; p. 683.
Flexible pipe-coupling or flexible pipe. E. F. Berry. No. 1,255,577; Feb. 5; v. 247; p. 135.
Flexible pipe-joint. J. R. Snyder. No. 1,286,819; Dec. 3; v. 257; p. 151.
Flexible puncture-proof material. C. S. G. Nichols. No. 1,284,429; Nov. 12; v. 256; p. 289.
Flexible shaft-coupling. I. F. Burton, W. W. Moyer, and L. Y. Squibb. No. 1,286,527; Dec. 3; v. 257; p. 85.
Flexible shafting. F. Ecaubert. No. 1,281,918; Oct. 15; v. 255; p. 552.
Flexible stay-bolt. H. A. Lacerda and B. E. D. Stafford. No. 1,285,245; Nov. 19; v. 256; p. 533.
Flexible tube. E. Beckmann. No. 1,259,952; Mar. 19; v. 248; p. 649.
Float feed device. M. E. Kuebler. No. 1,259,415; Mar. 12; v. 248; p. 462.
Float-indicating device. W. S. Adams. No. 1,272,882; July 16; v. 252; p. 660.
Float-operated indicator. G. G. Belden. No. 1,271,008; July 2; v. 252; p. 73.

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Float or signal-buoy for sunken vessels. J. P. Edmonds. No. 1,269,798; June 18; v. 251; p. 534.
Floating battery. W. Chmielarski. No. 1,259,601; Mar. 19; v. 248; p. 546.
Floating craft, Building and launching. H. Alfsen. No. 1,258,175; Mar. 5; v. 248; p. 65.
Floating equipment. C. R. Swanson. No. 1,268,179; June 4; v. 251; p. 31.
Flood and spot light, Adjustable. W. J. Davis, Jr., and A. P. Nirdlinger. (Reissue.) No. 14,428; Jan. 29; v. 246; p. 1177.
Flood control. A. A. Pratt. No. 1,268,770; June 4; v. 251; p. 198.
Floor. N. J. MacDonald. No. 1,272,826; July 16; v. 252; p. 644.
Floor and wall screed anchor. A. T. Gibson. No. 1,270,405; June 25; v. 251; p. 723.
Floor-box. F. B. Adam. No. 1,254,641; Jan. 22; v. 246; p. 1008.
Floor-box. H. F. Krantz. No. 1,271,478; July 2; v. 252; p. 201.
Floor-cleaner. L. Jarusz. No. 1,252,806; Jan. 8; v. 246; p. 427.
Floor cleaning and polishing machine. E. L. Reynolds. No. 1,263,112; Apr. 16; v. 249; p. 659.
Floor-cleaning device, Sanitary. C. J. Marriott. No. 1,255,902; Feb. 12; v. 247; p. 269.
Floor-cleaning machine. F. Szewczuk. No. 1,283,355; Oct. 29; v. 255; p. 1009.
Floor construction. R. S. Chew. No. 1,262,449; Apr. 9; v. 249; p. 440.
Floor conveyer, Safety reversible. E. Christensen. No. 1,282,379; Oct. 22; v. 255; p. 717.
Floor-covering. C. A. Bartlett. No. 1,271,005; July 2; v. 252; p. 72.
Floor-covering. R. G. Jackson. No. 1,255,095; Jan. 29; v. 246; p. 1169.
Floor-covering. B. K. Lindberg and A. F. Hörlin. No. 1,257,503; Feb. 26; v. 247; p. 811.
Floor-covering. S. M. Winkler. No. 1,255,373; Feb. 5; v. 247; p. 75.
Floor-covering, Flexible. E. W. Snyder. No. 1,262,990; Apr. 16; v. 249; p. 622.
Floor-coverings, Wrapping for. R. G. Jackson. No. 1,272,047; July 9; v. 252; p. 397.
Floor, &c., dressing machine. J. A. Campbell. No. 1,279,082; Sept. 17; v. 254; p. 529.
Floor for buildings. W. G. Shipwright and F. R. Martin. No. 1,286,128; Nov. 26; v. 256; p. 792.
Floor-furnace. W. W. Holmes and J. N. Hawley. No. 1,259,985; Mar. 19; v. 248; p. 659.
Floor-jack. G. J. Hoelzer. No. 1,273,489; July 23; v. 252; p. 848.
Floor or wall ground. A. V. Gude, Jr. No. 1,264,504; Apr. 30; v. 249; p. 1095.
Floor or wall ground. A. V. Gude, Jr. No. 1,264,505; Apr. 30; v. 249; p. 1096.
Floor or wall ground. A. V. Gude, Jr. No. 1,264,787; Apr. 30; v. 249; p. 1171.
Floor-planing machine. E. A. Plank. No. 1,282,285; Oct. 22; v. 255; p. 691.
Floor-polishing and window-cleaning appliance. E. W. Baker. No. 1,282,361; Oct. 22; v. 255; p. 712.
Floor-register. G. S. Auer. No. 1,255,848; Feb. 12; v. 247; p. 253.
Floor-scrubbing machine. L. Lewandowski. No. 1,255,324; Feb. 5; v. 247; p. 61.
Floor-set. E. Hakanson. No. 1,266,253; May 14; v. 250; p. 412.
Floor-tool. C. A. Mallernee. No. 1,278,702; Sept. 10; v. 254; p. 397.
Floor-washing machine. S. B. Tatulis. No. 1,271,629; July 9; v. 252; p. 278.
Floors, Composition for treating. A. Nelson. No. 1,282,706; Oct. 22; v. 255; p. 805.
Flooring. C. A. Bickford. No. 1,282,732; Oct. 29; v. 255; 839.
Flooring. E. C. Dittmar. No. 1,268,694; June 4; v. 251; p. 177.
Flooring and sheathing clamp. H. Kimble. No. 1,283,209; Oct. 29; v. 255; p. 970.
Flooring and trimming in place in fireproof buildings, Means for securing wood. C. L. Thornberry. No. 1,274,470; Aug. 6; v. 253; p. 37.
Flooring composition, Plastic. L. Flecchia. No. 1,254,788; Jan. 29; v. 246; p. 1083.
Flooring, Means for laying. R. A. Stoehr. No. 1,274,953; Aug. 6; v. 253; p. 174.
Flotation apparatus. A. C. Daman. No. 1,285,061; Nov. 19; v. 256; p. 486.
Flotation-machine. F. B. Kollberg and M. Kraut. (Reissue.) No. 14,522; Sept. 17; v. 254; p. 638.
Flotation process and apparatus. J. A. Pearce. No. 1,277,750; Sept. 3; v. 254; p. 117.
Flour and making the same, Cotton-seed. G. A. Baumgarten. No. 1,276,477; Aug. 20; v. 253; p. 653.
Flour and other materials, Machine for mixing. I. Benjamin. No. 1,268,813; June 11; v. 251; p. 230.
Flour, Composition of matter to be used as a. R. W. Dickenson, Jr. No. 1,271,139; July 2; v. 252; p. 108.
Flour, Milk-treated wheat or other cereal. A. R. Coulson. No. 1,287,600; Dec. 10; v. 257; p. 383.
Flour, Milling. R. T. F. Dodds. No. 1,287,654; Dec. 17; v. 257; p. 428.
Flour-packer. F. J. Thull. No. 1,282,318; Oct. 22; v. 255; p. 700.
Flour, Self-rising rice pancake-. W. B. Schuyler. No. 1,263,609; Apr. 23; v. 249; p. 815.
Flour-sifters and the like, Rotary agitator for. O. S. Ryerson and W. T. Russell. No. 1,281,845; Oct. 15; v. 255; p. 532.
Flour-treating apparatus. G. J. Hicks. No. 1,256,017; Feb. 12; v. 247; p. 302.
Flow-controlling apparatus. J. G. Callan. No. 1,272,212; July 9; v. 252; p. 442.
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Flow-measuring apparatus. J. W. Gamble. No. 1,274,703; Aug. 6; v. 253; p. 104.
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Flow-meter. A. R. Dodge. No. 1,266,428; May 14; v. 250; p. 457.
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Flow of fluid, Pressure-regulator for a. C. H. Smoot. No. 1,252,623; Jan. 8; v. 246; p. 376.
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Flower-pot. S. R. Harper. No. 1,255,093; Jan. 29; v. 246; p. 1169.
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Flower-pot holder and carrier. E. Bunzel. No. 1,266,102; May 14; v. 250; p. 369.
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Flower-pot, Irrigating. L. I. Lelievre. No. 1,264,096; Apr. 23; v. 249; p. 948.
Flower-press. S. T. Walkup. No. 1,283,992; Nov. 5; v. 256; p. 145.
Fluctuation-damping means for rotatable members. P. M. Rainey. No. 1,271,362; July 2; v. 252; p. 171.
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Flue-cleaner. T. E. Blauvelt and J. J. Fooshee. No. 1,271,656; July 9; v. 252; p. 287.
Flue-cleaner. R. J. Montgomery. No. 1,266,140; May 14; v. 250; p. 380.
Flue-cleaning mechanism. C. W. Hershey. No. 1,257,485; Feb. 26; v. 247; p. 805.
Flue construction. E. Cole. No. 1,264,016; Apr. 23; v. 249; p. 926.
Flue-leak invertor. L. E. Carter. No. 1,259,956; Mar. 19; v. 248; p. 650.
Flues, Shield or cover for hot-air. J. K. Davis. No. 1,274,996; Aug. 6; v. 253; p. 186.
Fluid-actuated controlling device. G. M. Richards. No. 1,286,781; Dec. 3; v. 257; p. 142.
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Fluid attachment clamp. M. H. Shoenberg. No. 1,279,459; Sept. 17; v. 254; p. 629.
Fluid-circulating system, Vacuum. S. L. Calvert. No. 1,257,805; Feb. 26; v. 247; p. 900.
Fluid-circulating systems, Automatic temperature-control device for. F. E. Watts. No. 1,287,534; Dec. 10; v. 257; p. 366.
Fluid circulation indicator and distributer. J. Zagora. No. 1,274,228; July 30; v. 252; p. 1090.
Fluid, Compressing an elastic. H. A. Humphrey. No. 1,254,693; Jan. 29; v. 246; p. 1052.
Fluid-compressing apparatus. G. L. Kothny and R. Suczek. No. 1,282,595; Oct. 22; v. 255; p. 774.
Fluid-compressing apparatus, Elastic-. M. McWhorter. No. 1,270,310; June 25; v. 251; p. 697.
Fluid, Compressing elastic. H. A. Humphrey. No. 1,257,004; Feb. 19; v. 247; p. 631.
Fluid-compressor. S. H. Human. No. 1,277,420; Sept. 3; v. 254; p. 25.
Fluid-compressor. E. A. Rix. No. 1,264,562; Apr. 30; v. 249; p. 1112.
Fluid-containers, Process and apparatus for filling and sealing small. J. L. Lascoff. No. 1,259,879; Mar. 19; v. 248; p. 626.
Fluid-control apparatus. H. B. Snyder. No. 1,273,195; July 23; v. 252; p. 770.
Fluid-controlling mechanism. J. Crowe. No. 1,267,982; May 28; v. 250; p. 949.
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Fluid-fuel burner. E. C. Kahn. No. 1,265,210; May 7; v. 250; p. 94.
Fluid-fuel burner. G. A. Norrie. No. 1,287,735; Dec. 17; v. 257; p. 449.
Fluid-gage. H. Hastings. No. 1,272,436; July 16; v. 252; p. 532.
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Fluid-heater. W. S. Hadaway, Jr. No. 1,281,157; Oct. 8; v. 255; p. 314.
Fluid-heater, Electric. M. Simon. No. 1,282,476; Oct. 22; v. 255; p. 742.
Fluid-material-dispensing device. G. A. Loeben. No. 1,263,908; Apr. 23; v. 249; p. 898.
Fluid-meter. G. S. Binckley. No. 1,279,232; Sept. 17; v. 254; p. 567.
Fluid-meter. H. Chrisman. No. 1,286,942; Dec. 10; v. 257; p. 219.
Fluid-meter. J. W. Ledoux. No. 1,268,130; June 4; v. 251; p. 18.
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Fluid-meter. F. J. Wagner and J. G. Carney. No. 1,274,642; Aug. 6; v. 253; p. 87.
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Fluid-meter. J. C. Wilson. No. 1,285,868; Nov. 26; v. 256; p. 730.
Fluid-meter motor. R. C. Bradley. No. 1,255,699; Feb. 5; v. 247; p. 169.
Fluid, Method and apparatus for transporting incompressible. H. Wagner. No. 1,253,548; Jan. 15; v. 246; p. 676.
Fluid, Method of and apparatus for compressing. R. Suczek. No. 1,283,593; Nov. 5; v. 256; p. 40.
Fluid-mixing apparatus. E. Ruud. No. 1,257,934; Feb. 26; v. 247; p. 937.
Fluid mixtures, Settler for. P. A. Robbins. No. 1,272,850; July 16; v. 252; p. 651.
Fluid motion, Electrically-operated device to produce. R. E. Newcomb. No. 1,287,078; Dec. 10; v. 257; p. 254.
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Fluid-motor. C. A. Iles. No. 1,282,841; Oct. 29; v. 255; p. 871.
Fluid-motor. W. A. Powell. No. 1,284,768; Nov. 12; v. 256; p. 373.
Fluid motor or pump. A. Sundh. No. 1,274,955; Aug. 6; v. 253; p. 174.
Fluid-operated device. F. H. Bogart. No. 1,284,225; Nov. 12; v. 256; p. 235.
Fluid-operated motor. H. C. Randall. No. 1,263,108; Apr. 16; v. 249; p. 657.
Fluid-operated motor. W. A. Smith. No. 1,257,753; Feb. 26; v. 247; p. 884.
Fluid-operated turbine-engine. T. W. Paxton. No. 1,283,423; Oct. 29; v. 255; p. 1027.
Fluid or semifluid dispensing device for table use. M. Jersemann. No. 1,270,835; July 2; v. 252; p. 23.
Fluid-pressure brake. G. Macloskie. No. 1,281,801; Oct. 15; v. 255; p. 519.
Fluid-pressure brake. G. Macloskie. No. 1,289,847; Dec. 31; v. 257; p. 1018.
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Fluid-pressure brake. W. V. Turner. No. 1,255,955; Feb. 12; v. 247; p. 283.
Fluid-pressure brake. W. V. Turner. No. 1,256,490; Feb. 12; v. 247; p. 443.
Fluid-pressure brake. W. V. Turner. No. 1,265,002; May 7; v. 250; p. 36.
Fluid-pressure brake. W. V. Turner. No. 1,265,003; May 7; v. 250; p. 36.
Fluid-pressure brake. W. V. Turner. No. 1,265,006; May 7; v. 250; p. 37.
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Fluid-pressure brake. W. V. Turner. No. 1,280,333; Oct. 1; v. 255; p. 62.
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Fluid-pressure brake device. W. V. Turner. No. 1,281,434; Oct. 15; v. 255; p. 423.
Fluid-pressure brake device. W. V. Turner. No. 1,286,843; Dec. 3; v. 257; p. 156.
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Fluid-pressure brake system. F. L. Marston. No. 1,269,478; June 11; v. 251; p. 412.
Fluid-pressure cushioning device. G. Manierre. No. 1,288,435; Dec. 17; v. 257; p. 618.
Fluid-pressure-engine indicating apparatus and the like. A. Ryder. No. 1,289,923; Dec. 31; v. 257; p. 1037.
Fluid-pressure gage. E. Ellis. No. 1,275,180; Aug. 6; v. 253; p. 237.
Fluid-pressure motor and transmission apparatus. E. E. Gray. No. 1,252,799; Jan. 8; v. 246; p. 426.
Fluid-pressure recorder. T. W. Newburn. No. 1,274,189; July 30; v. 252; p. 1078.
Fluid-pressure-testing machine. C. L. Patterson. No. 1,282,120; Oct. 22; v. 255; p. 646.
Fluid-proportioning apparatus, Automatic. J. D. Yoder. No. 1,262,730; Apr. 16; v. 249; p. 549.
Fluid system. G. G. Earl. No. 1,267,523; May 28; v. 250; p. 819.
Fluid-translating device. H. F. Schmidt. No. 1,262,102; Apr. 9; v. 249; p. 342.
Fluid transmission. M. H. Massuere. No. 1,270,643; June 25; v. 251; p. 789.
Fluid transmission and clutch. W. P. Postell and J. F. Heard, Jr. No. 1,261,287; Apr. 2; v. 249; p. 83.
Fluids from vessels, Apparatus for withdrawing. D. B. Morison. No. 1,280,809; Oct. 8; v. 255; p. 219.
Fluids, Method and means for indicating the maximum flow of. A. P. Little. No. 1,289,486; Dec. 31; v. 257; p. 930.
Fluids of different specific gravities, Apparatus for separating. J. S. Gander. No. 1,266,008; May 14; v. 250; p. 343.
Fluids or bodies from containers, Apparatus for discharging. G. J. Gawley. No. 1,256,305; Feb. 12; v. 247; p. 388.
Fluids, Pressure-reducing apparatus for. E. Schneider. No. 1,267,281; May 21; v. 250; p. 725.
Fluids, Purifying. B. Schwerin. No. 1,269,006; June 11; v. 251; p. 282.
Flume construction and car therefor. V. K. Woods. No. 1,280,352; Oct. 1; v. 255; p. 67.
Flume, Sheet-metal. R. Hardesty. No. 1,269,433; June 11; v. 251; p. 400.
Flumes, Trash-catcher for. W. H. Demuth. No. 1,252,410; Jan. 8; v. 246; p. 314.
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Flush-tank, Automatic. F. Walker. No. 1,271,813; July 9; v. 252; p. 328.
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Flusher, Sewer-. F. J. Peck. No. 1,264,679; Apr. 30; v. 249; p. 1144.
Flushing. H. T. Cronk. No. 1,284,180; Nov. 5; v. 256; p. 195.
Flushing apparatus. E. H. Gove. No. 1,263,660; Apr. 23; v. 249; p. 829.
Flushing apparatus. R. Stickdorn. No. 1,254,739; Jan. 29; v. 246; p. 1067.
Flushing apparatus for garbage-chutes. E. B. Dargin. No. 1,269,793; June 18; v. 251; p. 533.
Flushing apparatus for water-closets. J. B. R. Smith. No. 1,267,923; May 28; v. 250; p. 934.
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Flushing apparatus, Street-. J. M. Thompson. No. 1,282,142; Oct. 22; v. 255; p. 653.
Flushing apparatus, Water-closet-. R. A. Brooks. No. 1,265,601; May 7; v. 250; p. 198.
Flushing attachment for sewers. J. A. Fletcher and J. W. Haley. No. 1,261,224; Apr. 2; v. 249; p. 64.
Flushing-conduit. J. Sagen. No. 1,255,648; Feb. 5; v. 247; p. 155.
Flushing device. N. J. Gondolf. No. 1,259,226; Mar. 12; v. 248; p. 407.
Flushing device. I. Simovitz. No. 1,287,476; Dec. 10; v. 257; p. 352.
Flushing device, Automatic. B. Purnell. No. 1,274,195; July 30; v. 252; p. 1080.
Flushing mechanism. H. M. Kirby. No. 1,253,982; Jan. 15; v. 246; p. 799.
Flushing mechanism. A. M. Vogel. No. 1,277,275; Aug. 27; v. 253; p. 903.
Flushing-system-controlling mechanism. H. Boursier. No. 1,283,058; Oct. 29; v. 255; p. 931.
Flushing-tank, Noiseless. W. H. Oldfield. No. 1,271,209; July 2; v. 252; p. 130.
Flushing tank, Water-closet-. F. E. Shaw. No. 1,262,273; Apr. 9; v. 249; p. 391.
Flux for use in brazing cast-iron and other metals. A. Figgins. No. 1,275,412; Aug. 13; v. 253; p. 326.
Fly-catcher. M. O. Beckner. No. 1,280,371; Oct. 1; v. 255; p. 72.
Fly-catcher. N. Crockenberger. No. 1,260,339; Mar. 26; v. 248; p. 792.
Fly-catcher. F. B. Girvin and C. P. Brady. No. 1,258,763; Mar. 12; v. 248; p. 275.
Fly-catcher. N. B. Holdsworth. No. 1,289,175; Dec. 31; v. 257; p. 851.
Fly-catcher. C. Shatalroe. No. 1,270,222; June 18; v. 251; p. 646.
Fly-chaser, Door-operated. O. N. Boyer. No. 1,283,059; Oct. 29; v. 255; p. 931.
Fly-escape. V. D. Muzzy. No. 1,264,117; Apr. 23; v. 249; p. 953.
Fly-killer. J. P. Hall and C. F. Fields. No. 1,286,894; Dec. 3; v. 257; p. 168.

Fly-killing device. F. E. Earles and F. G. Lowe. No. 1,261,222; Apr. 2; v. 249; p. 64.
Fly-screen. F. Rolland. No. 1,266,716; May 21; v. 250; p. 569.
Fly-screen-fabric holder. C. O. Tessier. No. 1,254,865; Jan. 29; v. 246; p. 1107.
Fly-spat. J. M. Vail. No. 1,254,092; Jan. 22; v. 246; p. 852.
Fly-swatter. H. P. Fogh. No. 1,255,303; Feb. 5; v. 247; p. 53.
Fly-swatter. G. D. Henry. No. 1,288,583; Dec. 24; v. 257; p. 684.
Fly-swatter. C. S. Hutton. No. 1,277,216; Aug. 27; v. 253; p. 889.
Fly-swatter. F. O. Moore. No. 1,272,295; July 9; v. 252; p. 466.
Fly-swatter, Extension. A. O. Youngs. No. 1,263,988; Apr. 23; v. 249; p. 919.
Fly-trap. E. E. Allen. No. 1,277,527; Sept. 3; v. 254; p. 54.
Fly-trap. A. C. G. Dreilick. No. 1,277,298; Aug. 27; v. 253; p. 908.
Fly-trap. J. J. Evers. No. 1,286,567; Dec. 3; v. 257; p. 94.
Fly-trap. J. A. Hardy. No. 1,260,897; Mar. 26; v. 248; p. 952.
Fly-trap. C. P. Hasselgren. No. 1,289,466; Dec. 31; v. 257; p. 925.
Fly-trap. P. M. Hengstenberg. No. 1,262,790; Apr. 16; v. 249; p. 566.
Fly-trap. E. E. Knittle. No. 1,256,329; Feb. 12; v. 247; p. 396.
Fly-trap. A. C. La May. No. 1,289,480; Dec. 31; v. 257; p. 928.
Fly-trap. J. B. Lauen. No. 1,289,825; Dec. 31; v. 257; p. 1013.
Fly-trap. F. S. Little. No. 1,267,237; May 21; v. 250; p. 715.
Fly-trap. T. Nakamigawa. No. 1,252,151; Jan. 1; v. 246; p. 207.
Fly-trap. H. J. Smith. No. 1,263,951; Apr. 23; v. 249; p. 910.
Fly-trap. C. Stollberg. No. 1,284,810; Nov. 12; v. 256; p. 383.
Fly-trap. J. E. Taylor. No. 1,258,962; Mar. 12; v. 248; p. 332.
Fly-trap. H. W. Watts. No. 1,275,112; Aug. 6; v. 253; p. 218.
Fly-trap. H. W. Wetzel. No. 1,279,951; Sept. 24; v. 254; p. 794.
Fly trap and catcher. H. W. Wetzel. No. 1,288,779; Dec. 24; v. 257; p. 732.
Fly-trap for screen-doors. W. E. Petty. No. 1,271,214; July 2; v. 252; p. 131.
Fly-traps, Machine for making. J. G. Knowles and W. E. Martin. No. 1,262,357; Apr. 9; v. 249; p. 415.
Fly-wheel. J. C. Forster. No. 1,265,899; May 14; v. 250; p. 313.
Fly-wheel. W. S. Harley. No. 1,264,642; Apr. 30; v. 249; p. 1134.
Fly-wheel. R. Humphries. No. 1,254,694; Jan. 29; v. 246; p. 1053.
Fly-wheel. S. Lake. No. 1,272,061; July 9; v. 252; p. 401.
Fly-wheel, Magnetic. C. J. Meyer and E. P. Gleason. No. 1,263,694; Apr. 23; v. 249; p. 838.
Flying-boat. T. P. Brooke. No. 1,263,846; Apr. 23; v. 249; p. 879.
Flying-boat. L. Crimaudo. No. 1,267,384; May 28; v. 250; p. 782.
Flying-machine. M. Adamski. No. 1,277,815; Sept. 3; v. 254; p. 134.
Flying-machine. A. Allan. No. 1,264,743; Apr. 30; v. 249; p. 1160.
Flying-machine. G. Anderson. No. 1,280,627; Oct. 8; v. 255; p. 168.
Flying-machine. J. F. Billenstein. No. 1,279,231; Sept. 17; v. 254; p. 567.
Flying-machine. G. Caproni. No. 1,284,590; Nov. 12; v. 256; p. 328.
Flying-machine. H. M. Chiron and J. F. Berriex. No. 1,253,937; Jan. 15; v. 246; p. 786.
Flying-machine. G. Chmielinski. No. 1,276,032; Aug 20; v. 253; p. 528.
Flying-machine. R. A. Emmons. No. 1,264,037; Apr. 23; v. 249; p. 932.
Flying-machine. V. P. Galle. No. 1,257,212; Feb. 19; v. 247; p. 690.
Flying-machine. M. Hines. No. 1,276,760; Aug. 27; v. 253; p. 767.
Flying-machine. A. M. Hirmer. No. 1,252,904; Jan. 8; v. 246; p. 455.
Flying-machine. J. S. Hoerner. No. 1,285,180; Nov. 19; v. 256; p. 517.
Flying-machine. O. E. and C. Iligan. No. 1,264,937; May 7; v. 250; p. 18.
Flying-machine. M. F. Morrissey. No. 1,255,105; Jan. 29; v. 246; p. 1172.
Flying-machine. S. Moses. No. 1,287,076; Dec. 10; v. 257; p. 253.
Flying-machine. C. H. O'Rourke. No. 1,277,467; Sept. 3; v. 254; p. 37.
Flying-machine. P. A. Peterson. No. 1,273,267; July 23; v. 252; p. 788.
Flying-machine. J. Preatka. No. 1,266,986; May 21; v. 250; p. 644.
Flying-machine. W. M. Protzman. No. 1,264,330; Apr. 30; v. 249; p. 1046.
Flying-machine. W. M. Protzman and A. D. Ray. No. 1,264,331; Apr. 30; v. 249; p. 1046.
Flying-machine. E. H. Pryce. No. 1,258,943; Mar. 12; v. 248; p. 327.
Flying-machine. R. M. Smith. No. 1,288,721; Dec. 24; v. 257; p. 718.
Flying-machine. R. F. J. Teltzrow. No. 1,273,950; July 30; v. 252; p. 1012.
Flying-machine. R. M. Thompson. No. 1,282,494; Oct. 22; v. 255; p. 747.
Flying-machine. F. Torres. No. 1,289,967; Dec. 31; v. 257; p. 1047.
Flying-machine. W. I. Twombly. No. 1,277,345; Aug. 27; v. 253; p. 921.
Flying-machine. P. R. Wagner. No. 1,266,888; May 21; v. 250; p. 616.
Flying-machine. E. Wick. No. 1,287,158; Dec. 10; v. 257; p. 275.
Flying-machine. E. L. Wilsdorf. No. 1,288,781; Dec. 24; v. 257; p. 733.
Flying-machine. F. Wondra. (Reissue.) No. 14,417; Jan. 1; v. 246; p. 271.
Flying-machine, Automatic. A. Harb. No. 1,275,251; Aug. 13; v. 253; p. 282.
Flying-machine frame. G. L. Weber. No. 1,274,963.; Aug. 6; v. 253; p. 177.
Flying-machine radiator. H. C. Harrison. No. 1,283,167; Oct. 29; v. 255; p. 960.
Flying-machine running-gear. G. C. Moore. No. 1,275,973; Aug. 13; v. 253; p. 481.
Flying-machine stabilizer. G. W. Cline. No. 1,289,118; Dec. 31; v. 257; p. 838.
Flying-machine stabilizer. F. White. No 1,286,860; Dec. 3; v. 257; p. 160.
Flying-machines, Parachute attachment for. A. C. Cambridge. No. 1,267,847; May 28; v. 250; p. 913.
Flying-machines, Safety appliance for. J. H. Kendig. No. 1,270,419; June 25; v. 251; p. 726.
Flying-machines, Safety appliance for. J. H. Kendig. No. 1,277,945; Sept. 3; v. 254; p. 168.
Foam reduction. V. Zachert. No. 1,261,671; Apr. 2; v. 249; p. 193.
Focusing-cloth. E. W. Humbert. No. 1,264,801; Apr. 30; v. 249; p. 1175.
Focusing device. E. W. Davis. No. 1,276,733; Aug. 27; v. 253; p. 761.
Focusing device. R. A. Read. No. 1,258,459; Mar. 5; v. 248; p. 148.
Focusing device. P. E. Young. No. 1,252,762; Jan. 8; v. 246; p. 416.
Focusing-hood. H. Gindele. No. 1,261,919; Apr. 9; v. 249; p. 293.
Fodder-bag for horses. O. and M. Rosenthal. No. 1,277,486; Sept. 3; v. 254; p. 42.
Fodder in the form of sweet green fodder, Preserving green. J. R. Sonderegger, A. Messmer, Jr., and F. Erdrich. No. 1,257,754; Feb. 26; v. 247; p. 885.
Fodder-shocker. J. Blankenberger. No. 1,280,378; Oct. 1; v. 255; p. 74.
Fodder-tie. J. Bauer. No. 1,278,092; Sept. 10; v. 254; p. 233.
Foldable box and table, Combination. E. P. Walker. No. 1,253,913; Jan. 15; v. 246; p. 780.
Foldable or collapsible chair. H. A. Stone. No. 1,263,717; Apr. 23; v. 249; p. 844.
Foldable structure. H. Henschel. No. 1,279,866; Sept. 24; v. 254; p. 770.
Folders, Bundling delivery for. H. A. W. Wood. No. 1,266,738; May 21; v. 250; p. 575.
Folding adjustable easel. F. R. Whiteside. No. 1,280,923; Oct. 8; v. 255; p. 250.
Folding and delivering mechanism. O. Roesen. No. 1,258,708; Mar. 12; v. 248; p. 260.
Folding and plaiting machine. E. J. Granger. No. 1,260,766; Mar. 26; v. 248; p. 918.
Folding and plaiting machine. K. G. R. Hawkins. No. 1,287,986; Dec. 17; v. 257; p. 511.
Folding and punching machine. H. R. Stanbon. No. 1,285,449; Nov. 26; v. 256; p. 585.
Folding articles, Making. O. L. Hemming. No. 1,280,462; Oct. 1; v. 255; p. 96.
Folding auto-table, Convertible. J. W. Crilly. No. 1,280,967; Oct. 8; v. 255; p. 260.
Folding bench. A. R. Werner. No. 1,284,512; Nov. 12; v. 256; p. 309.
Folding board. D. Romans. No. 1,266,993; May 21; v. 250; p. 646.
Folding box. E. T. Clark. No. 1,279,083; Sept. 17; v. 254; p. 529.
Folding box. A. Clawson. No. 1,277,547; Sept. 3; v. 254; p. 59.
Folding box. P. J. Craig. No. 1,281,768; Oct. 15; v. 255; p. 510.
Folding box. H. W. Goodnow. No. 1,256,549; Feb. 19; v. 247; v. 496.

Folding box. W. J. Hall. No. 1,269,706; June 18; v. 251; p. 508.
Folding box. R. H. Voigt. No. 1,272,878; July 16; v. 252; p. 659.
Folding box or crate. C. and O. A. Flagstad. No. 1,264,912; May 7; v. 250; p. 11.
Folding box or shipping-case. W. H. Doble and C. M. Wheaton. (Reissue.) No. 14,471; May 14; v. 250; p. 489.
Folding bracket-table. F. Nelson and C. Espersen. No. 1,283,869; Nov. 5; v. 256; p. 114.
Folding camping outfit. F. Schahfer. No. 1,283,322; Oct. 29; v. 255; p. 999.
Folding canning-tray. W. B. Wills and N. C. Miles. No. 1,283,389; Oct. 29; v. 255; p. 1019.
Folding chair. F. Blando. No. 1,275,649; Aug. 13; v. 253; p. 390.
Folding chair. O. L. Holmes. No. 1,286,636; Dec. 3; v. 257; p. 110.
Folding chair. R. C. Kerr. No. 1,257,877; Feb 26; v. 247; p. 920.
Folding chair. W. E. Kidder. No. 1,254,329; Jan. 22; v. 246; p. 919.
Folding chair. P. D. Odell. No. 1,278,729; Sept. 10; v. 254; p. 403.
Folding chair. C. Pfanschmidt. No. 1,288,670; Dec. 24; v. 257; p. 706.
Folding chair. J. Premysl. No. 1,258,045; Mar. 5; v. 248; p. 28.
Folding chair. L. Rupp. No. 1,283,924; Nov. 5; v. 256; p. 128.
Folding chair. C. A. Schaeffer. No. 1,268,631; June 4; v. 251; p. 160.
Folding chair. J. J. Wolfe. No. 1,284,528; Nov. 12; v. 256; p. 313.
Folding couch. W. E. Frank. No. 1,281,333; Oct. 15; v. 255; p. 394.
Folding davenport. W. E. Frank. No. 1,281,334; Oct. 15; v. 255; p. 395.
Folding laundry-rack. L. F. Elmendorf. No. 1,281,318; Oct. 15; v. 255; p. 390.
Folding-leaf table. A. Wanner, Jr. No. 1,274,475; Aug. 6; v. 253; p. 39.
Folding-machine. A. M. Alexander. No. 1,264,136; Apr. 30; v. 249; p. 991.
Folding-machine. O. C. Currie and W. A. Gruenberg. No. 1,266,218; May 14; v. 250; p. 402.
Folding-machine. I. H. Dexter. No. 1,283,108; Oct. 29; v. 255; p. 944.
Folding-machine. P. R. Glass. No. 1,270,753; June 25; v. 251; p. 817.
Folding-machine. P. R. Glass. No. 1,281,555; Oct. 15; v. 255; p. 454.
Folding-machine. P. R. Glass. No. 1,281,556; Oct. 15; v. 255; p. 454.
Folding-machine. P. R. Glass. No. 1,283,497; Nov. 5; v. 256; p. 16.
Folding-machine. R. Hitchcock. No. 1,273,609; July 23; v. 252; p. 881.
Folding-machine. R. Hitchcock. No. 1,275,425; Aug. 13; v. 253; p. 329.
Folding-machine. J. Husler, Jr. No. 1,263,418; Apr. 23; v. 249; p. 763.
Folding-machine. W. F. Lautenschlager. No. 1,255,540; Feb. 5; v. 247; p. 124.
Folding-machine. W. F. Lautenschlager. No. 1,257,892; Feb. 26; v. 247; p. 925.
Folding-machine. J. E. McIntire. No. 1,263,449; Apr. 23; v. 249; p. 772.
Folding-machine. J. E. McIntire. No. 1,278,490; Sept. 10; v. 254; p. 337.
Folding-machine. F. R. Merritt. No. 1,258,429; Mar. 5; v. 248; p. 141.
Folding-machine. H. F. Perkins. No. 1,260,031; Mar. 19; v. 248; p. 672.
Folding-machine. E. B. Roby. No. 1,260,060; Mar. 19; v. 248; p. 680.
Folding-machine. P. J. Wentworth. No. 1 268,306; June 4; v. 251; p. 68.
Folding-machine for flatwork. M. Kelley. No. 1,285,731; Nov. 26; v. 256; p. 695.
Folding mechanism, Paper-guard for. H. A. W. Wood. No. 1,271,644; July 9; v. 252; p. 283.
Folding projection-frame. W. H. Stavenhagen. No. 1,283,590; Nov. 5; v. 256; p. 39.
Folding screen. F. W. Goldhahn. No. 1,282,685; Oct. 22; v. 255; p. 800.
Folding seat, Two-way-. J. F. Fidiam and F. F. Peralta. No. 1,277,054; Aug. 27; v. 253; p. 844.
Folding stool. P. Merfeld. No. 1,281,189; Oct. 8; v. 255; p. 323.
Folding table. W. E. Allen. No. 1,274,973; Aug. 6; v. 253; p. 179.
Folding table. J. R. Anderson. No. 1,252,766; Jan. 8; v. 246; p. 418.
Folding table. C. W. Coffin. No. 1,288,385; Dec. 17; v. 257; p. 607.
Folding table. A. B. Emshwiller. No. 1,285,082; Nov. 19; v. 256; p. 492.
Folding table. A. Hahn. No. 1,289,739; Dec. 31; v. 257; p. 991.
Folding table. L. W. Miller. No. 1,277,988; Sept. 3; v. 254; p. 180.
Folding table. O. M. Otte. No. 1,289,245; Dec. 31; v. 257; p. 869.
Folding table. F. T. Pierson and W. S. McNally. No. 1,260,941; Mar. 26; v. 248; p. 964.
Folding table. M. R. Rudy. No. 1,287,444; Dec. 10; v. 257; p. 345.
Folding table. J. Sedaj. No. 1,269,008; June 11; v. 251; p. 283.
Folding table. H. W. Sellner. No. 1,262,272; Apr. 9; v. 249; p. 390.
Folding table. A. R. Ulp. No. 1,270,568; June 25; v. 251; p. 769.
Folding table. R. G. Washington. No. 1,279,620; Sept. 24; v. 254; p. 698.
Folding table for attachment to bedsteads. A. E. Darlaston. No. 1,256,209; Feb. 12; v. 247; p. 361.
Food. C. F. Ampt. No. 1,261,996; Apr. 9; v. 249; p. 315.
Food and making same, Prepared. X. Kuzmier. No. 1,273,072; July 16; v. 252; p. 711.
Food and making same, Prepared health. J. P. Pursell. No. 1,271,765; July 9; v. 252; p. 316.
Food and producing the same, Substitute highly-nitrogenous. N. Moskovits and K. A. Jacobsen. No. 1,277,336; Aug. 27; v. 253; p. 918.
Food, Antiseptic or sterilizing agent for use in the preservative treatment of. A. E. Sherman. No. 1,274,793; Aug. 6; v. 253; p. 128.
Food, Article of. H. A. Shepard. No. 1,257,410; Feb. 26; v. 247; p. 782.
Food composition. F. O. Marquis. No. 1,279,390; Sept. 17; v. 254; p. 612.
Food composition. W. W. Reed. No. 1,255,638; Feb. 5; v. 247; p. 152.
Food composition for making cakes and the like. H. D. Boddington. No. 1,266,202; May 14; v. 250; p. 398.
Food, Composition of matter for use as a. J. M. Stukes. No. 1,258,059; Mar. 5; v. 248; p. 32.
Food compound. H. J. Rhodes. No. 1,252,029; Jan. 1; v. 246; p. 173.
Food compound and making same. W. Horlick, Jr. No. 1,260,542; Mar. 26; v. 248; p. 851.
Food compound for making custard. H. D. Boddington. No. 1,266,201; May 14; v. 250; p. 398.
Food-container. C. Waibel. No. 1,288,313; Dec. 17; v. 257; p. 591.
Food-cutter. A. H. Gullborg. No. 1,284,658; Nov. 12; v. 256; p. 345.
Food-cutter. F. Hanusch. No. 1,251,885; Jan. 1; v. 246; p. 133.
Food for the feeding of agricultural stock, Milklike. W. J. Melhuish. No. 1,265,227; May 7; v. 250; p. 98.
Food from corn, Preparing. M. Villegas. No. 1,262,144; Apr. 9; v. 249; p. 355.
Food from soy-beans, Producing liquid. A. B. Moses. No. 1,281,411; Oct. 15; v. 255; p. 417.
Food, Laxative breakfast. T. H. Robinson. No. 1,261,057; Apr. 2; v. 249; p. 19.
Food-machines, Tool-holding means of. J. and H. Trust. No. 1,255,356; Feb. 5; v. 247; p. 69.
Food, Making cattle. F. Thatcher. No. 1,257,423; Feb. 26; v. 247; p. 785.
Food, Making rice breakfast. H. Fukuda. No. 1,266,448; May 14; v. 250; p. 463.
Food, Prepared. A. S. Burdick and C. Nielsen. No. 1,273,144; July 23; v. 252; p. 756.
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Food product. R. T. Hogg. No. 1,278,468; Sept. 10; v. 254; p. 331.
Food product. P. R. Welch. No. 1,277,672; Sept. 3; v. 254; p. 95.
Food product and making same. F. E. Pierson. No. 1,281,828; Oct. 15; v. 255; p. 527.
Food product and making the same. G. López de Lara. No. 1,268,860; June 11; v. 251; p. 243.
Food product and making the same. H. Rodman. No. 1,270,875; July 2; v. 252; p. 34.
Food product and preparing same. C. F. Ampt. No. 1,261,995; Apr. 9; v. 249; p. 315.
Food product and producing same. F. C. Atkinson. No. 1,264,591; Apr. 30; v. 249; p. 1120.
Food product and producing same. R. Graham. No. 1,264,876; Apr. 30; v. 249; p. 1196.
Food products, Machine for treating. G. Cushen. No. 1,264,372; Apr. 30; v. 249; p. 1058.
Food products, Means for preparing. A. Fay. No. 1,251,878; Jan. 1; v. 246; p. 131.
Food products of starchy material, Preparing. F. G. Lorenzen. No. 1,275,711; Aug. 13; v. 253; p. 407.
Food products, Packaging. J. Januchowsky and F. Gutmann. No. 1,281,578; Oct. 15; v. 255; p. 461.
Food products, Preparing precooked. B. Remmers. No. 1,258,047; Mar. 5; v. 248; p. 29.
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Food, Soy-bean. M. Makino. No. 1,258,427; Mar. 5; v. 248; p. 140.
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Foodstuffs, Apparatus for drying. E. G. Moise. No. 1,270,540; June 25; v. 251; p. 762.
Foodstuffs, Manufacture of. H. Ballmann. No. 1,260,656; Mar. 26; v. 248; p. 886.
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Foot-ball head-gear. W. McGill. No. 1,262,818; Apr. 16; v. 249; p. 573.
Foot-ball signal. F. Haggerty. No. 1,279,539; Sept. 24; v. 254; p. 675.
Foot-guard. W. T. O'Donnell. No. 1,266,304; May 14; v. 250; p. 425.
Foot-operating device. B. N. Russell and T. V. Smith. No. 1,273,186; July 23; v. 252; p. 768.
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Foot-rest. M. F. Bell. No. 1,270,103; June 18; v. 251; p. 615.
Foot-rest. C. A. Carry. No. 1,265,609; May 7; v. 250; p. 200.
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Foot-treatment pad. W. M. Scholl. No. 1,288,225; Dec. 17; v. 257; p. 570.
Foot-warmer. H. B. Etheridge. No. 1,272,931; July 16; v. 252; p. 673.
Foot-warmer. F. Kuhn and J. A. Hand. No. 1,288,045; Dec. 17; v. 257; p. 527.
Footwear. M. H. Clark. No. 1,289,662; Dec. 31; v. 257; p. 972.
Footwear. G. C. Hauser and J. H. Dolan. No. 1,261,524; Apr. 2; v. 249; p. 151.
Footwear. C. J. Ransom. No. 1,281,655; Oct. 15; v. 255; p. 480.
Footwear, Combination rubber and leather. E. Heiser and P. Binkle. No. 1,271,707; July 9; v. 252; p. 301.
Footwear, Composition for soles for. G. R. Wyman and A. E. Currier. No. 1,284,023; Nov. 5; v. 256; p. 153.
Footwear-ventilator. J. V. Hagstrom. No. 1,259,229; Mar. 12; v. 248; p. 408.
Footwear-warmer. W. W. Lillard. No. 1,275,451; Aug. 13; v. 253; p. 336.
Force, Apparatus for utilizing an expansive. H. A. Humphrey. No. 1,258,570; Mar. 5; v. 248; p. 182.
Force-feed lubricator. W. H. Putnam. No. 1,262,979; Apr. 16; v. 249; p. 619.
Force-feed lubricator. J. C. Ross. No. 1,270,440; June 25; v. 251; p. 733.
Force, Utilizing an expansive. H. A. Humphrey and W. J. Rusdell. No. 1,271,712; July 9; v. 252; p. 302.
Forcing-proof drop-stopper. E. Allie. No. 1,264,745; Apr. 30; v. 249; p. 1160.
Forceps. L. G. Rink. No. 1,288,995; Dec. 24; v. 257; p. 783.
Forceps, Pig's. G. A. Muhl. No. 1,277,243; Aug. 27; v. 253; p. 895.
Forge. J. H. Murray. No. 1,261,843; Apr. 9; v. 249; p. 274.
Forge. L. F. and J. W. Tarbell. No. 1,285,464; Nov. 19; v. 256; p. 588.
Forges, furnaces, and the like, Air-feeding device for. B. H. Tripp and H. V. Ramsay. No. 1,276,836; Aug. 27; v. 253; p. 787.
Forged fulcrums, Making. A. H. Peycke. No. 1,283,887; Nov. 5; v. 256; p. 119.
Forging and annealing furnace. J. A. Mahr. No. 1,285,761; Nov. 26; v. 256; p. 702.
Forging and other machines, Safety catch device to prevent the accidental starting of. T. Baker and E. Cooke. No. 1,274,498; Aug. 6; v. 253; p. 45.
Forging and stamping machines, Safety attachment for drop-. J. R. Huggins. No. 1,257,237; Feb. 19; v. 247; v. 697.
Forging, flanging, and other press. W. H. Morgan. No. 1,273,265; July 23; v. 252; p. 788.
Forging-press. T. E. Holmes. No. 1,275,258; Aug. 13; v. 253; p. 283.
Forging-press. E. L. McGary. No. 1,286,687; Dec. 3; v. 257; p. 122.
Forging-press dies, Lubricator for. R. H. Wilder and J. C. Kaumeier. No. 1,284,168; Nov. 5; v. 256; p. 193.
Forging projectiles and the like, Die for. J. Dickenson. No. 1,266,925; May 21; v. 250; p. 627.
Fork: *See*—
Carving-fork.
Cooking-fork.
Ensilage-fork.
Harpoon-fork.
Hay-fork.
Motor-cycle fork.
Serving-fork.
Tuning-fork.
Fork. J. Hotham. No. 1,274,358; July 30; v. 252; p. 1123.
Fork and spoon, Combination. C. Evans. No. 1,277,205; Aug. 27; v. 253; p. 886.
Fork and spoon, Combined. R. E. Duckett. No. 1,271,679; July 9; v. 252; p. 293.
Fork construction, Front-. W. S. Harley. No. 1,264,643; Apr. 30; v. 249; p. 1135.
Forks, Manufacture of. R. H. Cowdery. No. 1,279,660; Sept. 24; v. 254; p. 711.
Forks, Stripping attachment for. K. Stimecz. No. 1,255,945; Feb. 12; v. 247; p. 280.
Form, Adjustable. B. Engle. No. 1,280,429; Oct. 1; v. 255; p. 88.
Form, Adjustable dress-. F. B. Granger. No. 1,271,890; July 9; v. 252; p. 350.
Form, Adjustable dress-. C. A. Ufford. No. 1,259,808; Mar. 19; v. 248; p. 605.
Form and hanger, Garment. H. Moschcowitz. No. 1,254,719; Jan. 29; v. 246; p. 1061.
Form-clamps, Tightener for. G. F. Newton. No. 1,255,210; Feb. 5; v. 247; p. 28.
Form, Convertible garment-. S. S. Fleishel. No. 1,268,560; June 4; v. 251; p. 139.
Form, Dress-. F. B. Granger. No. 1,271,889; July 9; v. 252; p. 350.
Form, Dress-. C. A. Ufford. No. 1,267,937; May 28; v. 250; p. 938.
Form, Fitting-. J. O. H. Roy. No. 1,252,618; Jan. 8; v. 246; p. 375.
Form-holder and wall-tie. H. G. Tenholder. No. 1,255,811; Feb. 5; v. 247; p. 201.
Form stand, Dress-. W. Kroll. No. 1,272,678; July 16; v. 252; p. 601.
Forms and containers, Atomizing apparatus for making fibrous. J. P. Raymond. No. 1,284,927; Nov. 12; v. 256; p. 414.
Forms and containers from fibrous cohesive substances, Atomizing method for making. J. P. Raymond. No. 1,284,926; Nov. 12; v. 256; p. 413.
Forming and baking hollow pastry forms, Machine for. E. H. Lanier and F. K. Driesbach. (Reissue.) No. 14,534; Oct. 15; v. 255; p. 576.
Forming and relieving mechanism. O. Coradi. No. 1,289,674; Dec. 31; v. 257; p. 975.
Forming and rolling machine. A. L. Warner. No. 1,262,882; Apr. 16; v. 249; p. 591.
Forming handles for wind-shields or the like. C. W. Beck. No. 1,283,459; Nov. 5; v. 256; p. 5.
Formaldehyde composition and preparation thereof. D. M. McCarthy. (Reissue.) No. 14,514; Aug. 27; v. 253; p. 923.
Formaldehyde composition and the preparation thereof. D. M. McCarthy. No. 1,265,463; May 7; v. 250; p. 163.
Formates and oxalates, Manufacture of. A. Lackman. No. 1,274,169; July 30; v. 252; p. 1073.
Fort. J. D. Virdin. No. 1,263,969; Apr. 23; v. 249; p. 914.
Fort, Movable. A. Krzan. No. 1,274,721; Aug. 6; v. 253; p. 109.
Fort, Portable. L. Grzesinski and S. Jawors. No. 1,285,989; Nov. 26; v. 256; p. 759.
Foundations, Method and apparatus for making. M. Blumenthal. No. 1,279,834; Sept. 24; v. 254; p. 761.
Founding-pattern. D. Bourque. No. 1,287,625; Dec. 17; v. 257; p. 420.
Foundry-flask. W. W. Peck. No. 1,287,417; Dec. 10; v. 257; p. 339.
Foundry practice, Composition of matter for use in. F. S. Knapper. No. 1,288,035; Dec. 17; v. 257; p. 524.
Foundry process, Continuous. O. L. Dosch. No. 1,276,040; Aug. 20; v. 253; p. 531.
Foundry system. O. L. Dosch. No. 1,276,039; Aug. 20; v. 253; p. 530.
Fountain: *See*—
Drinking-fountain.
Illuminated fountain.
Liquid-fountain.
Soda-water fountain.
Water-fountain.
Watering-fountain.
Fountain. M. Luckiesh. No. 1,280,784; Oct. 8; v. 255; p. 213.
Fountain-comb. L. C. Mathews. No. 1,263,693; Apr. 23; v. 249; p. 838.
Fountain-comb. J. P. Rankin. No. 1,273,272; July 23; v. 252; p. 790.
Fountain-comb. A. R. Spielberger. No. 1,256,386; Feb. 12; v. 247; p. 414.
Fountain head, Drinking-. R. J. East. No. 1,272,927; July 16; v. 252; p. 672.
Fountain-pen clip. R. V. Stones. No. 1,287,131; Dec. 10; v. 257; p. 268.
Fourdrinier machine. J. Alpine. No. 1,275,826; Aug. 13; v. 253; p. 440.
Fourdrinier machine. A. J. Davies. No. 1,260,878; Mar. 26; v. 248; p. 947.

Fourdrinier machine. W. A. Murray and C. E. Putnam. No. 1,280,524; Oct. 1; v. 255; p. 114.
Fourdrinier machine. C. E. Pope. No. 1,257,737; Feb. 26; v. 247; p. 881.
Fractionating liquids. E. H. Wright and E. H. Atwood. No. 1,278,280; Sept. 10; v. 254; p. 284.
Fractures of the arm, Apparatus for use in reducing. L. Leyva. No. 1,286,036; Nov. 26; v. 256; p. 771.
Frame: *See*—
Agricultural - implement frame.
Anesthetic-frame.
Automobile-frame.
Awning-frame.
Bag-frame.
Bag or purse frame.
Bed-frame.
Car-frame.
Collapsible frame.
Cycle-frame.
Display-frame.
Door-frame.
Drawing-frame.
Drying-frame.
Dyeing-frame.
Embroidery-frame.
Exhibiting-frame.
Flying-machine frame.
Folding projection-frame.
Furnace-door frame.
Gardening-frame.
Hacksaw-frame.
Heddle-frame.
Incubator-frame.
Knockdown frame.
Knockdown and portable frame.
Lens-frame.
Lumber-bundling frame.
Machine-frame.
Machinery-frame.
Manhole-frame.
Mattress-frame.
Metal frame.
Mop-frame.
Motor-cycle frame.
Pack-frame.
Photograph-printing frame.
Picture-frame.
Power-frame.
Printing-frame.
Quilting-frame.
Saw-frame.
Screen-frame.
Side frame.
Spectacle-frame.
Spinning-frame.
Stop-motion thread-frame.
Tractor-frame.
Trial-frame.
Truck-frame.
Truck side frame.
Type-writer main frame.
Umbrella-frame.
Vehicle-frame.
Vehicle trussed frame.
Wagon bed and hay-frame.
Wagon hay-frame.
Window-frame.
Frame. L. W. Bugbee. No. 1,278,431; Sept. 10: v. 254; p. 322.
Frame. H. P. Carlon. No. 1,256,518. Feb. 19; v. 247; p. 488.
Frame. J. Lynch. No. 1,253,847; Jan. 15; v. 246; p. 763.
Frame and bracket. C. A. Lockard. No. 1,288,486; Sept. 10; v. 254; p. 336.
Frames, Corner construction for rectangular. W. B. Anderson. No. 1,261,000; Apr. 2; v. 249; p. 3.
Framing-clip. J. Fiala, Jr. No. 1,260,531; Mar. 26; v. 248; p. 849.
Framing device. F. C. Taylor. No. 1,283,595; Nov. 5; v. 256; p. 41.
Framing-machine. J. E. Toohey. No. 1,254,177; Jan. 22; v. 246; p. 875.
Framework coupling, Tubular-. C. E. Hoppes. No. 1,263,249; Apr. 16; v. 249; p. 695.
Freezer. F. H. Middleton. No. 1,279,570; Sept. 24; v. 254; p. 684.
Freezing water. W. O. Felt. No. 1,271,879; July 9; v. 252; p. 346.
Freight-carrier, Auxiliary. C. E. Mason. No. 1,286,048; Nov. 26; v. 256; p. 774.
Freight-handling, Check system for. P. H. Melville. No. 1,278,972; Sept. 17; v. 254; p. 499.
Freight transfer-station and warehouse. B. F. Fitch. No. 1,261,504; Apr. 2; v. 249; p. 145.
Frequency-changer. F. W. Meyer. No. 1,275,967; Aug. 13; v. 253; p. 479.
Frequency-meter. B. P. Romain. No. 1,277,757; Sept. 3; v. 254; p. 119.
Friction-clutch couplings, Automatic locking device for movable members of. K. H. Johansson. No. 1,284,900; Nov. 12; v. 256; p. 407.
Friction device. W. H. Fauber. No. 1,271,878; July 9; v. 252; p. 346.
Friction device. N. Whichello. No. 1,285,859; Nov. 26; v. 256; p. 728.
Friction-facing and making same. L. Kirschbraun. No. 1,275,043; Aug. 6; v. 253; p. 199.
Friction-testing device. W. V. Turner. No. 1,262,143; Apr. 9; v. 249; p. 354.
Friction-top can. J. G. Hodgson. No. 1,277,724; Sept. 3; v. 254; p. 109.
Friction transmission. C. C. Jewell. No. 1,279,117; Sept. 17; v. 254; p. 536.
Friction transmission-gear. I. N. Myers. No. 1,270,651; June 25; v. 251; p. 791.
Friction-wheel. C. S. Parish. No. 1,288,667; Dec. 24; v. 257; p. 705.
Frieze-board marker. W. McBride. No. 1,255,190; Feb. 5; v. 247; p. 22.
Fringe. J. E. Chappatte. No. 1,268,817; June 11; v. 251; p. 231.
Fritter-forming machine. G. F. Laurence. No. 1,288,622; Dec. 24; v. 257; p. 694.
Frog. A. D. Coalson. No. 1,252,400; Jan. 8; v. 246; p. 310.
Frog. J. P. Fleckenstein. No. 1,271,556; July 9; v. 252; p. 258.
Frog and frog-chair. G. H. Emerson. No. 1,278,321; Sept. 10; v. 254; p. 294.
Frog, Rerailing-. C. B. Sullivan. No. 1,266,727; May 21; v. 250; p. 572.
Froth-reducing discharge apparatus and process. M. Leitch and B. R. Wright. No. 1,256,810; Feb. 19; v. 247; p. 572.
Fruit and melon grader. A. W. Phelps. No. 1,259,905; Mar. 19; v. 248; p. 634.
Fruit and vegetable drier. M. Endres. No. 1,269,412; June 11; v. 251; p. 395.
Fruit-box, Sanitary collapsible. R. B. McKee. No. 1,251,796; Jan. 1; v. 246; p. 106.
Fruit-catcher. H. Zwicker, Sr. No. 1,290,008; Dec. 31; v. 257; p. 1057.
Fruit cleaner, dipper, and grader. F. J. Yandle. No. 1,278,547; Sept. 10; v. 254; p. 354.
Fruit-clipper. E. S. Cobb. No. 1,287,637; Dec. 17; v. 257; p. 423.
Fruit-conveyer. J. W. Stevenson. No. 1,283,949; Nov. 5; v. 256; p. 134.
Fruit-distributing device. J. A. and V. O. Campbell. No. 1,256,294; Feb. 12; v. 247; p. 385.
Fruit-drier. F. C. Crowe. No. 1,287,899; Dec. 17; v. 257; p. 490.
Fruit-drier. A. N. Godfrey. No. 1,267,655; May 28; v. 250; p. 857.
Fruit-drier. U. G. Stover. No. 1,276,988; Aug. 27; v. 253; p. 827.
Fruit-drying apparatus. T. W. W. Forrest. No. 1,275,547; Aug. 13; v. 253; p. 362.
Fruit-drying apparatus. G. D. Parker. No. 1,266,983; May 21; v. 250; p. 644.
Fruit-gatherer. F. A. Creed. No. 1,286,947; Dec. 10; v. 257; p. 221.
Fruit-gatherer. C. L. Duhem. No. 1,264,780; Apr. 30; v. 249; p. 1169.
Fruit-gatherer. M. E. Flinn. No. 1,256,890; Feb. 19; v. 247; p. 597.
Fruit-gatherer. A. Pinkos. No. 1,258,455; Mar. 5; v. 248; p. 148.
Fruit-gatherer. F. F. Weilenman. No. 1,282,032; Oct. 22; v. 255; p. 621.
Fruit-gatherer. G. Wisnyei and S. Weiss. No. 1,253,554; Jan. 15; v. 246; p. 678.
Fruit-gathering bag. A. Weaver. No. 1,288,320; Dec. 17; v. 257; p. 592.
Fruit-gathering device. B. F. Tussing. No. 1,276,453; Aug. 20; v. 253; p. 647.
Fruit-grader. H. C. Winans. No. 1,286,863; Dec. 3; v. 257; p. 161.
Fruit-grading machine. F. C. Gordon. No. 1,282,069; Oct. 22; v. 255; p. 631.
Fruit-halving instrument. M. A. Clark. No. 1,256,439; Feb. 12; v. 247; p. 429.
Fruit-juices, Preserving. H. C. Gore. No. 1,284,187; Nov. 5; v. 256; p. 198.
Fruit-knife. R. H. Newman. No. 1,261,954; Apr. 9; v. 249; p. 303.
Fruit, Machine for cutting and pitting drupaceous. H. C. McCurrie. No. 1,286,685; Dec. 3; v. 257; p. 121.
Fruit-marker. F. M. Benway. No. 1,273,721; July 23; v. 252; p. 909.
Fruit-marking apparatus. K. L. Smith. No. 1,283,579; Nov. 5; v. 256; p. 36.
Fruit-marking machine. F. Ahlburg. No. 1,284,031; Nov. 5; v. 256; p. 155.
Fruit-packing press. W. E. Garver. No. 1,259,613; Mar. 19; v. 248; p. 549.
Fruit-picker. H. N. Bigger. No. 1,257,791; Feb. 26; v. 247; p. 895.
Fruit-picker. H. Gielow. No. 1,255,596; Feb. 5; v. 247; p. 140.
Fruit-picker. M. Matsuzaka. No. 1,264,835; Apr. 30; v. 249; p. 1185.
Fruit-picker. A. R. Wolken. No. 1,265,410; May 7; v. 250; p. 148.
Fruit-picking net. L. M. Fleckner. No. 1,286,980; Dec. 10; v. 257; p. 229.
Fruit-pit-clipping device. W. F. Oglesby. No. 1,256,035; Feb. 12; v. 247; p. 307.
Fruit-press. B. C. Reynolds. No. 1,260,053; Mar. 19; v. 248; p. 678.
Fruit-separating apparatus, Gravity. G. D. Parker. No. 1,252,833; Jan. 8; v. 246; p. 435.
Fruit-separator, Gravity. F. F. Chase. No. 1,285,560; Nov. 19; v. 256; p. 611.
Fruit-sizer. G. D. Parker. No. 1,272,307; July 9; v. 252; p. 470.
Fruit-sizing apparatus. G. D. Parker. No. 1,257,018; Feb. 19; v. 247; p. 635.
Fruit-sizing machine. W. G. Price. No. 1,288,184; Dec. 17; v. 257; p. 561.
Fruit-sizing machine. G. C. Starcher. No. 1,258,958; Mar. 12; v. 248; p. 339.
Fruit-skin-removing process and apparatus. G. W. Shannon. No. 1,280,879; Oct. 8; v. 255; p. 238.
Fruit-sorting apparatus. H. Snell. No. 1,281,090; Oct. 8; v. 255; p. 295.
Fruit-strainer. R. R. Tilton. No. 1,285,470; Nov. 19; v. 256; p. 590.
Fruit-tray. A. M. Lane. No. 1,289,203; Dec. 31; v. 257; p. 859.

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Fruit-tray and making same. A. M. Lane. No. 1,289,202; Dec. 31; v. 257; p. 859.
Fruit, Treating dried. S. Katzprowsky. No. 1,253,045; Jan. 8; v. 246; p. 500.
Fruit-washing machine. A. F. Bisceglia. No. 1,257,574; Feb. 26; v. 247; p. 831.
Fruits and vegetables, Machine for preparing. E. J. Lewis. No. 1,264,823; Apr. 30; v. 249; p. 1181.
Fruits, Means for and method of removing cores from. W. B. Fenn. No. 1,282,402; Oct. 22; v. 255; p. 723.
Frying apparatus. J. M. Stivers and A. C. Enochs. No. 1,271,796; July 9; v. 252; p. 323.
Frying apparatus. G. L. Young. No. 1,264,740; Apr. 30; v. 249; p. 1159.
Frying-pan. R. E. Baker. No. 1,264,475; Apr. 30; v. 249; p. 1088.
Frying-pan. S. D. Gonsalves. No. 1,281,943; Oct. 15; v. 255; p. 558.
Frying-pan. J. Hartman. No. 1,260,771; Mar. 26; v. 248; p. 919.
Frying-pan. A. P. Williams. No. 1,267,029; May 21; v. 250; p. 657.
Fudge-block-forming machine. F. H. Webb. No. 1,268,520; June 4; v. 251; p. 128.
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Fuel and air feeder and mixer, Pulverized-. G. W. Clendon. No. 1,254,393; Jan. 22; v. 246; p. 937.
Fuel and auxiliary-air homogenizer. C. S. Allen. No. 1,263,188; Apr. 16; v. 249; p. 680.
Fuel and forming the same. D. Markle. No. 1,287,382; Dec. 10; v. 257; p. 331.
Fuel and making same, Artificial. J. Schaub. No. 1,262,267; Apr. 9; v. 249; p. 389.
Fuel and making same, Artificial. J. Schaub. No. 1,262,268; Apr. 9; v. 249; p. 390.
Fuel, Apparatus for burning pulverized. T. B. Cram. No. 1,258,654; Mar. 12; v. 248; p. 245.
Fuel, Apparatus for feeding pulverized. J. E. Muhlfeld. No. 1,282,106; Oct. 22; v. 255; p. 641.
Fuel, Apparatus for making motor-. W. A. Hall. No. 1,285,136; Nov. 19; v. 256; p. 505.
Fuel blocks or briquets, Manufacture of. E. R. Sutcliffe. No. 1,267,711; May 28; v. 250; p. 873.
Fuel-briquet. W. Kennett and E. T. Krebs. No. 1,273,619; July 23; v. 252; p. 883.
Fuel-briquet. C. H. Smith. No. 1,284,939; Nov. 12; v. 256; p. 417.
Fuel-burner. W. A. Doble. No. 1,273,466; July 23; v. 252; p. 842.
Fuel-burner. J. A. and W. A. Doble, Jr. No. 1,273,467; July 23; v. 252; p. 842.
Fuel-burner. J. F. Spiegel. No. 1,271,791; July 9; v. 252; p. 322.
Fuel-burner construction. T. S. Leese. No. 1,262,067; Apr. 9; v. 249; p. 332.
Fuel burner, Pulverized-. H. S. Flanegin. No. 1,289,144; Dec. 31; v. 257; p. 844.
Fuel-burning apparatus. H. B. Bozard. No. 1,287,852; Dec. 17; v. 257; p. 478.
Fuel, Burning pulverized. V. Z. Caracristi. No. 1,274,384; Aug. 6; v. 253; p. 10.
Fuel-charge-supply apparatus. J. Good. No. 1,253,681; Jan. 15; v. 246; p. 714.
Fuel, Composition. S. I. Rose. No. 1,270,664; June 25; v. 251; p. 794.
Fuel composition and process, Artificial-. R. F. Dalton. No. 1,260,286; Mar. 19; v. 248; p. 742.
Fuel-consuming apparatus. J. Schaub. No. 1,275,608; Aug. 13; v. 253; p. 379.
Fuel containing and consuming apparatus. C. H. Bayer. No. 1,277,362; Sept. 3; v. 254; p. 7.
Fuel-control system. W. A. Doble, Jr. No. 1,279,674; Sept. 24; v. 254; p. 715.
Fuel-economizing device. O. L. Callahan. No. 1,285,028; Nov. 19; v. 256; p. 479.
Fuel element for vulcanizers. A. Fay. No. 1,285,087; Nov. 19; v. 256; p. 493.
Fuel-feed device, Vacuum. L. Berg. No. 1,277,684; Sept. 3; v. 254; p. 98.
Fuel-feed device, Vacuum. L. Berg. No. 1,277,685; Sept. 3; v. 254; p. 98.
Fuel-feed device, Vacuum. L. Berg. No. 1,277,686; Sept. 3; v. 254; p. 98.
Fuel-feed system, Vacuum. W. Jay. No. 1,279,115; Sept. 17; v. 254; p. 536.
Fuel-feed system, Vacuum. W. Jay. No. 1,279,116; Sept. 17; v. 254; p. 536.
Fuel-feeding means. G. W. Bothwell. No. 1,254,768; Jan. 29; v. 246; p. 1076.
Fuel-feeding mechanism. A. Winton. No. 1,267,728; May 28; v. 250; p. 877.
Fuel, Firing-chamber for powdered. W. D. Wood. No. 1,266,088; May 14; v. 250; p. 365.
Fuel from waste products, Manufacture of artificial. H. Brown. No. 1,256,494; Feb. 12; v. 247; p. 444.
Fuel-gage. H. Hueber. No. 1,270,735; June 25; v. 251; p. 811.
Fuel-gage. G. E. Ingram. No. 1,265,336; May 7; v. 250; p. 126.
Fuel-heater. A. Douaud. No. 1,271,143; July 2; v. 252; p. 109.
Fuel-heater. G. H. Hayes. No. 1,271,572; July 9; v. 252; p. 262.
Fuel-heater. A. R. Long. No. 1,263,259; Apr. 16; v. 249; p. 697.
Fuel-heater. F. McCurtain. No. 1,280,787; Oct. 8; v. 255; p. 213.
Fuel heater and mixer. M. H. Brown. No. 1,269,252; June 11; v. 251; p. 352.
Fuel-igniter. A. Kaslaitis. No. 1,274,276; July 30; v. 252; p. 1103.
Fuel-injector. W. J. Still. No. 1,262,400; Apr. 9; v. 249; p. 427.
Fuel into combustion-chambers, Method of and apparatus for injecting. J. O. Fisher. No. 1,252,254; Jan. 1; v. 246; p. 235.
Fuel, Liquid. A. A. Backhaus. No. 1,271,114; July 2; v. 252; p. 101.
Fuel, Liquid. A. A. Backhaus. No. 1,271,115; July 2; v. 252; p. 102.
Fuel-locking means. H. R. Sack. No. 1,259,910; Mar. 19; v. 248; p. 636.
Fuel-machine. G. Engelbrekt. No. 1,281,541; Oct. 15; v. 255; p. 451.
Fuel, Manufacturing gaseous. J. R. Rose. No. 1,252,033; Jan. 1; v. 246; p. 174.
Fuel, Manufacturing gaseous. J. R. Rose. No. 1,254,360; Jan. 22; v. 246; p. 928.
Fuel-mixer. W. W. Core and A. P. Wehner. No. 1,271,541; July 9; v. 252; p. 254.
Fuel-mixer. G. R. Holland. No. 1,281,962; Oct. 15; v. 255; p. 562.
Fuel-mixer. F. M. Willis. No. 1,254,100; Jan. 22; v. 246; p. 854.
Fuel mixer, Gaseous-. J. Von Wladkowsky. No. 1,254,102; Jan. 22; v. 246; p. 854.
Fuel-mixing device. M. L. Packer. No. 1,276,257; Aug. 20; v. 253; p. 591.
Fuel, Motor-. E. W. Stevens. No. 1,259,053; Mar. 12; v. 248; p. 360.
Fuel, Prepared. A. B. Low. No. 1,252,909; Jan. 8; v. 246; p. 456.
Fuel-producing apparatus, Combustible-. J. R. Rose. No. 1,252,032; Jan. 1; v. 246; p. 174.
Fuel product and making same. O. F. Werner. No. 1,274,480; Aug. 6; v. 253; p. 40.
Fuel-saver. W. R. Patterson. No. 1,290,014; Dec. 31; v. 257; p. 1059.
Fuel saver and decarbonizer. E. Hasbrouck and C. E. White. No. 1,280,997; Oct. 8; v. 255; p. 268.
Fuel-saver and smoke-consumer. L. D. West. No 1,267,295; May 21; v. 250; p. 729.
Fuel-saver and smoke-consumer. L. D. West. No. 1,267,296; May 21; v. 250; p. 729.
Fuel-saving and smoke-consuming device. L. D. West. No. 1,267,297; May 21; v. 250; p. 730.
Fuel-saving device. S. C. Hays. No. 1,260,378; Mar. 26; v. 248; p. 803.
Fuel shut-off, Automatic low-water. E. G. Ofeldt. No. 1,288,149; Dec. 17; v. 257; p. 553.
Fuel-supply intake connection. A. Phinney. No. 1,288,982; Dec. 24; v. 257; p. 780.
Fuel-supply system. D. L. Galusha. No. 1,256,785; Feb. 19; v. 247; p. 565.
Fuel, System for supplying liquid. T. J. Fay. No. 1,276,890; Aug. 27; v. 253; p. 801.
Fuel-tank. J. F. Denison. No. 1,271,675; July 9; v. 252; p. 292.
Fuel-underfeed. J. N. Richardson. No. 1,260,056; Mar. 19; v. 248; p. 679.
Fuel-vaporizer. F. E. Arndt. No. 1,278,557; Sept. 10; v. 254; p. 356.
Fuel-vaporizer. C. H. Cook. No. 1,276,332; Aug. 20; v. 253; p. 611.
Fuel-vaporizer. O. C. Shum. No. 1,269,753; June 18; v. 251; p. 520.
Fuel-vaporizer, Automatic. L. L. Yoder and F. A. Vickery. No. 1,273,565; July 23; v. 252; p. 868.
Fulcrum-changing machine. R. L. Hall. No. 1,271,568; July 9; v. 252; p. 261.
Fulcrum, Tie-spacer. H. G. Warr. No. 1,278,532; Sept. 10; v. 254; p. 350.
Fuller ball. P. Mueller. No. 1,263,792; Apr. 23; v. 249; p. 864.
Fullers' earth and similar materials, Treating. C. M. Husted. No. 1,256,233; Feb. 12; v. 247; p. 368.
Fulling-mill. C. C. Harris. No. 1,273,852; July 30; v. 252; p. 984.
Fume-disseminator. V. Slater and L. D. West. No. 1,273,682; July 23; v. 252; p. 900.
Fume-dissipator. V. Slater and T. C. Stuart. No. 1,273,681; July 23; v. 252; p. 899.
Fumes, Treating sulfurous. S. W. Young. No. 1,262,295; Apr. 9; v. 249; p. 396.
Fumigating device. N. O. Mellott. No. 1,287,389; Dec. 10; v. 257; p. 333.
Fumigator. P. S. Bauer. No. 1,265,166; May 7; v. 250; p. 81.
Funnel. C. T. Fell. No. 1,268,947; June 11; v. 251; p. 266.
Funnel. J. G. Gudges. No. 1,287,974; Dec. 17; v. 257; p. 508.

Funnel. J. Hutzelman and I. Beresford. No. 1,266,019; May 14; v. 250; p. 346.
Funnel. M. H. Lowrimore. No. 1,272,477; July 16; v. 252; p. 543.
Funnel. A. T. Lunde. No. 1,267,780; May 28; v. 250; p. 892.
Funnel. E. E. Lundstrom. No. 1,289,490; Dec. 31; v. 257; p. 931.
Funnel. G. J. Maki. No. 1,278,968; Sept. 17; v. 254; p. 498.
Funnel. H. G. Rasmussen. No. 1,268,054; May 28; v. 250; p. 969.
Funnel. J. L. Rucker. No. 1,256,733; Feb. 19; v. 247; p. 550.
Funnel. F. J. Steutermann. No. 1,267,139; May 21; v. 250; p. 689.
Funnel. L. L. Tittle, Jr. No. 1,289,310; Dec. 31; v. 257; p. 886.
Funnel. O. C. Vettermann. No. 1,287,528; Dec. 10; v. 257; p. 365.
Funnel, Automatic. J. S. Conway. No. 1,286,236; Dec. 3; v. 257; p. 13.
Funnel, Automatic. F. Junek, Jr. No. 1,275,565; Aug. 13; v. 253; p. 367.
Funnel, Automatic. G. O. Sauermann. No. 1,263,810; Apr. 23; v. 249; p. 869.
Funnel, Disappearing. H. S. Welsh. No. 1,256,961; Feb. 19; v. 247; p. 618.
Funnel, Quick-emptying. T. T. Ramey. No. 1,265,381; May 7; v. 250; p. 140.
Funnel-strainer. E. B. House. No. 1,286,639; Dec. 3; v. 257; p. 111.
Fur-cutting machine. E. Biro. No. 1,263,842; Apr. 23; v. 249; p. 878.
Fur-shearing machine and fur-unhairing machine. F. M. Wegner. No. 1,278,537; Sept. 10; v. 254; p. 352.
Fur-skins, Machine for unhairing. O. Dingfeld. No. 1,287,914; Dec. 17; v. 257; p. 493.
Fur-skins pliable, Machine for rendering. R. E. Alpi. No. 1,279,376; Sept. 17; v. 254; p. 608.
Furnace: *See*—
Annealing-furnace.
Baker's furnace.
Blast-furnace.
Boiler-furnace.
Coal-burning furnace.
Distilling-furnace.
Electric furnace.
Electric-resistance furnace.
Electrical furnace.
Electrical induction-furnace.
Floor-furnace.
Forging and annealing furnace.
Gas-furnace.
Glass-furnace.
Glass-drawing furnace.
Heating-furnace.
Heating and soaking furnace.
Hot-air furnace.
Laboratory-furnace.
Liquid-fuel furnace.
Melting-furnace.
Metal-heating furnace.
Metallurgical furnace.
Oil-furnace.
Oil-burning furnace.
Ore-furnace.
Oven-furnace.
Plumber's furnace.
Recuperator-furnace.
Regenerating-furnace.
Regenerative furnace.
Sectional furnace.
Smelting-furnace.
Smelting and refining furnace.
Smoke-consuming furnace.
Tilting furnace.
Tire-heating furnace.
Tungsten-reducing furnace.
Zinc retort-furnace.
Furnace. W. J. Bagot. No. 1,277,356; Sept. 3; v. 254; p. 5.
Furnace. J. E. Bell. No. 1,283,047; Oct. 29; v. 255; p. 928.
Furnace. E. F. Collins. No. 1,281,521; Oct. 15; v. 255; p. 445.
Furnace. S. S. Cornelius. No. 1,261,103; Apr. 2; v. 249; p. 32.
Furnace. I. W. Foltz. No. 1,274,155; July 30; v. 252; p. 1069.
Furnace. G. W. Harris and V. O. Ritchay. No. 1,260,770; Mar. 26; v. 248; p. 919.
Furnace. F. R. Hill. No. 1,283,515; Nov. 5; v. 256; p. 21.
Furnace. M. A. Hofft. No. 1,255,832; Feb. 5; v. 247; p. 207.
Furnace. T. F. F. Lee. No. 1,275,986; Aug. 13; v. 253; p. 485.
Furnace. L. Metesser. No. 1,287,602; Dec. 10; v. 257; p. 383.
Furnace. W. E. Mildner and L. Webster. No. 1,268,037; May 28; v. 250; p. 964.
Furnace. C. D. Mosher. No. 1,289,037; Dec. 24; v. 257; p. 793.
Furnace. A. W. Moyer. No. 1,264,961; May 7; v. 250; p. 24.
Furnace. A. Nilson. No. 1,287,081; Dec. 10; v. 257; p. 255.
Furnace. O. Pendell. No. 1,279,419; Sept. 17; v. 254; p. 619.
Furnace. J. L. Pierce. No. 1,267,264; May 21; v. 250; p. 721.
Furnace. W. S. Ralya. No. 1,271,364; July 2; v. 252; p. 171.
Furnace. N. W. Robinson. No. 1,281,257; Oct. 8; v. 255; p. 342.
Furnace. N. Schoepko. No. 1,271,088; July 2; v. 252; p. 94.
Furnace. E. P. Selden. No. 1,259,913; Mar. 19; v. 248; p. 637.
Furnace. C. H. Sinderson. No. 1,261,306; Apr. 2; v. 249; p. 89.
Furnace. R. M. Spencer. No. 1,278,778; Sept. 10; v. 254; p. 416.
Furnace. F. W. Steere. No. 1,257,649; Feb. 26; v. 247; p. 853.
Furnace. J. S. Tierney. No. 1,269,132; June 11; v. 251; p. 317.
Furnace. G. P. White. No. 1,252,210; Jan. 1; v. 246; p. 223.
Furnace. R. D. Whiting. No. 1,258,843; Mar. 12; v. 248; p. 299.
Furnace. W. T. Wilson. No. 1,262,893; Apr. 16; v. 249; p. 594.
Furnace. R. Ziesing. No. 1,279,486; Sept. 17; v. 254; p. 637.
Furnace. C. Zulver. No. 1,270,679; June 25; v. 251; p. 798.
Furnace. C. Zulver. No. 1,270,680; June 25; v. 251; p. 799.
Furnace and boiler and steam-superheater, Combined. C. B. Forward. No. 1,251,880; Jan. 1; v. 246; p. 132.
Furnace and operating same, Three-phase electric. F. T. Snyder. No. 1,279,928; Sept. 24; v. 254; p. 788.
Furnace-arch. J. S. S. Fulton. No. 1,278,326; Sept. 10; v. 254; p. 295.
Furnace-arch. W. D. Ranney. No. 1,289,262; Dec. 31; v. 257; p. 874.
Furnace-arch. E. F. Tilley, Jr. No. 1,285,469; Nov. 19; v. 256; p. 590.
Furnace-arch construction. M. H. Detrick. No. 1,284,065; Nov. 5; v. 256; p. 165.
Furnace-arch construction. W. Lemb. No. 1,275,709; Aug. 13; v. 253; p. 407.
Furnace attachment. E. J. McMillan. No. 1,259,761; Mar. 19; v. 248; p. 591.
Furnace-casing ring. S. C. Shipman. No. 1,260,722; Mar. 26; v. 248; p. 905.
Furnace-charging apparatus. S. H. Bunnell and C. G. Peterson. No. 1,265,736; May 14; v. 250; p. 266.
Furnace-charging box. J. R. Oakley and O. H. Civitts. No. 1,282,924; Oct. 29; v. 255; p. 893.
Furnace-charging device. E. E. Brosius. No. 1,273,141; July 23; v. 252; p. 756.
Furnace-cleaning door. C. E. Robinson. No. 1,289,917; Dec. 31; v. 257; p. 1036.
Furnace construction. M. H. Detrick. No. 1,284,066; Nov. 5; v. 256; p. 166.
Furnace construction. W. S. Robinson. No. 1,286,114; Nov. 26; v. 256; p. 789.
Furnace contact, Electric-. F. T. Snyder. No. 1,271,093; July 2; v. 252; p. 95.
Furnace-control apparatus, Electric-. A. D. Keene. No. 1,255,613; Feb. 5; v. 247; p. 145.
Furnace-control apparatus, Electric-. J. A. Seede. No. 1,253,732; Jan. 15; v. 246; p. 729.
Furnace-cooling structures, Safety means for. L. S. Schmidt. No. 1,276,420; Aug. 20; v. 253; p. 638.
Furnace-door. J. Borge. No. 1,275,650; Aug. 13; v. 253; p. 391.
Furnace-door. J. R. Hall. No. 1,286,604; Dec. 3; v. 257; p. 102.
Furnace-door attachment. L. D. West. No. 1,267,298; May 21; v. 250; p. 730.
Furnace-door for brick-kilns. S. E. Isgett. No. 1,269,450; June 11; v. 251; p. 405.
Furnace door-frame and door structure. L. L. Knox. No. 1,275,943; Aug. 13; v. 253; p. 472.
Furnace door-frame and the like. L. L. Knox. No. 1,282,864; Oct. 29; v. 255; p. 878.
Furnace-door handle. J. L. Dickinson. No. 1,254,215; Jan. 22; v. 246; p. 886.
Furnace-door stop. L. D. West. No. 1,267,299; May 21; v. 250; p. 730.
Furnace draft and fuel regulator, Automatic. L. M. Schneider. No. 1,275,096; Aug. 6; v. 253; p. 213.
Furnace fire-pots, Casting. J. P. Kolla. No. 1,257,493; Feb. 26; v. 247; p. 807.
Furnace for burning pulverized fuel. J. E. Muhlfeld. No. 1,262,546; Apr. 9; v. 249; p. 467.
Furnace for calcining copper and like ores. J. G. Squire. No. 1,262,126; Apr. 9; v. 249; p. 349.
Furnace for chemical reactions. M. Shoeld. No. 1,274,795; Aug. 6; v. 253; p. 129.
Furnace gas-burner. H. C. Smart. No. 1,288,450; Dec. 17; v. 257; p. 623.
Furnace gas-consumer. A. Graf. No. 1,289,157; Dec. 31; v. 257; p. 847.
Furnace-grate. A. W. Bennis. No. 1,267,172; May 21; v. 250; p. 698.
Furnace-grate. H. O. Dorsey. No. 1,274,147; July 30; v. 252; p. 1067.
Furnace-grate. C. A. Horn. No. 1,261,389; Apr. 2; v. 249; p. 113.
Furnace-grate. H. Mason. No. 1,283,849; Nov. 5; v. 256; p. 108.
Furnace-grate. W. McClave. No. 1,259,646; Mar. 19; v. 248; p. 557.
Furnace-grate. E. W. F. McMillan. No. 1,262,221; Apr. 9; v. 249; p. 377.

Furnace-grate, Automatic. C. A. Horn. No. 1,271,710; July 9; v. 252; p. 301.
Furnace grate-bar. L. W. Fisher. No. 1,282,794; Oct. 29; v. 255; p. 857.
Furnace-grate, Forced-draft. L. H. Simmons. No. 1,270,065; June 18; v. 251; p. 604.
Furnace-grate shaking and dumping device. H. V. Dockray. No. 1,270,126; June 18; v. 251; p. 620.
Furnace-lining. W. C. Ely. No. 1,284,880; Nov. 12; v. 256; p. 402.
Furnace-lining. O. J. T. G. R. Martin. No. 1,271,052; July 2; v. 252; p. 85.
Furnace-lining and making, Refractory. S. B. Newberry. No. 1,267,686; May 28; v. 250; p. 865.
Furnace-lining material and producing same. F. A. Jones. No. 1,251,535; Jan. 1; v. 246; p. 26.
Furnace-poker and clinker-extractor, Combined. H. S. Dailey. No. 1,265,303; May 7; v. 250; p. 118.
Furnace portable coaling device. G. C. Noteman. No. 1,281,640; Oct. 15; v. 255; p. 476.
Furnace-pot-filling apparatus. J. W. Cruikshank. No. 1,261,714; Apr. 2; v. 249; p. 204.
Furnace-regulator. C. H. Stalker. No. 1,267,601; May 28; v. 250; p. 842.
Furnace-repairing means. N. F. Ackerman. No. 1,270,749; June 25; v. 251; p. 816.
Furnace reversing apparatus, Regenerative-. T. S. Blair, Jr. No. 1,269,154; June 11; v. 251; p. 324.
Furnace reversing apparatus, Regenerative-. O. H. Davison. No. 1,269,165; June 11; v. 251; p. 326.
Furnace-roof. P. J. Griffin. No. 1,274,034; July 30; v. 252; p. 1035.
Furnace-roof construction. F. Orth. No. 1,265,493; May 7; v. 250; p. 170.
Furnace self-feeding device. J. T. Turnbull. No. 1,262,876; Apr. 16; v. 249; p. 590.
Furnace shaft, Roasting-. E. J. Fowler. No. 1,278,129; Sept. 10; v. 254; p. 242.
Furnace-shield. J. R. Rishebegar. No. 1,287,104; Dec. 10; v. 257; p. 262.
Furnace slag, Making articles from blast-. J. B. Shaw. No. 1,259,304; Mar. 12; v. 248; p. 429.
Furnace structure. C. D. Mosher. No. 1,260,789; Mar. 26; v. 248; p. 924.
Furnace structure. R. M. Spencer. No. 1,278,777; Sept. 10; v. 254; p. 416.
Furnace-top-burring machine. O. F. Nystrom. No. 1,288,147; Dec. 17; v. 257; p. 552.
Furnace top, Roaster-. R. E. H. Pomeroy. No. 1,251,692; Jan. 1; v. 246; p. 75.
Furnace-wall cooler. L. L. Knox. No. 1,288,925; Dec. 24; v. 257; p. 766.
Furnace-wall structure. D. S. Jacobus. No. 1,275,037; Aug. 6; v. 253; p. 197.
Furnaces and fire-bricks therefor, Constructing. J. W. Kunzler. No. 1,285,244; Nov. 19; v. 256; p. 532.
Furnaces, Automatic grate for steam-boiler or other. A. L. F. Lefevre. No. 1,257,257; Feb. 19; v. 247; p. 703.
Furnaces, Charging device for. J. Hundley. No. 1,280,037; Sept. 24; v. 254; p. 818.
Furnaces, Chill for open-hearth. L. L. Knox. No. 1,251,787; Jan. 1; v. 246; p. 103.
Furnaces, Combustion-accelerator for boiler-. G. W. Wyman. No. 1,271,983; July 9; v. 252; p. 379.
Furnaces, Cooling-mantle for. W. Piernay. No. 1,262,250; Apr. 9; v. 249; p. 385.
Furnaces, Draft-air-heating system for. R. D. McManigal. (Reissue.) No. 14,480; June 4; v. 251; p. 211.
Furnaces, Draft-collecting installation for boiler-. R. Agar. No. 1,267,037; May 21; v. 250; p. 659.
Furnaces, Electrode-holder for electric. P. Fischer. No. 1,259,842; Mar. 19; v. 248; p. 616.
Furnaces, Electrode-holder for electric. S. Steinberg and I. Gramolin. No. 1,280,576; Oct. 1; v. 255; p. 128.
Furnaces, Fuel-support for. W. J. Kunz. No. 1,274,563; Aug. 6; v. 253; p. 64.
Furnaces, Gas burner for. J. F. Schulhoff. No. 1,284,153; Nov. 5; v. 256; p. 189.
Furnaces, Hot-air feed for. W. B. Colegrove. No. 1,254,777; Jan. 29; v. 246; p. 1079.
Furnaces, Liquid-metal-charging car for open-hearth. C. W. McClure and E. J. Reilly. No. 1,273,391; July 23; v. 252; p. 822.
Furnaces, Machine for tapping blast-. B. J. Mullen. No. 1,276,251; Aug. 20; v. 253; p. 589.
Furnaces, Machine for tapping blast-. B. J. Mullen. No. 1,276,252; Aug. 20; v. 253; p. 590.
Furnaces, Material-conveyer for. T. B. Cram. No. 1,272,918; July 16; v. 252; p. 670.
Furnaces, Non-collapsible flat arch for. O. Wundrack. No. 1,266,745; May 21; v. 250; p. 578.
Furnaces, Phase distribution for electric. T. F. Baily and F. T. Cope. No. 1,260,298; Mar. 26; v. 248; p. 779.
Furnaces, Sectional grate for. J. H. Struve. No. 1,283,952; Nov. 5; v. 256; p. 135.
Furnaces, Shaft for roasting-. D. Baird. No. 1,262,432; Apr. 9; v. 249; p. 435.
Furnaces, Smoke-consuming attachment for. E. C. Hock. No. 1,285,178; Nov. 19; v. 256; p. 517.
Furnaces, Water-back construction for. F. A. Hurlbut. No. 1,269,083; June 11; v. 251; p. 304.
Furnaces, Water-cooled front for. L. L. Knox. No. 1,273,233; July 23; v. 252; p. 780.
Furnaces, Water-cooling system for. L. L. Knox. No. 1,273,234; July 23; v. 252; p. 780.
Furniture. J. Close. No. 1,253,214; Jan. 15; v. 246; p. 577.
Furniture. J. F. Walton. No. 1,271,637; July 9; v. 252; p. 281.
Furniture, Article of. C. R. Uhl. No. 1,264,228; Apr. 30; v. 249; p. 1019.
Furniture-clamp. G. E. Kemper. No. 1,280,758; Oct. 8; v. 255; p. 204.
Furniture, Combination. W. Kostrzewa. No. 1,284,710; Nov. 12; v. 256; p. 358.
Furniture, Combination. P. M. Lewis. No. 1,269,102; June 11; v. 251; p. 309.
Furniture, Combination article of. D. G. Perlmutter. No. 1,252,165; Jan. 1; v. 246; p. 211.
Furniture construction. S. G. Menzo. No. 1,272,983; July 16; v. 252; p. 687.
Furniture, Convertible. J. A. Arton. No. 1,281,265; Oct. 15; v. 255; p. 375.
Furniture, Convertible. F. A. Carlson. No. 1,278,589; Sept. 10; v. 254; p. 365.
Furniture, Convertible. A. D. Elliott. No. 1,286,262; Dec. 3; v. 257; p. 19.
Furniture, Convertible. J. R. Gilda. No. 1,260,367; Mar. 26; v. 248; p. 800.
Furniture, Convertible. J. R. Gilda. No. 1,274,532; Aug. 6; v. 253; p. 56.
Furniture, Convertible. W. J. Kelly. No. 1,276,227; Aug. 20; v. 253; p. 583.
Furniture, Convertible. J. B. Perry. No. 1,258,141; Mar. 5; v. 248; p. 56.
Furniture, Convertible. S. J. Strid. No. 1,279,606; Sept. 24; v. 254; p. 695.
Furniture convertible for use as bed, couch, bath-chair, or the like, Piece of. J. L. W. Murray. No. 1,271,515; July 2; v. 252; p. 212.
Furniture, Domestic. A. Heal and H. T. Smith. No. 1,254,499; Jan. 22; v. 246; p. 967.
Furniture, Foldable. H. Henschel. No. 1,283,762; Nov. 5; v. 256; p. 85.
Furniture-joint. J. Herzog. No. 1,282,830; Oct. 29; v. 255; p. 868.
Furniture, Joint structure for metallic. J. Burns. No. 1,258,532; Mar. 5; v. 248; p. 170.
Furniture, Knockdown. J. Herzog. No. 1,286,629; Dec. 3; v. 257; p. 109.
Furniture-leg mount. W. F. Burns. No. 1,278,432; Sept. 10; v. 254; p. 322.
Furniture-leg mount. W. F. Burns. No. 1,278,433; Sept. 10; v. 254; p. 322.
Furniture-leveling base. J. R. Jones. No. 1,255,427; Feb. 5; v. 247; p. 91.
Furniture, Metal. P. M. Wege. No. 1,251,719; Jan. 1; v. 246; p. 82.
Furniture, Revolving platform for apartment. P. L. Cimini. No. 1,278,108; Sept. 10; v. 254; p. 237.
Furniture, School. G. W. Scott. No. 1,280,874; Oct. 8; v. 255; p. 237.
Furniture, Sectional store. A. Vanderveld. No. 1,253,546; Jan. 15; v. 246; p. 675.
Furniture-sections, Connecting means for. E. Morris. No. 1,257,097; Feb. 19; v. 247; p. 656.
Furniture-support, Yielding. O. Sidel. No. 1,273,939; July 30; v. 252; p. 1010.
Furniture, Wicker. F. P. D'Arcy. No. 1,254,315; Jan. 22; v. 246; p. 915.
Furring-nail. A. M. Stine. No. 1,254,740; Jan. 29; v. 246; p. 1067.
Furrow-filler and cultivator. G. Jeffrey. No. 1,254,600; Jan. 22; v. 246; p. 997.
Furrow-openers, Shoe for. C. Flowers. No. 1,263,220; Apr. 16; v. 249; p. 688.
Furrowing-machine. H. E. Howard and J. T. Titsworth. No. 1,276,531; Aug. 20; v. 253; p. 668.
Fuse. H. L. Beck, J. Weible, and J. J. Houlahen. No. 1,274,368; Aug. 6; v. 253; p. 5.
Fuse. H. M. Cogan. No. 1,278,110; Sept. 10; v. 254; p. 237.
Fuse. W. L. Cook. No. 1,255,080; Jan. 29; v. 246; p. 1165.
Fuse. L. W. Downes. No. 1,277,880; Sept. 3; v. 254; p. 152.
Fuse. L. W. Downes and R. C. Patton. No. 1,270,272; June 25; v. 251; p. 686.
Fuse. V. G. Jensen. No. 1,266,479; May 14; v. 250; p. 471.
Fuse. C. S. Price. No. 1,270,867; July 2; v. 252; p. 33.
Fuse. R. Smith. No. 1,261,636; Apr. 2; v. 249; p. 183.
Fuse and the like for grenades, projectiles, land-mines, and the like. W. Mills and W. Morgan. No. 1,262,825; Apr. 16; v. 249; p. 576.
Fuse-block, Secondary. A. F. Sproul. No. 1,262,861; Apr. 16; v. 249; p. 586.
Fuse-cap magazine. F. J. Sheppard. No. 1,286,810; Dec. 3; v. 257; p. 149.
Fuse-cartridge. F. A. Feldkamp. No. 1,268,807; June 4; v. 251; p. 209.
Fuse-cartridge. A. E. Johnson. No. 1,266,599; May 21; v. 250; p. 535.

Fuse, Cartridge-. J. B. Griffith. No. 1,278,911; Sept. 17; v. 254; p. 483.
Fuse, Cartridge-. O. H. Jung. No. 1,275,442; Aug. 13; v. 253; p. 334.
Fuse-clip attachment. A. L. Eustice. No. 1,280,431; Oct. 1; v. 255; p. 88.
Fuse-contacts, Cleaner for. C. B. Stafford. No. 1,252,964; Jan. 8; v. 246; p. 474.
Fuse, Detonating blasting-. G. H. Dormer. No. 1,275,001; Aug. 6; v. 253; p. 187.
Fuse device. E. O. Schweitzer. No. 1,279,020; Sept. 17; v. 254; p. 512.
Fuse device. E. O. Schweitzer and A. Herz. No. 1,265,121; May 7; v. 250; p. 70.
Fuse device. E. O. Schweitzer and A. Herz. No. 1,270,335; June 25; v. 251; p. 705.
Fuse device. E. O. Schweitzer and A. Herz. No. 1,287,462; Dec. 10; v. 257; p. 349.
Fuse, Electric. L. B. Buchanan. No. 1,281,285; Oct. 15; v. 255; p. 380.
Fuse, Electric. J. O. Camp. No. 1,258,186; Mar. 5; v. 248; p. 69.
Fuse, Electric. R. A. Lewis and E. C. Weisgerber. No. 1,262,683; Apr. 16; v. 249; p. 535.
Fuse, Electric. I. Marcus. No. 1,265,223; May 7; v. 250; p. 97.
Fuse, Electric. T. E. Murray. No. 1,252,141; Jan. 1; v. 246; p. 205.
Fuse, Electric. E. L. Ogle. No. 1,276,800; Aug. 27; v. 253; p. 778.
Fuse, Electric. W. W. Walsh. No. 1,275,110; Aug. 6; v. 253; p. 217.
Fuse, Electric safety-. W. O. Snelling. No. 1,288,724; Dec. 24; v. 257; p. 719.
Fuse, Electrical. B. D. Horton. No. 1,280,478; Oct. 1; v. 255; p. 101.
Fuse, Electrical. J. H. Naylor. No. 1,257,100; Feb. 19; v. 247; p. 657.
Fuse for high-explosive shells. K. H. Morén. No. 1,280,521; Oct. 1; v. 255; p. 113.
Fuse-holder. O. H. and A. F. Pieper. No. 1,265,245; May 7; v. 250; p. 103.
Fuse-igniting device. A. J. Strane. No. 1,267,474; May 28; v. 250; p. 806.
Fuse, Inclosed. H. G. Baxter. No. 1,279,968; Sept. 24; v. 254; p. 799.
Fuse, Inclosed electric. R. C. Cole. No. 1,277,044; Aug. 27; v. 253; p. 841.
Fuse, Inclosed safety-. A. L. Eustice. No. 1,270,391; June 25; v. 251; p. 720.
Fuse, Inclosed safety-. A. L. Eustice. No. 1,278,893; Sept. 17; v. 254; p. 478.
Fuse, Inclosed safety-. A. L. Eustice and J. B. Griffith. No. 1,278,322; Sept. 10; v. 254; p. 294.
Fuse-lighter, Electric. E. C. Wood. No. 1,258,075; Mar. 5; v. 248; p. 36.
Fuse-lighter, Portable electric. A. S. Cole. No. 1,262,307; Apr. 9; v. 249; p. 400.
Fuse link, Electric-. R. C. Cole. No. 1,277,045; Aug. 27; v. 253; p. 841.
Fuse, Multiple. L. B. Bennett. No. 1,266,095; May 14; v. 250; p. 368.
Fuse, Multiple blow-out. H. J. Gagnon. No. 1,281,553; Oct. 15; v. 255; p. 453.
Fuse-plug. C. J. Alpaugh. No. 1,277,679; Sept. 3; v. 254; p. 96.
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Fuse-plug. C. L. Dickson. No. 1,262,463; Apr. 9; v. 249; p. 444.
Fuse-plug. J. A. Dugan. No. 1,268,824; June 11; v. 251; p. 232.
Fuse-plug. H. F. Goetz. No. 1,282,566; Oct. 22; v. 255; p. 767.
Fuse-plug. R. A. Schoenberg. No. 1,277,647; Sept. 3; v. 254; p. 88.
Fuse-plug, Electric. T. E. Murray. No. 1,259,268; Mar. 12; v. 248; p. 419.
Fuse-plug, Electric. T. E. Murray. No. 1,270,048; June 18; v. 251; p. 600.
Fuse-plugs, Apparatus for extracting and inserting high-tension. F. Rieber. No. 1,281,069; Oct. 8; v. 255; p. 289.
Fuse-receptacles, Bridging device for. C. A. Bates. No. 1,252,219; Jan. 1; v. 246; p. 225.
Fuse, Refillable. B. L. Spurr and F. A. Tittemore. No. 1,257,418; Feb. 26; v. 247; p. 784.
Fuse, Reloadable. R. C. Patton. No. 1,257,021; Feb. 19; v. 247; p. 636.
Fuse, Renewable cartridge-. J. M. Coote. No. 1,284,247; Nov. 12; v. 256; p. 241.
Fuse, Renewable cartridge-. E. Sabina and L. I. Cope. No. 1,256,043; Feb. 12; v. 247; p. 309.
Fuse, Thermal. C. F. Peckham. No. 1,259,662; Mar. 19; v. 248; p. 562.
Fuse, Time-. B. F. de Casanovas and R. Rubio y Roger. No. 1,253,947; Jan. 15; v. 246; p. 789.
Fuse, Weight-operated mechanical time-. A. Junghans. No. 1,266,687; May 21; v. 250; p. 562.
Fuses, Device for igniting shell-. V. C. Doubleday. No. 1,260,287; Mar. 19; v. 248; p. 742.
Fuses, Making electric. T. E. Murray. No. 1,286,063; Nov. 26; v. 256; p. 777.
Fusee, Signal-. F. H. Miller and R. D. Brown. No. 1,273,260; July 23; v. 252; p. 787.
Fusee-tube-filling machine. G. N. Clark. No. 1,267,183; May 21; v. 250; p. 701.
Fusible link. C. Brisbine. No. 1,272,369; July 16; v. 252; p. 515.
Fusible link. A. J. Gross. No. 1,278,912; Sept. 17; v. 254; p. 483.
Fusible service-protector. C. H. Shoebridge. No. 1,256,066; Feb. 12; v. 247; p. 317.
Fusing-tool. C. B. Schoenman and R. M. Houck. No. 1,259,141; Mar. 12; v. 248; p. 386.
Fuselage-cover. P. G. Zimmermann. No. 1,290,005; Dec. 31; v. 257; p. 1057.
Gaff-hook. P. B. Dean. No. 1,274,013; July 30; v. 252; p. 1028.
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Air-pressure gage.
Battery-gage.
Caliper-gage.
Centering-gage.
Comparator-gage.
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External limit-gage.
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Fluid-pressure gage.
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Liquid-gage.
Liquid depth or amount gage.
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Pressure-relation gage.
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Radiator sight-gage.
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Rivet-gage.
Saw-gage.
Saw-filing gage.
Scriber-gage.
Sewing-machine gage.
Shingle-gage.
Siding or clapboard gage.
Skirt-gage.
Snap-gage.
Spark-gage.
Stair-gage.
Surface-gage.
Tank-gage.
Taper-gage.
Thread-gage.
Tire-gage.
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Gage. H. B. Azadian. No. 1,273,986; July 30; v. 252; p. 1022.
Gage. H. B. Azadian. No. 1,273,987; July 30; v. 252; p. 1022.
Gage. T. C. and J. T. Bevan. No. 1,272,363; July 16; v. 252; p. 513.
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Gage. W. I. Oeschger. No. 1,267,584; May 28; v. 250; p. 837.
Gage. K. Rushton. No. 1,272,856; July 16; v. 252; p. 652.
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Gage. J. M. Spitzglass. No. 1,274,101; July 30; v. 252; p. 1054.
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Gage shield, Fluid-. H. D. Oler. No. 1,268,994; June 11; v. 251; p. 279.
Gaging-machine. H. R. Edgecomb. No. 1,274,698; Aug. 6; v. 253; p. 102.
Gaiter. A. Wolff. No. 1,265,983; May 14; v. 250; p. 336.
Gaiter and puttee. C. E. Warner. No. 1,284,836; Nov. 12; v. 256; p. 390.
Galloping-wheel. M. V. B. Evesson. No. 1,256,454; Feb. 12; v. 247; p. 433.
Galvanic battery. H. H. M. Kammerhoff. No. 1,255,536; Feb. 5; v. 247; p. 123.
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Galvanized iron. J. H. Gravell. No. 1,273,358; July 23; v. 252; p. 813.
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Galvanizing-pot. L. L. Knox. No. 1,282,863; Oct. 29; v. 255; p. 877.
Galvanoplastic method and apparatus. M. M. Merritt. No. 1,282,261; Oct. 22; v. 255; p. 685.
Galvanoplastic process and product. M. M. Merritt. No. 1,282,269; Oct. 22; v. 255; p. 687.
Galvanoplastic process and product "A." M. M. Merritt. No. 1,282,266; Oct. 22; v. 255; p. 686.
Galvanoplastic process and product "B." M. M. Merritt. No. 1,282,267; Oct. 22; v. 255; p. 686.
Gambrel. F. C. Baars. No. 1,265,722; May 14; v. 250; p. 261.
Gambrel. O. L. Gooch. No. 1,259,012; Mar. 12; v. 248; p. 349.
Game. F. J. Anderson. No. 1,257,779; Feb. 26; v. 247; p. 892.
Game. F. G. Barkow. No. 1,253,202; Jan. 15; v. 246; p. 573.
Game. A. C. Barnes. No. 1,276,475; Aug. 20; v. 253; p. 653.
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Game. J. W. Braunschweiler. No. 1,275,210; Aug. 13; v. 253; p. 270.
Game. M. B. De Nazaris. No. 1,267,316; May 21; v. 250; p. 735.
Game. B. Dickenson. No. 1,260,879; Mar. 26; v. 248; p. 948.
Game. O. C. Ehrenhardt and A. Berent. No. 1,265,761; May 14; v. 250; p. 273.
Game. N. E. Gagnon. No. 1,262,768; Apr. 16; v. 249; p. 560.
Game. F. H. Gathercoal. No. 1,284,308; Nov. 12; v. 256; p. 259.
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Game. C. Koprinski. No. 1,256,575; Feb. 19; v. 247; p. 504.
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Game. R. Sato. No. 1,277,263; Aug. 27; v. 253; p. 900.
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Game. J. H. Sharp. No. 1,264,984; May 7; v. 250; p. 31.
Game. A. M. Shattuck. No. 1,269,323; June 11; v. 251; p. 372.
Game. E. C. Simcox. No. 1,282,964; Oct. 29; v. 255; p. 905.
Game. F. W. Stotler. No. 1,257,045; Feb. 19; v. 247; p. 642.
Game. W. Straight. No. 1,281,094; Oct. 8; v. 255; p. 296.
Game. H. L. Watkins. No. 1,275,805; Aug. 13; v. 253; p. 435.
Game. C. West. No. 1,284,513; Nov. 12; v. 256; p. 309.
Game. J. Whitmore. No. 1,254,380; Jan. 22; v. 246; p. 934.
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Game and toy apparatus. B. M. Whiteker No. 1,282,342; Oct. 22; v. 255; p. 707.
Game apparatus. P. W. Amlie. No. 1,279,634; Sept. 24; v. 254; p. 702.
Game apparatus. G. C. Anderson. No. 1,269,995; June 18; v. 251; p. 586.
Game apparatus. H. P. Anderson. No. 1,254,958; Jan. 29; v. 246; p. 1132.
Game apparatus. G. H. Bailey. No. 1,257,174; Feb. 19; v. 247; p. 678.
Game apparatus. J. W. Baker and G. H. Parker. No. 1,286,491; Dec. 3; v. 257; p. 77.
Game apparatus. W. E. Blackburn. No. 1,279,637; Sept. 24; v. 254; p. 703.
Game apparatus. G. J. Bolton. No. 1,254,767; Jan. 29; v. 246; p. 1076.
Game apparatus. T. W. Branch. No. 1,273,024; July 16; v. 252; p. 698.
Game apparatus. W. T. Brooks. No. 1,274,135; July 30; v. 252; p. 1063.
Game apparatus. H. M. Charlesworth. No. 1,279,654; Sept. 24; v. 254; p. 709.
Game apparatus. W. T. Clinger. No. 1,257,674; Feb. 26; v. 247; p. 860.
Game apparatus. O. N. Crafts. No. 1,288,841; Dec. 24; v. 257; p. 745.
Game apparatus. C. L. Crouse. No. 1,277,391; Sept. 3; v. 254; p. 16.
Game apparatus. J. W. Cuthbert. No. 1,251,481; Jan. 1; v. 246; p. 9.
Game apparatus. R. T. Daily. No. 1,287,903; Dec. 17; v. 257; p. 491.
Game apparatus. J. W. Darby. No. 1,272,014; July 9; v. 252; p. 387.
Game apparatus. C. E. Dellenbarger. No. 1,282,386; Oct. 22; v. 255; p. 719.
Game apparatus. J. G. Ebner and H. L. Giesman. No. 1,271,551; July 9; v. 252; p. 257.
Game apparatus. F. H. Ellison. No. 1,253,471; Jan. 15; v. 246; p. 655.
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Game apparatus. C. W. Hamel. No. 1,252,691; Jan. 8; v. 246; p. 395.
Game apparatus. E. Heckmann. No 1,267,220; May 21; v. 250; p. 711.
Game apparatus. S. E. Kelley. No. 1,269,941; June 18; v. 251; p. 573.
Game apparatus. J. A. Lacasse. No. 1,273,381; July 23; v. 252; p. 819.
Game apparatus. H. Lindenberg, Jr. No. 1,262,218; Apr. 9; v. 249; p. 376.
Game apparatus. J. MacCormack. No. 1,259,888; Mar. 19; v. 248; p. 629.
Game apparatus. H. M. Mannheimer. No. 1,263,334; Apr. 16; v. 249; p. 717.
Game apparatus. I. Marks. No. 1,262,821; Apr. 16; v. 249; p. 574.
Game apparatus. W. A. McCoy. No. 1,268,741; June 4; v. 251; p. 189.
Game apparatus. M. F. McGowan. No. 1,274,178; July 30; v. 252; p. 1075.
Game apparatus. S. A. Mischanski. No. 1,276,676; Aug. 20; v. 253; p. 707.
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Game device. S. Schuyler. No. 1,288,695; Dec. 24; v. 257; p. 712.
Game apparatus. H. E. Small. No. 1,279,465; Sept. 17; v. 254; p. 631.
Game apparatus. R. E. Smither. No. 1,286,439; Dec. 3; v. 257; p. 63.
Game apparatus. A. E. Strade. No. 1,281,093; Oct. 8; v. 255; p. 296.
Game apparatus. G. Trippe. No. 1,282,149; Oct. 22; v. 255; p. 655.
Game apparatus. R. Walter. No. 1,256,400; Feb. 12; v. 247; p. 418.
Game apparatus, Ball-release for. G. L. Chatfield. No. 1,270,595; June 25, v. 251; p. 776.
Game apparatus, Base-ball-. H. T. Buck. No. 1,283,653; Nov. 5; v. 256; p. 57.
Game apparatus, Base-ball-. E. M. Watkins. No. 1,269,886; June 18; v. 251; p. 559.
Game apparatus, Put-ball-. W. H. J. Downey. No. 1,262,314; Apr. 9; v. 249; p. 401.
Game-ball and making same. B. H. Blocksom. No. 1,277,368; Sept. 3; v. 254; p. 9.
Game, Base-ball. C. W. Lewis. No. 1,276,777; Aug. 27; v. 253; p. 772.
Game-board. W. Bauch. No. 1,252,234; Jan. 8; v. 246; p. 350.
Game-board. G. Dewante. No. 1,262,312; Apr. 9; v. 249; p. 401.
Game-board. J. L. Hayes. No. 1,279,691; Sept. 24; v. 254; p. 719.

Game-board. C. B. Sigler. No. 1,268,397; June 4; v. 251; p. 93.
Game-board. E. J. Simpson. No. 1,269,560; June 11; v. 251; p. 434.
Game-board, Folding pocket. A. C. Recker. No. 1,266,857; May 21; v. 250; p. 607.
Game-boards, Forming folded inserts for. E. J. Granger. No. 1,260,767; Mar. 26; v. 248; p. 918.
Game, Card. A. E. Cramer. No. 1,263,860; Apr. 23; v. 249; p. 883.
Game, Card. J. W. Huff and L. M. Horner. No. 1,259,987; Mar. 19; v. 248; p. 659.
Game-counter. D. L. Murchay. No. 1,271,927; July 9; v. 252; p. 361.
Game device. J. W. Baker. No. 1,286,492; Dec. 3; v. 257; p. 77.
Game device. A. E. Downe. No. 1,280,424; Oct. 1; v. 255; p. 86.
Game device. W. J. Kennedy. No. 1,279,121; Sept. 17; v. 254; p. 537.
Game device. E. W. McCarroll. No. 1,283,833; Nov. 5; v. 256; p. 104.
Game device. G. H. Parker. No. 1,265,497; May 7; v. 250; p. 171.
Game device. S. Schuyler. No. 1,252,957; Jan. 8; v. 246; p. 472.
Game device. F. D. Spotswood. No. 1,272,553; July 16; v. 252; p. 563.
Game device, Base-ball-. F. J. Clark. No. 1,268,436; June 4; v. 251; p. 105.
Game-exhibiting device. W. G. Ashley. No. 1,280,630; Oct. 8; v. 255; p. 169.
Game, Flag. H. Schlirf. No. 1,253,891; Jan. 15; v. 246; p. 774.
Game, Foldable. W. Zarling. No. 1,270,359; June 25; v. 251; p. 710.
Game, Four-leaf-clover. N. A. Wepler. No. 1,270,675; June 25; v. 251; p. 797.
Game-indicator. F. T. Ellithorpe. No. 1,253,479; Jan. 15; v. 246; p. 657.
Game means, Card-. W. E. Cook. No. 1,271,856; July 9; v. 252; p. 341.
Game, Military. R. Ishida. No. 1,265,085; May 7; v. 250; p. 60.
Game of cards. C. E. Hopkins. No. 1,287,317; Dec. 10; v. 257; p. 314.
Game or puzzle. M. Jones. No. 1,289,471; Dec. 31; v. 257; p. 926.
Game, Parlor-golf. R. A. Peacock. No. 1,260,026; Mar. 19; v. 248; p. 671.
Game, Puzzle. E. V. and M. Wetzel. No. 1,257,432; Feb. 26; v. 247; p. 788.
Game-table, Folding. F. Johnson and B. M. Applebee. No. 1,266,125; May 14; v. 250; p. 376.
Game-trap. J. C. Ramsey. No. 1,279,943; Sept. 17; v. 254; p. 623.
Game, War. T. J. Burke. No. 1,257,069; Feb. 19; v. 247; p. 648.
Game, War. H. L. McNeight. No. 1,281,040; Oct. 8; v. 255; p. 280.
Gang die-press. H. C. H. Walsh. No. 1,288,316; Dec. 17; v. 257; p. 591.
Gang-drill for cutting coal. D. B. Stauft. No. 1,270,231; June 18; v. 251; p. 648.
Gang-drill for subaqueous excavation. R. G. Packard. No. 1,265,494; May 7; v. 250; p. 170.
Gang setting-machine. E. D. Simons. No. 1,255,825; Feb. 5; v. 247; p. 205.
Garage. F. B. Hall. No. 1,288,567; Dec. 24; v. 257; p. 680.
Garage-door, Automatic. F. S. Peterson. No. 1,275,594; Aug. 13; v. 253; p. 374.
Garage-heater. J. S. Walker and S. N. Wilcox. No. 1,284,830; Nov. 12; v. 256; p. 389.
Garbage, Apparatus for extracting grease and oil from. C. Edgerton. No. 1,260,887; Mar. 26; v. 248; p. 949.
Garbage-burner. G. C. Andrews. No. 1,284,971; Nov. 19; v. 256; p. 462.
Garbage-burners, Grate for. J. A. Ross. No. 1,268,492; June 4; v. 251; p. 121.
Garbage-can. G. Denzer. No. 1,251,870; Jan. 1; v. 246; p. 129.
Garbage-can. J. Losoney. No. 1,251,984; Jan. 1; v. 246; p. 160.
Garbage-can and trap, Combined. J. Jones. No. 1,276,770; Aug. 27; v. 253; p. 770.
Garbage-can, Odorless. R. E. Evenson. No. 1,283,710; Nov. 5; v. 256; p. 71.
Garbage collector and receiver. G. C. Cheek. No. 1,279,258; Sept. 17; v. 254; p. 574.
Garbage disposal. E. C. Wallace and S. C. Prescott. No. 1,260,103; Mar. 19; v. 248; p. 691.
Garbage-incinerator. N. C. Johnson. No. 1,257,359; Feb. 26; v. 247; p. 767.
Garbage-incinerator. G. E. Schneider. No. 1,282,638; Oct. 22; v. 255; p. 787.
Garbage into food, Converting. W. H. Faust. No. 1,254,317; Jan. 22; v. 246; p. 916.
Garbage plant, Portable. H. Lammertz. No. 1,259,248; Mar. 12; v. 248; p. 413.
Garbage-receptacle. A. Nusbaum. No. 1,284,133; Nov. 5; v. 256; p. 184.
Garbage-receptacle. F. W. Royster. No. 1,263,604; Apr. 23; v. 249; p. 814.
Garbage-receptacle, Hygienic. I. Mandel. No. 1,253,620; Jan. 15; v. 246; p. 696.
Garbage-receptacle, Odorless. C. E. Lucas. No. 1,286,368; Dec. 3; v. 257; p. 46.
Garbage-receptacle, Odorless. E. J. Warren. No. 1,265,148; May 7; v. 250; p. 77.
Garden and lawn rake. E. Krebs. No. 1,262,811; Apr. 16; v. 249; p. 572.
Garden implement. E. A. Jones. No. 1,279,704; Sept. 24; v. 254; p. 723.
Garden implement. D. Neuman. No. 1,284,752; Nov. 12; v. 256; p. 369.
Garden implements or the like, Propelling attachment for. G. C. Tucker. No. 1,278,399; Sept. 10; v. 254; p. 314.
Garden shears, pruner, and the like. R. J. Southwood. No. 1,254,284; Jan. 22; v. 246; p. 906.
Garden-tool. J. O. Root. No. 1,261,626; Apr. 2; v. 249; p. 180.
Garden-tool. H. C. Strack. No. 1,252,627; Jan. 8; v. 246; p. 377.
Garden-tool, Combination. T. Cremers. No. 1,266,921; May 21; v. 250; p. 626.
Garden-tool handle. C. Staaff and J. G. Janson. No. 1,262,862; Apr. 16; v. 249; p. 586.
Garden-tool, Interchangeable. J. De Falco. No. 1,273,464; July 23; v. 252; p. 842.
Gardener's instrument, Landscape-. R. N. Berg. No. 1,278,575; Sept. 10; v. 254; p. 361.
Gardening-frame. E. A. Velde. No. 1,268,649; June 4; v. 251; p. 166.
Gardening implement. A. M. Lasister. No. 1,259,530; Mar. 19; v. 248; p. 526.
Gardening operations, Implement or device for use in. J. P. Oldroyd. No. 1,266,523; May 14; v. 250; p. 484.
Garment. J. Antonelli. No. 1,276,854; Aug. 27; v. 253; p. 792.
Garment. C. R. Bradley and S. C. Smith. No. 1,285,917; Nov. 26; v. 256; p. 742.
Garment. S. A. Carlson. No. 1,281,290; Oct. 15; v. 255; p. 381.
Garment. B. R. and P. E. Charles. No. 1,272,332; July 9; v. 252; p. 477.
Garment. P. Z. Copenhafer. No. 1,280,963; Oct. 8; v. 255; p. 259.
Garment. L. J. Critcher. No. 1,283,092; Oct. 29; v. 255; p. 940.
Garment. A. M. Fuhr. No. 1,266,115; May 14; v. 250; p. 374.
Garment. O. Kenzy. No. 1,265,089; May 7; v. 250; p. 61.
Garment. B. J. Lavign. No. 1,287,354; Dec. 10; v. 257; p. 324.
Garment. S. and A. Leszczynski. No. 1,278,693; Sept. 10; v. 254; p. 395.
Garment. D. C. O'Shea. No. 1,255,559; Feb. 5; v. 247; p. 130.
Garment. D. C. O'Shea. No. 1,255,560; Feb. 5; v. 247; p. 130.
Garment. G. W. Pease. No. 1,255,333; Feb. 5; v. 247; p. 63.
Garment. G. W. Pease. No. 1,255,334; Feb. 5; v. 247; p. 63.
Garment. G. W. Pease. No. 1,272,706; July 16; v. 252; p. 609.
Garment. G. W. Pease. No. 1,273,532; July 23; v. 252; p. 860.
Garment. C. C. Plumer. No. 1,280,537; Oct. 1; v. 255; p. 117.
Garment. P. Sangoff. No. 1,285,405; Nov. 19; v. 256; p. 573.
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Garment. C. B. Shane. No. 1,252,188; Jan. 1; v. 246; p. 217.
Garment. F. H. Sprague. No. 1,261,863; Apr. 9; v. 249; p. 278.
Garment. L. Strauss. No. 1,252,054; Jan. 1; v. 246; p. 181.
Garment, Adjustable. A. Fuerst. No. 1,251,996; Jan. 1; v. 246; p. 163.
Garment, Aeronautical. J. Bakos. No. 1,254,110; Jan. 22; v. 246; p. 856.
Garment and belt therefor. L. J. Scheinman. No. 1,286,798; Dec. 3; v. 257; p. 146.
Garment and other fastener. R. J. McBreen. No. 1,289,493; Dec. 31; v. 257; p. 932.
Garment and the like fastener. E. S. Bradbury. No. 1,273,725; July 23; v. 252; p. 910.
Garment, Bullet-proof. W. Eimer. No. 1,268,223; June 4; v. 251; p. 44.
Garment, Buoyant. J. S. Stockman. No. 1,267,140; May 21; v. 250; p. 689.
Garment, Child's. M. T. Verde. No. 1,255,491; Feb. 5; v. 247; p. 109.
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Garment, Combination-. J. I. McDonald. No. 1,269,945; June 18; v. 251; p. 573.
Garment, Combination-. E. Oppenheim. No. 1,254,630; Jan. 22; v. 246; p. 1005.
Garment, Combination-. A. Sollen. No. 1,285,444; Nov. 19; v. 256; p. 584.
Garment, Convertible. E. M. H. Webb. No. 1,267,944; May 28; v. 250; p. 940.
Garment-cutter's clamp. L. Ellenbogen. No. 1,289,416; Dec. 31; v. 257; p. 913.
Garment, Double-breasted. A. Warshauer. No. 1,252,750; Jan. 8; v. 246; p. 413.
Garment-fastener. J. J. Brell. No. 1,281,904; Oct. 15; v. 255; p. 548.
Garment-fastener. H. Christiansen. No. 1,270,494; June 25; v. 251; p. 749.
Garment-fastener. N. C. Edwards. No. 1,279,525; Sept. 24; v. 254; p. 671.
Garment-fastener. W. J. Galt, Jr. No 1,265,769; May 14; v. 250; p. 276.
Garment-fastener. P. R. Gruber and M. Selig. No. 1,278,457; Sept. 10; v. 254; p. 329.
Garment-fastener. E. E. Hougen. No. 1,260,383; Mar. 26; v. 248; p. 805.
Garment-fastener. E. K. Lathrop. No. 1,278,689; Sept. 10; v. 254; p. 394.
Garment-fastener. R. J. McBreen. No. 1,281,617; Oct. 15; v. 255; p. 470.
Garment-fastener. R. J. McBreen. No. 1,289,494; Dec. 31; v. 257; p. 932.
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Garment-fastener. M. Von Frieling. No. 1,256,463; Feb. 12; v. 247; p. 435.
Garment-fastener. H. H. West. No. 1,289,024; Dec. 24; v. 257; p. 790.
Garment-fastener holder. E. Kramer. No. 1,274,282; July 30; v. 252; p. 1105.
Garment-fastener stud. R. J. McBreen. No. 1,289,495; Dec. 31; v. 257; p. 932.
Garment, Flesh-reducing. T. W. Rogers. No. 1,264,977; May 7; v. 250; p. 29.
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Garment-hanger. A. Goldberg. No. 1,282,216; Oct. 22; v. 255; p. 672.
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Garment-hanger. F. L. Hare. No. 1,263,235; Apr. 16; v. 249; p. 691.
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Garment-hanger. O. Sperling. No. 1,284,805; Nov. 12; v. 256; p. 382.
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Garment-hanger fixture, Foldable. G. H. Wheary. No. 1,262,606; Apr. 9; v. 249; p. 485.
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Garment-holder. J. Nevsky. No. 1,255,555; Feb. 5; v. 247; p. 129.
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Garment-pin. F. Holke. No. 1,259,017; Mar. 12; v. 248; p. 350.
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Garment, Protective. H. M. Greene. No. 1,263,553; Apr. 23; v. 249; p. 801.
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Garment-supporter. N. Kaplan. No. 1,284,704; Nov. 12; v. 256; p. 356.
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Garment, Woman's work and sport. H. L. Ochsner. No. 1,265,492; May 7; v. 250; p. 170.
Garments, Cleaning. M. E. Messer. No. 1,271,599; July 9; v. 252; p. 269.
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Garter, Man's. H. C. Rood. No. 1,270,057; June 18; v. 251; p. 602.
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Gas and air mixer and controller, Combined. C. D. Robb. No. 1,286,784; Dec. 3; v. 257; p. 143.
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Gas-bells of acetylene-generators, Air-release cap for. T. Olinger. No. 1,283,875; Nov. 5; v. 256; p. 116.
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Gas-burner. A. L. Bailey. No. 1,286,493; Dec. 3; v. 257; p. 77.
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Gas-burner. W. H. Cain. No. 1,279,250; Sept. 17; v. 254; p. 572.
Gas-burner. R. E. Campbell. No. 1,262,014; Apr. 9; v. 249; p. 319.
Gas-burner. J. E. Coleman. No. 1,281,138; Oct. 8; v. 255; p. 308.
Gas-burner. C. N. Cross. No. 1,281,300; Oct. 15; v. 255; p. 384.
Gas-burner. J. E. Davis. No. 1,258,993; Mar. 12; v. 248; p. 343.
Gas-burner. H. J. Freyn. No. 1,282,802; Oct. 29; v. 255; p. 860.
Gas-burner. R. V. Howes. No. 1,283,776; Nov. 5; v. 256; p. 88.
Gas-burner. C. J. Johnson. No. 1,281,971; Oct. 15; v. 255; p. 564.
Gas-burner. T. R. Kennedy. No. 1,285,733; Nov. 26; v. 256; p. 696.
Gas-burner. W. B. King. No. 1,253,604; Jan. 15; v. 246; p. 691.
Gas-burner. S. Martoccio. No. 1,261,418; Apr. 2; v. 249; p. 121.
Gas-burner. J. P. Morley and G. W. Kite, Jr. No. 1,257,010; Feb. 19; v. 247; p. 633.
Gas-burner. T. G. Palmer. No. 1,253,091; Jan. 8; v. 246; p. 513.
Gas-burner. J. W. Piatt. No. 1,267,448; May 28; v. 250; p. 799.
Gas-burner. G. E. Pickup. No. 1,260,442; Mar. 26; v. 248; p. 821.
Gas-burner. J. S. Reynolds. No. 1,287,437; Dec. 10; v. 257; p. 343.
Gas-burner. F. C. Ronk. No. 1,282,464; Oct. 22; v. 255; p. 739.
Gas-burner. W. F. Stewart. No. 1,269,333; June 11; v. 251; p. 374.
Gas-burner. F. D. Wheeler. No. 1,285,512; Nov. 19; v. 256; p. 600.
Gas-burner, Adjustable laboratory. J. T. and C. W. Kemper. No. 1,262,354; Apr. 9; v. 249; p. 414.
Gas-burner, Atmospheric. W. Hooker. No. 1,272,263; July 9; v. 252; p. 457.
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Gas burner, Natural-. Z. H. Brown. No. 1,253,781; Jan. 15; v. 246; p. 743.
Gas-burner regulator, Oil-. C. E. Crane. No. 1,253,578; Jan. 15; v. 246; p. 685.
Gas-burner, Sheet-metal. J. R. Shanklin. No. 1,278,037; Sept. 3; v. 254; p. 192.
Gas-burner stove attachment. H. O. Messner. No. 1,286,706; Dec. 3; v. 257; p. 126.
Gas-burner with gas and air controlling means. E. W. Vest. No. 1,259,936; Mar. 19; v. 248; p. 644.
Gas-burners, Automatic cut-off for. L. W. Edwards. No. 1,254,586; Jan. 22; v. 246; p. 992.
Gas-burners, Automatic cut-out for. J. A. L. Deters. No. 1,267,519; May 28; v. 250; p. 818.
Gas-burners, Gas and air mixer for. W. C. Buell, Jr. No. 1,289,383; Dec. 31; v. 257; p. 904.
Gas-burners, Pilot for. M. M. Diluchio. No. 1,272,780; July 16; v. 252; p. 629.
Gas-burning apparatus. C. Ellis. No. 1,256,301; Feb. 12; v. 247; p. 387.
Gas-burning heater. L. C. Bader. No. 1,269,517; June 11; v. 251; p. 423.
Gas-burning heating systems, Automatic control means for. B. A. Schroder. No. 1,280,872; Oct. 8; v. 255; p. 236.
Gas by a liquid, Apparatus for absorbing a fixed quantity of. G. Braam. No. 1,256,291; Feb. 12; v. 247; p. 384.
Gas cartridge, Hydrocarbon-. L. Wolf. No. 1,265,574; May 7; v. 250; p. 191.
Gas-cleaner. J. Ruddiman. No. 1,254,438; Jan. 22; v. 246; p. 950.
Gas-collecting device, Waste-. G. C. Newlum. No. 1,277,997; Sept. 3; v. 254; p. 182.
Gas combustion, Apparatus for. H. R. Maxon. No. 1,262,078; Apr. 9; v. 249; p. 336.
Gas-compressing apparatus. E. T. Williams. No. 1,265,981; May 14; v. 250; p. 336.
Gas-compression plant. A. Heane. No. 1,268,840; June 11; v. 251; p. 237.
Gas-compressor. L. N. Udell. No. 1,260,100; Mar. 19; v. 248; p. 691.
Gas-consumer, Over-fire. O. Gerlach. No. 1,277,903; Sept. 3; v. 254; p. 158.
Gas control, Automatic. W. C. Stanley. No. 1,282,135; Oct. 22; v. 255; p. 651.
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Gas cut-off, Automatic. J. Brombacher. No. 1,273,574; July 23; v. 252; p. 871.
Gas cut-off for buildings. F. Eitapenc. No. 1,270,389; June 25; v. 251; p. 719.
Gas-cylinder, Protected. J. A. Steinmetz. No. 1,282,484; Oct. 22; v. 255; p. 745.
Gas-drier. H. A. Brassert. No. 1,264,263; Apr. 30; v. 249; p. 1028.
Gas-drier. J. Kennedy. No. 1,280,043; Sept. 24; v. 254; p. 819.
Gas-drier. C. A. Pfanstiehl. No. 1,281,064; Oct. 8; v. 255; p. 287.
Gas-engine. P. Calabro. No. 1,271,431; July 2; v. 252; p. 189.
Gas-engine. R. M. Day. No. 1,253,159; Jan. 8; v. 246; p. 533.
Gas-engine. A. Y. Edwards. No. 1,257,469; Feb. 26; v. 247; p. 800.
Gas-engine. L. M. Ellis. No. 1,265,891; May 14; v. 250; p. 310.
Gas-engine. H. J. Hick. No. 1,285,998; Nov. 26; v. 256; p. 762.
Gas-engine. J. J. Hogan. No. 1,253,599; Jan. 15; v. 246; p. 690.
Gas-engine. H. H. Hood. No. 1,266,270; May 14; v. 250; p. 416.
Gas-engine. J. L. Lovell. No. 1,275,278; Aug. 13; v. 253; p. 288.
Gas-engine. E. Norrbom. No. 1,281,196; Oct. 8; v. 255; p. 325.
Gas-engine. J. M. O'Brien. No. 1,283,276; Oct. 29; v. 255; p. 987.
Gas-engine. J. Remmen. No. 1,286,776; Dec. 3; v. 257; p. 141.
Gas-engine. C. G. Sprado. No. 1,279,774; Sept. 24; v. 254; p. 743.
Gas-engine. L. E. Van Hise. No. 1,284,826; Nov. 12; v. 256; p. 387.
Gas-engine. M. L. Williams. No. 1,261,085; Apr. 2; v. 249; p. 27.
Gas-engine. M. L. Williams and S. E. Witt. No. 1,268,522; June 4; v. 251; p. 129.
Gas-engine humidifier. R. B. Benjamin. No. 1,280,643; Oct. 8; v. 255; p. 172.
Gas-engine humidifier. R. S. Whitney. No. 1,289,026; Dec. 24; v. 257; p. 791.
Gas-engine muffler attachment. D. S. Cook and J. P. Fink. No. 1,287,239; Dec. 10; v. 257; p. 295.
Gas-engine primer. W. T. Bintliff. No. 1,286,512; Dec. 3; v. 257; p. 82.

Gas-engine, Rotary. H. Föttinger. No. 1,256,674; Feb. 19; v. 247; p. 533.
Gas-engine, Rotary. P. M. Freer. No. 1,272,791; July 16; v. 252; p. 633.
Gas-engine, Rotary. H. J. Gauthier. No. 1,268,561; June 4; v. 251; p. 139.
Gas-engine, Rotary. C. C. Smiley. No. 1,275,619; Aug. 13; v. 253; p. 382.
Gas-engine, Rotary-valve. H. M. Crowther. No. 1,272,630; July 16; v. 252; p. 587.
Gas-engine, Rotary-valve. J. W. Nance. No. 1,267,787; May 28; v. 250; p. 894.
Gas-engine starting device. F. W. Rowbottom. No. 1,284,461; Nov. 12; v. 256; p. 297.
Gas-engines, Automatic air-controlling device for. W. H. Guthrie. No. 1,279,685; Sept. 24; v. 254; p. 718.
Gas, Extraction and recovery of vaporous and gaseous constituents from coal-. R. Lessing. No. 1,281,597; Oct. 15; v. 255; p. 465.
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Gas for inflating life-preserving belts, pneumatic tires, and other purposes, Cartridge containing compressed or liquefied. W. G. Brokaw. No. 1,264,003; Apr. 23; v. 249; p. 923.
Gas-furnace. R. M. G. Phillips. (Reissue.) No. 14,557; Nov. 26; v. 256; p. 810.
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Gas-heater. G. E. Sharpe. No. 1,285,425; Nov. 19; v. 256; p. 579.
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Gas-lighter. S. E. Guinn. No. 1,280,449; Oct. 1; v. 255; p. 93.
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Gas shut-off for cylinder-presses, Automatic. R. A. Kerley. No. 1,267,420; May 28; v. 250; p. 792.
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Gas to fluids, Apparatus for applying. C. F. Wallace and M. F. Tiernan. No. 1,285,496; Nov. 19; v. 256; p. 596.
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Gas washer-scrubber. J. A. P. Crisfield. No. 1,261,106; Apr. 2; v. 249; p. 33.
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Gases, Apparatus for electrical separation of suspended particles from. W. A. Schmidt and G. C. Roberts. No. 1,251,183; Jan. 1; v. 246; p. 216.
Gases, Apparatus for gasifying liquid. F. Lévy. No. 1,283,823; Nov. 5; v. 256; p. 101.
Gases, Apparatus for segregating and recovering. U. Wedge and F. A. Eustis. No. 1,260,493; Mar. 26; v. 248; p. 837.
Gases, Apparatus for subjecting subdivided solid materials to the action of a current of. E. B. Kirby. No. 1,281,585; Oct. 15; v. 255; p. 462.
Gases, Art of and apparatus for treatment of corrosive. F. A. Eustis. No. 1,265,893; May 14; v. 250; p. 311.
Gases, Burner-tip for acetylene or other hydrocarbon. A. L. Hansen. No. 1,280,214; Oct. 1; v. 255; p. 28.
Gases, Cooling and condensing. I. Hechenbleikner. No. 1,264,511; Apr. 30; v. 249; p. 1097.
Gases, Device for causing combustion of furnace-. G. P. Brown. No. 1,287,864; Dec. 17; v. 257; p. 480.
Gases, Evacuation and compression of. E. S. G. Rees. No. 1,252,178; Jan. 1; v. 246; p. 215.
Gases from electric furnaces, Condensing. I. Hechenbleikner. No. 1,264,510; Apr. 30; v. 249; p. 1097.
Gases in electric furnaces, Treatment of. E. Edwin. No. 1,263,389; Apr. 23; v. 249; p. 754.
Gases in electric furnaces, Treatment of. E. Edwin. No. 1,263,390; Apr. 23; v. 249; p. 754.
Gases, Manufacturing. H. T. Freuler. No. 1,286,577; Dec. 3; v. 257; p. 96.
Gases, Means for distributing. R. La France. No. 1,277,607; Sept. 3; v. 254; p. 76.
Gases, Method and apparatus for segregating and recovering. F. A. Eustis. No. 1,265,892; May 14; v. 250; p. 311.
Gases, Method and apparatus for testing. F. Haber and R. Leiser. No. 1,269,599; June 18; v. 251; p. 478.
Gases, Method of and apparatus for conveying and absorbing. H. A. Frasch. No. 1,282,799; Oct. 29; v. 255; p. 859.
Gases of varying density, Apparatus for and actuated by. J. F. Simniance and J. Abady. No. 1,264,985; May 7; v. 250; p. 31.
Gases, Process and apparatus for the electric-arc treatment of. F. H. A. Wielgolaski. No. 1,287,807; Dec. 17; v. 257; p. 468.
Gases, Process for the quantitative estimation of vapors in. H. S. and M. D. Davis. No. 1,272,922; July 16; v. 252; p. 671.
Gases, Removing suspended solids in. S. Peacock. No. 1,268,486; June 4; v. 251; p. 119.
Gases, Separating materials from. E. R. Knowles. No. 1,273,791; July 23; v. 252; p. 927.
Gases, System for producing volatile. J. A. Carson. No. 1,286,528; Dec. 3; v. 257; p. 85.
Gases to the action of heat and pressure, Apparatus for subjecting. E. E. Somermeier. No. 1,286,135; Nov. 26; v. 256; p. 794.
Gases, Treating. A. C. Morrison. No. 1,273,929; July 30; v. 252; p. 1006.
Gases with liquids, Apparatus for cooling and otherwise treating. A. W. Mathys. No. 1,275,583; Aug. 13; v. 253; p. 372.
Gases with treatment of metalliferous materials, Process and apparatus for utilizing sulfurous. G. C. Westby. No. 1,266,731; May 21; v. 250; p. 573.
Gaseous fuel, Apparatus for generating. H. C. Wade. No. 1,261,463; Apr. 2; v. 249; p. 133.
Gaseous-fuel burner. J. A. and R. B. Kloeb. No. 1,285,232; Nov. 19; v. 256; p. 529.
Gaseous-fuel mixer. A. J. Canova. No. 1,265,047; May 7; v. 250; p. 49.
Gaseous mixtures, Apparatus for burning explosive. C. E. Lucke. No. 1,259,029; Mar. 12; v. 248; p. 354.
Gaseous mixtures, Separation of the constituents of. B. S. Lacy. No. 1,272,059; July 9; v. 252; p. 400.
Gaseous vapor, Method of and means for the production of. G. Rider. No. 1,262,846; Apr. 16; v. 249; p. 582.
Gasolene and compressed air, Apparatus for supplying. H. F. Smothers and E. E. Norquist. No. 1,266,337; May 14; v. 250; p. 433.
Gasolene-burner. H. Parpert, E. Boekenkamp, and L. Stockstrom. No. 1,258,039; Mar. 5; v. 248; p. 27.
Gasolene-burner. E. Reynolds. No. 1,254,277; Jan. 22; v. 246; p. 904.
Gasolene-cleaned garments, Apparatus for drying. E. E. Ehrich. No. 1,256,887; Feb. 19; v. 247; p. 596.
Gasolene-engines, Air-mixer for. D. H. Nash. No. 1,265,484; May 7; v. 250; p. 168.
Gasolene-engines, Fuel-heater for. J. H. Gorman. No. 1,274,707; Aug. 6; v. 253; p. 105.
Gasolene fractions containing aromatic hydrocarbons, Purifying. F. C. Ruff. No. 1,263,289; Apr. 16; v. 249; p. 705.
Gasolene-gage. O. C. Ritz-Woller. No. 1,257,929; Feb. 26; v. 247; p. 935.
Gasolene-indicator. I. W. McBride and O. H. Shade. No. 1,252,912; Jan. 8; v. 246; p. 457.
Gasolene, Making. F. C. Devericks. No. 1,260,970; Mar. 26; v. 248; p. 972.

Gasolene, Manufacturing. J. B. Weir. No. 1,282,338; Oct. 22; v. 255; p. 706.
Gasolene, Producing. J. C. Black. No. 1,275,648; Aug. 13; v. 253; p. 390.
Gasolene rock-drill. R. S. Trott. No. 1,286,152; Nov. 26; v. 256; p. 798.
Gasolene-storage tank. P. G. Koop. No. 1,283,530; Nov. 5; v. 256; p. 25.
Gasolene-tank. W. E. and C. A. Levisay. No. 1,287,362; Dec. 10; v. 257; p. 326.
Gasolene-tank and filler therefor. T. A. Perry. No. 1,259,773; Mar. 19; v. 248; p. 595.
Gasolene-tank filler. J. M. Noel. No. 1,281,815; Oct. 15; v. 255; p. 524.
Gasolene-tank strainer. J. A. Bradshaw. No. 1,253,927; Jan. 15; v. 246; p. 783.
Gasolene-tanks, Alarm device for. A. F. Dodson. No. 1,252,671; Jan. 8; v. 246; p. 390.
Gasolene-tanks, &c., Indicating apparatus for. F. N. Windridge. No. 1,253,324; Jan. 15; v. 246; p. 610.
Gasket and screen combination. H. L. Burr. No. 1,276,171; Aug. 20; v. 253; p. 568.
Gasket-cutter. W. W. Slayback. No. 1,254,544; Jan. 22; v. 246; p. 981.
Gasket, Dispersion-. F. H. Berg, Jr. No. 1,281,899; Oct. 15; v. 255; p. 546.
Gasket-scraper. O. E. Berg. No. 1,289,615; Dec. 31; v. 257; p. 961.
Gaskets and the like, Device for trimming. A. C. V. Malm and F. H. Poorman. No. 1,270,038; June 18; v. 251; p. 598.
Gate: *See*—
Automatic gate.
Automobile-gate.
Bridge-gate.
Coal-handling-jig gate.
Crossing-gate.
Drainage-gate.
Elevator-landing gate.
Entrance-gate.
Farm-gate.
Feeding-gate.
Fence-gate.
Head-gate.
Lifting and swinging gate.
Railway-gate.
Railway cattle-gate.
Railway-crossing gate.
Railway-grade-crossing gate.
Safety-gate.
Screen-gate.
Siphon flume-gate.
Sliding gate.
Vehicle end-gate.
Wagon end-gate.
Water-gate.
Gate. W. F. Bahr. No. 1,281,270; Oct. 15; v. 255; p. 376.
Gate. C. B. Baumgartner. No. 1,273,132; July 23; v. 252; p. 753.
Gate. J. W. Bedient. No. 1,288,804; Dec. 24; v. 257; p. 737.
Gate. A. E. Blunt. No. 1,268,427; June 4; v. 251; p. 102.
Gate. T. L. Fawick. No. 1,257,333; Feb. 26; v. 247; p. 761.
Gate. J. Fusselman. No. 1,276,207; Aug. 20; v. 253; p. 578.
Gate. G. A. Gill. No. 1,289,438; Dec. 13; v. 257; p. 919.
Gate. A. B. Harris. No. 1,264,788; Apr. 30; v. 249; p. 1172.
Gate. O. L. Keys. No. 1,257,082; Feb. 19; v. 247; p. 652.
Gate. V. Miller. No. 1,253,510; Jan. 15; v. 246; p. 666.
Gate. W. Pope. No. 1,255,634; Feb. 5; v. 247; p. 150.
Gate. G. H. Shattuck. No. 1,276,424; Aug. 20; v. 253; p. 639.
Gate. E. Smith. No. 1,257,137; Feb. 19; v. 247; p. 667.
Gate. B. P. Stedman. No. 1,253,742; Jan. 15; v. 246; p. 732.
Gate. H. G. Thomson. No. 1,283,359; Oct. 29; v. 255; p. 1010.
Gate. H. M. Wetherington. No. 1,252,754; Jan. 8; v. 246; p. 414.
Gate. J. H. Wickstrom. No. 1,279,196; Sept. 17; v. 254; p. 558.
Gate. S. O. Widell. No. 1,276,602; Aug. 20; v. 253; p. 688.
Gate and gate-fastening. E. N. Kiger. No. 1,256,805; Feb. 19; v. 247; p. 570.
Gate construction. G. W. and C. E. Goss. No. 1,266,581; May 21; v. 250; p. 530.
Gate-fastener. L. T. Buttolph. No. 1,288,825; Dec. 24; v. 257; p. 742.
Gate-fastener. R. Cummings. No. 1,261,365; Apr. 2; v. 249; p. 107.
Gate-fastener. P. Neiss. No. 1,264,120; Apr. 23; v. 249; p. 953.
Gate fastener and tightener, Wire-. C. B. Jones. No. 1,268,471; June 4; v. 251; p. 115.
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Gate for bins. W. H. Barlow. No. 1,280,368; Oct. 1; v. 255; p. 71.
Gate for slime-thickeners, Discharge-. W. E. Darrow. No. 1,279,845; Sept. 24; v. 254; p. 764.
Gate for subrailways and the like. C. A. West. No. 1,259,060; Mar. 12; v. 248; p. 362.
Gate-frames, Wire-filler-securing means for. W. H. Sommer. No. 1,259,151; Mar. 12; v. 248; p. 388.
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Gate locking and operating machanism. N. W. Rasnick. No. 1,279,000; Sept. 17; v. 254; p. 507.
Gate-locking device. W. G. Henkle. No. 1,253,822; Jan. 15; v. 246; p. 754.
Gate-opener. G. W. Rowe. No. 1,286,117; Nov. 26; v. 256; p. 789.
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Gate-opening device. H. T. Miller. No. 1,277,334; Aug. 27; v. 253; p. 918.
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Gauze for surgical dressings, &c., Apparatus for folding. L. H. Miller. No. 1,268,596; June 4; v. 251; p. 150.
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Gear actuating and locking mechanism. F. J. Todd. No. 1,274,471; Aug. 6; v. 253; p. 37.
Gear, blank for gears, rolls, &c., and manufacturing the same. E. J. Guay. No. 1,275,906; Aug. 13; v. 253; p. 462.
Gear-casing. E. R. Knight. No. 1,279,711; Sept. 24; v. 254; p. 724.
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Gear, Change-speed. R. M. Ruck. No. 1,277,130; Aug. 27; v. 253; p. 866.
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Gear-cutting machine. C. A. Parsons, A. Q. Carnegie, and S. S. Cook. No. 1,274,585; Aug. 6; v. 253; p. 70.
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Gear-shifting mechanism. E. E. Gray. No. 1,266,585; May 21; v. 250; p. 531.
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Gear-shifting mechanism. B. E. Richardson and A. M. Lynn. No. 1,283,561; Nov. 5; v. 256; p. 32.
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Gear-shifting mechanism. A. J. Schoenbein. No. 1,279,766; Sept. 24; v. 254; p. 740.
Gear-shifting mechanism. A. J. Schoenbein. No. 1,279,767; Sept. 24; v. 254; p. 741.
Gear-shifting mechanism. A. J.Schoenbein. No. 1,279,768; Sept. 24; v. 254; p. 741.
Gear-shifting mechanism. N. and J. Tormoen. No. 1,274,632; Aug. 6; v. 253; p. 84.
Gear-shifting mechanism, Automatic. F. E. Renick. No. 1,255,933; Feb. 12; v. 247; p. 277.
Gear-shifting mechanism, Automatic. A. J. Schoenbein. No. 1,279,765; Sept. 24; v. 254; p. 740.
Gear-shifting mechanism, Automatic selective. W. E. Dressel. No. 1,282,778; Oct. 29; v. 255; p. 852.
Gear-shifting mechanism, Electric. H. J. Murray. No. 1,268,263; June 4; v. 251; p. 54.
Gear-shifting mechanism, Fluid-operated. L. A. Laursen. No. 1,280,770; Oct. 8; v. 255; p. 208.
Gear, Speed-changing. E. H. De Witt. No. 1,261,721; Apr. 2; v. 249; p. 206.
Gear, Speed-changing and reversing. G. Pollard. No. 1,282,932; Oct. 29; v. 255; p. 895.
Gear, Spring friction-. A. Campbell. No. 1,255,132; Feb. 5; v. 247; p. 6.
Gear, Steering-. F. D. Carrico. No. 1,256,873; Feb. 19; v. 247; p. 592.
Gear-synchronizer. H. J. Murray and W. S. Rugg. No. 1,268,269; June 4; v. 251; p. 56.
Gear, Tandem friction-. J. F. O'Connor. No. 1,256,819; Feb. 19; v. 247; p. 575.
Gear-teeth, Generating. E. R. Fellows. No. 1,252,679; Jan. 8; v. 246; p. 392.
Gear-testing machine. G. Wirrer. No. 1,282,348; Oct. 22; v. 255; p. 708.
Gear-tooth rounder. M. O. Cross. No. 1,279,278; Sept. 17; v. 254; p. 580.
Gear, Transmission-. C. P. Sjolander and O. D. Bush. No. 1,261,307; Apr. 2; v. 249; p. 90.
Gear transmission mechanism, Change-speed-. F. H. Cathcart. No. 1,282,540; Oct. 22; v. 255; p. 760.
Gear, Variable-speed. C. Cock. No. 1,252,241; Jan. 1; v. 246; p. 231.
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Gear, Variable-speed. A. J. Rowledge. No. 1,256,372; Feb. 12; v. 247; p. 409.
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Gear, Variable-speed. A. J. Rowledge. No. 1,256,374; Feb. 12; v. 247; p. 410.
Gear, Variable-speed. H. D. Williams. No. 1,263,180; Apr. 16; v. 249; p. 677.
Gear, Variable speed and power. J. H. Bair. No. 1,285,585; Nov. 26; v. 256; p. 658.
Gear-wheel. G. M. Eaton. No. 1,278,888; Sept. 17; v. 254; p. 476.
Gear-wheel, Bevel. E. H. Wingqvist. No. 1,281,734; Oct. 15; v. 255; p. 501.
Gear-wheel cutting, Bevel-. E. H. Wingqvist. No. 1,281,735; Oct. 15; v. 255; p. 501.
Gear-wheel lubrication. G. M. Eaton. No. 1,275,004; Aug. 6; v. 253; p. 188.
Gear-wheels, Apparatus for testing the teeth of. H. Saurer. No. 1,263,472; Apr. 23; v. 249; p. 779.
Gear-wheels, &c., Device for removing. G. W. Schilling. No. 1,268,285; June 4; v. 251; p. 61.
Gears and other carbonized-steel parts, Producing and finishing. J. F. Sallows. No. 1,282,467; Oct. 22; v. 255; p. 740.
Gears, Making. H. N. Anderson. No. 1,273,125; July 23; v. 252; p. 751.
Gears, Producing. E. C. Head. No. 1,262,192; Apr. 9; v. 249; p. 369.
Gearing. J. D. Allen. No. 1,262,901; Apr. 16; v. 249; p. 597.
Gearing. E. M. Bentley. No. 1,287,837; Dec. 17; v. 257; p. 474.
Gearing. J. Bijur. No. 1,279,501; Sept. 24; v. 254; p. 664.
Gearing. F. W. Cotterman. No. 1,279,659; Sept. 24; v. 254; p. 710.
Gearing. A. F. Dickey. No. 1,268,693; June 4; v. 251; p. 176.
Gearing. J. H. Doran. No. 1,267,855; May 28; v. 250; p. 915.
Gearing. W. H. George. No. 1,253,024; Jan. 8; v. 246; p. 494.
Gearing. O. Heins and C. M. and J. E. Wild. No. 1,266,259; May 14; v. 250; p. 413.
Gearing. W. W. Hudson. No. 1,286,642; Dec. 3; v. 257; p. 112.
Gearing. F. M. Joslin. No. 1,251,784; Jan. 1; v. 246; p. 103.
Gearing. G. Langen. No. 1,282,088; Oct. 22; v. 255; p. 637.
Gearing. H. M. Leonard. No. 1,269,944; June 18; v. 251; p. 573.
Gearing. F. P. McDermott, Jr., and W. O. Kennington. No. 1,253,263; Jan. 15; v. 246; p. 592.
Gearing. H. O. Nelson. No. 1,270,859; July 2; v. 252; p. 30.
Gearing. W. H. Sargent. No. 1,285,408; Nov. 19; v. 256; p. 574.
Gearing. A. E. Schuette and J. H. Kintzele. No. 1,265,530; May 7; v. 250; p. 180.
Gearing. B. F. Seymour. No. 1,277,652; Sept. 3; v. 254; p. 89.
Gearing. E. A. Sperry. No. 1,257,417; Feb. 26; v. 247; p. 783.
Gearing. C. B. Trussell. No. 1,275,106; Aug. 6; v. 253; p. 216.
Gearing. H. C. Walter. No. 1,286,849; Dec. 3; v. 257; p. 157.
Gearing. R. Warriner. No. 1,273,556; July 23; v. 252; p. 866.

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Gearing. J. Wolff. No. 1,282,349; Oct. 22; v. 255; p. 709.
Gearing and clutch mechanism, Transmission. J. W. Nowak. No. 1,277,465; Sept. 3; v. 254; p. 36.
Gearing and clutch shifting mechanism. T. G. Deweese. No. 1,284,067; Nov. 5; v. 256; p. 166.
Gearing and thrust-bearing, Combination. H. T. Herr. No. 1,272,041; July 9; v. 252; p. 395.
Gearing, Automatic change-speed. H. L. Duncan. No. 1,277,299; Aug. 27; v. 253; p. 909.
Gearing, Automobile transmission-. H. S. Swanson. No. 1,259,563; Mar. 19; v. 248; p. 535.
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Gearing, Bevel-. H. D. Williams. No. 1,263,008; Apr. 16; v. 249; p. 627.
Gearing, Change-speed. A. H. Asprooth. No. 1,262,618; Apr. 16; v. 249; p. 516.
Gearing, Change-speed. W. S. Irey. No. 1,276,368; Aug. 20; v. 253; p. 623.
Gearing, Change-speed. W. S. Irey. No. 1,276,369; Aug. 20; v. 253; p. 623.
Gearing, Change-speed. A. B. Landis. No. 1,289,199; Dec. 31; v. 257; p. 857.
Gearing, Change-speed. A. B. Landis. No. 1,289,200; Dec. 31; v. 257; p. 858.
Gearing, Change-speed. A. B. Landis. No. 1,289,201; Dec. 31; v. 257; p. 858.
Gearing, Clutch mechanism for reversing-. H. A. Tuttle. No. 1,260,599; Mar. 26; v. 248; p. 869.
Gearing, Compensating. A. T. Brown. No. 1,268,429; June 4; v. 251; p. 102.
Gearing device. T. E. Janson. No. 1,253,979; Jan. 15; v. 246; p. 798.
Gearing, Differential. F. J. Baker. No. 1,258,177; Mar. 5; v. 248; p. 66.
Gearing, Differential. A. Denman-Jones. No. 1,274,056; July 30; v. 252; p. 1041.
Gearing, Differential. D. Miller. No. 1,282,614; Oct. 22; v. 255; p. 780.
Gearing, Differential. A. T. Nogrady. No. 1,262,833; Apr. 16; v. 249; p. 578.
Gearing, Differential. H. M. Patch. No. 1,259,279; Mar. 12; v. 248; p. 421.
Gearing, Differential. A. S. Perko. No. 1,280,535; Oct. 1; v. 255; p. 117.
Gearing, Differential. A. C. Ruden. No. 1,254,540; Jan. 22; v. 246; p. 979.
Gearing, Differential. W. F. Taylor. No. 1,271,101; July 2; v. 252; p. 97.
Gearing for motor-vehicles, Differential. W. Sprenger, No. 1,276,432; Aug. 20; v. 253; p. 641.
Gearing for motor-vehicles, Transmission-. H. N. Fullenweider. No. 1,252,338; Jan. 1; v. 246; p. 258.
Gearing, Friction-. O. A. Albrecht. No. 1,277,167; Aug. 27; v. 253; p. 876.
Gearing, Frictional. F. Dorman. No. 1,262,467; Apr. 9; v. 249; p. 445.
Gearing, Indicator for multiple-speed transmission-. G. Schlatter. No. 1,273,932; July 30; v. 252; p. 1007.
Gearing, Irreversible. E. G. Johanson. No. 1,270,950; July 2; v. 252; p. 56.
Gearing, Motor-vehicle. P. G. Howe. No. 1,274,417; Aug. 6; v. 253; p. 21.
Gearing, Pedal-control mechanism for. G. H. Brown. No. 1,267,371; May 28; v. 250; p. 778.
Gearing, Power-transmission. A. L. Riker. No. 1,264,561; Apr. 30; v. 249; p. 1112.
Gearing, Reversing-. H. J. Smith. No. 1,254,075; Jan. 22; v. 246; p. 846.
Gearing, Roller-. F. A. Franzén. No. 1,282,563; Oct. 22; v. 255; p. 767.
Gearing, &c., Shifting mechanism for. J. H. Brand. No. 1,257,309; Feb. 26; v. 247; p. 754.
Gearing, Speed-change. A. Fretz. No. 1,286,987; Dec. 10; v. 257; p. 231.
Gearing, Speed-reducing. V. G. Apple. No. 1,276,855; Aug. 27; v. 253; p. 792.
Gearing, Transmission-. M. G. Bassett. No. 1,281,120; Oct. 8; v. 255; p. 302.
Gearing, Transmission-. A. T. Brown. No. 1,259,829; Mar. 19; v. 248; p. 611.
Gearing, Transmission-. P. E. Clark. No. 1,272,218; July 9; v. 252; p. 444.
Gearing, Transmission-. R. G. Hotsinpiller. No. 1,271,319; July 2; v. 252; p. 160.
Gearing, Transmission-. J. Ledwinka. No. 1,268,131; June 4; v. 251; p. 18.
Gearing, Transmission-. C. W. Levalley. No. 1,264,822; Apr. 30; v. 249; p. 1181.
Gearing, Transmission-. J. W. Murry. No. 1,288,129; Dec. 17; v. 257; p. 547.
Gearing, Transmission-. N. R. Pilcher. No. 1,268,608; June 4; v. 251; p. 154.
Gearing, Transmission-. J. J. Robinson. No. 1,280,552; Oct. 1; v. 255; p. 122.
Gearing, Transmission-. E. N. Rounds. No. 1,278,753; Sept. 10; v. 254; p. 409.
Gearing, Variable-speed. H. O. Spade. No. 1,261,312; Apr. 2; v. 249; p. 91.
Gearing, Variable-speed friction and belt. T. J. F. Ryland. No. 1,257,742; Feb. 26; v. 247; p. 882.
Gearing, Variable-speed transmission-. N. H. E. Clark. No. 1,284,058; Nov. 5; v. 256; p. 163.
Gearing, Worm-. R. M. Lovejoy. No. 1,276,237; Aug. 20; v. 253; p. 585.
Gearing, Worm-. M. Maag. No. 1,274,918; Aug. 6; v. 253; p. 164.
Gearing, Yieldable change-speed. E. Fairweather. No. 1,275,885; Aug. 13; v. 253; p. 458.
Gearless differential. A. E. Ward. No. 1,254,180; Jan. 22; v. 246; p. 876.
Gelatin, Preparing. T. Tada. No. 1,271,960; July 9; v. 252; p. 370.
Generating system and generator therefor. E. B. Jacobson. No. 1,261,239; Apr. 2; v. 249; p. 69.
Generator: *See*—
Acetylene-generator.
Air-generator.
Arc oscillation-generator.
Bevel-gear generator.
Current-generator.
Electric generator.
Gas-generator.
Hydro-oxygen generator.
Magneto-generator.
Magneto-electric generator.
Medicinal-vapor generator.
Oil and gasolene generator.
Oscillation-generator.
Polyphase generator.
Power-generator.
Pressure-generator.
Smoke-generator.
Smoke and heat generator.
Steam-generator.
Thermo-electric generator.
Wave-generator.
Generator. C. E. Johnston. No. 1,259,104; Mar. 12; v. 248; p. 374.
Generator. J. Pinal. No. 1,288,171; Dec. 17; v. 257; p. 558.
Generator, lamp, horn, and speedometer, Combined. H. R. Van Deventer. No. 1,265,282; May 7; v. 250; p. 113.
Generator-regulator. W. A. Turbayne. No. 1,251,595; Jan. 1; v. 246; p. 45.
Generator regulator, Electric-. W. A. Turbayne. No. 1,251,707; Jan. 1; v. 246; p. 79.
Generator regulator, Electric-. W. A. Turbayne. No. 1,251,708; Jan. 1; v. 246; p. 80.
Generators, Electric control for. H. A. Scott. No. 1,276,578; Aug. 20; v. 253; p. 681.
Generators, Feed-water-supply apparatus for steam-. T. Clarkson. No. 1,252,239; Jan. 1; v. 246; p. 230.
Geometrical instrument. A. E. Anderson. No. 1,260,292; Mar. 26; v. 248; p. 777.
Geometrical instrument. M. E. Fernald. No. 1,284,881; Nov. 12; v. 256; p. 402.
Geometrical instrument. J. Kleidman. No. 1,267,323; May 21; v. 250; p. 736.
Geometrical instrument. J. Kleidman. No. 1,288,921; Dec. 24; v. 257; p. 766.
Germs with an enveloping protective medium, Compounding. I. F. Harris and F. W. R. Eschmann. No. 1,260,899; Mar. 26; v. 248; p. 952.
Gimlet, Shoemaker's. L. Paternostro. No. 1,263,698; Apr. 23; v. 249; p. 839.
Gin and linter saw-tooth cutter. C. W. Eads. No. 1,265,758; May 14; v. 250; p. 273.
Gin-feeder attachment. W. W. Milam. No. 1,259,034; Mar. 12; v. 248; p. 355.
Gin-saw filer and gummer. J. E. Norman. No. 1,272,343; July 9; v. 252; p. 480.
Gin-trap. F. W. Wigmore. No. 1,256,187; Feb. 12; v. 247; p. 355.
Gins, Attachment for huller-. W. M. Prichard. No. 1,273,182; July 23; v. 252; p. 767.
Ginning and delinting machine. W. D. McCoy. No. 1,279,565; Sept. 24; v. 254; p. 682.
Girdle. E. Guggenheim. No. 1,278,335; Sept. 10; v. 254; p. 299.
Girdle or belt, Skeleton. J. A. Ondrak. No. 1,279,141; Sept. 17; v. 254; p. 543.
Gland. R. I. Kinnear. No. 1,268,978; June 11; v. 251; p. 275.
Glandular extractive product and manufacturing same. T. B. Aldrich. No. 1,271,111; July 2; v. 252; p. 101.
Glare-deflector. C. S. Horton. No. 1,273,934; July 30; v. 252; p. 1008.
Glare-dimmer. E. M. Staples. No. 1,252,193; Jan. 1; v. 246; p. 219.
Glare-protector. W. Geist. No. 1,258,107; Mar. 5; v. 248; p. 47.
Glare-shield. W. H. Burtis. No. 1,266,399; May 14; v. 250; p. 449.
Glare-shield. C. H. Schumacher and A. A. Schmalz. No. 1,275,311; Aug. 13; v. 253; p. 298.
Glass: *See*—
Gage-glass.
Headlight-glass.
Illuminating-glass.
Magnifying-glass.
Safety gage-glass.
Translucent glass.
Glass and glass tubing, Apparatus for drawing cane-. J. C. Smedley. No. 1,278,046; Sept. 3; v. 254; p. 194.
Glass and making it. E. W. Enequist. No. 1,261,015; Apr. 2; v. 249; p. 7.
Glass and making same, Reinforced sheet-. C. and V. Shuman. No. 1,274,205; July 30; v. 252; p. 1083.
Glass and making the same, Pot for the manufacture of plate-. C. H. Kerr. No. 1,278,164; Sept. 10; v. 254; p. 252.
Glass-annealing oven. J. M. Lents. No. 1,289,208; Dec. 31; v. 257; p. 860.
Glass apparatus. W. E. Sloppy. No. 1,274,616; Aug. 6; v. 253; p. 80.

Glass apparatus, Bending-roll for sheet-. U. G. Baker. No. 1,273,310; July 23; v. 252; p. 799.
Glass, Apparatus for conveying molten. K. E. Peiler. No. 1,264,328; Apr. 30; v. 249; p. 1045.
Glass, Apparatus for forming sheet-. E. Danner. No. 1,261,367; Apr. 2; v. 249; p. 107.
Glass, Apparatus for spiraling. W. Wiegand. No. 1,264,355; Apr. 30; v. 249; p. 1053.
Glass articles, Apparatus for the manufacture of blown-. B. D. Chamberlin. No. 1,256,979; Feb. 19; v. 247; p. 623.
Glass articles, Forming. E. Danner. No. 1,269,791; June 18; v. 251; p. 532.
Glass articles, Mechanism for making. T. Stenhouse. No. 1,265,827; May 14; v. 250; p. 291.
Glass blanks, Shears for. P. H. Thompson. No. 1,275,629; Aug. 13; v. 253; p. 385.
Glass-blowing machines, Air-controlling mechanism for. A. Kadow. No. 1,255,317; Feb. 5; v. 247; p. 57.
Glass bottles and similar articles, Apparatus for manufacturing. C. K. Finkbeiner. No. 1,266,786; May 21; v. 250; p. 589.
Glass bottles and similar articles, Making. C. K. Finkbeiner. No. 1,266,785; May 21; v. 250; p. 589.
Glass containers, Protecting device for. O. Denton. No. 1,260,157; Mar. 19; v. 248; p. 705.
Glass cover and receptacle. J. S. Jenkins. No. 1,260,546; Mar. 26; v. 248; p. 852.
Glass cutting and severing method and apparatus. F. J. Rippl. No. 1,262,567; Apr. 9; v. 249; p. 473.
Glass-cutting apparatus. J. Waterloo. No. 1,259,687; Mar. 19; v. 248; p. 569.
Glass-cutting apparatus. J. Waterloo and G. W. Klages. No. 1,272,158; July 9; v. 252; p. 428.
Glass-cutting device. J. Burda. No. 1,282,375; Oct. 22; v. 255; p. 716.
Glass-cutting machine. J. Waterloo. No. 1,259,688; Mar. 19; v. 248; p. 569.
Glass cylinders, Apparatus for drawing. C. S. Robb. No. 1,256,260; Feb. 12; v. 247; p. 375.
Glass cylinders, Capping-horse for hollow. S. B. Henshaw. No. 1,263,668; Apr. 23; v. 249; p. 831.
Glass cylinders, Device for use in connection with the drawing of. F. M. Francart. No. 1,272,652; July 16; v. 252; p. 594.
Glass cylinders, Splitting or severing. J. Waterloo and O. Jacqmain. No. 1,277,795; Sept. 3; v. 254; p. 129.
Glass disks, Machine for grinding. G. A. Leeks. No. 1,276,776; Aug. 27; v. 253; p. 771.
Glass drawing and blowing apparatus. W. E. Standley and T. B. Campbell. No. 1,285,450; Nov. 19; v. 256; p. 585.
Glass-drawing apparatus. H. G. Slingluff. No. 1,251,932; Jan. 1; v. 246; p. 144.
Glass-drawing apparatus. W. Westbury. No. 1,276,465; Aug. 20; v. 253; p. 650.
Glass-drawing apparatus, Take-down device for. L. S. Skelton. No. 1,260,081; Mar. 19; v. 248; p. 686.
Glass-drawing furnace. G. L. Catlin and D. Morrison. No. 1,255,983; Feb. 12; v. 247; p. 293.
Glass-drawing mechanism, Sheet-. I. W. Colburn. No. 1,274,385; Aug. 6; v. 253; p. 10.
Glass-drawing pot. S. Meredith, C. W. Holland, L. J. O'Brien, and C. C. McHenry. No. 1,279,569; Sept. 24; v. 254; p. 684.
Glass-drawing pot. L. S. Skelton. No. 1,258,159; Mar. 5; v. 248; p. 61.
Glass-drilling. H. Northwood. No. 1,276,683; Aug. 20; v. 253; p. 709.
Glass, Feeder for molten. K. E. Peiler. No. 1,277,254; Aug. 27; v. 253; p. 898.
Glass, Feeder for molten. K. E. Peiler. No. 1,277,255; Aug. 27; v. 253; p. 898.
Glass, Feeding. H. K. Hitchcock. No. 1,275,424; Aug. 13; v. 253; p. 328.
Glass, Feeding molten. K. E. Peiler. No. 1,277,256; Aug. 27; v. 253; p. 898.
Glass flattening and forming apparatus and process. J. Stile. No. 1,259,459; Mar. 12; v. 248; p. 474.
Glass float. J. A. Larson. No. 1,257,890; Feb. 26; v. 247; p. 925.
Glass for surface decoration, Utilizing sheet-. J. Watson. No. 1,279,050; Sept. 17; v. 254; p. 520.
Glass-forming machine. A. Kadow. No. 1,251,671; Jan. 1; v. 246; p. 69.
Glass-forming machine. W. S. Teeple. No. 1,271,961; July 9; v. 252; p. 370.
Glass, Forming sheet-. E. Danner. No. 1,261,366; Apr. 2; v. 249; p. 107.
Glass from furnaces, Delivering. G. E. Howard. No. 1,255,884; Feb. 12; v. 247; p. 263.
Glass from furnaces or the like, Apparatus for delivering. R. Good, Jr. No. 1,269,597; June 18; v. 251; p. 477.
Glass-furnace. H. E. De Vaughn. No. 1,274,146; July 30; v. 252; p. 1066.
Glass-furnace. C. R. Hook. No. 1,279,697; Sept. 24; v. 254; p. 721.
Glass-furnace. T. C. Moorshead. No. 1,262,375; Apr. 9; v. 249; p. 419.
Glass-furnace. A. L. Schram. No. 1,288,227; Dec. 17; v. 257; p. 570.
Glass-furnace-controlling mechanism. R. Good, Jr. No. 1,266,011; May 14; v. 250; p. 343.
Glass-furnace, Electric. J. O. Erskine. No. 1,267,317; May 21; v. 250; p. 735.
Glass-furnaces, Gas and air mixer for. E. Majot. No. 1,273,171; July 23; v. 252; p. 764.
Glass gathering and blowing machine, Gathering device for. A. Wilzin. No. 1,263,982; Apr. 23; v. 249; p. 918.
Glass grinding and smoothing apparatus. W. L. Kann. No. 1,269,455; June 11; v. 251; p. 406.
Glass-machine. W. J. Miller. No. 1,276,392; Aug. 20; v. 253; p. 630.
Glass-making apparatus, Plate-. J. H. McKelvey and C. F. Ryan. No. 1,274,916; Aug. 6; v. 253; p. 164.
Glass, Making colored. H. T. Bellamy. No. 1,271,652; July 9; v. 252; p. 286.
Glass, Making wire-. R. S. Pease. No. 1,259,772; Mar. 19; v. 248; p. 595.
Glass manufacture. R. H. Bolin. No. 1,280,139; Oct. 1; v. 255; p. 5.
Glass manufacture. T. J. McCoy. No. 1,255,450; Feb. 5; v. 247; p. 96.
Glass manufacture. T. J. McCoy. No. 1,283,538; Nov. 5; v. 256; p. 26.
Glass manufacture, Apparatus for. T. J. McCoy. No. 1,282,254; Oct. 22; v. 255; p. 683.
Glass manufacture, Cane-. J. T. Fagan. No. 1,273,345; July 23; v. 252; p. 808.
Glass, Manufacture of. L. T. Sherwood. No. 1,277,493; Sept. 3; v. 254; p. 45.
Glass, Means for making reinforced sheet-. C. and V. Shuman. No. 1,274,206; July 30; v. 252; p. 1083.
Glass, Mechanism for delivering. T. Stenhouse. No. 1,274,625; Aug. 6; v. 253; p. 82.
Glass, Method of and apparatus for drawing sheet-. T. H. Chadwick. No. 1,267,849; May 28; v. 250; p. 913.
Glass-mold. R. Haley. No. 1,278,336; Sept. 10; v. 254; p. 299.
Glass-mold. E. S. Hutton. No. 1,253,246; Jan. 15; v. 246; p. 587.
Glass-molding apparatus. E. G. Johanson. No. 1,261,939; Apr. 9; v. 249; p. 299.
Glass-molding plunger. A. Brancart. No. 1,274,673; Aug. 6; v. 253; p. 96.
Glass panes, Protective covering for. H. J. Nile. No. 1,256,818; Feb. 19; v. 247; p. 575.
Glass pass-basket. C. A. Fullerton. No. 1,264,051; Apr. 23; v. 249; p. 935.
Glass, Perforating. R. E. Winne. No. 1,289,993; Dec. 31; v. 257; p. 1054.
Glass plates and pieces, Apparatus for sorting. J. Waterloo. No. 1,272,157; July 9; v. 252; p. 428.
Glass plates and pieces, Sorting. J. Waterloo. No. 1,272,156; July 9; v. 252; p. 428.
Glass plates or sheets, Manufacture of. H. K. Hitchcock. (Reissue.) No. 14,468; May 7; v. 250; p. 232.
Glass-pot-filling machine. A. G. Maxwell. No. 1,266,511; May 14; v. 250; p. 480.
Glass, Process and apparatus for controlling the flow of. W. J. Miller. No. 1,260,428; Mar. 26; v. 248; p. 818.
Glass, Process of flowing. B. D. Chamberlin. No. 1,256,950; Feb. 19; v. 247; p. 624.
Glass rods and tubes, Manufacture of. J. T. Fagan. No. 1,273,346; July 23; v. 252; p. 809.
Glass rollers or cylinders, Splitting. P. Reo. No. 1,278,014; Sept. 3; v. 254; p. 186.
Glass-shaping mold. K. E. Peiler. No. 1,259,280; Mar. 12; v. 248; p. 422.
Glass sheets, Forming. W. G. Shaw. No. 1,283,333; Oct. 29; v. 255; p. 1001.
Glass, Strength-regulator for tank-drawn machine window-. O. C. Natalis. No. 1,251,561; Jan. 1; v. 246; p. 35.
Glass surfaces, Decorating. K. Warga. No. 1,283,606; Nov. 5; v. 256; p. 43.
Glass-tank. H. G. Slingluff. No. 1,251,931; Jan. 1; v. 246; p. 144.
Glass-tempering device. J. Rau. No. 1,266,625; May 21; v. 250; p. 544.
Glass-working. F. L. O. Wadsworth. No. 1,275,178; Aug. 6, v. 253; p. 236.
Glass-working machine. O. A. Hanford. No. 1,254,904; Jan. 29; v. 246; p. 1118.
Glass-working machine and process of working glass. R. W. Canfield. No. 1,260,637; Mar. 26; v. 248; p. 881.
Glasses and cups, Device for washing. M. McCullough. No. 1,257,902; Feb. 26; v. 247; p. 928.
Glassware, Decorating. C. L. Reizenstein. No. 1,251,577; Jan. 1; v. 246; p. 40.
Glassware, Device for removing rings from. J. A. Lewis. No. 1,272,971; July 16; v. 252; p. 683.
Glassware, Machine for making pressed. A. Kadow. No. 1,264,085; Apr. 23; v. 249; p. 945.
Glassware, Making. T. C. Moorshead. No. 1,274,577. Aug. 6; v. 253; p. 68.
Glassware, Making. F. W. Stewart. No. 1,259,156; Mar. 12; v. 248; p. 390.
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Glazier's tool. A. E. Schroeder. No. 1,263,129; Apr. 16; v. 249; p. 664.
Glazier's tool, Combination. M. J. Ossman. No. 1,264,430; Apr. 30; v. 249; p. 1075.
Glazing-bar of roofs and the like. R. W. Hope. No. 1,252,439; Jan. 8; v. 246; p. 322.
Glazing construction. W. P. Waugh. No. 1,280,913; Oct. 8; v. 255; p. 247.
Glazing-machine. G. W. Winter. No. 1,258,071; Mar. 5; v. 248; p. 35.
Globe-guard support. W. F. Nichols. No. 1,267,444; May 28; v. 250; p. 798.
Globe-holder. R. C. Hager. No. 1,255,163; Feb. 5; v. 247; p. 14.
Glove. J. Feldgus. No. 1,261,374; Apr. 2; v. 249; p. 109.
Glove. J. D. Garvey. No. 1,279,855; Sept. 24; v. 254; p. 767.
Glove. B. C. Grinnell. No. 1,252,900; Jan. 8; v. 246; p. 454.
Glove. H. A. Taylor. No. 1,256,391; Feb. 12; v. 247; p. 416.
Glove. M. Von Baldass. No. 1,268,516; June 4; v. 251; p. 127.
Glove and mitten, Combination. R. Raymond. No. 1,286,771; Dec. 3; v. 257; p. 140.
Glove, Boxing-. Z. G. Oldham. No. 1,286,396; Dec. 3; v. 257; p. 52.
Glove, Butler's. J. C. Kitamura. No. 1,254,913; Jan. 29; v. 246; p. 1120.
Glove-cleaning machine. A. R. Curtis. No. 1,255,515; Feb. 5; v. 247; p. 116.
Glove-cleaning machine. H. A. Hecker. No. 1,251,518; Jan. 1; v. 246; p. 20.
Glove, Gauntlet-. S. B. Morrell. No. 1,276,099; Aug. 20; v. 253; p. 548.
Glove, Reversible. H. H. Taylor. No. 1,272,571; July 16; v. 252; p. 569.
Glove-stretching form, Self-adjusting. A. K. Martell and F. Waterfield. No. 1,259,119; Mar. 12; v. 248; p. 379.
Glove-supporting device. M. Dolphin. No. 1,264,905; May 7; v. 250; p. 9.
Glove, Swimming-. J. W. Eckman. No. 1,275,005; Aug. 6; v. 253; p. 188.
Glucose, Manufacturing. F. B. La Forge. No. 1,288,429; Dec. 17; v. 257; p. 617.
Glue and the like, Making. R. W. Mumford. No. 1,289,053; Dec. 24; v. 257; p. 797.
Glue-applying apparatus. F. G. Perkins. No. 1,280,288; Oct. 1; v. 255; p. 49.
Glue-extracting process. F. J. Turner. No. 1,285,474; Nov. 19; v. 256; p. 591.
Glue-jointers, Automatic feeding attachment for. B. H. Carnahan, H. M. Williams, and H. W. Bertram. No. 1,267,511; May 28; v. 250; p. 816.
Glue, Manufacturing vegetable. V. G. Bloede. No. 1,257,307; Feb. 26; v. 247; p. 753.
Glue, Manufacturing vegetable. V. G. Bloede. No. 1,269,678; June 18; v. 251; p. 500.
Glue, Manufacturing vegetable. V. G. Bloede. No. 1,273,571; July 23; v. 252; p. 870.
Glue or adhesive, Vegetable. C. Bergquist. No. 1,287,841; Dec. 17; v. 257; p. 475.
Glue or adhesive, Vegetable. R. W. Tunnell. No. 1,266,354; May 14; v. 250; p. 438.
Glue or adhesive, Vegetable. R. W. Tunnell. No. 1,275,799; Aug. 13; v. 253; p. 433.
Glue or adhesive, Vegetable. R. W. Tunnell. No. 1,284,495; Nov. 12; v. 256; p. 305.
Glue-spreading machine. A. H. Dougherty. No. 1,261,496; Apr. 2; v. 249; p. 142.
Glue, Waterproof. W. W. Wood. No. 1,270,477; June 25; v. 251; p. 744.
Gluing-clamp. H. Barry. No. 1,283,393; Oct. 29; v. 255; p. 1019.
Gluing mechanism, Top-. E. W. Labombarde. No. 1,271,730; July 9; v. 252; p. 308.
Glutaminic acid from other amino acids, Process to separate. A. Corte. No. 1,255,390; Feb. 5; v. 247; p. 80.
Glycerol, Manufacturing. J. R. Eoff, Jr. No. 1,288,398; Dec. 17; v. 257; p. 610.
Glycols and glycol derivatives, Manufacture of. K. P. McElroy. No. 1,259,758; Mar. 19; v. 248; p. 591.
Glycols, Manufacture of. H. Hibbert. No. 1,270,759; June 25; v. 251; p. 818.
Glycols, Manufacture of. K. P. McElroy. No. 1,259,757; Mar. 19; v. 248; p. 590.
Go-cart. E. F. Soderborg. No. 1,280,888; Oct. 8; v. 255; p. 241.
Go-cart attachment. L. C. McWilliams. No. 1,261,143; Apr. 2; v. 249; p. 43.
Go-cart, Collapsible. E. H. Leng. No. 1,268,856; June 11; v. 251; p. 241.
Go-cart, Convertible folding. J. F. Briggs. No. 1,271,270; July 2; v. 252; p. 146.
Go-cart, Folding. A. C. Botsford. No. 1,287,200; Dec. 10; v. 257; p. 286.
Goggles. G. H. Day. No. 1,265,625; May 7; v. 250; p. 204.
Goggles. B. W. Gammon. No. 1,272,939; July 16; v. 252; p. 675.
Goggles. A. E. Jacobs. No. 1,286,645; Dec. 3; v. 257; p. 113.
Goggles. E. G. J. Markham. No. 1,270,640; June 25; v. 251; p. 788.
Goggles. H. H. Styll. No. 1,265,546; May 7; v. 250; p. 183.
Goggles. G. L. Tully and P. H. Herbert. No. 1,269,981; June 18; v. 251; p. 582.
Goggles. F. Willson. No. 1,254,296; Jan. 22; v. 246; p. 910.
Goggles, Aviator's. E. J. Nixson. No. 1,288,140; Dec. 17; v. 257; p. 550.
Goggles, Aviator's. C. J. Troppman. No. 1,254,090; Jan. 22; v. 246; p. 851.
Goggles or eye-protector. C. J. Troppman. No. 1,261,190; Apr. 2; v. 249; p. 56.
Goggles or eye-protectors. J. U. Barr. No. 1,257,667; Feb. 26; v. 247; p. 859.
Goiters, Device for treating. H. L. Scholl. No. 1,280,560; Oct. 1; v. 255; p. 124.
Gold and other precious metals, Apparatus for saving. W. D. M. Howard. No. 1,257,487; Feb. 26; v. 247; p. 805.
Gold and silver from their ores, Obtainment of. A. A. Lockwood. No. 1,283,236; Oct. 29; v. 255; p. 978.
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Gold-concentrator. A. R. Mackie. No. 1,286,185; Nov. 26; v. 256; p. 807.
Gold crowns, Making. G. H. Leland. No. 1,257,367; Feb. 26; v. 247; p. 770.
Gold, Disintegrating apparatus for use in the recovery of. E. M. Rombouts. No. 1,281,073; Oct. 8; v. 255; p. 290.
Gold-dredge tumbler. G. E. Sibbett. No. 1,289,561; Dec. 31; v. 257; p. 948.
Gold-dust collector. E. W. Ousley. No. 1,255,040; Jan. 29; v. 246; p. 1154.
Gold-film. E. D. Tillyer and F. M. Bishop. No. 1,287,793; Dec. 17; v. 257; p. 464.
Gold-leaf-laying machine. F. A. Putnam. No. 1,258,944; Mar. 12; v. 248; p. 327.
Gold or colored leaf, Imitation. K. E. Olson. No. 1,267,445; May 28; v. 250; p. 798.
Gold-panner. J. A. Kimber. No. 1,280,766; Oct. 8; v. 255; p. 207.
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Gold-saving apparatus. A. J. Jarmuth. No. 1,271,714; July 9; v. 252; p. 302.
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Gold, silver, and the like from sand, Machine for separating. D. Diver. No. 1,254,484; Jan. 22; v. 246; p. 963.
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Golf-ball. W. Taylor. No. 1,286,834; Dec. 3; v. 257; p. 154.
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Golf-club. H. Sampson. No. 1,283,568; Nov. 5; v. 256; p. 34.
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Golf-club, Universal. J. C. McLaughlin. No. 1,253,700; Jan. 15; v. 246; p. 721.
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Golf-tee. O. R. Vegely. No. 1,251,944; Jan. 1; v. 246; p. 148.
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Gong construction. H. E. Reeve. No. 1,285,381; Nov. 19; v. 256; p. 567.
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Goods, Shop and warehouse fixture for storing. A. I. Watts. No. 1,285,854; Nov. 26; v. 256; p. 726.
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Governor, Long-range centrifugal. G. A. Bronder. No. 1,260,311; Mar. 26; v. 248; p. 784.
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Grader. W. Pines. No. 1,287,424; Dec. 10; v. 257; p. 341.
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Grading and building machine, Road. C. Allen. No. 1,259,710; Mar. 19; v. 248; p. 577.
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Grading and excavating apparatus. C. J. Van Doren. No. 1,261,980; Apr. 9; v. 249; p. 310.
Grading and leveling device, Soil. J. S. Frew and E. A. Lewis. No. 1,257,838; Feb. 26; v. 247; p. 910.
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Grading-machine. X. F. Counard. No. 1,276,876; Aug. 27; v. 253; p. 798.
Grading-machine. E. K. Enebo. No. 1,279,853; Sept. 24; v. 254; p. 766.
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Grading, separating, and loading machine. A. Currie. No. 1,287,648; Dec. 17; v. 257; p. 426.
Gradometer. L. C. Barker. No. 1,260,126; Mar. 19; v. 248; p. 697.
Gradometer. E. G. Mattoon. No. 1,257,090; Feb. 19; v. 247; p. 654.
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Grain and seed drier. O. W. Randolph. No. 1,276,812; Aug. 27; v. 253; p. 781.
Grain-bag. A. F. Dunae. No. 1,267,193; May 21; v. 250; p. 704.
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Grain-binders, Bundle-carrier for. J. W. Johnson. No. 1,283,203; Oct. 29; v. 255; p. 969.
Grain-binders, Butt-adjuster mechanism for. W. H. Crane. No. 1,270,016; June 18; v. 251; p. 593.
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Grain-drier. W. J. Sedelbauer. No. 1,282,960; Oct. 29; v. 255; p. 904.
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Grain-pickler. R. Rasmussen. No. 1,264,438; Apr. 30; v. 249; p. 1077.
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Grain-shocker. B. Kent and A. Austin. No. 1,261,404; Apr. 2; v. 249; p. 117.
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Grain, Treating. P. Provost. No. 1,269,741; June 18; v. 251; p. 517.
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Grain-treating machine. T. C. Walstad. No. 1,260,606; Mar. 26; v. 248; p. 872.
Graining-tool. F. W. Mittendorf. No. 1,253,268; Jan. 15; v. 246; p. 593.
Gramophone, Coin-feed. J. W. Knights. No. 1,262,521; Apr. 9; v. 249; p. 460.
Granular material, Treating. A. G. J. Rapp. No. 1,289,542; Dec. 31; v. 257; p. 944.
Grape-juice, Manufacturing. P. R. Welch. No. 1,258,627; Mar. 5; v. 248; p. 199.
Graphic meter and the like. J. A. Obermaier. No. 1,282,621; Oct. 22; v. 255; p. 782.
Graphical recorder. G. Wollenweber. No. 1,256,858; Feb. 19; v. 247; p. 587.
Graphite-feeding lubricator. W. G. Thompson. No. 1,264,999; May 7; v. 250; p. 35.
Graphite from slag, Recovering. E. C. Ewen. No. 1,271,146; July 2; v. 252; p. 111.
Graphophone. H. C. Moyer. No. 1,279,743; Sept. 24; v. 254; p. 733.
Graphophone. J. A. Weser. No. 1,289,584; Dec. 31; v. 257; p. 953.
Graphophone, Duplex. F. C. Hinckley and J. Graham. No. 1,276,759; Aug. 27; v. 253; p. 767.
Grapple. C. E. Dreiling. No. 1,268,822; June 11; v. 251; p. 232.
Grapple. F. Moeller. No. 1,285,778; Nov. 26; v. 256; p. 707.
Grapple. F. L. Weedon and W. E. Lemon. No. 1,256,408; Feb. 12; v. 247; p. 420.
Grapple. H. Weickel. No. 1,276,143; Aug. 20; v. 253; p. 560.
Grapple-hook. S. Holstrom. No. 1,258,220; Mar. 5; v. 248; p. 78.
Grappling-tool. W. Lewis. No. 1,278,361; Sept. 10; v. 254; p. 305.
Grass-cutter. F. Nimchek. No. 1,277,105; Aug. 27; v. 253; p. 859.
Grass-destroyer. W. B. Petron. No. 1,256,725; Feb. 19; v. 247; p. 547.
Grass destroyer, Quack-. A. Hanson. No. 1,261,521; Apr. 2; v. 249; p. 150.
Grass destroyer, Quack-. A. L. Johnson. No. 1,280,231; Oct. 1; v. 255; p. 32.
Grass destroyer, Quack-. O. Nesterud. No. 1,258,930; Mar. 12; v. 248; p. 324.
Grass digger, Quack-. A. H. Kunze. No. 1,283,811; Nov. 5; v. 256; p. 97.
Grass digger, Quack-. O. O. Norby. No. 1,268,992; June 11; v. 251; p. 279.
Grass-edging tool. J. Lentz. No. 1,263,779; Apr. 23; v. 249; p. 861.
Grassing-shovel. J. E. Jones. No. 1,281,167; Oct. 8; v. 255; p. 317.
Grate. J. H. Brown. No. 1,280,151; Oct. 1; v. 255; p. 9.
Grate. W. Fisher. No. 1,255,727; Feb. 5; v. 247; p. 178.
Grate. J. C. and G. L. George. No. 1,278,135; Sept. 10; v. 254; p. 244.
Grate. J. S. Washburn. No. 1,271,398; July 2; v. 252; p. 180.
Grate. J. S. Wilson. No. 1,282,346; Oct. 22; v. 255; p. 708.
Grate and basket, Water-heating fireplace. M. G. Read. No. 1,252,176; Jan. 1; v. 246; p. 214.
Grate and fireplace attachment. L. Cordova, Hijo. No. 1,284,603; Nov. 12; v. 256; p. 330.
Grate and grate-bar. A. C. Brazil. No. 1,272,906; July 16; v. 252; p. 666.
Grate and grate-bar therefor. F. E. Canda. No. 1,269,579; June 18; v. 251; p. 471.
Grate-bar, Adjustable surface. C. Campbell. No. 1,270,694; June 25; v. 251; p. 801.
Grate, Chain. P. L. Crowe and A. Frankenheim. No. 1,281,525; Oct. 15; v. 255; p. 447.
Grate, Coal-. J. W. Tatum. No. 1,261,068; Apr. 2; v. 249; p. 22.
Grate for furnaces using mechanical stokers, Chain. A. L. F. Lefevre. No. 1,261,564; Apr. 2; v. 249; p. 163.
Grate, Forced-draft water-. H. F. Morris and R. Shinn. No. 1,261,268; Apr. 2; v. 249; p. 78.
Grate having removable members, Movable endless. P. Comet and F. Coulon. No. 1,258,535; Mar. 5; v. 248; p. 171.
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Grates, Fuel-igniter for. G. R. Williams. No. 1,263,179; Apr. 16; v. 249; p. 677.
Grater, Vegetable-. I. Bertin. No. 1,255,379; Feb. 5; v. 247; p. 77.
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Grave-lining. G. C. Babich. No. 1,251,616; Jan. 1; v. 246; p. 52.
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Gravel or other materials washing machine. R. W. Dull. No. 1,280,688; Oct. 8; v. 255; p. 185.
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Grease-box for tin-mills, Self feeding and heating. J. Carl. No. 1,272,914; July 16; v. 252; p. 669.
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Grease-container. F. H. Searle. No. 1,265,533; May 7; v. 250; p. 180.
Grease-cup. H. E. Argo. No. 1,253,922; Jan. 15; v. 246; p. 782.
Grease-cup. O. Bakke. No. 1,285,588; Nov. 26; v. 256; p. 659.
Grease-cup. G. E. Baldwin. No. 1,273,806; July 30; v. 252; p. 970.
Grease-cup. R. H. Beach. No. 1,283,628; Nov. 5; v. 256; p. 50.
Grease-cup. G. W. Bowen. No. 1,255,287; Feb. 5; v. 247; p. 49.
Grease-cup. L. G. Copeman. No. 1,269,159; June 11; v. 251; p. 325.
Grease-cup. L. G. Copeman. No. 1,287,889; Dec. 17; v. 257; p. 487.
Grease-cup. S. Dawson. No. 1,268,688; June 4; v. 251; p. 175.
Grease-cup. C. W. Deardorff. No. 1,262,461; Apr. 9; v. 249; p. 443.
Grease-cup. A. J. Dilley. No. 1,255,113; Jan. 29; v. 246; p. 1174.
Grease-cup. G. S. Garren. No. 1,277,059; Aug. 27; v. 253; p. 846.
Grease-cup. C. H. Kelley. No. 1,274,558; Aug. 6; v. 253; p. 62.
Grease-cup. E. Nolan. No. 1,283,271; Oct. 29; v. 255; p. 986.
Grease-cup. W. H. Putnam. No. 1,260,043; Mar. 19; v. 248; p. 675.
Grease-cup. C. M. Rourk. No. 1,264,440; Apr. 30; v. 249; p. 1078.
Grease-cup. W. Rubly. No. 1,278,024; Sept. 3; v. 254; p. 189.
Grease-cup. C. F. Spery. No. 1,251,587; Jan. 1; v. 246; p. 42.
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Gum-wrapper. J. S. Campbell. No. 1,272,004; July 9; v. 252; p. 385.
Gummed-strip severing and moistening machine, Transverse-delivery. C. H. Crowell. No. 1,276,729; Aug. 27; v. 253; p. 760.
Gummed tape and making same, Cloth. C. H. Crowell. No. 1,276,731; Aug. 27; v. 253; p. 760.
Gummed tape, Making cloth. C. H. Crowell. No. 1,276,730; Aug. 27; v. 253; p. 760.
Gumming-machine. A. G. Prior. No. 1,260,446; Mar. 26; v. 248; p. 823.
Gumming-machine. F. D. Taylor. No. 1,255,245; Feb. 5; vol. 247; p. 37.
Gun. F. L. Fencl and F. M. Hinkle. No. 1,254,130; Jan. 22; v. 246; p. 863.
Gun. F. Gadecki. No. 1,269,922; June 18; v. 251; p. 567.
Gun. C. F. Lefever. No. 1,257,501; Feb. 26; v. 247; p. 810.
Gun. C. Mirmillo. No. 1,272,293; July 9; v. 252; p. 466.
Gun. H. J. Peterson. No. 1,278,737; Sept. 10; v. 254; p. 405.
Gun. S. A. Vernia. No. 1,269,661; June 18; v. 251; p. 495.
Gun. J. G. Veteto. No. 1,267,295; May 21; v. 250; p. 729.
Gun-adjusting means. P. Lepak. No. 1,285,253; Nov. 19; v. 256; p. 534.
Gun, Air-. J. De Fir. No. 1,259,463; Mar. 12; v. 248; p. 476.
Gun, Air-. W. B. Greenleaf. No. 1,264,177; Apr. 30; v. 249; p. 1003.
Gun, Air-. W. B. Greenleaf and E. S. Roe. No. 1,268,238; June 4; v. 251; p. 47.
Gun, Air-. C. F. Lefever. No. 1,286,359; Dec. 3; v. 257; p. 43.
Gun, Air-. S. Svenson. No. 1,276,989; Aug. 27; v. 253; p. 827.
Gun attachment. R. M. Williams. No. 1,266,087; May 14; v. 250; p. 365.
Gun, Automatic. G. T. Buckham. No. 1,262,169; Apr. 9; v. 249; p. 363.
Gun, Automatic. A. T. Dawson and G. T. Buckham. No. 1,262,181; Apr. 9; v. 249; p. 366.
Gun-barrel machine. E. H. Ingram. No. 1,279,347; Sept. 17; v. 254; p. 600.
Gun, Blasting-. E. Hutton. No. 1,252,117; Jan. 1; v. 246; p. 198.
Gun, Blasting-. E. Hutton. No. 1,252,118; Jan. 1; v. 246; p. 199.
Gun-carriage. A. T. Dawson and G. T. Buckham. No. 1,266,924; May 21; v. 250; p. 627.
Gun-carriage, Armored. A. Shilala. No. 1,283,334; Oct. 29; v. 255; p. 1002.
Gun carriage, Breech-loading-. G. T. Buckham and F. Smith. No. 1,289,642; Dec. 31; v. 257; p. 968.
Gun carriage, Machine-. G. T. Buckham and F. Smith. No. 1,289,641; Dec. 31; v. 257; p. 968.
Gun-carriage with wide scope of fire for field-artillery. Wheeled. E. Rimailho. No. 1,285,390; Nov. 19; v. 256; p. 569.
Gun-carriage with wide scope of fire, Wheeled. E. Rimailho. No. 1,272,106; July 9; v. 252; p. 414.
Gun, Clay-. E. E. Brosius. No. 1,288,496; Dec. 24; v. 257; p. 662.
Gun-cleaner. C. T. V. Hansen. No. 1,256,478; Feb. 12; v. 247; p. 439.
Gun-cleaning rod. F. D. Brooks. No. 1,288,495; Dec. 24; v. 257; p. 662.
Gun, Disappearing. G. Gerace. No. 1,276,518; Aug. 20; v. 253; p. 664.
Gun, Electric. H. F. Shartzer. No. 1,284,155; Nov. 5; v. 256; p. 189.
Gun feed-belt, Machine-. F. H. Frissell. No. 1,258,553; Mar. 5; v. 248; p. 177.
Gun feed-belt, Machine-. F. H. Frissell. No. 1,260,890; Mar. 26; v. 248; p. 950.
Gun firing device, Automatic. F. Conill. No. 1,288,386; Dec. 17; v. 257; p. 607.
Gun for destroying wire entanglements. J. M. Jennings. No. 1,275,561; Aug. 13; v. 253; p. 366.
Gun, Gasolene-. J. L. Anthony and W. S. Bradford. No. 1,269,574; June 18; v. 251; p. 470.
Gun, Grease-. C. D. France. No. 1,288,554; Dec. 24; v. 257; p. 677.
Gun, Grease-. C. R. Miller. No. 1,285,776; Nov. 26; v. 256; p. 707.
Gun, Machine-. C. Gregg. No. 1,277,307; Aug. 27; v. 253; p. 911.
Gun, Machine-. L. M. McManus. No. 1,273,078; July 16; v. 252; p. 712.
Gun, Machine-. C. A. Nelson. No. 1,256,923; Feb. 19; v. 247; p. 606.
Gun, Machine-. A. B. Revelli. No. 1,286,884; Dec. 3; v. 257; p. 166.
Gun, Mechanical. R. S. Blair. No. 1,284,999; Nov. 19; v. 256; p. 471.
Gun-mount. W. A. Roberts. No. 1,280,304; Oct. 1; v. 255; p. 53.
Gun, Mounted. T. C. Clemmons. No. 1,289,665; Dec. 31; v. 257; p. 973.
Gun-mounting. A. T. Dawson and G. T. Buckham. No. 1,267,854; May 28; v. 250; p. 915.
Gun-muzzle protector. C. Weyand. No. 1,258,283; Mar. 5; v. 248; p. 97.
Gun-operating mechanism, Clay-. E. E. Brosius. No. 1,265,602; May 7; v. 250; p. 198.
Gun, Pneumatic. W. F. Beachy. No. 1,262,004; Apr. 9; v. 249; p. 317.

Gun, Pop-. O. A. Stanard. No. 1,287,780; Dec. 17; v. 257; p. 460.
Gun, Practice-. L. Ziegler. No. 1,265,984; May 14; v. 250; p. 336.
Gun-rack. J. A. Patterson. No. 1,257,107; Feb. 19; v. 247; p. 659.
Gun, Rapid-fire battery-. J. H. Gerner. No. 1,283,728; Nov. 5; v. 256; p. 76.
Gun, Rapid-firing. J. Martin. No. 1,285,765; Nov. 26; v. 256; p. 703.
Gun-rest. M. Lesko. No. 1,277,435; Sept. 3; v. 254; p. 29.
Gun, Sectional. E. B. Levy. No. 1,285,255; Nov. 19; v. 256; p. 535.
Gun-shield. J. B. Stroud. No. 1,279,930; Sept. 24; v. 254; p. 789.
Gun, Shot-. G. Fleming. No. 1,266,573; May 21; v. 250; p. 528.
Gun-sight. J. A. Dittemore. No. 1,256,987; Feb. 19; v. 247; p. 626.
Gun-sight. R. A. Fessenden. No. 1,265,766; May 14; v. 250; p. 275.
Gun-sight. H. R. Frensdorf. No. 1,275,147; Aug. 6; v. 253; p. 227.
Gun-sight. O. Haussler. No. 1,283,171; Oct. 29; v. 255; p. 961.
Gun-sight. M. Hewes. No. 1,257,000; Feb. 19; v. 247; p. 630.
Gun-sight. F. R. Koenig. No. 1,276,545; Aug. 20; v. 253; p. 672.
Gun-sight. E. G. Reising. No. 1,279,908; Sept. 24; v. 254; p. 783.
Gun-sight and mounting therefor. M. R. Randall. No. 1,251,694; Jan. 1; v. 246; p. 76.
Gun-sights and other articles, Die mechanism for shaping. D. Grant. No. 1,273,769; July 23; v. 252; p. 922.
Gun-sights, Making. D. Grant. No. 1,273,770; July 23; v. 252; p. 922.
Gun, Spring-. A. E. Plauschinat. No. 1,269,851; June 18; v. 251; p. 549.
Gun-stock. L. F. Kennedy. No. 1,266,024; May 14; v. 250; p. 347.
Gun-stocks and other articles, Try-out pad for. R. O. Heikes. No. 1,258,771; Mar. 12; v. 248; p. 277.
Gun, Underwater. W. Swiderski. No. 1,270,988; July 2; v. 252; p. 68.
Guns and the like, Mounting for machine-. O. F. and O. F. Perry, Jr. No. 1,273,179; July 23; v. 252; p. 766.
Guns and the like, Mounting for rapid-fire. O. F. and O. F. Perry, Jr. No. 1,273,178; July 23; v. 252; p. 766.
Guns, Bolt for machine-. C. H. Shepard. No. 1,284,478; Nov. 12; v. 256; p. 301.
Guns, Cartridge-feeding belt for machine-. J. G. C. Quéron and J. Courbon. No. 1,273,670; July 23; v. 252; p. 897.
Guns, Elevating mechanism of heavy. A. T. Dawson and J. Horne. No. 1,274,518; Aug. 6; v. 253; p. 51.
Guns, Elevating mechanism of heavy. A. T. Dawson and J. Horne. No. 1,289,692; Dec. 31; v. 257; p. 979.
Guns, Elevating mechanism of heavy. A. T. Dawson and J. Horne. No. 1,289,693; Dec. 31; v. 257; p. 980.
Guns, Feeding and timing mechanism for centrifugal. J. C. Pewther. No. 1,289,895; Dec. 31; v. 257; p. 1030.
Guns, Firing-terminal of blasting-. E. Hutton. No. 1,252,119; Jan. 1; v. 246; p. 199.
Guns, Mounting for automatic. A. T. Dawson and G. T. Buckham. No. 1,272,393; July 16; v. 252; p. 521.
Guns, Projectile for field-. M. Mutro. No. 1,272,984; July 16; v. 252; p. 688.
Guns, Safety device for. L. P. Zeymer. No. 1,256,631; Feb. 19; v. 247; p. 521.
Guns, Single-trigger mechanism for double-barrel. C. W. Lindsay. No. 1,261,414; Apr. 2; v. 249; p. 120.
Guns, Single-trigger mechanism for double-barrel. F. S. Novotny. No. 1,268,760; June 4; v. 251; p. 195.
Gunboat. G. H. Pegram. No. 1,281,413; Oct. 15; v. 255; p. 417.
Gutters, Corner-turn for. W. H. Klauer. No. 1,260,778; Mar. 26; v. 248; p. 921.
Guy-clamp. H. W. Pleister. No. 1,287,742; Dec. 17; v. 257; p. 451.
Guy-clamp. H. W. Pleister. No. 1,288,176; Dec. 17; v. 257; p. 559.
Guy-clamp, Hinged. J. Blackburn. No. 1,252,540; Jan. 8; v. 246; p. 352.
Guy-rod. H. W. Pleister. No. 1,258,140; Mar. 5; v. 248; p. 56.
Guy-strand clamp. B. M. Mathias. No. 1,275,283; Aug. 13; v. 253; p. 290.
Gyroscope. J. P. Hennessy. No. 1,289,170; Dec. 31; v. 257; p. 850.
Gyroscope-brake. W. L. Riley. No. 1,259,293; Mar. 12; v. 248; p. 425.
Gyroscopic navigation apparatus. E. A. Sperry. No. 1,255,480; Feb. 5; v. 247; p. 106.
Hacksaw. L. S. Starrett. No. 1,259,799; Mar. 19; v. 248; p. 602.
Hacksaw and broaching machine. H. Embree. No. 1,275,883; Aug. 13; v. 253; p. 457.
Hacksaw and broaching machine. H. Embree. (Reissue.) No. 14,542; Oct. 29; v. 255; p. 1032.
Hacksaw-frame. J. Donnelly. No. 1,258,202; Mar. 5; v. 248; p. 73.
Hacksaw-frame. J. Donnelly. No. 1,277,879; Sept. 3; v. 254; p. 152.
Hacksaw-machine. H. Wardman. No. 1,269,883; June 18; v. 251; p. 558.
Hacksaw-machine, Power. A. Rasmussen. No. 1,253,421; Jan. 15; v. 246; p. 641.
Hacksaw, Power-. F. J. Miller. No. 1,264,202; Apr. 30; p. 249; p. 1011.
Hacksaw, Power-driven. T. Rae. No. 1,281,417; Oct. 15; v. 255; p. 418.
Hacksaws, Self-adjusting guard for. R. S. Barnum. No. 1,280,943; Oct. 8; v. 255; p. 254.
Hair and hat pin, Combination. E. Long. No. 1,266,505; May 14; v. 250; p. 479.
Hair-binder. M. Little. No. 1,251,900; Jan. 1; v. 246; p. 136.
Hair-brush, Pocket. J. D. Walbach. No. 1,282,996; Oct. 29; v. 255; p. 915.
Hair-clasp. E. Noyes. No. 1,268,875; June 11; v. 251; p. 246.
Hair-clipper. J. Cox. No. 1,257,679; Feb. 26; v. 247; p. 862.
Hair-clipper. L. H. Sammons. No. 1,264,443; Apr. 30; v. 249; p. 1079.
Hair-clipper. G. Santomauro. No. 1,260,247; Mar. 19; v. 248; p. 731.
Hair-clipper. L. E. Vass. No. 1,275,107; Aug. 6; v. 253; p. 216.
Hair-curler. G. G. Campana. No. 1,269,158; June 11; v. 251; p. 324.
Hair-curler. A. Newdall. No. 1,280,281; Oct. 1; v. 255; p. 46.
Hair-curler. E. M. Pickard. No. 1,253,880; Jan. 15; v. 246; p. 771.
Hair-curler. J. H. and L. E. Schenck. No. 1,256,597; Feb. 19; v. 247; p. 510.
Hair-curler, Electric. E. Schwartz. No. 1,284,792; Nov. 12; v. 256; p. 378.
Hair curler or roller. E. F. Suter. No. 1,266,880; May 21; v. 250; p. 614.
Hair-curling kit, Electric. S. Stuckey. No. 1,273,199; July 23; v. 252; p. 772.
Hair-curling machine. A. F. Grabowski. No. 1,255,410; Feb. 5; v. 247; p. 86.
Hair-cutting device. W. S. Dignam. No. 1,280,972; Oct. 8; v. 255; p. 262.
Hair-cutting machine. M. Petrella. No. 1,255,461; Feb. 5; v. 247; p. 100.
Hair-cutting tool. A. C. Scheithe. No. 1,251,925; Jan 1; v. 246; p. 143.
Hair-cutting tool. A. A. T. Stable. No. 1,286,823; Dec. 3; v. 257; p. 152.
Hair-drier. M. Thompson. No. 1,283,357; Oct. 29; v. 255; p. 1009.
Hair-drier and sunshade. M. Thompson. No. 1,283,358; Oct. 29; v. 255; p. 1010.
Hair-drier, Electric. W. G. Trautman. No. 1,259,170; Mar. 12; v. 248; p. 394.
Hair drying and waving apparatus. H. and H. Jacobs. No. 1,260,266; Mar. 19; v. 248; p. 736.
Hair drying and waving apparatus. H. and H. Jacobs. No. 1,260,267; Mar. 19; v. 248; p. 736.
Hair drying and waving apparatus. H. and H. Jacobs. No. 1,260,268; Mar. 19; v. 248; p. 737.
Hair-drying apparatus. J. A. Crew. No. 1,255,585; Feb. 5; v. 247; p. 137.
Hair-drying apparatus. M. M. Moffitt. No. 1,269,837; June 18; v. 251; p. 545.
Hair, Electrical heating apparatus for permanently waving. E. F. Suter. No. 1,266,879; May 21; v. 250; p. 613.
Hair-fastener. I. O. Magnuson. No. 1,274,920; Aug. 6; v. 253; p. 165.
Hair fluffer and perfumer. G. L. Scheel. No. 1,252,499; Jan. 8; v. 246; p. 340.
Hair-net package. H. Grossmann. No. 1,288,405; Dec. 17; v. 257; p. 612.
Hair-pin. P. Evans. No. 1,253,161; Jan. 8; v. 246; p. 533.
Hair-pin. W. F. Focha. No. 1,256,005; Feb. 12; v. 247; p. 299.
Hair-pin. M. Gollub. No. 1,268,959; June 11; v. 251; p. 269.
Hair-pin. J. G. Klee. No. 1,273,872; July 30; v. 252; p. 989.
Hair-pin. H. R. Noyes. No. 1,252,936; Jan. 8; v. 246; p. 465.
Hair pin and comb. Y. Sumitani. No. 1,281,227; Oct. 8; v. 255; p. 333.
Hair-pin, Locking. J. P. Burke. No. 1,272,209; July 9; v. 252; p. 441.
Hair-pins and the like, Mounting for. H. M. Owens. No. 1,273,530; July 23; v. 252; p. 859.
Hair-spring-bending device. L. Fonnesbeck and W. B. England. No. 1,251,765; Jan. 1; v. 246; p. 97.
Hair-spring collet. F. Ecaubert. No. 1,283,705; Nov. 5; v. 256; p. 70.
Hair-trimmer and safety-razor, Combination. J. H. Cowan. No. 1,288,522; Dec. 24; v. 257; p. 669.

Hair-waver. H. H. Klein. No. 1,270,623; June 25; v. 251; p. 784.
Hair-waving apparatus. H. and H. Jacobs. No. 1,268,848; June 11; v. 251; p. 239.
Hair-waving iron. F. Marcel. No. 1,277,739; Sept. 3; v. 254; p. 113.
Hair waving or treating appliance. H. E. Marcel. No. 1,263,582; Apr. 23; v. 249; p. 809.
Halogen products of hydrocarbons, Apparatus for manufacturing. B. S. Lacy. No. 1,263,906; Apr. 23; v. 249; p. 897.
Halter and bridle, Combined. O. P. Robinson. No. 1,278,021; Sept. 3; v. 254; p. 188.
Halter, Rope. J. Kub. No. 1,254,412; Jan. 22; v. 246; p. 942.
Ham-boiler. H. Adelmann. No. 1,272,883; July 16; v. 252; p. 660.
Hams to prevent souring, Treating. L. N. Boelio. No. 1,271,501; July 2; v. 252; p. 208.
Hame. F. V. Skinner. No. 1,255,058; Jan. 29; v. 246; p. 1159.
Hame and neck-yoke attachment. G. A. Herron. No. 1,262,947; Apr. 16; v. 249; p. 610.
Hame and trace connection. J. Reichert. No. 1,254,275; Jan. 22; v. 246; p. 903.
Hame and trace connector. G. F. Cashell. No. 1,257,808; Feb. 26; v. 247; p. 900.
Hame attachment. E. R. Bilderback. No. 1,275,646; Aug. 13; v. 253; p. 390.
Hame connection. T. G. McQueen. No. 1,260,225; Mar. 19; v. 248; p. 724.
Hame-fastener. J. Belway. No. 1,289,091; Dec. 31; v. 257; p. 831.
Hame-fastener. L. E. Blunt. No. 1,281,277; Oct. 15; v. 255; p. 378.
Hame-fastener, Top. V. W. Wilson. No. 1,285,530; Nov. 19; v. 256; p. 604.
Hammer. W. Kingsley. No. 1,262,515; Apr. 9; v. 249; p. 458.
Hammer. L. S. Starrett. No. 1,258,053; Mar. 5; v. 248; p. 30.
Hammer-action, Pneumatic. F. G. Lynde. No. 1,266,965; May 21; v. 250; p. 637.
Hammer and forging-press, Combined steam-. T. E. Holmes. No. 1,275,688; Aug. 13; v. 253; p. 401.
Hammer and stone-cutter, Electrical. J. J. Roberts. No. 1,284,930; Nov. 12; v. 256; p. 415.
Hammer and tool-holder, Combination. W. F. Wilson. No. 1,258,070; Mar. 5; v. 248; p. 35.
Hammer, Automatic. G. L. Kollock and R. P. Martin. No. 1,273,873; July 30; v. 252; p. 989.
Hammer, Branding-. W. F. Pennington. No. 1,259,904; Mar. 19; v. 248; p. 634.
Hammer, Claw-. W. R. Benjamin. No. 1,287,619; Dec. 17; v. 257; p. 419.
Hammer, Combination-. J. T. Johnson. No. 1,286,335; Dec. 3; v. 257; p. 37.
Hammer, Combination percussion-. T. Karatsu. No. 1,267,554; May 28; v. 250; p. 828.
Hammer controller, Electric-. A. Wendelburg. No. 1,262,149; Apr. 9; v. 249; p. 356.
Hammer die, Power-. T. O'Toole. No. 1,279,751; Sept. 24; v. 254; p. 736.
Hammer-die-securing means, Steam-. E. Welander. No. 1,261,983; Apr. 9; v. 249; p. 311.
Hammer-drill, Universal. E. C. Truyter. No. 1,283,601; Nov. 5; v. 256; p. 42.
Hammer, Drop-. W. H. Carpenter. No. 1,265,608; May 7; v. 250; p. 200.
Hammer, Drop-. W. Merrill. No. 1,277,985; Sept. 3; v. 254; p. 179.
Hammer, Electric. V. E. Lane. No. 1,278,359; Sept. 10; v. 254; p. 304.
Hammer, Electric. G. M. Painter. No. 1,276,804; Aug. 27; v. 253; p. 779.
Hammer, Electrically-operated. G. M. Painter. No. 1,276,104; Aug. 20; v. 253; p. 549.
Hammer, Fluid-power. E. J. Fritsch and R. W. Nazel. No. 1,268,231; June 4; v. 251; p. 45.
Hammer, Fluid-power. R. W. Nazel. No. 1,268,270; June 4; v. 251; p. 57.
Hammer for rotary mills. M. F. Williams. No. 1,266,894; May 21; v. 250; p. 618.
Hammer-handle fastener. C. M. Erickson. No. 1,267,195; May 21; v. 250; p. 704.
Hammer, Magazine tack-. W. Jacoby. No. 1,262,803; Apr. 16; v. 249; p. 570.
Hammer mechanism, Extensible. W. W. Lasker. No. 1,253,696; Jan. 15; v. 246; p. 719.
Hammer, Pneumatic. H. F. Jones, J. E. Lane, and E. M. Lillie. No. 1,259,409; Mar. 12; v. 248; p. 460.
Hammer, Power-. D. Bell. No. 1,260,745; Mar. 26; v. 248; p. 912.
Hammer, Power-. W. Masillan. No. 1,263,267; Apr. 16; v. 249; p. 699.
Hammer, Power-. K. Salo and M. Sherman. No. 1,255,793; Feb. 5; v. 247; p. 196.
Hammer, Power-driven. A. Hunter. No. 1,251,667; Jan. 1; v. 246; p. 68.
Hammer, Riveting-. F. E. Johnson. No. 1,277,080; Aug. 27; v. 253; p. 852.
Hammer, Rotary. H. M. Plaisted. No. 1,281,829; Oct. 15; v. 255; p. 527.
Hammer safety device, Pneumatic-. M. E. Arkills. No. 1,267,163. May 21; v. 250; p. 695.
Hammer, stamping-machine, and the like, Power-. J. Mitchell and A. Binns. No. 1,254,832; Jan. 29; v. 246; p. 1096.
Hammer, Subaqueous pile-. T. E. Sturtevant. No. 1,257,762; Feb. 26; v. 247; p. 887.
Hammers and other tools, Head for. N. S. Mosley. No. 1,267,441; May 28; v. 250; p. 798.
Hammers, Repairing device for steam-. C. T. Burlin. No. 1,252,084; Jan. 1; v. 246; p. 189.
Hammers, Safety appliance for automatic. S. W. Morrow. No. 1,269,729; June 18; v. 251; p. 514.
Hammers, Valve-adjusting device for steam-. C. J. Carlson. No. 1,265,173; May 7; v. 250; p. 83.
Hammock backs and the like, Movable cushion for couch-. W. B. Foster. No. 1,270,807; July 2; v. 252; p. 15.
Hammock-chair for handling invalids. E. R. Perrin. No. 1,280,108; Sept. 24; v. 254; p. 837.
Hammocks, Support for jail-. W. D. Couch. No. 1,270,599; June 25; v. 251; p. 777.
Hand and arm, Artificial. L. G. Caron. No. 1,272,006; July 9; v. 252; p. 385.
Hand and arm, Artificial. L. G. Caron. No. 1,278,106; Sept. 10; v. 254; p. 236.
Hand, Artificial. L. G. Caron. No. 1,284,875; Nov. 12; v. 256; p. 401.
Hand, Artificial. L. G. Caron. No. 1,285,617; Nov. 26; v. 256; p. 666.
Hand, Artificial. D. P. Christmann. No. 1,268,546; June 4; v. 251; p. 135.
Hand, Artificial. E. L. O'Connor. No. 1,277,747; Sept. 3; v. 254; p. 116.
Hand-bag. G. Rottman. No. 1,289,920; Dec. 31; v. 257; p. 1036.
Hand-bag. A. J. Scheuer. No. 1,268,633; June 4; v. 251; p. 161.
Hand-bag. B. Steinman. No. 1,285,452; Nov. 19; v. 256; p. 586.
Hand-bag, Flexible or rigid. E. Kosta. No. 1,273,875; July 30; v. 252; p. 990.
Hand-brake. N. Krohn. No. 1,258,689; Mar. 12; v. 248; p. 255.
Hand-brake. J. F. O'Connor. No. 1,273,910; July 30; v. 252; p. 1000.
Hand-brake. W. H. Sauvage. No. 1,263,123; Apr. 16; v. 249; p. 662.
Hand brake mechanism. A. K. Pehrson. No. 1,286,762; Dec. 3; v. 257; p. 138.
Hand-covering. R. E. H. O'Reilly. No. 1,283,548; Nov. 5; v. 256; p. 29.
Hand-covering. P. D. Zeigler. No. 1,271,110; July 2; v. 252; p. 101.
Hand-drill. J. Robb and E. S. Lyons. No. 1,272,108; July 9; v. 252; p. 414.
Hand-grip, Artificial. Q. D. Corley. No. 1,289,400; Dec. 31; v. 257; p. 909.
Hand-grip, Artificial. B. Jeffery. No. 1,263,675; Apr. 23; v. 249; p. 833.
Hand-hole scraper. J. A. Hartwick. No. 1,282,691; Oct. 22; v. 255; p. 801.
Hand-iron. M. J. Baker. No. 1,270,587; June 25; v. 251; p. 774.
Hand-operated drill. C. O. Bert. No. 1,267,174; May 21; v. 250; p. 699.
Hand-pad. F. H. Stanwood. No. 1,259,798; Mar. 19; v. 248; p. 602.
Hand-rake. A. K. Gilson. No. 1,267,654; May 28; v. 250; p. 857.
Hand-rest, Touch-system. W. J. Anderson. No. 1,277,169; Aug. 27; v. 253; p. 877.
Hand-warmer, Steering-wheel. C. W. and J. T. Kemper. No. 1,276,930; Aug. 27; v. 253; p. 811.
Hands, Protective device for infants'. M. C. Bowen. No. 1,260,865; Mar. 26; v. 248; p. 944.
Handcuff. F. E. Walden. No. 1,252,517; Jan. 8; v. 246; p. 345.
Handle: *See*—

Air-brake-valve handle.	Electric-light handle.
Attachable handle.	Furnace-door handle.
Auger-handle.	Garden-tool handle.
Automobile-jack handle.	Jack-handle.
Basket-handle.	Paper-box handle.
Bicycle-handle.	Railway-switch handle.
Brake-handle.	Revolver-handle.
Brake-wheel-operating handle.	Sash-hanger.
Broom-handle.	Satchel-handle.
Car-brake handle.	Saw-handle.
Car-door hanger.	Shovel-handle.
Car-seat grab-handle.	Spring broom-handle.
Container-handle.	Trunk-handle.
Detachable handle.	Utensil-handle.

Handle. W. Handler. No. 1,272,948; July 16; v. 252; p. 677.
Handle. K. Knudson. No. 1,273,379; July 23; v. 252; p. 818.
Handle and terminal connection for electrically-heated instruments. F. Kuhn and J. A. Hand. No. 1,270,303; June 25; v. 251; p. 695.
Handle assembly. J. T. Allmand. No. 1,278,552; Sept. 10; v. 254; p. 355.

Handle attachment. A. M. Grubbs. No. 1,254,686; Jan. 29; v. 246; p. 1050.
Handle attachment. A. M. Grubbs. (Reissue.) No. 14,554; Nov. 26; v. 256; p. 809.
Handle attachment. H. B. Wing. No. 1,265,852; May 14; v. 250; p. 299.
Handle attachment and name-plate for electrically-heated instruments, Combined. F. Kuhn and J. A. Hand. No. 1,258,122; Mar. 5; v. 248; p. 51.
Handle construction, Detachable-. J. M. Lee. No. 1,266,832; May 21; v. 250; p. 601.
Handle for lifting and other uses. W. Gries. No. 1,267,659; May 28; v. 250; p. 858.
Handle-machine. E. Craig. No. 1,264,901; May 7; v. 250; p. 8.
Handles and the like, Eye for. J. F. Riley. No. 1,260,709; Mar. 26; v. 248; p. 901.
Handling apparatus, Material-. R. Elder. No. 1,285,080; Nov. 19; v. 256; p. 492.
Handling racks, Apparatus for. F. J. Lovering. No. 1,288,628; Dec. 24; v. 257; p. 695.
Handling racks, Apparatus for. F. J. Lovering. No. 1,289,488; Dec. 31; v. 257; p. 930.
Handsaw. F. Carlfield. No. 1,284,591; Nov. 12; v. 256; p. 328.
Handsaw. F. T. Weaver. No. 1,287,537; Dec. 10; v. 257; p. 367.
Handsaw and square, Combined. S. L. Dennis. No. 1,261,219; Apr. 2; v. 249; p. 63.
Hanger: *See*—
Bell-cord hanger.
Bicycle-hanger.
Book-hanger.
Bowl-hanger.
Brake-hanger.
Brake-beam hanger.
Broom-hanger.
Brush-hanger.
Cable-hanger.
Car-door hanger.
Clothes-hanger.
Clothes-line hanger.
Coat-hanger.
Coat and trousers hanger.
Corn-hanger.
Crank-hanger.
Display-hanger.
Door-hanger.
Eaves-trough hanger.
Electric-light-bowl hanger.
Garment-hanger.
Gas-bell hanger.
Harness-hanger.
Headache-hanger.
Light - reflecting - bowl hanger.
Motor-hanger.
Outlet-box hanger.
Pants-hanger.
Paper-hanger.
Picture-hanger.
Pipe-hanger.
Sash-hanger.
Screen and storm sash hanger.
Shade-hanger.
Shade and curtain hanger.
Shaft-hanger.
Sign-hanger.
Skirt-hanger.
Slidable hanger.
Spring-hanger.
Stovepipe-hanger.
Sucker-rod hanger.
Swing-hanger.
Tie-hanger.
Tobacco-hanger.
Toy-hanger.
Transmission-hanger.
Trousers and coat hanger.
Watch-hanger.
Window-hanger.
Hanger. C. G. Hanson. No. 1,281,562; Oct. 15; v. 255; p. 456.
Hanger. V. H. Mankey. No. 1,253,852; Jan. 15; v. 246; p. 764.
Hanger. W. V. B. Marquette. No. 1,251,800; Jan. 1; v. 246; p. 108.
Hanger-anchor. W. E. Kelly. No. 1,266,128; May 14; v. 250; p. 377.
Hanger and musical instrument, Combined. L. Jacobs. No. 1,286,595; Dec. 3; v. 257; p. 101.
Hanger-rack. W. A. Smith. No. 1,264,342; Apr. 30; v. 249; p. 1049.
Hanging bracket. K. A. Bescher. No. 1,282,174; Oct. 22; v. 255; p. 661.
Hardness-testing machine. F. L. Morse. No. 1,255,913; Feb. 12; v. 247; p. 271.
Harmonica. B. F. Laukandt. No. 1,285,747; Nov. 26; v. 256; p. 699.
Harness. S. H. Brecheen. No. 1,265,040; May 7; v. 250; p. 47.
Harness and the like coupling. H. J. Leonard. No. 1,269,618; June 18; v. 251; p. 484.
Harness attachment. H. E. Cook. No. 1,274,143; July 30; v. 252; p. 1066.
Harness-bit. E. Morrey. No. 1,278,717; Sept. 10; v. 254; p. 400.
Harness-buckle. L. J. Wessel. No. 1,281,450; Oct. 15; v. 255; p. 427.
Harness for children, Safety-. L. M. Pick. No. 1,288,170; Dec. 17; v. 257; p. 558.
Harness-hanger. E. Nyhus. No. 1,253,870; Jan. 15; v. 246; p. 768.
Harness-hook. P. L. Weimerskirsch. No. 1,254,556; Jan. 22; v. 246; p. 984.
Harness-hook, Adjustable. G. T. Moen. No. 1,264,837; Apr. 30; v. 249; p. 1185.
Harness, Interchangeable draft-. W. W. Hiley. No. 1,266,264; May 14; v. 250; p. 414.
Harness-snap. T. E. Moffitt. No. 1,271,348; July 2; v. 252; p. 167.
Harness-snap. D. Thompson. No. 1,282,141; Oct. 22; v. 255; p. 653.
Harness-tug. M. Opsahl. No. 1,280,529; Oct. 1; v. 255; p. 115.
Harpoon-fork. F. R. Lindstrom. No. 1,272,686; July 16; v. 252; p. 603.
Harps, Ball-bearing for. W. I. Kirk. No. 1,269,718; June 18; v. 251; p. 511.
Harrow. C. D. Adair. No. 1,273,801; July 30; v. 252; p. 969.
Harrow. J. F. Buchmier. No. 1,260,318; Mar. 26; v. 248; p. 786.
Harrow. L. Febre. No. 1,285,089; Nov. 19; v. 256; p. 493.
Harrow. G. H. Ferguson. No. 1,274,866; Aug. 6; v. 253; p. 150.
Harrow. J. D. Garrett. No. 1,286,581; Dec. 3; v. 257; p. 97.
Harrow. L. G. Hardy. No. 1,281,358; Oct. 15; v. 255; p. 402.
Harrow. J. B. Hill. No. 1,272,260; July 9; v. 252; p. 456.
Harrow. H. P. Johnson. No. 1,255,425; Feb. 5; v. 247; p. 90.
Harrow. W. H. Lee. No. 1,253,609; Jan. 15; v. 246; p. 693.
Harrow. I. Leslie. No. 1,254,817; Jan. 29; v. 246; p. 1091.
Harrow. H. Lewis. No. 1,287,363; Dec. 10; v. 257; p. 326.
Harrow. A. Lovstad. No. 1,268,861; June 11; v. 251; p. 243.
Harrow. H. E. Rea. No. 1,262,983; Apr. 16; v. 249; p. 620.
Harrow. G. W. Reaves. No. 1,266,049; May 14; v. 250; p. 354.
Harrow. A. H. Reed. No. 1,268,150; June 4; v. 251; p. 23.
Harrow. C. Peterson. No. 1,274,586; Aug. 6; v. 253; p. 71.
Harrow. F. J. Silveria. No. 1,264,447; Apr. 30; v. 249; p. 1080.
Harrow. C. O. Stensrud. No 1,280,894; Oct. 8; v. 255; p. 242.
Harrow. C. Tobrason. No. 1,278,791; Sept. 10; v. 254; p. 420.
Harrow. H. U. Wakefield. No. 1,265,979; May 14; v. 250; p. 335.
Harrow. H. T. Whidden. No. 1,285,514; Nov. 19; v. 256; p. 600.
Harrow and cultivator attachment, Side-. W. L. Holt. No. 1,289,764; Dec. 31; v. 257; p. 998.
Harrow and cultivator, Self-cleaning. J. C. Miner. No. 1,255,035; Jan. 29; v. 246; p. 1152.
Harrow and drag. W. W. Ward. No. 1,254,095; Jan. 22; v. 246; p. 852.
Harrow and hoe, Combined. H. E. Trager. No. 1,272,152; July 9; v. 252; p. 427.
Harrow and seeder. L. W. Wooden. No. 1,289,994; Dec. 31; v. 257; p. 1054.
Harrow and weeder, Rotary spike-tooth. E. L. Welsh. No. 1,289,023; Dec. 24; v. 257; p. 790.
Harrow attachment. M. A. Caudle. No. 1,251,636; Jan. 1; v. 246; p. 57.
Harrow attachment. F. Harland. No. 1,256,225; Feb. 12; v. 247; p. 366.
Harrow attachment. J. O. Johnson. No. 1,284,901; Nov. 12; v. 256; p. 407.
Harrow attachment, Disk-. A. Schulte. No. 1,266,328; May 14; v. 250; p. 431.
Harrow attachment for plows. W. E. Shepard. No. 1,281,676; Oct. 15; v. 255; p. 485.
Harrow boxing, Disk-. G. N. Palser. No. 1,254,843; Jan. 29; v. 246; p. 1099.
Harrow boxing, Disk-. N. E. Thompson. No. 1,287,518; Dec. 10; v. 257; p. 363.
Harrow, Disk. W. Fetzer. No. 1,281,324; Oct. 15; v. 255; p. 392.
Harrow, Disk. F. H. French. No. 1,286,986; Dec. 10; v. 257; p. 231.
Harrow, Disk. E. F. High. No. 1,253,175; Jan. 8; v. 246; p. 537.
Harrow, Disk. L. H. Kaupke. No. 1,270,299; June 25; v. 251; p. 693.
Harrow, Disk. C. E. White. No. 1,289,989; Dec. 31; v. 257; p. 1053.
Harrow, Disk. G. W. Willis. No. 1,260,497; Mar. 26; v. 248; p. 838.
Harrow-dumping attachment. S. W. Crane. No. 1,260,516; Mar. 26; v. 248; p. 844.
Harrow, Revolving. O. O. Tveten. No. 1,253,307; Jan. 15; v. 246; p. 604.
Harrow, Rotary. J. H. Allen. No. 1,280,361; Oct. 1; v. 255; p. 69.
Harrow, Rotary. F. Erickson. No. 1,261,727; Apr. 2; v. 249; p. 207.
Harrow, Rotary. H. E. Owens. No. 1,270,317; June 25; v. 251; p. 699.
Harrow, Rotary. J. G. Williams. No. 1,261,881; Apr. 9; v. 249; p. 283.
Harrow, Spring-tooth. D. W. Tozier. No. 1,278,793; Sept. 10; v. 254; p. 420.
Harrow, Spring-toothed. J. J. Kovar. No. 1,266,489; May 14; v. 250; p. 474.
Harrow-tooth. H. M. Gooding. No. 1,276,645; Aug. 20; v. 253; p. 699.
Harrow-tooth cleaner. N. P. Johnson. No. 1,263,423; Apr. 23; v. 249; p. 764.

Harrow, Wheel-. N. P. Johnson. No. 1,263,422; Apr. 23; v. 249; p. 764.
Harrow, Wheeled sectional. W. H. Mize. No. 1,272,294; July 9; v. 252; p. 466.
Harrows, Adjusting mechanism for disk. F. H. French. No. 1,277,400; Sept. 3; v. 254; p. 19.
Harrows and the like, Riding attachment for. C. S. Sharp. No. 1,257,407; Feb. 26; v. 247; p. 781.
Harrows, Folding draw-bar for. C. M. Hair. No. 1,251,883; Jan. 1; v. 246; p. 132.
Harvester. W. Bailey. No. 1,286,906; Dec. 10; v. 257; p. 211.
Harvester. A. N. Byers. No. 1,255,982; Feb. 12; v. 247; p. 293.
Harvester. C. J. Gardner. No. 1,260,659; Mar. 26; v. 248; p. 887.
Harvester. T. A. Malone. No. 1,264,111; Apr. 23; v. 249; p. 951.
Harvester. E. D. Packer. No. 1,278,800; Sept. 3; v. 254; p. 183.
Harvester. C. R. Raney. No. 1,255,930; Feb. 12; v. 247; p. 276.
Harvester. J. B. Spry. No. 1,267,138; May 21; v. 250; p. 688.
Harvester. J. W. Thompson. No. 1,271,803; July 9; v. 252; p. 325.
Harvester and topping machine, Beet. B. Kaufhold and J. A. Ess. No. 1,257,081; Feb. 19; v. 247; p. 652.
Harvester attachment. H. J. Mentink. No. 1,257,092; Feb. 19; v. 247; p. 655.
Harvester attachment, Corn-. J. H. Downing. No. 1,259,495; Mar. 19; v. 248; p. 517.
Harvester, Bean-. L. A. Grojean. No. 1,264,385; Apr. 30; v. 249; p. 1061.
Harvester, Bean-. H. F. Hardy. No. 1,271,705; July 9; v. 252; p. 300.
Harvester, Bean-. C. A. Martin. No. 1,284,737; Nov. 12; v. 256; p. 365.
Harvester, Bean-. T. Masuda. No. 1,257,269; Feb. 19; v. 247; p. 707.
Harvester, Bean-. E. Sessions. No. 1,256,172; Feb. 12; v. 247; p. 349.
Harvester, Bean-. W. A. Wynan. No. 1,275,640; Aug. 13; v. 253; p. 388.
Harvester, Beet-. S. C. Beale and A. B. Knight. No. 1,272,604; July 16; v. 252; p. 579.
Harvester, Beet-. A. G. Bimson. No. 1,268,085; June 4; v. 251; p. 4.
Harvester, Beet-. J. S. Cooper. No. 1,257,953; Feb. 26; v. 247; p. 942.
Harvester, Beet-. E. H. Coppins. No. 1,263,529; Apr. 23; v. 249; p. 794.
Harvester, Beet-. F. E. Glaze. No. 1,280,207; Oct. 1; v. 255; p. 26.
Harvester, Beet-. G. G. Hirasawa. No. 1,261,233; Apr. 2; v. 249; p. 67.
Harvester, Beet-. M. Kuky. No. 1,283,810; Nov. 5; v. 256; p. 97.
Harvester, Beet-. T. B. Pike. No. 1,286,092; Nov. 26; v. 256; p. 783.
Harvester, Beet-. W. Pratt. No. 1,271,076; July 2; v. 252; p. 91.
Harvester, Beet-. W. Pratt. No. 1,287,428; Dec. 10; v. 257; p. 342.
Harvester, Beet-. J. Van Beek. No. 1,288,300; Dec. 17; v. 257; p. 588.
Harvester, Beet-. C. O. Wayman. No. 1,259,178; Mar. 12; v. 248; p. 396.
Harvester, Beet-. L. G. Wilson. No. 1,257,168; Feb. 19; v. 247; p. 677.
Harvester-butt adjuster. C. H. Lohmann. No. 1,260,410; Mar. 26; v. 248; p. 812.
Harvester, Combined. J. T. Breneman. No. 1,269,522; June 11; v. 251; p. 424.
Harvester, Combined. B. C. Holt. No. 1,282,422; Oct. 22; v. 255; p. 728.
Harvester, Combined. N. C. Nelson. No. 1,255,209; Feb. 5; v. 247; p. 28.
Harvester, Corn-. B. R. Benjamin. No. 1,282,031; Oct. 22; v. 255; p. 621.
Harvester, Corn-. C. Bohm. No. 1,257,972; Mar. 5; v. 248; p. 7.
Harvester, Corn-. C. Bohm. No. 1,285,005; Nov. 19; v. 256; p. 473.
Harvester, Corn-. W. D. Hazenhyer. No. 1,278,644; Sept. 10; v. 254; p. 380.
Harvester, Corn-. R. E. Meharry. No. 1,256,347; Feb. 12; v. 247; p. 402.
Harvester, Corn-. N. H. Nelson. No. 1,259,767; Mar. 19; v. 248; p. 593.
Harvester, Corn-. A. H. Vincent. No. 1,288,301; Dec. 17; v. 257; p. 588.
Harvester, Cotton-. L. J. Berry. No. 1,273,814; July 30; v. 252; p. 973.
Harvester, Cotton-. L. W. Campbell. No. 1,277,851; Sept. 3; v. 254; p. 144.
Harvester, Cotton-. R. Cannan. No. 1,259,356; Mar. 12; v. 248; p. 445.
Harvester, Cotton-. A. E. Stark and M. A. Garrett. No. 1,275,781; Aug. 13; v. 253; p. 427.
Harvester, Cow-pea. A. E. Heitzel. No. 1,280,842; Oct. 8; v. 255; p. 229.
Harvester elevating mechanism. B. R. Benjamin. No. 1,288,479; Dec. 24; v. 257; p. 658.
Harvester, Ensilage-. C. C. Gray. No. 1,256,683; Feb. 19; v. 247; p. 536.
Harvester, Ensilage-. A. G. and A. Ronning. No. 1,257,403; Feb. 26; v. 247; p. 780.
Harvester, Grain-. E. W. Burgess. No. 1,278,102; Sept. 10; v. 254; p. 235.
Harvester-headers, Attachment for. W. J. Walker. No. 1,268,302; June 4; v. 251; p. 66.
Harvester, Kelp-. H. A. Lowman. No. 1,280,781; Oct. 8; v. 255; p. 211.
Harvester knife, Non-clogging corn-. G. H. Waters. No. 1,276,295; Aug. 20; v. 253; p. 602.
Harvester, Pea-. F. V. Scott. No. 1,270,448; June 25; v. 251; p. 735.
Harvester, Peanut-. Z. W., Sr., and Z. W. Green, Jr. No. 1,264,294; Apr. 30; v. 249; p. 1036.
Harvester, Peanut-. W. Keith. No. 1,262,353; Apr. 9; v. 249; p. 414.
Harvester, Peanut-. P. D. Phillips. No. 1,270,202; June 18; v. 251; p. 641.
Harvester, Peanut-. R. E. Thomas. No. 1,263,149; Apr. 16; v. 249; p. 669.
Harvester, Peanut-. H. C. Williams. No. 1,267,614; May 28; v. 250; p. 846.
Harvester, Potato-. C. J. Cummings. No. 1,285,632; Nov. 26; v. 256; p. 669.
Harvester, Power-driven stripper or header. J. O. Brook. No. 1,286,220; Dec. 3; v. 257; p. 9.
Harvester-reel. W. S. Geer. No. 1,270,146; June 18; v. 251; p. 627.
Harvester-reel support. I. Trolley. No. 1,251,939; Jan. 1; v. 246; p. 146.
Harvester, Sugar-beet. S. G. Bollinger. No. 1,283,641; Nov. 5; v. 256; p. 54.
Harvester, Tractor-propelled. E. W. Burgess. No. 1,290,017; Dec. 31; v. 257; p. 1060.
Harvester, Two-row corn-. R. Galbraith. No. 1,283,721; Nov. 5; v. 256; p. 74.
Harvester, Vegetable-. R. Matheson. No. 1,256,713; Feb. 19; v. 247; p. 544.
Harvester, Vegetable-. J. W. Radke. No. 1,255,051; Jan. 29; v. 246; p. 1157.
Harvesters and the like, Guard attachment for. R. E. Porterfield. No. 1,277,257; Aug. 27; v. 253; p. 899.
Harvesters, Bundle-carrier attachment for. E. Whitlow. No. 1,256,410; Feb. 12; v. 247; p. 421.
Harvesters, Connection between finger-bar heads and sickle-bar heads for. G. Harer. No. 1,289,745; Dec. 31; v. 257; p. 993.
Harvesters, Elevating and topping mechanism for beet-. R. L. Harner. No. 1,263,408; Apr. 23; v. 249; p. 759.
Harvesters, Elevator-support for. W. H. Crane. No. 1,269,161; June 11; v. 251; p. 325.
Harvesters, Flax attachment for. T. H. Tombyll and L. Bottger. No. 1,272,875; July 16; v. 252; p. 658.
Harvesters, Front auger support and bearing for beet-. J. D. Fanger. No. 1,256,119; Feb. 12; v. 247; p. 333.
Harvesters, Front construction for beet-. J. D. Fanger. No. 1,266,439; May 14; v. 250; p. 460.
Harvesters, Portable detachable tongue for. M. Berthold. No. 1,284,567; Nov. 12; v. 256; p. 322.
Harvesters, Rear auger adjustment for beet-. J. D. Fanger. No. 1,273,757; July 23; v. 252; p. 919.
Harvesters, Self-dumping gear for. O. Olson, Jr. No. 1,266,040; May 14; v. 250; p. 352.
Harvesters, Straw-distributing attachment for. G. C. Michael. No. 1,255,769; Feb. 5; v. 247; p. 190.
Harvesting and reduction apparatus for sea-kelp. H. W. Judson and H. A. Lowman. No. 1,259,456; Mar. 12; v. 248; p. 473.
Harvesting and threshing machine. J. D. Jones. No. 1,253,601; Jan. 15; v. 246; p. 690.
Harvesting and threshing machine. J. D. Jones. No. 1,281,582; Oct. 15; v. 255; p. 461.
Harvesting and topping machine, Beet. S. J. Wilson. No. 1,285,529; Nov. 19; v. 256; p. 604.
Harvesting-machine. A. Bratt. No. 1,252,230; Jan. 1; v. 246; p. 228.
Harvesting-machine. T. C. Duncan. No. 1,271,867; July 9; v. 252; p. 343.
Harvesting-machine. W. L. Hendricks. No. 1,279,542; Sept. 24; v. 254; p. 675.
Harvesting-machine. J. Nothaft. No. 1,252,608; Jan. 8; v. 246; p. 371.
Harvesting-machine. W. P. Smith. No. 1,275,623; Aug. 13; v. 253; p. 383.
Harvesting machine, Beet-. J. Courtney. No. 1,269,789; June 18; v. 251; p. 532.
Harvesting machine, Beet-. W. Hirning. No. 1,251,664; Jan. 1; v. 246; p. 67.
Harvesting machine, Beet-. T. Nielsen. No. 1,272,986; July 16; v. 252; p. 688.
Harvesting machine, Beet-. F. Prior. No. 1,281,066; Oct. 8; v. 255; p. 288.
Harvesting machine, Beet-. F. Prior. No. 1,284,449; Nov. 12; v. 256; p. 294.
Harvesting machine, Beet-. C. W. Rogers. No. 1,253,426; Jan. 15; v. 246; p. 643.
Harvesting machine, Berry-. W. Griffin. No. 1,277,715; Sept. 3; v. 254; p. 107.

Harvesting machine, Grain-. L. Clark. No. 1,282,045; Oct. 22; v. 255; p. 625.
Harvesting machine, Seed-. H. M. Rhodes. No. 1,269,742; June 18; v. 251; p. 517.
Harvesting machine, Seed-. H. M. Rhodes. No. 1,272,717; July 16; v. 252; p. 612.
Harvesting-machine, Sheaf-binder. F. B. Wells. No. 1,252,063; Jan. 1; v. 246; p. 183.
Harvesting-machine steering device. D. Hougendougler. No. 1,279,870; Sept. 24; v. 254; p. 772.
Harvesting machine, Tobacco-. D. R. Raper. No. 1,255, 790; Feb. 5; v. 247; p. 195.
Harvesting-machines and the like, Adjusting device for. W. Drummond. No. 1,268,698; June 4; v. 251; p. 177.
Harvesting-machines and the like, Feed device for. E. C. Woodward. No. 1,275,639; Aug. 13; v. 253; p. 388.
Harvesting-machines, Shock-former for. L. Anderson. No. 1,269,516; June 11; v. 251; p. 422.
Harvesting-machines, Tractor-hitch for. C. Pearson. No. 1,266,710; May 21; v. 250; p. 567.
Hasp-lock, Automatic. J. R. Francis. No. 1,279,531; Sept 24; v. 254; p. 673.
Hasp or locking device. F. McManus. No. 1,284,399; Nov. 12; v. 256; p. 282.
Hat and coat hook, Portable. J. W. Willis. No. 1,265,569; May 7; v. 250; p. 189.
Hat and hat-lining. L. Freeman. No. 1,275,238; Aug. 13; v. 253; p. 278.
Hat attachment. W. Duchrau. No. 1,254,126; Jan. 22; v. 246; p. 861.
Hat-block. W. H. Bennett. No. 1,283,637; Nov. 5; v. 256; p. 52.
Hat-block. L. Stevens. No. 1,258,718; Mar. 12; v. 248; p. 262.
Hat-blocker. C. V. Milligan. No. 1,264,323; Apr. 30; v. 249; p. 1044.
Hat-box. J. T. Careaga. No. 1,256,437; Feb. 12; v. 247; p. 429.
Hat-box. W. B. Crenshaw. No. 1,271,630; July 9; v. 252; p. 254.
Hat-box. N. J. Reves. No. 1,262,095; Apr. 9; v. 249; p. 340.
Hat-brim holder. R. G. Detenbeck. No. 1,283,694; Nov. 5; v. 256; p. 67.
Hat-clamp. J. C. Wagner. No. 1,277,276; Aug. 27; v. 253; p. 904.
Hat, coat, and trousers rack, Combined. G. F. McDonald. No. 1,268,371; June 4; v. 251; p. 85.
Hat-cord holder. L. C. Gage. No. 1,283,720; Nov. 5; v. 256; p. 74.
Hat-fastener. S. A. Dahl. No. 1,283,686; Nov. 5; v. 256; p. 65.
Hat-fastener. G. Freiwald. No. 1,276,638; Aug. 20; v. 253; p. 698.
Hat-fastener. E. R. Fuller. No. 1,284,301; No. 12; v. 256; p. 257.
Hat-fastener. E. J. Guenzel. No. 1,254,899; Jan. 29; v. 246; p. 1117.
Hat-fastener. J. Hart. No. 1,268,569; June 4; v. 251; p. 142.
Hat-fastener. C. Marshall. No. 1,259,763; Mar. 19; v. 248; p. 592.
Hat-fastener. J. Skinderviken. No. 1,288,714; Dec. 24; v. 257; p. 716.
Hat-fastening. A. C. and A. Galdi. No. 1,255,524; Feb 5; v. 247; p. 118.
Hat-form. S. Osterweil. No. 1,281,645; Oct. 15; v. 255; p. 477.
Hat, Fur-napped felt-bodied. J. W. Pearl and W. Starkey. No. 1,273,403; July 23; v. 252; p. 825.
Hat, Launderable. N. F. Winget. No. 1,274,652; Aug. 6; v. 253; p. 89.
Hat-leash. L. H. Culver. No. 1,260,340; Mar. 26; v. 248; p. 792.
Hat-making mechanism. J. J. Tracy. No. 1,288,762; Dec. 24; v. 257; p. 727.
Hat-pin. W. R. Collier. No. 1,265,750; May 14; v. 250; p. 270.
Hat-pin. W. A. Hartline. No. 1,259,733; Mar. 19; v. 248; p. 583.
Hat-pin. R. C. Idone. No. 1,261,816; Apr. 9; v. 249; p. 266.
Hat-pin. F. Makowski. No. 1,283,843; Nov. 5; v. 256; p. 107.
Hat-pin guard. J. Frierson. No. 1,267,652; May 8; v. 250; p. 857.
Hat-pin guard. G. L. Kilson. No. 1,258,345; Mar. 5; v. 248; p. 114.
Hat-pin guard. A. M. Winterbottom. No. 1,277,806; Sept. 3; v. 254; p. 132.
Hat-pin-point protector. C. A. Koch. No. 1,262,058; Apr. 9; v. 249; p. 330.
Hat-pin protector. L. Fritch. No. 1,277,565; Sept. 3; v. 254; p. 64.
Hat-pin, Safety. H. Ramos. No. 1,275,088; Aug. 6; v. 253; p. 211.
Hat-pin, Spiral. C. E. Ronfbough. No. 1,263,936; Apr. 23; v 249; p. 906.
Hat-presser. R. M. Cohen. No. 1,280,167; Oct. 1; v. 255; p. 14.
Hat pressing and forming machine. H. Cohn. No 1,257,675; Feb. 26; v. 247; p. 861.
Hat-retainer. H. Gensch. No. 1,276,052; Aug. 20; v. 253; p. 535.
Hat-retainer. J. Hendrickson. No. 1,285,701; Nov. 26; v. 256; p. 686.
Hat-retainer. M. J. Otness. No. 1,272,507; July 16; v. 252; p. 551.
Hat-securing means. W. Goljan. No. 1,252,798; Jan. 8; v. 246; p. 426.
Hat-securing means. C. Roeseler. No. 1,274,604; Aug. 6; v. 253; p. 76.
Hat-securing means. B. Sorocincsky. No. 1,252,855; Jan. 8; v. 246; p. 441.
Hat-securing means. M. Tannler. No. 1,276,828; Aug. 27; v. 253; p. 785.
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Hat-shape retainer. H. and A. P. Jones. No. 1,268,977; June 11; v. 251; p. 275.
Hat-shaping apparatus. L. Stevens. No. 1,258,719; Mar. 12; v. 248; p. 263.
Hat-strap. A. Smith, Jr. No. 1,269,227; June 11; v. 251; p. 345.
Hat-sweat and attachment. R. Becker. No. 1,280,946; Oct. 8; v. 255; p. 255.
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Hats, Attachment for ladies'. W. V. Callender. No. 1,275,219; Aug. 13; v. 253; p. 272.
Hats, Decorating. F. J. Muhlfeld. No. 1,259,038; Mar. 12; v. 248; p. 356.
Hats, Manufacture of. J. J. Tracy. No. 1,280,902; Oct. 8; v. 255; p. 245.
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Hats, Pressure-relieving and ventilating attachment for. T. L. Burns. No. 1,266,661; May 21; v. 250; p. 554.
Hats, Set-board for. F. C. Hodshon. No. 1,258,219; Mar. 5; v. 248; p. 78.
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Hatch-ventilator and ice-plug. M. P. Reynolds. No. 1,274,197; July 30; v. 252; p. 1081.
Hatchway-guard. F. J. McAchran. No. 1,255,621; Feb. 5; v. 247; p. 146.
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Hatchet, Lathing-. C. O. Hight. No. 1,252,903; Jan. 8; v. 246; p. 455.
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Hauler, Long-line. A. Akerberg. No. 1,279,213; Sept.17; v. 254; p. 562.
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Hay and bundle loader. M. F. and F. G. Hutchinson. No. 1,268,122; June 4; v. 251; p. 16.
Hay and cotton tier. H. Waterholter. No. 1,270,349; June 25; v. 251; p. 708.
Hay and grain sweep. M. Weber. No. 1,254,379; Jan. 22; v. 246; p. 933.
Hay and stock rack iron. C. H. Lawson. No. 1,267,777; May 28; v. 250; p. 891.
Hay and straw hook. H. E. Moore. No. 1,289,228; Dec. 31; v. 257; p. 865.
Hay-carrier. H. P. Hanson. No. 1,261,522; Apr. 2; v. 249; p. 150.
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Hay-cutter. E. C. Black. No. 1,262,739; Apr. 16; v. 249; p. 551.
Hay-cutter. W. H. Letz. No. 1,281,598; Oct. 15; v. 255; p. 465.
Hay-cutter. E. J. Woolworth. No. 1,273,975; July 30; v. 252; p. 1019.
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Hay drying and the like. W. M. Grosvenor. No. 1,251,510; Jan. 1; v. 246; p. 18.
Hay-drying device. F. Szewczuk. No. 1,281,874; Oct. 15; v. 255; p. 540.
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Hay-gatherer. F. U. Farrand. No. 1,289,423; Dec. 31; v. 257; p. 915.
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Hay-loader. O. O. Gilbertson. No. 1,283,494; Nov. 5; v. 256; p. 16.
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Hay-loader. T. Thompson. No. 1,277,666; Sept. 3; v. 254; p. 93.
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Hay-pulling apparatus. G. Chromy. No. 1,287,230; Dec. 10; v. 257; p. 294.
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Hay-rake, Center-delivery. C. R. Sprague. No. 1,288,249; Dec. 17; v. 257; p. 576.
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Hay-rake, Side-delivery. J. Dain. No. 1.283,474; Nov. 5; v. 256; p. 10.
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Headlight, Dirigible automobile-. W. J. Rollins. No. 1,284,457; Nov. 12; v. 256; p. 296.
Headlight, Dirigible motor-vehicle. R. E. Ehrgott. No. 1,267,994; May 28; v. 250; p. 953.
Headlight for automobiles. G. W. Batchell and R. F. Schwenck. No. 1,271,265; July 2; v. 252; p. 145.
Headlight for automobiles. A. Morley. No. 1,285,314; Nov. 19; v. 256; p. 550.
Headlight for automobiles. J. B. Salisbury. No. 1,257,029; Feb. 19; v. 247; p. 638.
Headlight for automobiles, Dirigible. A. M. Hall. No. 1,253,172; Jan. 8; v. 246; p. 537.
Headlight for automobiles, Dirigible. F. H. Olin. No. 1,278,496; Sept. 10; v. 254; p. 339.
Headlight for automobiles, Dirigible. E. H. Reinhart. No. 1,266,626; May 21; v. 250; p. 544.
Headlight for automobiles, Dirigible. G. E. Thompson. No. 1,257,767; Feb. 26; v. 247; p. 888.
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Headlight-lens. L. Bell. No. 1,277,364; Sept. 3; v. 254; p. 8.
Headlight-lens. D. Foster. No. 1,261,375; Apr. 2; v. 249; p. 110.
Headlight-lens. F. G. Lee. No. 1,274,173; July 30; v. 252; p. 1074.
Headlight-lens. G. W. Puff. No. 1,275,304; Aug. 13; v. 253; p. 295.
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Headlight-lens for vehicles. F. G. Lee. No. 1,288,933; Dec. 24; v. 257; p. 768.
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Headlight mechanism for automobiles. C. N. Walker. No. 1,271,395; July 2; v. 252; p. 179.
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Headlights, Refracting cover-glass for automobile-. W. Churchill. No. 1,283,671; Nov. 5; v. 256; p. 62.
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Hearing, Device for aiding the. M. Friedman. No. 1,281,550; Oct. 15; v. 255; p. 453.
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Heat-conserving apparatus. L. D. Lovekin. No. 1,252,593; Jan. 8; v. 246; p. 367.
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Heat determination, Method of and apparatus for. G. H. Gibson. No. 1,267,758; May 28; v. 250; p. 886.
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Heat-insulating material and making same H. Castor. No. 1,288,834; Dec. 24; v. 257; p. 744.
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Automobile exhaust-heater.
Automobile priming-heater.
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Brooder-heater.
Car-heater.
Concrete-heater.
Domestic heater.
Electric heater.
Electric immersion-heater.
Electric water-heater.
Electrical heater.
Feed-water heater.
Fireplace-heater.
Flat-iron heater.
Fluid-heater.
Fuel-heater.
Garage-heater.
Gas-heater.
Gas-burning heater.
Gas or vapor heater.
Grain-drier heater.
Hot-air heater.
Hot-water heater.
Hydrocarbon-mixture heater.
Immersion-heater.
Intake-manifold heater.
Knife and wax heater.
Lamp-heater.
Liquid-heater.
Liquid-fuel heater.
Locomotive air-heater.
Lunch-box heater.
Oil-heater.
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Orchard-heater.
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Wheat-heater.
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Heel, Boot or shoe. J. P. Reily. No. 1,275,748; Aug. 13; v. 253; p. 419.
Heel-breasting machine. R. C. Simmons. No. 1,277,764; Sept. 3; v. 254; p. 121.
Heel-building machine. C. W. Bowen. No. 1,288,490; Dec. 24; v. 257; p. 660.
Heel-building machine. C. W. Bowen. No. 1,288,491; Dec. 24; v. 257; p. 661.
Heel-building machine. G. B. Grover. No. 1,288,564; Dec. 24; v. 257; p. 679.
Heel-building machine. F. Holbrook. No. 1,255,608; Feb. 5; v. 247; p. 143.
Heel-building machine. C. O. Ryberg. No. 1,284,784; Nov. 12; v. 256; p. 376.
Heel-building machine. E. E. Winkley. No. 1,286,472; Dec. 3; v. 257; p. 72.
Heel-clamping machine. S. Stella. No. 1,282,971; Oct. 29; v. 255; p. 908.
Heel, Composite rubber. W. E. MacKenna. No. 1,263,264; Apr. 16; v. 249; p. 698.
Heel construction. N. H. Morozowicz and J. R. A. Farr. No. 1,282,274; Oct. 22; v. 255; p. 688.
Heel-covering machine. O. R. Angell. No. 1,281,263; Oct. 15; v. 255; p. 374.
Heel cushion, Shoe-. J. Pietzuch. No. 1,264,127; Apr. 23; v. 249; p. 955.
Heel-cutter. W. J. Nesbitt. No. 1,259,433; Mar. 12; v. 248; p. 467.
Heel-cutter. W. J. Nesbitt. No. 1,275,078; Aug. 6; v. 253; p. 209.
Heel-cutter. C. S. Reamy. No. 1,287,748; Dec. 17; v. 257; p. 452.
Heel-cutting apparatus. P. Bammer. No. 1,267,306; May 21; v. 250; p. 732.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,253,514; Jan. 15; v. 246; p. 667.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,259,432; Mar. 12; v. 248; p. 466.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,260,244; Mar. 19; v. 248; p. 730.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,262,549; Apr. 9; v. 249; p. 468.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,265,487; May 7; v. 250; p. 169.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,282,456; Oct. 22; v. 255; p. 737.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,287,400; Dec. 10; v. 257; p. 335.
Heel-cutting apparatus. W. J. Nesbitt. No. 1,289,878; Dec. 31; v. 257; p. 1025.
Heel, Detachable. U. Kornstein. No. 1,268,731; June 4; v. 251; p. 187.
Heel, Detachable. J. Plisco. No. 1,269,852; June 18; v. 251; p. 549.
Heel, Detachable rubber. J. A. Kaiser. No. 1,270,523; June 25; v. 251; p. 756.
Heel-finishing machine. W. Hubbard. No. 1,273,063; July 16; v. 252; p. 708.
Heel for boots and shoes. V. B. Greco. No. 1,289,445; Dec. 31; v. 257; p. 920.
Heel for boots and shoes. E. L. Sharpneck. No. 1,270,449. June 25; v. 251; p. 736.
Heel for shoes. E. L. Sharpneck. No. 1,259,917; Mar. 19; v. 248; p. 638.
Heel-grooving machine. G. M. Hall. No. 1,255,412; Feb. 5; v. 247; p. 87.
Heel-lift. G. S. Ellithorpe. No. 1,273,047; July 16; v. 252; p. 705.
Heel-lift cutting and assembling machine. C. W. Bowen. No. 1,288,489; Dec. 24; v. 257; p. 660.
Heel-lift magazine, Boot-. R. A. Lee. No. 1,269,826; June 18; v. 251; p. 542.
Heel-mold. E. L. Sharpneck. No. 1,278,803; Sept. 10; v. 254; p. 423.
Heel-nail. J. S. Kenyon. No. 1,257,876; Feb. 26; v. 247; p. 920.
Heel-nailing jack. W. E. Scarlett. No. 1,265,525; May 7; v. 250; p. 178.
Heel-nailing machines, Receiver of. W. E. Scarlett. No. 1,256,378; Feb. 12; v. 247; p. 411.
Heel of boots and shoes. W. J. Luxmoore. No. 1,261,569; Apr. 2; v. 249; p. 165.
Heel-pad, Resilient. S. Schulhoff. No. 1,279,166; Sept. 17; v. 254; p. 550.
Heel-plate. M. S. Campbell. No. 1,260,142; Mar. 19; v. 248; p. 701.
Heel-plate. T. M. Markey and J. Oberlin. No. 1,284,916; Nov. 12; v. 256; p. 412.
Heel-plate and shank-brace, Combined. W. A. Buchanan. No. 1,277,289; Aug. 27; v. 253; p. 906.
Heel portions of shoe-uppers, Machine for shaping the. F. Ricks. No. 1,280,303; Oct. 1; v. 255; p. 53.
Heel-press. E. Hansalpakar. No. 1,262,335; Apr. 9; v. 249; p. 407.

Heel-press. F. V. Hart. No. 1,281,360; Oct. 15; v. 255; p. 403.
Heel-press. F. V. Hart. No. 1,281,361; Oct. 15; v. 255; p. 403.
Heel-protector. R. V. Davis. No. 1,274,692; Aug. 6; v. 253; p. 101.
Heel-protector. T. H. Sullivan. No. 1,272,143; July 9; v. 252; p. 424.
Heel protector, Boot-. W. Law and R. C. Manton. No. 1,277,610; Sept. 3; v. 254; p. 77.
Heel protector or slug. G. E. Rollins. No. 1,285,797; Nov. 26; v. 256; p. 712.
Heel, Resilient. B. W. Brockett. No. 1,286,169; Nov. 26; v. 256; p. 803.
Heel, Resilient shoe-. F. Cerar and J. Ogrinc. No. 1,261,488; Apr. 2; v. 249; p. 140.
Heel, Resilient shoe-. F. A. Nolan. No. 1,273,175; July 23; v. 252; p. 765.
Heel, Rubber. F. Berenstein. No. 1,284,995; Nov. 19; v. 256; p. 470.
Heel, Rubber. F. S. Carr. No. 1,274,853; Aug. 6; v. 253; p. 146.
Heel, Rubber. W. H. Clarke. No. 1,283,468; Nov. 5; v. 256; p. 8.
Heel, Rubber. G. S. Ellithorpe. No. 1,254,489; Jan. 22; v. 246; p. 964.
Heel, Rubber. J. L. Forbes. No. 1,278,625; Sept. 10; v. 254; p. 375.
Heel, Rubber. G. A. Huben. No. 1,261,392; Apr. 2; v. 249; p. 114.
Heel-scouring guard. S. W. and H. L. Derby. No. 1,285,067; Nov. 19; v. 256; p. 488.
Heel-seat, Internal spring. R. A. Matear. No. 1,272,490; July 16; v. 252; p. 547.
Heel-securing plate. L. Weinstein. No. 1,280,917; Oct. 8; v. 255; p. 248.
Heel-shaping machine. E. E. Winkley. No. 1,284,847; Nov. 12; v. 256; p. 393.
Heel, Shoe-. G. S. Ellithorpe. No. 1,272,929; July 16; v. 252; p. 673.
Heel, Shoe-. E. S. Helwitz. No. 1,261,525; Apr. 2; v. 249; p. 151.
Heel, Shoe-. E. S. Helwitz. No. 1,263,555; Apr. 23; v. 249; p. 801.
Heel, Shoe-. S. Mizsak. No. 1,286,054; Nov. 26; v. 256; p. 775.
Heel, Shoe-. J. E. Price. No. 1,269,958; June 18; v. 251; p. 576.
Heel, Shoe-. W. H. Webb. No. 1,266,892; May 21; v. 250; p. 617.
Heel-tread, Detachable resilient. V. F. Maliszewski. No. 1,274,734; Aug. 6; v. 253; p. 113.
Heel-trimmer. W. G. Lerch and C. P. Whisler. No. 1,268,477; June 4; v. 251; p. 117.
Heel-trimming machine. J. Gouldbourn. No. 1,270,511; June 25; v. 251; p. 753.
Heels, Finishing. W. Hubbard. No. 1,273,062; July 16; v. 252; p. 708.
Heels, Machine for operating on. E. J. Negus and F. Charles. No. 1,285,785; Nov. 26; v. 256; p. 709.
Heels, Machine for operating on. J. F. Standish. No. 1,269,654; June 18; v. 251; p. 493.
Heels, Machine for operating on. J. F. Standish. No. 1,275,490; Aug. 13; v. 253; p. 346.
Heels, Machine for operating on shoe-. E. E. Winkley. No. 1,286,470; Dec. 3; v. 257; p. 71.
Heels, Machine for operating upon. J. W. Cosgrove. No. 1,288,521; Dec. 24; v. 257; p. 669.
Heels, Making. C. W. Bowen. No. 1,288,492; Dec. 24; v. 257; p. 661.
Heels, Making. C. W. Bowen. No. 1,289,063; Dec. 24; v. 257; p. 800.
Heels, Making. E. E. Winkley. No. 1,285,531; Nov. 19; v. 256; p. 604.
Heels, Making. E. E. Winkley. No. 1,285,532; Nov. 19; v. 256; p. 604.
Heels, Making. E. E. Winkley. No. 1,285,534; Nov. 19; v. 256; p. 605.
Heels, Making. E. E. Winkley. No. 1,286,473; Dec. 3; v. 257; p. 72.
Heels, Manufacturing tenoned. R. B. Puckett and H. R. Abbott. No. 1,253,279; Jan. 15; v. 246; p. 596.
Heels, Means for attaching. P. Iaculli. No. 1,279,871; Sept. 24; v. 254; p. 772.
Heels of boots and shoes, Machine for breasting the. L. A. Casgrain. No. 1,289,652; Dec. 31; v. 257; p. 970.
Heeling-machine. L. A. Casgrain. No. 1,280,161; Oct. 1; v. 255; p. 12.
Heeling method and product thereof, Shoe-. A. Perri. No. 1,289,054; Dec. 24; v. 257; p. 797.
Heeling shoes. J. F. Standish. No. 1,288,253; Dec. 17; v. 257; p. 577.
Helicopter. H. H. Bernhard. No. 1,278,295; Sept. 10; v. 254; p. 288.
Helmet, Bullet-proof. K. Kempny. No. 1,251,537; Jan. 1; v. 246; p. 27.
Helmet, Diver's. F. L. Claren and H. Stelzner. No. 1,252,780; Jan. 8; v. 246; p. 422.
Helmet for combatants. J. Taty. No. 1,260,093; Mar. 19; v. 248; p. 689.
Helmet for life-preservers and the like. W. W. Stallworth. No. 1,264,706; Apr. 30; v. 249; p. 1151.
Helmet for use of aviators and the like. H. R. Hart. No. 1,251,657; Jan. 1; v. 246; p. 65.
Helmet or head-shield. J. L. Brodie. No. 1,251,959; Jan. 1; v. 246; p. 152.
Helmet, Respirator-. F. E. Jackson. No. 1,267,666; May 28; v. 250; p. 860.
Helmet, Soldier's. J. J. Domanski. No. 1,280,684; Oct. 8; v. 255; p. 184.
Helmet, Soldier's. M. Drag. No. 1,256,532; Feb. 19; v. 247; p. 492.
Helmet, Trench-. W. E. Webb, Jr., and G. L. Close. No. 1,286,854; Dec. 3; v. 257; p. 158.
Hemmer. A. Thomas. No. 1,279,177; Sept. 17; v. 254; p. 553.
Hemmer, Adjustable. M. Ballin. No. 1,254,875; Jan. 29; v. 246; p. 1110.
Hemp-brake. T. J. Price. No. 1,280,085; Sept. 24; v. 254; p. 830.
Hemp-breaking machine. S. B. Carr. No. 1,257,313; Feb. 26; v. 247; p. 755.
Hemp-cleaner. J. L. Andreas. No. 1,262,615; Apr. 16; v. 249; p. 515.
Hemp-drying rack. J. L. Andreas. No. 1,273,120; July 23; v. 252; p. 750.
Hemstitching attachment. E. C. Harriman. No. 1,270,728; June 25; v. 251; p. 810.
Hens, Antisetting device for. E. J. Shaut. No. 1,253,434; Jan. 15; v. 246; p. 645.
Hens from setting, Device for breaking. A. E. Johnson. No. 1,258,684; Mar. 12; v. 248; p. 253.
Hens from setting, Device for preventing. H. R. Hayes. No. 1,274,266; July 30; v. 252; p. 1101.
Hens from setting, Device to prevent. W. E. Swift. No. 1,274,104; July 30; v. 252; p. 1056.
Hide and leather working machine. R. F. Whitney. No. 1,272,162; July 9; v. 252; p. 429.
Hide and leather working machine. R. F. Whitney. No. 1,284,517; Nov. 12; v. 256; p. 310.
Hide-elevating means. C. E. Dauber, Sr. No. 1,266,221; May 14; v. 250; p. 403.
Hide-remover. J. Armaugh. No. 1,263,636; Apr. 23; v. 249; p. 823.
Hide-treating apparatus. J. E. Vorel. No. 1,254,179; Jan. 22; v. 246; p. 876.
Hide-working machine. E. R. and J. W. Aulson. No. 1,279,963; Sept. 24; v. 254; p. 797.
Hides, Process and apparatus for tanning. V. Quaedvlieg. No. 1,280,544; Oct. 1; v. 255; p. 119.
Hides, skins, and leather, Machine for treating. H. A. Holder. No. 1,261,534; Apr. 2; v. 249; p. 154.
Hides, skins, or the like, Softening. O. Röhm. No. 1,257,402; Feb. 26; v. 247; p. 780.
High chair. W. F. Cook. No. 1,259,604; Mar. 19; v. 248; p. 547.
High chair. E. Herrmann. No. 1,280,464; Oct. 1; v. 255; p. 97.
High chair. G. Lea. No. 1,283,225; Oct. 29; v. 255; p. 975.
High-frequency apparatus. A. Longoria. No. 1,266,287; May 14; v. 250; p. 420.
High-pressure hose-coupling. J. J. Mulconroy. No. 1,286,388; Dec. 3; v. 257; p. 50.
Highway-maintaining machine. J. F. Clutter. No. 1,288,513; Dec. 24; v. 257; p. 666.
Hinge: *See*—
Stove-door hinge.
Hinge. W. H. Appleby. No. 1,257,572; Feb. 26; v. 247; p. 831.
Hinge. W. H. Appleby. No. 1,280,629; Oct. 8; v. 255; p. 168.
Hinge. R. W. Burnett. No. 1,263,203; Apr. 16; v. 249; p. 683.
Hinge. W. M. Carter. No. 1,276,174; Aug. 20; v. 253; p. 569.
Hinge. F. A. Cook. No. 1,270,499; June 25; v. 251; p. 750.
Hinge. J. Dianovszky. No. 1,269,403; June 11; v. 251; p. 393.
Hinge. F. A. Dillingham. No. 1,268,793; June 4; v. 251; p. 205.
Hinge. J. Dunner. No. 1,253,798; Jan. 15; v. 246; p. 747.
Hinge. W. S. Flick and G. A. Lambert. No. 1,268,104; June 4; v. 251; p. 10
Hinge. M. Guett. No. 1,251,773; Jan. 1; v. 246; p. 99.
Hinge. A. S. Harrell and O. C. Spence. No. 1,278,642; Sept. 10; v. 254; p. 380.
Hinge. H. E. Harris. No. 1,277,067; Aug. 27; v. 253; p. 848.
Hinge. J. Herzog. No. 1,284,333; Nov. 12; v. 256; p. 265.
Hinge. A. Lowy. No. 1,289,489; Dec. 31; v. 257; p 931.
Hinge. J. R. MacDonald. No. 1,286,694; Dec. 3; v. 257; p. 123.
Hinge. U. G. McQueen. No. 1,255,100; Jan. 29; v. 246; p. 1171.
Hinge. B. J. Schwab. No. 1,268,393; June 4; v. 251; p. 93.
Hinge. J. J. Seltenreich. No. 1,259,144; Mar. 12; v. 248; p. 386.

Hinge. W. E. Steele. No. 1,253,641; Jan. 15; v. 246; p. 702.
Hinge. F. Wolter. No. 1,272,594; July 16; v. 252; p. 576.
Hinge. E. Zuckerman. No. 1,280,357; Oct. 1; v. 255; p. 68.
Hinge, Adjustable. A. S. Chalfant. No. 1,255,291; Feb. 5; v. 247; p. 50.
Hinge, Adjustable. C. H. Nixon. No. 1,265,363; May 7; v. 250; p. 135.
Hinge and casing therefor. A. B. Bell. No. 1,254,020; Jan. 22; v. 246; p. 830.
Hinge-belt fastener. J. R. Franklin. No. 1,286,574; Dec. 3; v. 257; p. 95.
Hinge, Butt-. W. J. Smith. No. 1,271,235; July 2; v. 252; p. 137.
Hinge, Clamping door-. H. North. No. 1,277,106; Aug. 27; v. 253; p. 859.
Hinge, Concealed. R. W. Hubbard. No. 1,263,895; Apr. 23; v. 249; p. 894.
Hinge, Concealed. C. B. Parsons. No. 1,276,404; Aug. 20; v. 253; p. 634.
Hinge construction. J. J. Weaver. No. 1,269,764; June 18; v. 251; p. 524.
Hinge, Door-. W. H. Osborn. No. 1,284,135; Nov. 5; v. 256; p. 185.
Hinge, Door-. J. R. Pilson. No. 1,253,882; Jan. 15; v. 246; p. 772.
Hinge for casement-windows. A. Bye. No. 1,268,678; June 4; v. 251; p. 172.
Hinge for celluloid articles. C. C. Holden and E. P. Hadley. No. 1,260,197; Mar. 19; v. 248; p. 716.
Hinge for continuous sashes. T. H. Kane. No. 1,269,939; June 18; v. 251; p. 572.
Hinge for filing-appliance cases. H. J. Hick. No. 1,253,376; Jan. 15; v. 246; p. 627.
Hinge for journal-boxes and the like. G. L. Waitt. No. 1,270,076; June 18; v. 251; p. 607.
Hinge for sashes. J. J. Schubert. No. 1,266,327; May 14; v. 250; p. 431.
Hinge for silo-doors. J. H. Humburg. No. 1,271,900; July 9; v. 252; p. 352.
Hinge for suitcases. L. C. Schwensen. No. 1,276,273; Aug. 20; v. 253; p. 596.
Hinge for swinging closures. O. C. Rixson. No. 1,263,930; Apr. 23; v. 249; p. 904.
Hinge for vehicle-bodies. H. C. Maise. No. 1,251,550; Jan. 1; v. 246; p. 31.
Hinge-gage and marking-tool. G. R. Pummill. No. 1,251,693; Jan. 1; v. 246; p. 76.
Hinge, Gate-. J. S. Barnes and E. J. Randall. No. 1,261,678; Apr. 2; v. 249; p. 195.
Hinge, Gate-. E. C. Crook. No. 1,261,713; Apr. 2; v. 249; p. 203.
Hinge, Gate-. F. Wiederrecht. No. 1,253,655; Jan. 15; v. 246; p. 706.
Hinge, Invisible. F. J. Korb. No. 1,282,435; Oct. 22; v. 255; p. 732.
Hinge-pintles to box-part blanks, Apparatus for applying. H. Hermani. No. 1,267,409; May 28; v. 250; p. 788.
Hinge, Separable. E. J. Fellman. No. 1,261,914; Apr. 9; v. 249; p. 292.
Hinge, Silo-door. W. H. Lewis. No. 1,256,144; Feb. 12; v. 247; p. 340.
Hinge, Spring-. W. J. Keene. No. 1,282,588; Oct. 22; v. 255; p. 773.
Hinge, Theater-chair. W. A. Bishop. No. 1,262,596; Apr. 9; v. 249; p. 482.
Hinge, Vehicle-body door-. M. Buch. No. 1,279,246; Sept. 17; v. 254; p. 571.
Hinges, Housing for spring-. E. Bommer. No. 1,265,597; May 7; v. 250; p. 197.
Hinged seat and cover. G. W. Collins. No. 1,264,612; Apr. 30; v. 249; p. 1126.
Hitch, Double. H. Bulthaus. No. 1,254,652; Jan. 29; v. 246; p. 1040.
Hitch for vehicles, Horse-. W. D. Lee. No. 1,263,330; Apr. 16; v. 249; p. 716.
Hitching device. O. L. Olson. No. 1,268,796; June 4; v. 251; p. 206.
Hitching device, Horse-. C. V. Monson. No. 1,257,727; Feb. 26; v. 247; p. 878.
Hob-testing machine. C. G. Olson and J. R. Richer. No.
Hobbing-cutter. O. G. Simmons. No. 1,269,123; June 11; v. 251; p. 314.
Hobby-horse. A. C. Busby. No. 1,266,400; May 14; v. 250; p. 449.
Hobby-horse. S. Herzog. No. 1,252,693; Jan. 8; v. 246; p. 396.
1,254,062; Jan. 22; v. 246; p. 842.
Hoe. R. N. Moore. No. 1,256,352; Feb. 12; v. 247; p. 403.
Hoe. B. J. Pike. No. 1,282,930; Oct. 29; v. 255; p. 895.
Hoe. J. H. Rhomberg. No. 1,286,779; Dec. 3; v. 257; p. 142.
Hoe. E. B. Welch, Jr. No. 1,259,944; Mar. 19; v. 248; p. 647.
Hoe and planter, Combined. A. Z. Combs. No. 1,282,194; Oct. 22; v. 255; p. 667.
Hoe and shaver, Combined hand. H. Schoener. No. 1,253,284; Jan. 15; v. 246; p. 598.
Hoe, Replanting-. S. N. Jessup. No. 1,263,677; Apr. 23; v. 249; p. 834.
Hoe, Rotary. C. L. Delaplain. No. 1,270,710; June 25; v. 251; p. 805.
Hoe, Wheel-. C. H. Clark. No. 1,266,918; May 21; v. 250; p. 625.
Hoe, Wheel weeder-. H. Coad. No. 1,270,787; July 2; v. 252; p. 9.
Hog-catching tool. H. G. Keller. No. 1,272,050; July 9; v. 252; p. 398.
Hog-dehairing machine. L. A. Kramer. No. 1,276,546; Aug. 20; v. 253; p. 672.
Hog dehairing, polishing, and scraping machine. R. S. Redfield. No. 1,274,596; Aug. 6; v. 253; p. 74.
Hog-dehairing structure. R. E. Jordan. No. 1,270,239; June 18; v. 251; p. 650.
Hog-feeder. F. H. Page. No. 1,285,348; Nov. 19; v. 256; p. 559.
Hog-foot saver. A. A. Kopcinski and P. Hanas. No. 1,285,237; Nov. 19; v. 256; p. 531.
Hog-oiler. W. J. Marsh. No. 1,289,852; Dec. 31; v. 257; p. 1020.
Hog-oiler and the like. A. H. Conelly and T. Schell. No. 1,289,670; Dec. 31; v. 257; p. 974.
Hog-scraping machine. G. H. Stallman. No. 1,273,198; July 23; v. 252; p. 771.
Hog-trough. H. M. Leonard. No. 1,269,943; June 18; v. 251; p. 573.
Hog-trough. A. V. Lock. No. 1,259,112; Mar. 12; v. 248; p. 376.
Hog-trough, Combination. J. Fedderson. No. 1,275,144; Aug. 6; v. 253; p. 227.
Hoist. W. Lamb. No. 1,282,438; Oct. 22; v. 255; p. 733.
Hoist. M. B. Moyer. No. 1,258,698; Mar. 12; v. 248; p. 257.
Hoist. E. Stout. No. 1,276,281; Aug. 20; v. 253; p. 598.
Hoist. I. A. Weaver. No. 1,259,942; Mar. 19; v. 248; p. 646.
Hoist. T. G. Wrightson and J. M. Ringquist. No. 1,263,305; Apr. 16; v. 249; p. 709.
Hoist. T. G. Wrightson and J. M. Ringquist. No. 1,263,985; Apr. 23; v. 249; p. 918.
Hoist, Body-. K. W. Gillespie. No. 1,277,907; Sept. 3; v. 254; p. 159.
Hoist for motor-vehicles. H. F. Riopelle. No. 1,275,751; Aug. 13; v. 253; p. 420.
Hoist-gearing. J. Davidoff. No. 1,273,747; July 23; v. 252; p. 916.
Hoist, Portable. F. H. Lehman. No. 1,283,821; Nov. 5; v. 256; p. 100.
Hoist, Portable electric. S. E. Kalbach. No. 1,277,218; Aug. 27; v. 253; p. 889.
Hoist, Roll-. S. E. Pittman. No. 1,280,083; Sept. 24; v. 254; p. 830.
Hoist, Traveling. H. V. Snively. No. 1,266,636; May 21; v. 250; p. 547.
Hoists, Interlocking control for mine-. C. L. Perry. No. 1,273,661; July 23; v. 252; p. 895.
Hoists, Recording apparatus for mine-. G. F. Royer. No. 1,275,605; Aug. 13; v. 253; p. 378.
Hoisting and conveying apparatus. H. Weickel. No. 1,270,995; July 2; v. 252; p. 69.
Hoisting and conveying apparatus. E. J. Wilson. No. No. 1,267,727; May 28; v. 250; p. 877.
Hoisting and distributing apparatus. W. L. McDonald. No. 1,286,686; Dec. 3; v. 257; p. 122.
Hoisting and dumping apparatus. L. Eaton. No. 1,254,997; Jan. 29; v. 246; p. 1142.
Hoisting and dumping mechanism. G. A. Wood. No. 1,271,969; July 9; v. 252; p. 373.
Hoisting and dumping mechanism. G. A. Wood. No. 1,271,972; July 9; v. 252; p. 374.
Hoisting and handling machine. A. Ghent. No. 1,267,756; May 28; v. 250; p. 885.
Hoisting and tilting device. J. H. and F. G. Burr. No. 1,280,155; Oct. 1; v. 255; p. 10.
Hoisting and transfer apparatus, Load. T. S. Miller. No. 1,252,474; Jan. 8; v. 246; p. 333.
Hoisting apparatus. G. E. Curran and A. B. Craig. No. 1,261,775; Apr. 9; v. 249; p. 255.
Hoisting apparatus. H. S. Gardner. No. 1,275,241; Aug. 13; v. 253; p. 279.
Hoisting apparatus. J. M. Pierce. No. 1,289,258; Dec. 31; v. 257; p. 873.
Hoisting apparatus. H. V. Ramsay. No. 1,252,174; Jan. 1; v. 246; p. 213.
Hoisting apparatus. J. H. Rigg. No. 1,276,569; Aug. 20; v. 253; p. 678.
Hoisting apparatus. F. J. Schraeder, Jr. No. 1,256,169; Feb. 12; v. 247; p. 349.
Hoisting apparatus. F. J. Schraeder, Jr. No. 1,256,932; Feb. 19; v. 247; p. 608.
Hoisting device and wire-stretcher. E. Haag. No. 1,256,686; Feb. 19; v. 247; p. 537.
Hoisting device, Hydraulic. G. A. Wood. No. 1,271,976; July 9; v. 252; p. 376.
Hoisting device, Hydraulic. G. A. Wood. No. 1,271,978; July 9; v. 252; p. 377.
Hoisting-engine. T. S. Miller and L. G. Ruggles. No. 1,252,473; Jan. 8; v. 246; p. 333.

Hoisting-engine control. I. Ilieff. No. 1,288,597; Dec. 24; v. 257; p. 687.
Hoisting-hook. H. E. Moore. No. 1,280,273; Oct. 1; v. 255; p. 44.
Hoisting-machine. E. D. Hooker. No. 1,281,007; Oct. 8; v. 255; p. 272.
Hoisting mechanism. W. P. Cantwell. No. 1,280,660; Oct. 8; v. 255; p. 177.
Hoisting mechanism. H. S. Germond, Jr. No. 1,277,712; Sept. 3; v. 254; p. 106.
Hoisting mechanism. E. Y. Moore. No. 1,260,243; Mar. 19; v. 248; p. 730.
Hoisting mechanism. E. Y. Moore. No. 1,272,838; July 16; v. 252; p. 647.
Hoisting mechanism. H. B. Newhall, Jr. No. 1,288,137; Dec. 17; v. 257; p. 549.
Hoisting mechanism. E. A. Reetz. No. 1,286,773; Dec. 3; v. 257; p. 140.
Hoisting mechanism, Grab-hook for. G. Wright. No. 1,280,933; Oct. 8; v. 255; p. 252.
Hoisting mechanism, Motor-vehicle-. G. A. Wood. No. 1,271,971; July 9; v. 252; p. 374.
Hoisting mechanism, Motor-vehicle-. G. A. Wood. No. 1,271,977; July 9; v. 252; p. 377.
Hoisting system. W. C. Stevens. No. 1,267,820; May 28; v. 250; p. 904.
Hoisting-tower. T. S. Watson. No. 1,284,837; Nov. 12; v. 256; p. 390.
Holder. J. L. Duckett. No. 1,271,451; July 2; v. 252; p. 194.
Holder. C. H. Duell, Jr. No. 1,287,921; Dec. 17; v. 257; p. 495.
Holder. C. W. Lohstroh. No. 1,277,230; Aug. 27; v. 253; p. 892.
Holder. J. Macdonald. No. 1,288,633; Dec. 24; v. 257; p. 697.
Holding-clip. C. M. Hanson. No. 1,285,691; Nov. 26; v. 256; p. 684.
Holding-clip. C. T. Raschick. No. 1,281,656; Oct. 15; v. 255; p. 480.
Holding implement. H. T. Inghram. No. 1,256,565; Feb. 19; v. 247; p. 501.
Holding-pin. L. M. Myers. No. 1,264,325; Apr. 30; v. 249; p. 1044.
Holes in metal parts, Filling. E. Borman. No. 1,270,757; June 25; v. 251; p. 818.
Hollow articles from plastic materials, Apparatus for making. E. J. Fraenkell. No. 1,273,601; July 23; v. 252; p. 878.
Hollow articles, Means or apparatus relating to the manufacture, centrifugally, of. D. Moir and H. Buchanan. No. 1,286,056; Nov. 26; v. 256; p. 776.
Hollow bodies, Making. S. Apostoloff. No. 1,256,762; Feb. 19; v. 247; p. 558.
Hollow body. E. McGruer, Jr. No. 1,266,696; May 21; v. 250; p. 563.
Hollow body and making same. J. J. Lee. No. 1,274,174; July 30; v. 252; p. 1074.
Hollow body of fibrous material. J. C. Ward. No. 1,264,351; Apr. 30; v. 249; p. 1051.
Hollow metal bodies, such as bows for wind instruments, Apparatus for smoothing and calibrating tapered and curved. B. F. Winterhoff. No. 1,253,553; Jan. 15; v. 246; p. 677.
Hollow objects of compressed metallic powder, Producing. C. A. Pfanstiehl. No. 1,286,089; Nov. 26; v. 256; p. 783.
Hollow panel. S. B. Field. No. 1,284,281; Nov. 12; v. 256; p. 251.
Hollow ware. G. C. Snyder. No. 1,270,891; July 2; v. 252; p. 39.
Hollow ware, Apparatus for manufacturing. G. C. Snyder. No. 1,270,889; July 2; v. 252; p. 39.
Hollow ware from pulp, Machine for making. J. B. Young. No. 1,252,761; Jan. 8; v. 246; p. 416.
Hollow ware from pulp, Machine for making. J. B. Young. No. 1,285,546; Nov. 19; v. 256; p. 608.
Hollow ware. Manufacture of. G. C. Snyder. No. 1,270,890; July 2; v. 252; p. 39.
Homogenizer. F. W. Thurston. No. 1,255,827; Feb. 5; v. 247; p. 206.
Homogenizer. F. W. Thurston. No. 1,282,319; Oct. 22; v. 255; p. 700.
Honey and butter, Composition of. C. W. Harmon. No. 1,263,237; Apr. 16; v. 249; p. 692.
Honey-box frame, Section-. J. H. McKay. No. 1,281,619; Oct. 15; v. 255; p. 470.
Honey, eggs, bread, and the like, Portable case for. H. D. Graves. No. 1,284,317; Nov. 12; v. 256; p. 261.
Honey-extractor. G. W. Markle. No. 1,277,451; Sept. 3; v. 254; p. 34.
Honey-extractor, Horizontal. W. W. Somerford. No. 1,273,286; July 23; v. 252; p. 793.
Honeycombs, Apparatus for filling. H. G. Gunn. No. 1,288,874; Dec. 24; v. 257; p. 753.
Honeycombs, Septum or base for. E. L. Sechrist. No. 1,282,645; Oct. 22; v. 255; p. 789.
Honing device. H. F. Adams. No. 1,283,613; Nov. 5; v. 256; p. 46.
Honing or grinding machine. C. Schumacher. No. 1,255,799; Feb. 5; v. 247; p. 198.

Hood. B. Bernard. No. 1,263,362; Apr. 23; v. 249; p. 746.
Hood. B. Bernard. No. 1,263,514; Apr. 23; v. 249; p. 790.
Hood-holder. G. M. A. Blanco. No. 1,271,121; July 2; v. 252; p. 103.
Hood-lock. J. W. Alexander. No. 1,265,026; May 7; v. 250; p. 44.
Hood, Sleeping-. A. O. Nordstrom and A. Wahlstrand. No. 1,263,595; Apr. 23; v. 249; p. 812.
Hoof-knife. H. Johns. No. 1,263,253; Apr. 16; v. 249; p. 696.
Hoof-pad. F. R. Button. No. 1,273,731; July 23; v. 252; p. 912.
Hoof-spreader. F. L. Wellman. No. 1,267,151; May 21; v. 250; p. 692.
Hook: *See*—
Back-band hook.
Bucket-hook.
Butt-hook.
Button-hook.
Candy-pulling hook.
Cant-hook.
Chain-hook.
Chandelier cluster-hook.
Clothes-hook.
Collar-hook.
Crane-hook.
Crochet-hook.
Detaching-hook.
Grab-hook.
Fish-hook.
Gaff-hook.
Grapple-hook.
Harness-hook.
Hat and coat hook.
Hay and straw hook.
Hoisting-hook.
Key-hook.
Lacing-hook.
Ladder-hook.
Lantern-hook.
Legging and retaining-hook.
Life-boat-releasing hook.
Logging-hook.
Mud-hook.
Picture-hook.
Rail-hook.
Safety-hook.
Safety hoisting-hook.
Snap-hook.
Suspension-hook.
Swing-hook.
Swingletree-hook.
Switch-hook.
Swivel-hook.
Tatting-hook.
Tug-hook.
Vehicle-trailer-pole hook.
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Weed-hook.
Hook. K. Berger. No. 1,289,616; Dec. 31; v. 257; p. 962.
Hook. C. T. Eaid. No. 1,267,064; May 21; v. 250; p. 666.
Hook. L. Ferrell. No. 1,253,804; Jan. 15; v. 246; p. 748.
Hook. J. P. Reinig. No. 1,260,710; Mar. 26; v. 248; p. 902.
Hook and eye. H. S. Fitzgerald. No. 1,254,491; Jan. 22; v. 246; p. 965.
Hook and eye. M. A. Larrimore. No. 1,265,681; May 7; v. 250; p. 219.
Hook and eye. F. J. Rappold. No. 1,261,165; Apr. 2; v. 249; p. 49.
Hook and eye. J. B. Russ. No. 1,272,857; July 16; v. 252; p. 652.
Hook and eye. A. V. Thompson. No. 1,281,710; Oct. 15; v. 255; p. 494.
Hook-and-eye fastener, Hook member of. H. Gerits. No. 1,282,066; Oct. 22; v. 255; p. 631.
Hook-and-eye tape. E. Kramer. No. 1,274,283; July 30; v. 252; p. 1105.
Hook mechanism, Releasing-. L. H. and M. H. Robinson. No. 1,281,071; Oct. 8; v. 255; p. 289.
Hooks and eyes to fabrics, Means for attaching. W. D. Michener. No. 1,270,966; July 2; v. 252; p. 61.
Hoop: *See*—
Barrel-hoop.
Cheese-hoop.
Musical hoop.
Returning hoop.
Toy hoop.
Hoop. M. A. Meeker. No. 1,266,699; May 21; v. 250; p. 564.
Hoop-coupling. A. O. Hubbard. No. 1,286,641; Dec. 3; v. 257; p. 112.
Hoops, Manufacture of. J. W. Brainard. No. 1,273,139; July 23; v. 252; p. 755.
Hoops to cylindrical bodies, Machine for applying chine-. H. C. Herr. No. 1,265,712; May 7; v. 250; p. 228.
Hopper. A. R. Havener. No. 1,277,721; Sept. 3; v. 254; p. 108.
Hopper. H. W. Tiffany. No. 1,282,987; Oct. 29; v. 255; p. 912.
Hopper and spout construction. C. D. McArthur. No. 1,259,421; Mar. 12; v. 248; p. 463.
Hopper, Article-feeding. E. Nordstrom. No. 1,276,562; Aug. 20; v. 253; p. 676.
Hopper-bottom. F. E. Carr. No. 1,288,832; Dec. 24; v. 257; p. 743.
Hopper-door. J. F. Peck. No. 1,272,215; July 16; v. 252; p. 553.
Hopper, Dumping-. A. P. Lee. No. 1,253,059; Jan. 8; v. 246; p. 504.
Hopper, Dumping-. A. P. Lee. No. 1,266,500; May 14; v. 250; p. 477.
Hopper, Feed-. F. Hoffman. No. 1,286,002; Nov. 26; v. 256; p. 763.
Hopple, Animal-. A. B. Smith. No. 1,278,239; Sept. 10; v. 254; p. 272.
Horizontal bar. W. S. Tothill. No. 1,286,151; Nov. 26; v. 256; p. 798.
Horn. I. Buckman. No. 1,272,615; July 16; v. 252; p. 582.
Horn. P. C. Burns. No. 1,265,605; May 7; v. 250; p. 199.

Horn. L. G. Hartdorn. No. 1,288,880; Dec. 24; v. 257; p. 755.
Horn-actuating mechanism. J. R. Marsico. No. 1,288,636; Dec. 24; v. 257; p. 697.
Horn, Diaphragm-. J. Wilkinson. No. 1,275,815; Aug. 13; v. 253; p. 437.
Horn, Electric. W. W. Dean. No. 1,267,060; May 21; v. 250; p. 665.
Horn, Hand-operated. D. A. McConnell. No. 1,287,080; Dec. 17; v. 257; p. 535.
Horn, Mechanical. J. R. Marisco. No. 1,269,477; June 11; v. 251; p. 412.
Horn, Motor-cycle. R. H. Manson. No. 1,268,863; June 11; v. 251; p. 243.
Horn or bell attachment. H. Beckwith. No. 1,278,095; Sept. 10; v. 254; p. 233.
Horn, Signal-. H. H. Boyce. No. 1,267,507; May 28; v. 250; p. 815.
Horn, Signal-. H. H. Boyce. No. 1,267,739; May 28; v. 250; p. 880.
Horn, Signal-. D. B. Hill. No. 1,277,587; Sept. 3; v. 254; p. 70.
Horn, Signaling-. W. Kaisling. No. 1,267,418; May 28; v. 250; p. 791.
Horn switch, Electric-. E. E. Johnson. No. 1,254,405; Jan. 22; v. 246; p. 941.
Horn, Wind-. H. A. Neuwiller. No. 1,264,841; Apr. 30; v. 249; p. 1186.
Horny material, Manufacture of articles of. M. Segre, No. 1,258,475; Mar. 5; v. 248; p. 152.
Horological device. W. Szabat. No. 1,252,735; Jan. 8; v. 246; p. 408.
Horse. O. Larsen. No. 1,286,663; Dec. 3; v. 257; p. 117.
Horse, Adjustable. G. G. Staines. No. 1,271,095; July 2; v. 252; p. 96.
Horse-detacher. J. Tokaryk. No. 1,259,566; Mar. 19; v. 248; p. 536.
Horse drop-evener, Three-. G. D. Houston. No. 1,280,736; Oct. 8; v. 255; p. 198.
Horse holder and releaser, Multiple. I. Niemi. No. 1,267,582; May 28; v. 250; p. 837.
Horse holder and releaser, Multiple. M. Samppi. No. 1,285,403; Nov. 19; v. 256; p. 573.
Horse-restraining device. C. F. Crawford. No. 1,252,667; Jan. 8; v. 246; p. 389.
Horse-sling. S. B. Dunn. No. 1,277,052; Aug. 27; v. 253; p. 844.
Horse-twitch. H. W. McCall. No. 1,257,899; Feb. 26; v. 247; p. 927.
Horseshoe. A. F. Barron. No. 1,265,034; May 7; v. 250; p. 46.
Horseshoe. A. Boros and E. Hemestray. No. 1,282,742; Oct. 29; v. 255; p. 843.
Horseshoe. D. Cribbis. No. 1,287,245; Dec. 10; v. 257; p. 297.
Horseshoe. R. C. Hamilton. No. 1,255,092; Jan. 29; v. 246; p. 1169.
Horseshoe. F. Karpy. No. 1,277,219; Aug. 27; v. 253; p. 889.
Horseshoe. F. Kusiak. No. 1,271,177; July 2; v. 252; p. 120.
Horseshoe. M. Magich. No. 1,265,931; May 14; v. 250; p. 322.
Horseshoe. J. J. McMullen. No. 1,280,791; Oct. 8; v. 255; p. 214.
Horseshoe. A. Mrakitsch. No. 1,265,942; May 14; v. 250; p. 325.
Horseshoe. S. Nordlund. No. 1,264,121; Apr. 23; v. 249; p. 954.
Horseshoe. G. Rossi. No. 1,283,567; Nov. 5; v. 256; p. 34.
Horseshoe. I. Simatič. No. 1,263,135; Apr. 16; v. 249; p. 665.
Horseshoe. E. W. Thompson. No. 1,252,863; Jan. 8; v. 246; p. 443.
Horseshoe. S. Warminski. No. 1,273,294; July 23; v. 252; p. 795.
Horseshoe. S. Wiesenberg. No. 1,274,483; Aug. 6; v. 253; p. 41.
Horseshoe. L. Willett. No. 1,272,591; July 16; v. 252; p. 575.
Horseshoe attachment. H. Huether. No. 1,252,442; Jan. 8; v. 246; p. 322.
Horseshoe-blank-forming machine. G. C. Russell. No. 1,266,322; May 14; v. 250; p. 430.
Horseshoe-calk. M. J. Griffin. No. 1,264,919; May 7; v. 250; p. 13.
Horseshoe-calk. I. Konczewski. No. 1,269,824; June 18; v. 251; p. 542.
Horseshoe-calk. P. La Plant. No. 1,281,591; Oct. 15; v. 255; p. 464.
Horseshoe-calk. J. Lewis. No. 1,280,499; Oct. 1; v. 255; p. 107.
Horseshoe-calk. M. R. Myers. No. 1,262,970; Apr. 16; v. 249; p. 616.
Horseshoe-calk. J. A. Pennington. No. 1,260,028; Mar. 19; v. 248; p. 671.
Horseshoe-calk attachment. G. J. Helfrich. No. 1,261,231; Apr. 2; v. 249; p. 67.
Horseshoe-clamp. A. C. Ferrier. No. 1,288,546; Dec. 24; v. 257; p. 675.
Horseshoe, Detachable. J. Otreba. No. 1,283,549; Nov. 5; v. 256; p. 29.
Horseshoe hoof-protector attachment. T. Munn. No. 1,280,814; Oct. 8; v. 255; p. 221.
Horseshoe-nail. A. W. Knight. No. 1,276,544; Aug. 20; v. 253; p. 671.
Horseshoe, Nailless. H. Borcherts. No. 1,262,627; Apr. 16; v. 249; p. 519.
Horseshoes, Detachable-calk attachment for. J. Schultz. No. 1,254,439; Jan. 22; v. 246; p. 950.
Horseshoes, Drive-calk for. G. S. Everhart. No. 1,274,025; July 30; v. 252; p. 1032.
Horseshoes, Manufacture of. L. A. and H. D. Hindley and W. Stanford. No. 1,269,813; June 18; v. 251; p. 539.
Horseshoeing appliance. F. J. France and P. F. Craun. No. 1,278,628; Sept. 10; v. 254; p. 376.
Horseshoeing-stand. C. J. McCarty. No. 1,274,727; Aug. 6; v. 253; p. 111.
Horseshoeing-tool. C. Pinegar. No. 1,270,204; June 18; v. 251; p. 642.
Hose. E. J. Coughlin. No. 1,256,520; Feb. 19; v. 247; p. 488.
Hose. H. W. Goodall. No. 1,281,557; Oct. 15; v. 255; p. 455.
Hose and making same. N. D. Crawford. No. 1,280,170; Oct. 1; v. 255; p. 15.
Hose-band. W. A. Osley. No. 1,268,761; June 4; v. 251; p. 195.
Hose-clamp. C. D. Bennett. No. 1,266,655; May 21; v. 250; p. 553.
Hose-clamp. J. R. Clancy. No. 1,270,927; July 2; v. 252; p. 50.
Hose-clamp. W. L. Crabill and W. E. Wiley. No. 1,268,934; June 11; v. 251; p. 262.
Hose-clamp. S. J. Hart. No. 1,284,325; Nov. 12; v. 256; p. 263.
Hose-clamp. C. Jensen. No. 1,285,204; Nov. 19; v. 256; p. 523.
Hose-clamp. G. F. Jones. No. 1,282,848; Oct. 29; v. 255; p. 873.
Hose-clamp. G. Klimek. No. 1,264,659; Apr. 30; v. 249; p. 1139.
Hose-clamp. S. J. Linton. No. 1,270,960; July 2; v. 252; p. 59.
Hose-clamp. E. J. Richardson. No. 1,275,091; Aug. 6; v. 253; p. 212.
Hose-clamp. A. Roscetta. No. 1,288,204; Dec. 17; v. 257; p. 565.
Hose-clamp. F. C. Scott. No. 1,272,541; July 16; v. 252; p. 560.
Hose-clamp. A. P. Swaidmark. (Reissue.) No. 14,503; Aug. 13; v. 252; p. 490.
Hose-clamp. T. F. Tyler. No. 1,262,413; Apr. 9; v. 249; p. 430.
Hose-clamp. T. J. Williams. No. 1,259,329; Mar. 12; v. 248; p. 437.
Hose-clamp and support, Combined. A. B. Hurley. No. 1,274,717; Aug. 6; v. 253; p. 108.
Hose connection, Tank-. S. I. Pedigo. No. 1,278,004; Sept. 3; v. 254; p. 184.
Hose-connector. E. S. Looze. No. 1,253,065; Jan. 8; v. 246; p. 506.
Hose-coupling. R. M. Brandon. No. 1,261,687; Apr. 2; v. 249; p. 197.
Hose-coupling. C. M. Clay. No. 1,252,660; Jan. 8; v. 246; p. 386.
Hose-coupling. C. Elkin. No. 1,289,714; Dec. 31; v. 257; p. 985.
Hose-coupling. J. W. Frazier and F. E. Hansen. No. 1,274,406; Aug. 6; v. 253; p. 18.
Hose-coupling. J. B. Gathright. No. 1,269,924; June 18; v. 251; p. 567.
Hose-coupling. E. H. Gold. No. 1,282,068; Oct. 22; v. 255; p. 631.
Hose-coupling. M. A. Greene. No. 1,255,738; Feb. 5; v. 247; p. 181.
Hose-coupling. R. C. Hilton. No. 1,263,557; Apr. 23; v. 249; p. 802.
Hose-coupling. J. J. Keane. No. 1,283,207; Oct. 29; v. 255; p. 970.
Hose-coupling. J. H. Kelley. No. 1,284,358; Nov. 12; v. 256; p. 271.
Hose-coupling. T. J. Madigan. No. 1,259,423; Mar. 12; v. 248; p. 464.
Hose-coupling. J. M. Oden. No. 1,288,148; Dec. 17; v. 257; p. 552.
Hose-coupling. J. J. Reynolds. No. 1,284,775; Nov. 12; v. 256; p. 374.
Hose-coupling. H. B. Robinson. No. 1,278,020; Sept. 3; v. 254; p. 188.
Hose-coupling. E. G. Thompson. No. 1,254,375; Jan. 22; v. 246; p. 932.
Hose-coupling. J. B. Yarnell and F. Mertz. No. 1,285,543; Nov. 19; v. 256; p. 607.
Hose-coupling. W. G. Wilson. No. 1,264,736; Apr. 30; v. 249; p. 1158.
Hose-coupling. A. H. Wolfe. No. 1,258,073; Mar. 5; v. 248; p. 36.
Hose-coupling and air-valve plug, Combination. E. W. De Wilton. No. 1,272,234; July 9; v. 252; p. 449.

Hose-coupling, Automatic. R. F. Leftwich. No. 1,263,574; Apr. 23; v. 249; p. 806.
Hose-coupling, Automatic. J. T. Ward. No. 1,276,138; Aug. 20; v. 253; p. 559.
Hose coupling, Automatic air-brake-. S. M. Dick. No. 1,256,778; Feb. 19; v. 247; p. 563.
Hose coupling, Canvas-. N. B. Braly. (Reissue.) No. 14,563; Dec. 10; v. 257; p. 385.
Hose-coupling device, Air-line-. F. M. Thomas. No. 1,261,318; Apr. 2; v. 249; p. 93.
Hose-coupling, Quick-acting. N. Ulleland. No. 1,253,309; Jan. 15; v. 246; p. 605.
Hose-couplings, Gasket for. E. E. Gold. No. 1,251,767; Jan. 1; v. 246; p. 98.
Hose, Covered. H. W. Goodall. No. 1,276,752; Aug. 27; v. 253; p. 765.
Hose fitting, Flexible-. J. B. Davis. No. 1,266,416; May 14; v. 250; p. 454.
Hose, Gasolene-proof. J. Fentress. No. 1,255,867; Feb. 12; v. 247; p. 258.
Hose-holder. W. F. Messiter. No. 1,275,068; Aug. 6; v. 253; p. 206.
Hose-making machine. S. J. Sill. No. 1,258,820; Mar. 12; v. 248; p. 292.
Hose or pipe coupling. A. Benzinger. No. 1,257,785; Feb. 26; v. 247; p. 894.
Hose-patch. L. B. Dutcher. No. 1,261,221; Apr. 2; v. 249; p. 64.
Hose-pipe clasp. A. D. Westcott. No. 1,252,637; Jan. 8; v. 246; p. 380.
Hose-rack. W. A. Corder. No. 1,258,093; Mar. 5; v. 248; p. 42.
Hose rack and valve, Combined. A. Johnson. No. 1,252,699; Jan. 8; v. 246; p. 398.
Hose-reel. W. Boss. No. 1,255,854; Feb. 12; v. 247; p. 255.
Hose-reel, Automatic. W. E. Steed. No. 1,280,574; Oct. 1; v. 255; p. 127.
Hose, Spiral metallic. E. Witzenmann. No. 1,270,579. June 25; v. 251; p. 772.
Hose-supporter. E. Armstrong. No. 1,252,987; Jan. 8; v. 246; p. 482.
Hose-supporter. C. M. Corlew, E. Scudder, and J. Carleton. No. 1,281,523; Oct. 15; v. 255; p. 446.
Hose-supporter. A. J. D'Ostroph. No. 1,255,717; Feb. 5, v. 247; p. 175.
Hose-supporter. J. B. Hohmann. No. 1,261,027; Apr. 2; v. 249; p. 11.
Hose-supporter. D. Lichtenstein. No. 1,288,939; Dec. 24; v. 257; p. 770.
Hose-supporter. E. C. Pierce. No. 1,284,201; Nov. 5; v. 256; p. 201.
Hose-supporter. H. Schottenfels. No. 1,474,944; Aug. 6; v. 253; p. 171.
Hose-supporter. W. A. Simmons. No. 1,287,475; Dec. 10; v. 257; p. 352.
Hose-supporter. A. W. White. No. 1,276,145; Aug. 20; v. 253; p. 561.
Hose-supporter. A. M. Wilson. No. 1,274,225; July 30; v. 252; p. 1089.
Hose-supporter. C. C. Zabriskie. No. 1,254,759; Jan. 29; v. 246; p. 1073.
Hose-supporter clasp. H. J. Stuart. No. 1,283,953; Nov. 5; v. 256; p. 135.
Hose-supporter pad. J. S. North. No. 1,278,727; Sept. 10; v. 254; p. 403.
Hose suspension. N. B. Braly. No. 1,261,008; Apr. 2; v. 249; p. 5.
Hosiery. W. E. Hinchliff. No. 1,262,668; Apr. 16; v. 249; p. 531.
Hosiery. A. Smith. No. 1,257,643; Feb. 26; v. 247; p. 852.
Hosiery. L. N. D. Williams. No. 1,270,083; June 18; v. 251; p. 609.
Hosiery drying and shaping structure. L. F. Gray, L. Wedge, and E. Giese. No. 1,279,332; Sept. 17; v. 254; p. 595.
Hosiery drying and shaping structure. W. L. Rieck. No. 1,273,093; July 16; v. 252; p. 716.
Hosiery-drying apparatus. P. M. Smith and T. W. Prosser. No. 1,253,994; Jan. 15; v. 246; p. 802.
Hosiery-finishing apparatus. J. G. Prosser. No. 1,268,066; May 28; v. 250; p. 972.
Hosiery-finishing form. L. F. Gray. No. 1,254,626; Jan. 22; v. 246; p. 1004.
Hosiery-shipping receptacle. P. F. Vogel. No. 1,281,255; Oct. 8; v. 255; p. 341.
Hospital, Field-. E. Miller. No. 1,258,694; Mar. 12; v. 248; p. 256.
Hospital reading-stand. J. Tirpak. No. 1,286,840; Dec. 3; v. 257; p. 155.
Hot-air and moisture device, Auxiliary. W. D. Fleak and A. W. Gantry. No. 1,278,900; Sept. 17; v. 254; p. 480.
Hot-air engine. E. E. Campbell and G. W. Heald. No. 1,277,849; Sept. 3; v. 254; p. 144.
Hot-air furnace. F. A. Conrad. No. 1,256,775; Feb. 19; v. 247; p. 562.
Hot-air furnace. H. J. Roscoe. No. 1,266,994; May 21; v. 250; p. 646.
Hot-air heater. W. Swetland. No. 1,259,314; Mar. 12; v. 248; p. 432.
Hot-air heater, Combination. O. Miller. No. 1,285,777; Nov. 26; v. 256; p. 707.
Hot-air register. E. L. Hayden. No. 1,271,313; July 2; v. 252; p. 158.
Hot appliance. C. W. Spurr, Jr. No. 1,254,443; Jan. 22; v. 246; p. 951.
Hot-box alarm for journal-boxes of railway-cars, Automatic. E. Jordan and J. F. Reinert. No. 1,270,954; July 2; v. 252; p. 57.
Hot-box cooler. E. W. Hartough. No. 1,284,327; Nov. 12; v. 256; p. 263.
Hot-plate. W. F. Teller. No. 1,267,932; May 28; v. 250; p. 936.
Hot-water boiler. F. J. Walling. No. 1,271,634; July 9; v. 252; p. 279.
Hot-water boot. H. W. Marcellus. No. 1,257,086; Feb. 19; v. 247; p. 653.
Hot-water bottle. A. H. Leighton. No. 1,288,061; Dec. 17; v. 257; p. 530.
Hot-water heater. J. Martens. No. 1,255,454; Feb. 5; v. 247; p. 98.
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Hot-water heating apparatus. W. and H. W. Gould. No. 1,289,734; Dec. 31; v. 257; p. 990.
Hot-work article. J. W. Taylor. No. 1,282,981; Oct. 29; v. 255; p. 910.
House: *See*—
Bath-house.
Chicken-house.
Dwelling-house.
Guard-house.
Knockdown house.
Portable house.
Portable smoke-house.
Sheet-metal house.
Smoke-house.
Toy house.
House-jack. I. E. Phelps. No. 1,279,901; Sept. 24; v. 254; p. 781.
House-moving device. A. C. McNichol. No. 1,261,142; Apr. 2; v. 249; p. 43.
House, Portable infant-. W. Reuss. No. 1,282,292; Oct. 22; v. 255; p. 693.
Household utility device. C. L. Farrar. No. 1,256,002; Feb. 12; v. 247; p. 298.
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Hover or brooder. J. F. MacKay. No. 1,256,711; Feb. 19; v. 247; p. 543.
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Hub attachment. L. H. Reichenberger. No. 1,251,920; Jan. 1; v. 246; p. 142.
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Hub-cap. F. G. Taylor. No. 1,283,967; Nov. 5; v. 256; p. 139.
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Hub-covers and the like, Fastening for. M. T. Davis, Jr. No. 1,257,585; Feb. 26; v. 247; p. 835.
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Hub-lubricator, Driving-box. F. W. Martin. No. 1,268,748; June 4; v. 251; p. 191.
Hub, Shaft-driven pivotal. J. W. Moakler. No. 1,268,866; June 11; v. 251; p. 244.
Hub, Spring-. H. E. Grider. No. 1,264,502; Apr. 30; v. 249; p. 1095.
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Hydrating dolomitic or magnesian lime. C. and I. Warner. No. 1,284,505; Nov. 12; v. 256; p. 307.
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Hydrocarbons, lighter from heavier, and especially of gasolene and other product from kerosene, Extraction of. F. A. Howard. No. 1,284,687; Nov. 12; v. 256; p. 352.
Hydrocarbons, Manufacture of chlorinated. J. B. Garner and H. D. Clayton. No. 1,262,769; Apr. 16; v. 249; p. 560.
Hydrocarbons, Manufacturing halogen products of. B. S. Lacy. No. 1,286,353; Dec. 3; v. 257; p. 41.
Hydrocarbons, Obtaining aromatic. F. B. Holmes. No. 1,276,219; Aug. 20; v. 253; p. 581.
Hydrocarbons or liquids likely to form emulsions, Apparatus for treating or distilling. F. M. A. A. Melchior. No. 1,253,411; Jan. 15; v. 246; p. 638.
Hydrocarbons, Process of and apparatus for oxidizing. K. P. McElroy. No. 1,253,617; Jan. 15; v. 246; p. 695.
Hydrocarbons, Producing aromatic. R. L. Hill. No. 1,269,439; June 11; v. 251; p. 402.
Hydrocarbons, Purifying crude. J. E. Thompson. No. 1,276,284; Aug. 20; v. 263; p. 599.
Hydrocarbons, Separating. R. R. Rosenbaum. No. 1,278,023; Sept. 3; v. 254; p. 188.
Hydrocarbons, Treatment of. J. Rosen. No. 1,259,674; Mar. 19; v. 248; p. 566.
Hydrocarbonaceous or bituminous product and making the same. T. M. Hart. No. 1,252,433; Jan. 8; v. 246; p. 320.
Hydrogas-motor, Turbine. C. F. Noakes. No. 1,260,015; Mar. 19; v. 248; p. 667.
Hydrogen and barium nitrate, Manufacture of peroxid of. F. Cobellis. No. 1,273,824; July 30; v. 252; p. 975.
Hydrogen and carbon-black, Apparatus for manufacture of. R. H. Brownlee and R. H. Uhlinger. No. 1,265,043; May 7; v. 250; p. 48.
Hydrogen and carbon-black, Manufacture of. R. H. Brownlee and R. H. Uhlinger. No. 1,276,487; Aug. 20; v. 253; p. 656.
Hydrogen, Manufacture of pure. E. B. Maxted. No. 1,253,622; Jan. 15; v. 246; p. 697.
Hydrogen peroxid and making the same, Stable. A. Schaidhauf. No. 1,275,765; Aug. 13; v. 253; p. 424.
Hydrogen peroxid, Producing. O. Liebknecht. No. 1,262,589; Apr. 9; v. 249; p. 480.
Hydrogen peroxid, Producing. P. Pickl. No. 1,271,611; July 9; v. 252; p. 273.
Hydrogen, Producing. H. Keller. No. 1,286,650; Dec. 3; v. 257; p. 114.
Hydrogen purifying, cleaning, and circulating system. C. A. Pfanstiehl. No. 1,286,088; Nov. 26; v. 256; p. 783.
Hydrogenating fats, oils, waxes, and the like, Process of and apparatus for. T. B. Walker. No. 1,276,290; Aug. 20; v. 253; p. 600.
Hydrogenating fatty materials. C. Ellis. No. 1,285,959; Nov. 26; v. 256; p. 752.
Hydrogenating oily material containing unsaturated bodies. M. H. Ittner. No. 1,271,575; July 9; v. 252; p. 263.
Hydrogenating unsaturated bodies. C. Ellis. No. 1,285,960; Nov. 26; v. 256; p. 752.
Hydrogenation. C. Ellis. No. 1,266,782; May 21; v. 250; p. 588.
Hydrogenation. A. Schwarcman. No. 1,280,315; Oct. 1; v. 255; p. 56.
Hydrogenation of unsaturated bodies. M. H. Ittner. No. 1,271,576; July 9; v. 252; p. 264.
Hydrogenation, Product of. C. Ellis. (Reissue.) No. 14,429; Jan. 29; v. 246; p. 1178.
Hydroplane. W. H. Cotton. No. 1,257,678; Feb. 26; v. 247; p. 862.
Hydroplane. J. Petit. No. 1,274,767; Aug. 6; v. 253; p. 122.
Hydroplane, Current-propelled. F. S. Baird. No. 1,279,218; Sept. 17; v. 254; p. 563.
Hydroplane-hulls, Construction of. L. Bazaine. No. 1,265,035; May 7; v. 250; p. 46.
Hydrotriplane for army purposes. M. Jelalian. No. 1,263,676; Apr. 23; v. 249; p. 834.
Hygroscopic composition. K. P. McElroy. No. 1,268,135; June 4; v. 251; p. 19.
Hygrostat. B. L. Cushing. No. 1,282,196; Oct. 22; v. 255; p. 667.
Hypodermic needle. H. K. Mulford. No. 1,263,793; Apr. 23; v. 249; p. 864.
Hypodermic needle. R. H. Riethmueller. No. 1,272,104; July 9; v. 252; p. 413.
Hypodermic needle. R. H. Riethmueller. No. 1,274,081; July 30; v. 252; p. 1048.
Hypodermic-needle box. J. J. Richards, Jr., and M. Andelman. No. 1,279,760; Sept. 24; v. 254; p. 739.
Hypodermic-needle sterilizer. P. R. Marshall and H. L. Goss. No. 1,265,224; May 7; v. 250; p. 97.
Ice-box and water-cooler. J. T. Peters. No. 1,286,084; Nov. 26; v. 256; p. 782.
Ice-box file, Left-over. E. I. Ludwig. No. 1,278,695; Sept. 10; v. 254; p. 395.
Ice cakes from raw water and apparatus for same, Making. J. P. Boyle and W. A. Inman. No. 1,279,239; Sept. 17; v. 254; p. 569.
Ice-can. C. C. Fouts. No. 1,282,797; Oct. 29; v. 255; p. 858.
Ice-can-holding means. J. H. Coesfeld. No. 1,278,109; Sept. 10; v. 254; p. 237.
Ice-card holder. T. E. Lockard. No. 1,269,828; June 18; v. 251; p. 543.
Ice-cream-bricking machine. E. J. Retzbach. No. 1,288,442; Dec. 17; v. 257; p. 620.
Ice-cream-cone carrier, Sanitary. L. W. Evans. No. 1,260,528; Mar. 26; v. 248; p. 848.
Ice-cream-cone disher. N. Pepin. No. 1,255,785; Feb. 5; v. 247; p. 194.
Ice-cream-cone-dispensing machine. R. H. Proper. No. 1,289,907; Dec. 31; v. 257; p. 1033.
Ice-cream-cone filler. F. C. Kistler. No. 1,279,553; Sept. 24; v. 254; p. 679.
Ice-cream-cone-machine mold. F. A. Bruckman. No. 1,274,506; Aug. 6; v. 253; p. 47.
Ice-cream cones, Apparatus for the manufacture of. L. Lewison. No. 1,289,209; Dec. 31; v. 257; p. 860.
Ice-cream cones, &c., Package and dispensing-container for. A. McLaren. No. 1,283,244; Oct. 29; v. 255; p. 980.
Ice-cream cutter. C. E. Phenicie. No. 1,277,116; Aug. 27; v. 253; p. 862.
Ice-cream dipper. T. Klugiewicz. No. 1,271,327; July 2; v. 252; p. 162.
Ice-cream dipper. A. M. Larrowe and A. L. Kline. No. 1,253,057; Jan. 8; v. 246; p. 503.
Ice-cream dipper-mold. H. Landman. No. 1,278,686; Sept. 10; v. 254; p. 392.
Ice-cream-dispensing machine. P. Fritz. No. 1,269,699; June 18; v. 251; p. 505.
Ice-cream freezer. J. Hirsch. No. 1,268,713; June 4; v. 251; p. 182.

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Ice-cream freezer. O. F. Primrose. No. 1,266,047; May 14; v. 250; p. 354.
Ice-cream freezer and refrigerator, Combined. W. H. Sargent. No. 1,285,409; Nov. 19; v. 256; p. 574.
Ice-cream-pail filler. W. C. Sears. No. 1,253,731; Jan. 15; v. 246; p. 729.
Ice-cream-serving device. F. P. Miller, Jr. No. 1,255,906; Feb. 12; v. 247; p. 270.
Ice-creeper. V. Ajello. No. 1,259,705; Mar. 19; v. 248; p. 575.
Ice-creeper. P. T. Dunn. No. 1,256,300; Feb. 12; v. 247; p. 387.
Ice-creeper. M. A. Heinzer. No. 1,277,924; Sept. 3; v. 254; p. 163.
Ice-creeper. F. Herman. No. 1,275,917; Aug. 13; v. 253; p. 465.
Ice-creeper. A. Schemel. No. 1,277,135; Aug. 27; v. 253; p. 868.
Ice-cutter. G. W. Tribbey. No. 1,265,976; May 14; v. 250; p. 335.
Ice-cutting device, Steam. I. Kruger. No. 1,288,039; Dec. 17; v. 257; p. 525.
Ice-cutting machine. H. W. Bahrenburg and H. Mikkelsen. No. 1,283,036; Oct. 29; v. 255; p. 925.
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Ice-fishing device. H. Gampert. No. 1,275,014; Aug. 6; v. 253; p. 190.
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Ice-harvesting machinery. E. M. Bond. No. 1,268,088; June 4; v. 251; p. 6.
Ice-holder. A. H. Brown. No. 1,257,797; Feb. 26; v. 247; p. 897.
Ice into blocks, Mechanism for cutting. H. D. Pratt. No. 1,257,738; Feb. 26; v. 247; p. 881.
Ice-loader. F. R. Andrus. No. 1,254,108; Jan. 22; v. 246; p. 856.
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Ice-machines, Ammonia-condenser for. W. H. Manns. No. 1,272,286; July 9; v. 252; p. 463.
Ice-making apparatus. C. M. Gay. No. 1,273,055; July 16; v. 252; p. 706.
Ice-making apparatus. H. J. Smith. No. 1,270,455; June 25; v. 251; p. 737.
Ice-manufacturing apparatus. R. C. Sinkes. No. 1,268,168; June 4; v. 251; p. 28.
Ice manufacture, Apparatus for. F. Ophuls. No. 1,267,795; May 28; v. 250; p. 896.
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Ice or water bag. J. Takamine, Jr. No. 1,264,710; Apr. 30; v. 249; p. 1152.
Ice-pan for refrigerators. H. C. Fratt. No. 1,286,575; Dec. 3; v. 257; p. 96.
Ice, Producing raw-water can-. G. M. Kleucker. No. 1,254,511; Jan. 22; v. 246; p. 971.
Ice-receptacles, Lining structure for. J. J. Wompey. No. 1,276,303; Aug. 20; v. 253; p. 604.
Ice saw and pick, Combination. W. S. Palmer. No. 1,266,982; May 21; v. 250; p. 643.
Ice-shaving machines, Feed mechanism for. W. Maechler. No. 1,252,600; Jan. 8; v. 246; p. 370.
Ice, Starting device for floating. E. W. Fletcher. No. 1,281,331; Oct. 15; v. 255; p. 394.
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Ice-tool. R. C. Lafferty. No. 1,267,233; May 21; v. 250; p. 714.
Icing machines, Jelly-depositing attachment for cake-. E. Legler. No. 1,260,558; Mar. 26; v. 248; p. 856.
Igniter. F. H. Davenport and H. H. Manning. No. 1,267,984; May 28; v. 250; p. 950.
Igniter and simmerer. Flash-. J. F. Rutz and F. A. Gauger. No. 1,268,389; June 4; v. 251; p. 91.
Igniter, Initial. O. Matter. No. 1,254,147; Jan. 22; v. 246; p. 867.
Igniter, Oil-engine. G. H. Jernberg. No. 1,280,748; Oct. 8; v. 255; p. 201.
Igniters, Breaker-arm for. J. E. Johnson. No. 1,266,811; May 21; v. 250; p. 596.
Igniting and lighting generators, End plate for combined. J. M. Wilson. No. 1,260,843; Mar. 26; v. 248; p. 938.
Igniting device. W. Draeger. No. 1,254,486; Jan. 22; v. 246; p. 964.
Ignition and fuel-injecting system, Combination. F. L. Williams. No. 1,269,989; June 18; v. 251; p. 585.
Ignition and lighting apparatus. A. H. Neuland. No. 1,275,292; Aug. 13; v. 253; p. 292.
Ignition and lighting generator, Combined. L. J. Le Pontois. No. 1,276,085; Aug. 20; v. 253; p. 542.
Ignition apparatus. S. Alsop. No. 1,289,595; Dec. 31; v. 257; p. 957.
Ignition apparatus. J. I. Crabtree. No. 1,286,891; Dec. 3; v. 257; p. 167.
Ignition apparatus. L. Wolffsohn. No. 1,279,816; Sept. 24; v. 254; p. 755.
Ignition apparatus, Distributer-cap for. W. O. Kennington. No. 1,268,473; June 4; v. 251; p. 116.
Ignition apparatus, Means for use in automatically controlling the timing in magneto. A. Rilling. No. 1,273,095; July 16; v. 252; p. 717.
Ignition breaker-boxes, Attaching means for. W. J. Brown. No. 1,251,472; Jan. 1; v. 246; p. 6.
Ignition-controller. G. B. Stone. No. 1,288,736; Dec. 24; v. 257; p. 722.
Ignition-controlling device. G. B. Maegly. No. 1,278,184; Sept. 10; v. 254; p. 257.
Ignition device. A. Dickerson. No. 1,254,584; Jan. 22; v. 246; p. 992.
Ignition device. A. Dickerson. No. 1,267,991; May 28; v. 250; p. 952.
Ignition device. J. M. Edwards. No. 1,289,135; Dec. 31; v. 257; p. 842.
Ignition device. A. Erickson. No. 1,285,653; Nov. 26; v. 256; p. 675.
Ignition device. H. F. Geist. No. 1,271,155; July 2; v. 252; p. 113.
Ignition device. W. B. Moses. No. 1,262,544; Apr. 9; v. 249; p. 467.
Ignition device. L. Sanchez. No. 1,274,941; Aug. 6; v. 253; p. 170.
Ignition device. H. R. Van Deventer. No. 1,255,069; Jan. 29; v. 246; p. 1162.
Ignition device. H. R. Van Deventer. No. 1,257,155; Feb. 19; v. 247; p. 673.
Ignition device, Compression-operated. W. F. Stanton. No. 1,255,241; Feb. 5; v. 247; p. 36.
Ignition device, Compression-operated. W. F. Stanton. No. 1,255,242; Feb. 5; v. 247; p. 36.
Ignition device, Compression-operated. W. F. Stanton. No. 1,279,473; Sept. 17; v. 254; p. 633.
Ignition devices, Distributer for. C. T. Mason. No. 1,261,048; Apr. 2; v. 249; p. 17.
Ignition-dynamo. C. T. Mason. No. 1,252,601; Jan. 8; v. 246; p. 370.
Ignition for combustion-chambers. L. A. Haines. No. 1,284,096; Nov. 5; v. 256; p. 174.
Ignition mechanism. C. Aalborg. No. 1,277,348; Sept. 3; p. 254; p. 3.
Ignition mechanism. F. Conrad. No. 1,277,388; Sept. 3; v. 254; p. 16.
Ignition-spark-controlling mechanism. G. B. Maegly. No. 1,277,447; Sept. 3; v. 254; p. 32.
Ignition-switch L. J. Werner. No. 1,258,169; Mar. 5; v. 248; p. 64.
Ignition system. I. W. Broegger. No. 1,284,054; Nov. 5; v. 256; p. 161.
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Ignition system. H. F. Geist. No. 1,271,030; July 2; v. 252; p. 79.
Ignition system. J. W. Jepson. No. 1,277,078; Aug. 27; v. 253; p. 852.
Ignition system. C. F. Kettering. No. 1,272,056; July 9; v. 252; p. 399.
Ignition system. C. F. Kettering and W. A. Chryst. No. 1,253,389; Jan. 15; v. 246; p. 631.
Ignition system. C. F. Kettering and W. A. Chryst. No. 1,265,454; May 7; v. 250; p. 160.
Ignition system. G. L. Lang. No. 1,287,705; Dec. 17; v. 257; p. 440.
Ignition system. L. Langner. No. 1,259,529; Mar. 19; v. 248; p. 526.
Ignition system. F. M. Norris. No. 1,269,495; June 11; v. 251; p. 417.
Ignition system. L. J. Werner. No. 1,254,182; Jan. 22; v. 246; p. 877.
Ignition-system adapter. J. A. Hall. No. 1,284,660; Nov. 12; v. 256; p. 345.
Ignition-tester. J. L. East, Jr. No. 1,279,305; Sept. 17; v. 254; p. 588.
Ignition-timer. R. V. Savage. No. 1,255,795; Feb. 5; v. 247; p. 197.
Illuminant. W. Sutton. No. 1,271,800; July 9; v. 252; p. 325.
Illuminant. P. H. Wilson, W. Sutton, and B. Jones. No. 1,271,819; July 9; v. 252; p. 330.
Illuminated device. J. A. Kray. No. 1,258,022; Mar. 5; v. 248; p. 22.
Illuminated fountain. N. Crane. No. 1,255,711; Feb. 5; v. 247; p. 172.
Illuminated note-pad. W. à Brassard. No. 1,279,820; Sept. 24; v. 254; p. 756.
Illuminating apparatus. J. T. Roffy. No. 1,270,972; July 2; v. 252; p. 63.
Illuminating appliance. W. A. Dorey. No. 1,259,493; Mar. 19; v. 248; p. 516.
Illuminating appliance. O. A. Mygatt. No. 1,282,617; Oct. 22; v. 255; p. 781.
Illuminating device. E. I. Dodds and R. S. Ferguson. No. 1,275,871; Aug. 13; v. 253; p. 453.
Illuminating device. D. T. Finkbeiner. No. 1,263,315; Apr. 16; v. 249; p. 712.
Illuminating device. C. L. Howard. No. 1,256,232; Feb. 12; v. 247; p. 368.
Illuminating device for shaving purposes. O. F. Stuefer. No. 1,258,058; Mar. 5; v. 248; p. 32.

Illuminating-glass. J. O. Handy. No. 1,287,005; Dec. 10; v. 257; p. 236.
Illuminating-light and camera, Combination. C. De Marco. No. 1,272,635; July 16; v. 252; p. 589.
Illuminating means. J. J. Flannery and E. I. Dodds. No. 1,275,890; Aug. 13; v. 253; p. 459.
Illumination, Indirect. H. G. O'Neill and W. E. Pearson. No. 1,257,382; Feb. 26; v. 247; p. 774.
Illuminator, Operating-table. W. L. Patterson. No. 1,277,109; Aug. 27; v. 253; p. 860.
Illuminator, Operating-table. W. L. Patterson. No. 1,277,110; Aug. 27; v. 253; p. 860.
Illuminator, Operating-table. W. L. Patterson. No. 1,277,111; Aug. 27; v. 253; p. 861.
Illuminometer. N. Macbeth and I. B. Smith. No. 1,252,598; Jan. 8; v. 246; p. 369.
Illustrating phenomena. C. F. Bishop. No. 1,270,369; June 25; v. 251; p. 713.
Images, Producing colored. E. R. Bullock. No. 1,279,248; Sept. 17; v. 254; p. 571.
Images, Production of complemental. D. F. Comstock. No. 1,280,667; Oct. 8; v. 255; p. 179.
Imitation article. C. Jaeger, M. J. Roth and C. H. Boeker. No. 1,276,658; Aug. 20; v. 253; p. 703.
Immersion-heater. W. S. Hadaway, Jr. No. 1,258,767; Mar. 12; v. 248; p. 276.
Implement, Combination. F. F. Riggs. No. 1,276,960; Aug. 27; v. 253; p. 820.
Implement, Combination. D. W. Stainbrook and R. H. Winter. No. 1,276,433; Aug. 20; v. 253; p. 641.
Implement, Manicure. R. Wild. No. 1,285,863; Nov. 26; v. 256; p. 729.
Impregnated material, Manufacture of. J. Rosen. No. 1,273,673; July 23; v. 252; p. 898.
Impregnating composition and making same. W. V. Lander. No. 1,277,322; Aug. 27; v. 253; p. 915.
Impregnating fluid particles of non-uniform moisture content, Apparatus for treating to an. G. H. Hess. No. 1,265,330; May 7; v. 250; p. 125.
Impregnating process. R. W. E. Moore. No. 1,286,057; Nov. 26; v. 256; p. 776.
Impression cup and matrix. G. Sternberg. No. 1,257,947; Feb. 26; v. 247; p. 940.
Imprint. C. Peel. No. 1,255,045; Jan. 29; v. 246; p. 1150.
Impulse-sending mechanism. O. F. Forsberg. No. 1,251,495; Jan. 1; v. 246; p. 13.
Impulse-starter. A. G. Karkau. No. 1,264,086; Apr. 23; v. 249; p. 945.
Impulse-transmitter. H. Hovland. No. 1,271,164; July 2; v. 252; p. 116.
Impulse-transmitter. A. E. Keith. No. 1,279,352; Sept. 17; v. 254; p. 602.
Impulse-transmitting device. J. A. Kropp. No. 1,262,359; Apr. 9; v. 249; p. 415.
Impulse-transmitting device or sender. H. P. Clausen. No. 1,254,658; Jan. 29; v. 246; p. 1041.
Impulse-transmitting mechanism. J. A. Wotton. No. 1,288,358; Dec. 17; v. 257; p. 601.
Incandescent bodies, Burner for. G. Dalin. No. 1,277,392; Sept. 3; v. 254; p. 17.
Incandescent-cathode arc device. C. V. Ferguson. No. 1,267,199; May 21; v. 250; p. 705.
Incandescent-cathode device. G. S. Meikle. No. 1,267,888; May 28; v. 250; p. 924.
Incandescent gas-burner, Inverted. J. Kirschbaum. No. 1,283,527; Nov. 5; v. 256; p. 24.
Incandescent-lighting apparatus. G. Dalén. No. 1,259,607; Mar. 19; v. 248; p. 548.
Incandescent-mantle holder. J. I. Robin. No. 1,259,557; Mar. 19; v. 248; p. 534.
Incandescent mantle, Inverted. C. Barbieri and P. Carpenter. No. 1,263,732; Apr. 23; v. 249; p. 848.
Incandescent mantle, Inverted. C. W. Davis. No. 1,283,691; Nov. 5; v. 256; p. 67.
Incandescent mantles, Apparatus for treating. J. I. Robin. No. 1,259,556; Mar. 19; v. 248; p. 534.
Incandescent mantles, Carton or container for. G. E. Hulse. No. 1,276,066; Aug. 20; v. 253; p. 539.
Incinerating kelp and like materials, Apparatus for. S. R. Oppenheim. No. 1,282,708; Oct. 22; v. 255; p. 806.
Incinerator. J. Borge. No. 1,275,651; Aug. 13; v. 253; p. 391.
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Incinerator. J. Conley. No. 1,272,383; July 16; v. 252; p. 518.
Incinerator. R. F. Stewart. No. 1,261,313; Apr. 2; v. 249; p. 92.
Incinerator. C. Stollberg. No. 1,279,033; Sept. 17; v. 254; p. 516.
Incinerator-closet. G. A. Greene. No. 1,267,401; May 28; v. 250; p. 786.
Incinerator, Wood-refuse. J. T. Stoddard. (Reissue.) No. 14,524; Sept. 24; v. 254; p. 841.
Incinerators. W. N. Best. No. 1,281,488; Oct. 15; v. 255; p. 436.
Inclination-indicator. O. J. Boos. No. 1,267,049; May 21; v. 250; p. 662.
Inclination-indicator. E. L. Hawley. No. 1,288,579; Dec. 24; v. 257; p. 683.
Inclinometer. J. E. Marshall. No. 1,260,565; Mar. 26; v. 248; p. 859.
Inclinometer. J. E. Marshall. No. 1,271,049; July 2; v. 252; p. 84.
Inclinometer and accelerometer. J. P. Nikonow. No. 1,285,331; Nov. 19; v. 256; p. 555.
Inclosed switch. A. K. Sutherland. No. 1,281,872; Oct. 15; v. 255; p. 539.
Inclosed switch. A. K. Sutherland. No. 1,288,739; Dec. 24; v. 257; p. 722.
Inclosed switch. A. K. Sutherland. No. 1,288,740; Dec. 24; v. 257; p. 723.
Inclosed switch. A. K. Sutherland. No. 1,288,741; Dec. 24; v. 257; p. 723.
Incubator. F. Ball. No. 1,275,829; Aug. 13; v. 253; p. 441.
Incubator. D. J. Brophy. No. 1,255,700; Feb. 5; v. 247; p. 169.
Incubator. E. D. Charters. No. 1,271,666; July 9; v. 252; p. 289.
Incubator. E. M. Crumpton. No. 1,284,611; Nov. 12; v. 256; p. 332.
Incubator. H. L. Davis. No. 1,259,726; Mar. 19; v. 248; p. 581.
Incubator. H. L. Davis. No. 1,283,402; Oct. 29; v. 255; p. 1022.
Incubator. J. C. Griesel. No. 1,257,847; Feb. 26; v. 247; p. 912.
Incubator. S. E. Harpham. No. 1,276,907; Aug. 27; v. 253; p. 805.
Incubator. R. F. Hume. No. 1,274,166; July 30; v. 252; p. 1072.
Incubator. P. Kaiser. No. 1,264,526; Apr. 30; v. 249; p. 1101.
Incubator. A. J. Laux. No. 1,282,440; Oct. 22; v. 255; p. 733.
Incubator. J. J. Le Duc. No. 1,267,486; May 28; v. 250; p. 793.
Incubator. M. J. Nelson. No. 1,258,037; Mar. 5; v. 248; p. 26.
Incubator. R. Pokoy. No. 1,286,765; Dec. 3; v. 257; p. 138.
Incubator. H. M. Sheer. No. 1,262,397; Apr. 9; v. 249; p. 426.
Incubator. H. M. Sheer. No. 1,273,679; July 23; v. 252; p. 899.
Incubator. S. B. Smith. No. 1,262,860; Apr. 16; v. 249; p. 586.
Incubator. S. B. Smith. No. 1,263,138; Apr. 16; v. 249; p. 666.
Incubator and brooder heating system. H. J. Becker. No. 1,283,045; Oct. 29; v. 255; p. 927.
Incubator attachment. P. M. and A. J. Azoline. No. 1,265,717; May 7; v. 250; p. 229.
Incubator, Electric. F. N. Blagen. No. 1,276,317; Aug. 20; v. 253; p. 608.
Incubator, Electric. M. K. Miller. No. 1,289,510; Dec. 31; v. 257; p. 936.
Incubator-frame. C. D. Conklin. No. 1,270,700; June 25; v. 251; p. 803.
Incubator-regulator. L. F. Harris and W. L. Williams. No. 1,253,593; Jan. 15; v. 246; p. 688.
Incubator-regulator. A. J. Kile. No. 1,276,543; Aug. 20; v. 253; p. 671.
Incubator-tray. H. Sugg. No. 1,283,594; Nov. 5; v. 256; p. 41.
Incubators, Automatic thermostatic control for. A. Ostheimer. No. 1,269,112; June 11; v. 251; p. 312.
Incubators, brooders, and the like, Heating attachment for. E. A. Swihart. No. 1,283,962; Nov. 5; v. 256; p. 138.
Incubators, Egg-turning device for. A. E. Barba. No. 1,277,530; Sept. 3; v. 254; p. 55.
Incubators, Egg-turning mechanism for. A. T. Pope. No. 1,254,273; Jan. 22; v. 246; p. 902.
Incubators, Heating means for. J. Sell. No. 1,277,266; Aug. 27; v. 253; p. 901.
Incubators, Moistening device for. M. D. Airgood. No. 1,254,957; Jan. 29; v. 246; p. 1132.
Indenture-making machine. D. Levinger. No. 1,262,526; Apr. 9; v. 249; p. 461.
Index. B. C. Ball. No. 1,284,981; Nov. 19; v. 256; p. 465.
Index. J. H. Rand. No. 1,272,094; July 9; v. 252; p. 410.
Index. J. H. Rand. No. 1,278,212; Sept. 10; v. 254; p. 264.
Index. J. H. Rand. No. 1,278,213; Sept. 10; v. 254; p. 264.
Index. J. H. Rand. No. 1,284,772; Nov. 12; v. 256; p. 373.
Index. J. H. Rand. No. 1,286,405; Dec. 3; v. 257; p. 54.
Index. J. H. Rand. No. 1,286,406; Dec. 3; v. 257; p. 55.
Index. J. H. Rand. No. 1,288,188; Dec. 17; v. 257; p. 562.
Index. G. G. H. Robichon. No. 1,278,019; Sept. 3; v. 254; p. 187.
Index. R. C. Russell. No. 1,261,167; Apr. 2; v. 249; p. 49.
Index. R. C. Russell. No. 1,283,319; Oct. 29; v. 255; p. 998.

Index, Card-. J. H. Rand, Jr, No. 1,268,489; June 4; v. 251; p. 119.
Index-clip. H. A. Thomson. No. 1,261,319; Apr. 2; v. 249; p. 93.
Index device. J. H. Rand. No. 1,255,929; Feb. 12; v. 247; p. 276.
Index, Equipment-. J. H. Van Deventer. No. 1,276,454; Aug. 20; v. 253; p. 647.
Index-frame. H. J. Hick. No. 1,280,732; Oct. 8; v. 255; p. 197.
Index-guide. S. Anthony. No. 1,285,579; Nov. 26; v. 256; p. 656.
Index, Map-. M. C. Ibanez. No. 1,276,657; Aug. 20; v. 253; p. 703.
Index member. J. H. Rand. No. 1,255,226; Feb. 5; v. 247; p. 31.
Index system, Card-. J. H. Rand, Jr. No. 1,272,525; July 16; v. 252; p. 556.
Index system, Card-. J. H. Rand, Jr. No. 1,272,526; July 16; v. 252; p. 556.
Index systems, Card and indicator for card-. J. H. Thompson. No. 1,272,149; July 9; v. 252; p. 426.
Index-tab. G. J. Aigner. (Reissue.) No. 14,550; Nov. 19; v. 256; p. 614.
Index, Visible. F. L. MacDonagh. No. 1,285,760; Nov. 26; v. 256; p. 702.
Indexes, Space-retaining device for card-. S. G. Hagans. No. 1,266,458; May 14; v. 250; p. 465.
Indexing-carrier. F. P. Poole. No. 1,258,808; Mar. 12; v. 248; p. 288.
Indexing, marking, and binding device. J. C. Crawford. No. 1,269,396; June 11; v. 251; p. 391.
Indexing, Method of and means for mechanical. A. R. Fergusson. No. 1,270,934; July 2; v. 252; p. 51.
Indicating and recording mechanism. A. C. Johnson. No. 1,283,789; Nov. 5; v. 256; p. 91.
Indicating and testing apparatus. M. E. Pittman. No. 1,265,953; May 14; v. 250; p. 328.
Indicating device. J. A. Hall. No. 1,262,333; Apr. 9; v. 249; p. 407.
Indicating device. W. O. Wade and C. C. Chappelle. No. 1,275,328; Aug. 13; v. 253; p. 302.
Indicating device, Audible. H. B. Barnes. No. 1,287,829; Dec. 17; v. 257; p. 473.
Indicating device or the like. H. P. Manly. No. 1,288,094; Dec. 17; v. 257; p. 539.
Indicating device, Supply-. H. H. Troxel. No. 1,280,903; Oct. 8; v. 255; p. 245.
Indicating mechanism. R. E. Thompson. No. 1,253,300; Jan. 15; v. 246; p. 602.
Indicating mechanism, Justification-space-. J. S. Bancroft and M. C. Indahl. No. 1,283,623; Nov. 5; v. 256; p. 48.
Indicating system. W. H. Matthies. No. 1,254,254; Jan. 22; v. 246; p. 897.
Indicating system, Call-. A. E. Lundell. No. 1,280,258; Oct. 1; v. 255; p. 40.
Indicator: *See*—
Aeroplane-level indicator.
Air-gage indicator.
Angle-indicator.
Automobile-indicator.
Automobile direction-indicator.
Automobile-radiator indicator.
Automobile road-guide and travel-indicator.
Automobile speed-indicator
Bearing-indicator.
Boiler-indicator.
Camera-indicator.
Can-indicator.
Car-indicator.
Cartridge-indicator.
Center-indicator.
Changeable indicator.
Compression-indicator.
Course-indicator.
Direction-indicator.
Electric traffic-indicator.
Engine-indicator.
Float-operated indicator.
Flow-indicator.
Game-indicator.
Gasolene-indicator.
Heat-ratio indicator.
Hydraulic-pressure and time indicator.
Inclination-indicator.
Information-indicator.
Level-indicator.
Liquid-container indicator.
Liquid-level indicator.
Load-indicator.
Magazine-indicator.
Mail-box letter-indicator.
Mail-box time-indicator.
Map-indicator.
Measuring-indicator.
Micrometer-indicator.
Motor-cycle course-indicator.
Output-indicator.
Polarity-indicator.
Position-indicator.
Pressure-regulator indicator.
Price-indicator.
Rain-indicator.
Relation-indicator.
Side-force and danger indicator.
Speed-indicator.
Station-indicator.
Stock-indicator.
Street-indicator.
Street and station indicator.
Street or station indicator.
Surface-indicator.
Temperature-indicator.
Test-indicator.
Theater-seat indicator.
Thermostat-indicator.
Time-indicator.
Tobacco-driving-machine indicator.
Track-hazard indicator.
Traffic direction-indicator.
Type-writer indicator.
Universal indicator.
Vehicle-indicator.
Vehicle direction-indicator.
Vehicle grade-indicator.
Vehicle selective direction-indicator.
Vehicle-tank indicator.
Water-depth indicator.
Weight and measurement indicator.
Winding-indicator.
Indicator. G. Eacret. No. 1,261,369; Apr. 2; v. 249; p. 108.
Indicator. L. B. Gruman. No. 1,274,875; Aug. 6; v. 253; p. 152.
Indicator. F. H. Harrington and S. E. Buck. No. 1,285,145; Nov. 19; v. 256; p. 507.
Indicator. J. M. Johnson. No. 1,268,125; June 4; v. 251; p. 16.
Indicator. A. E. Jury. No. 1,271,907; July 9; v. 252; p. 355.
Indicator. J. H. Just. No. 1,251,670; Jan. 1; v. 246; p. 69.
Indicator. D. Monasch. No. 1,255,909; Feb. 12; v. 247; p. 270.
Indicator. R. J. Page. No. 1,270,655; June 25; v. 251; p. 792.
Indicator. C. E. Prior and R. J. Taylor. No. 1,260,576; Mar. 26; v. 248; p. 862.
Indicator. C. W. Stancliffe. No. 1,268,292; June 4; v. 251; p. 63.
Indicator. J. W. Walden. No. 1,265,839; May 14; v. 250; p. 295.
Indicator and alarm. I. D. Humphreys. No. 1,281,013; Oct. 8; v. 255; p. 273.
Indicator and stop device. C. A. Brink. No. 1,286,927; Dec. 10; v. 257; p. 215.
Indicator for gaging instruments. J. A. Prestwich. No. 1,266,313; May 14; v. 250; p. 427.
Indicator-lock. W. J. Carroll. No. 1,252,549; Jan. 8; v. 246; p. 355.
Indicator-reversing means. O. E. Kellum and A. H. Sweetland. No. 1,253,388; Jan. 15; v. 246; p. 631.
Indicator system. W. F. Straub. No. 1,258,497; Mar. 5; v. 248; p. 159.
Induction apparatus. W. S. Moody. No. 1,280,806; Oct. 8; v. 255; p. 218.
Induction apparatus, Stationary. S. E. Johannesen. No. 1,282,086; Oct. 22; v. 255; p. 636.
Induction-coil. E. B. Jacobson. No. 1,268,468; June 4; v. 251; p. 114.
Induction-coil. T. L. Lee. No. 1,274,428; Aug. 6; v. 253; p. 24.
Induction-coils, Method and means to control. P. R. Werner. No. 1,258,838; Mar. 12; v. 248; p. 298.
Induction-motor. O. S. Jennings. No. 1,280,040; Sept. 24; v. 254; p. 818.
Induction-motor. J. Lebovici. No. 1,256,705; Feb. 19; v. 247; p. 542.
Induction-motor. J. Lebovici. No. 1,263,078; Apr. 16; v. 249; p. 649.
Induction-motor. G. J. Schmidt. No. 1,264,444; Apr. 30; v. 249; p. 1079.
Inductive high-tension terminal. H. D. Garretson. No. 1,285,977; Nov. 26; v. 256; p. 757.
Indurated product. J. McIntosh. No. 1,269,292; June 11; v. 251; p. 363.
Infantry-fire-control rule or scale. S. D. Butler. No. 1,277,191; Aug. 27; v. 253; p. 883.
Infant's chair. A. Sprung. No. 1,286,822; Dec. 3; v. 257; p. 152.
Infants' teething device. C. L. Johnson. No. 1,268,470; June 4; v. 251; p. 115.
Inflated apparatus for preventing drowning and assisting swimming. J. J. Pritchard. No. 1,252,173; Jan. 1; v. 246; p. 217.
Inflated ball. R. H. Taylor. No. 1,279,936; Sept. 24; v. 254; p. 791.
Inflating apparatus. S. Nelson. No. 1,259,431; Mar. 12; v. 248; p. 466.
Information-indicator. T. M. Brude. No. 1,258,983; Mar. 12; v. 248; p. 339.
Ingot and making same, Hollow. F. D. Carney. No. 1,277,543; Sept. 3; v. 254; p. 58.
Ingot-mold. E. Gathmann. No. 1,258,209; Mar. 5; v. 248; p. 75.
Ingot-mold. W. S. Potter. No. 1,278,206; Sept. 10; v. 254; p. 263.
Ingot-mold for the manufacture of steel. B. Talbot. No. 1,279,037; Sept. 17; v. 254; p. 517.
Ingot-molds and like tubular castings, Making. J. B. Walker. No. 1,262,719; Apr. 16; v. 249; p. 545.
Ingot-molds, Manufacture of. J. B. Walker. No. 1,262,718; Apr. 16; v. 249; p. 545.
Ingot-molds, Stool for. H. M. Lane. No. 1,286,660; Dec. 3; v. 257; p. 116.
Ingot-stripper. D. Kendall. No. 1,288,023; Dec. 17; v. 257; p. 520.
Ingots, &c. Mold for. F. M. Bangs. No. 1,276,609; Aug. 20; v. 253; p. 690.
Inhaler. J. Bretschneider. No. 1,264,607; Apr. 30; v. 249; p. 1125.
Inhaler. L. Heimberg. No. 1,278,342; Sept. 10; v. 254; p. 300.
Inhaler, Pharyngeal. C. K. Teter. No. 1,270,565; June 25; v. 251; p. 768.
Inhaler. M. L. Townsend. No. 1,262,874; Apr. 16; v. 249; p. 589.
Inhaling apparatus. L. S. Leon. No. 1,263,079; Apr. 16; v. 249; p. 649.
Injection apparatus, Intravenous. J. H. Quayle. No. 1,282,000; Oct. 15; v. 255; p. 571.
Injector. J. J. B. Trix. No. 1,260,834; Mar. 26; v. 248; p. 936.

Injectors, Forming medicine-. C. M. McClure. No. 1,279,564; Sept. 24; v. 254; p. 682.
Ink and making same, Printing-. F. J. Baumgardner. No. 1,259,713; Mar. 19; v. 248; p. 578.
Ink-bottle, Dispensing. G. Schroder. No. 1,275,610; Aug. 13; v. 253; p. 379.
Ink, Composition for preventing smut of printing-. C. H. Rackle. No. 1,272,092; July 9; v. 252; p. 410.
Ink, Composition for use with printers'. W. N. Haas and H. C. Young. No. 1,273,361; July 23; v. 252; p. 814.
Ink-fountain-adjusting device. H. F. Bechman. No. 1,275,642; Aug. 13; v. 253; p. 389.
Ink-fountains, &c., Dual adjusting mechanism for. C. R. Kaddeland. No. 1,273,498; July 23; v. 252; p. 850.
Ink, Indelible. L. Jeanmaire. No. 1,289,793; Dec. 31; v. 257; p. 1005.
Ink-receptacle. C. W. Hahn. No. 1,286,603; Dec. 3; v. 257; p. 102.
Ink-roller. M. Skau. No. 1,287,121; Dec. 10; v. 257; p. 266.
Ink-transferring mechanism. E. J. Smith. No. 1,262,709; Apr. 16; v. 249; p. 542.
Ink-well. J. I. D. Bristol. No. 1,277,693; Sept. 3; v. 254; p. 101.
Ink-well. H. L. Dodge. No. 1,285,955; Nov. 26; v. 256; p. 751.
Ink-well. C. T. Martin. No. 1,263,914; Apr. 23; v. 249; p. 899.
Ink-well. C. W. Rigerman. No. 1,278,016; Sept. 3; v. 254; p. 187.
Ink-well and other receptacle. J. B. Estes. No. 1,277,204; Aug. 27; v. 253; p. 886.
Ink-well cover. M. A. Crozier. No. 1,274,246; July 30; v. 252; p. 1095.
Ink, Writing-. M. Shinozaki. No. 1,282,302; Oct. 22; v. 255; p. 696.
Inks and coloring-matters and procedure whereby the same are producible, Printers'. L. E. Barton and H. A. Gardner. No. 1,283,455; Nov. 5; v. 256; p. 5.
Inker. C. J. Gutberlet. No. 1,259,394; Mar. 12; v. 248; p. 456.
Inker, Proofing-. H. W. Hacker. No. 1,270,410; June 25; v. 251; p. 724.
Inking apparatus, Multicolor. E. Nichoson. No. 1,264,426; Apr. 30; v. 249; p. 1074.
Inking device, Ribbon-. D. H. Donegan. No. 1,281,534; Oct. 15; v. 255; p. 449.
Inking-machine. L. J. Bazzoni. No. 1,285,902; Nov. 26; v. 256; p. 738.
Inking mechanism. E. J. Smith. No. 1,262,707; Apr. 16; v. 249; p. 542.
Inking mechanism. E. J. Smith. No. 1,262,708; Apr. 16; v. 249; p. 542.
Inking mechanism. E. J. Smith. No. 1,272,135; July 9; v. 252; p. 422.
Inking mechanism. E. J. Smith. No. 1,289,011; Dec. 24; v. 257; p. 787.
Inking-pad. M. L. Willard. No. 1,251,721; Jan. 1; v. 246; p. 83.
Inkstand. F. M. Ashley. No. 1,280,365; Oct. 1; v. 255; p. 70.
Inkstand. F. H. Casey. No. 1,260,870; Mar. 26; v. 248; p. 945.
Inkstand. E. Davis. No. 1,259,608; Mar. 19; v. 248; p. 548.
Inkstand. J. J. Devine. No. 1,284,256; Nov. 12; v. 256; p. 243.
Inkstand. F. A. Kennedy. No. 1,266,484; May 14; v. 250; p. 473.
Inkstand. F. A. Weeks. No. 1,272,585; July 16; v. 252; p. 573.
Inner tube. C. H. Duckett and C. J. Fitzpatrick. No. 1,267,063; May 21; v. 250; p. 666.
Inner tube. V. Shavitch. No. 1,270,223; June 18; v. 251; p. 646.
Inner tube. C. L. Witsaman. No. 1,263,302; Apr. 16; v. 249; p. 709.
Inner-tube protector. R. N. Lago and W. J. Barrett. No. 1,253,501; Jan. 15; v. 246; p. 663.
Innersole, Welt-. A. J. Le Clair. No. 1,264,663; Apr. 30; v. 249; p. 1140.
Innersoles, Forming and applying the stitch-receiving ribs of. J. V. Poole. No. 1,281,831; Oct. 15; v. 255; p. 528.
Insect-catcher. L. D. Griffin and A. J. and G. W. Stewart. No. 1,256,552; Feb. 19; v. 247; p. 497.
Insect-catcher. F. Keiper. No. 1,263,562; Apr. 23; v. 249; p. 803.
Insect-catcher. F. Keiper. No. 1,268,127; June 4; v. 251; p. 17.
Insect-catcher. L. Patton. No. 1,289,250; Dec. 31; v. 257; p. 871.
Insect-catcher. E. Schmitz. No. 1,285,807; Nov. 26; v. 256; p. 715.
Insect-catcher. G. R. Van Orden. No. 1,258,504; Mar. 5; v. 248; p. 161.
Insect-catching device or trap. E. E. Hendershot and E. J. Marshall. No. 1,279,865; Sept. 24; v. 254; p. 770.
Insect-catching pan. W. H. Banks. No. 1,259,200; Mar. 12; v. 248; p. 401.
Insect-destroyer. G. W. Cameron. No. 1,255,131; Feb. 5; v. 247; p. 6.
Insect-destroyer. J. M. Madden. No. 1,272,283; July 9; v. 252; p. 462.
Insect-destroyer. L. Patton and H. B. Wallace. No. 1,256,036; Feb. 12; v. 247; p. 307.
Insect-destroyer. F. Pfeiffer, Sr. No. 1,286,763; Dec. 3; v. 257; p. 138.
Insect-destroyer. W. F. Stearns. No. 1,268,640; June 4; v. 251; p. 163.
Insect-destroyer. G. C. Tucker. (Reissue.) No. 14,432; Feb. 12; v. 247; p. 449.
Insect-destroying implement. W. A. Nall. No. 1,282,277; Oct. 22; v. 255; p. 689.
Insect-exterminator. P. G. Hanzadian. No 1,259,230; Mar. 12; v. 248; p. 408.
Insect-exterminator. E. H. Seibert. No. 1,259,911; Mar. 19; v. 248; p. 636.
Insect gathering and destroying machine. F. Stellar. No. 1,279,476; Sept. 17; v. 254; p. 634.
Insect gathering and destroying machine. F. Stellar. No. 1,279,477; Sept. 17; v. 254; p. 634.
Insect-screen for cribs or beds. T. E. Williams. No. 1,264,734; Apr. 30; v. 249; p. 1158.
Insect-trap. N. G. Arabian. No. 1,277,354; Sept. 3; v. 254; p. 5.
Insect-trap. L. M. Bethel. No. 1,283,053; Oct. 29; v. 255; p. 930.
Insect-trap. I. B. Feldman. No. 1,277,301; Aug. 27; v. 253; p. 910.
Insect-trap. F. Halenar. No. 1,285,686; Nov. 26; v. 256; p. 683.
Insect-trap. K. Olejniczak. No. 1,271,355; July 2; v. 252; p. 169.
Insect-trap. W. A. Mosby. No. 1,265,481; May 7; v. 250; p. 167.
Insect-trap. J. Stachura. No. 1,287,494; Dec. 10; v. 257; p. 357.
Insect-trap. M. Stoffel. No. 1,255,485; Feb. 5; v. 247; p. 107.
Insect trapping and killing machine. E. Behr. No. 1,277,531; Sept. 3; v. 254; p. 55.
Insect-trapping screen. G. M. Jones. No. 1,254,234; Jan. 22; v. 246; p. 891.
Insects, Device for removing injurious. E. Arbresch. No. 1,280,359; Oct. 1; v. 255; p. 69.
Insects, flies, or the like, Implement or device for killing or disabling. A. W. Cash. No. 1,279,985; Sept. 24; v. 254; p. 803.
Insecticide. C. Z. Truell. No. 1,252,510; Jan. 8; v. 246; p. 343.
Insecticides to animals, Device for applying. M. Perry. No. 1,256,828; Feb. 19; v. 247; p. 577.
Insert. W. A. Collings. No. 1,260,331; Mar. 26; v. 248; p. 789.
Insertible joint. G. W. Kafer. No. 1,288,613; Dec. 24; v. 257; p. 691.
Insole. W. G. Abbott, Jr. No. 1,263,187; Apr. 16; v. 249; p. 679.
Insole. F. R. Keith. No. 1,272,966; July 16; v. 252; p. 682.
Insole. F. P. Murphy. No. 1,268,065; May 28; v. 250; p. 972.
Insole. A. and A. N. Racicot. No. 1,265,514; May 7; v. 250; p. 175.
Insole. S. Wojteck. No. 1,287,810; Dec. 17; v. 257; p. 468.
Insole for boots and shoes. E. W. Fessenden and H. A. Dunn. No. 1,269,528; June 11; v. 251; p. 425.
Insole-machine. F. H. Perry. No. 1,285,357; Nov. 19; v. 256; p. 561.
Insole-making machine. A. E. Johnson. No. 1,252,348; Jan. 1; v. 246; p. 260.
Insole-marking machine. L. M. Brown. No. 1,273,452; July 23; v. 252; p. 838.
Insole, Welt-. F. E. Jones. No. 1,279,705; Sept. 24; v. 254; p. 723.
Insoles, Machine for making composite. F. Zaleski. No. 1,265,579; May 7; v. 250; p. 192.
Insoles, Machine for operating on. F. E. Bertrand. No. 1,272,901; July 16; v. 252; p. 665.
Insoles, Making reinforced. F. E. Bertrand. No. 1,272,902; July 16; v. 252; p. 665.
Insoles, Means for making composite. F. Zaleski. No. 1,258,173; Mar. 5; v. 248; p. 65.
Insole-operating machine. E. Erickson. No. 1,254,894; Jan. 29; v. 246; p. 1115.
Insole-trimming machine. E. H. Taylor. No. 1,254,549; Jan. 22; v. 246; p. 982.
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Internal-combustion engine. O. O. Storle. No. 1,275,494; Aug. 13; v. 253; p. 347.
Internal-combustion engine. T. L. Sturtevant. No. 1,278,784; Sept. 10; v. 254; p. 418.
Internal-combustion engine. P. J. M. Sullivan. No. 1,274,811; Aug. 6; v. 253; p. 133.
Internal-combustion engine. P. J. M. Sullivan. No. 1,274,812; Aug. 6; v. 253; p. 134.
Internal-combustion engine. P. J. M. Sullivan. No. 1,274,813; Aug. 6; v. 253; p. 134.
Internal-combustion engine. P. J. M. Sullivan. No. 1,287,510; Dec. 10; v. 257; p. 361.
Internal-combustion engine. F. R. Sunderman. No. 1,271,799; July 9; v. 252; p. 324.
Internal-combustion engine. H. H. Suplee. No. 1,289,953; Dec. 31; v. 257; p. 1044.
Internal-combustion engine. W. E. Sweet. No. 1,272,570; July 16; v. 252; p. 569.
Internal-combustion engine. A. P. Syger. No. 1,255,664; Feb. 5; v. 247; p. 159.
Internal-combustion engine. P. G. Tacchi. No. 1,264,580; Apr. 30; v. 249; p. 1117.
Internal-combustion engine. H. C. L. Tidman. No. 1,263,820; Apr. 23; v. 249; p. 872.
Internal-combustion engine. C. Tietzmann. No. 1,287,797; Dec. 17; v. 257; p. 465.
Internal-combustion engine. H. J. Warner. No. 1,263,972; Apr. 23; v. 249; p. 915.
Internal-combustion engine. J. R. Warren. No. 1,278,533; Sept. 10; v. 254; p. 350.
Internal-combustion engine. W. H. Washburne. No. 1,257,162; Feb. 19; v. 247; p. 675.
Internal-combustion engine. R. Wehr. No. 1,252,753; Jan. 8; v. 246; p. 414.
Internal-combustion engine. R. Wehr. No. 1,273,433; July 23; v. 252; p. 833.
Internal-combustion engine. C. W. Weiss. No. 1,254,097; Jan. 22; v. 246; p. 853.
Internal-combustion engine. C. W. Weiss. No. 1,261,465; Apr. 2; v. 249; p. 134.
Internal-combustion engine. C. W. Weiss. No. 1,261,466; Apr. 2; v. 249; p. 134.
Internal-combustion engine. C. W. Weiss. No. 1,263,173; Apr. 16; v. 249; p. 676.
Internal-combustion engine. C. E. Wolfram. No. 1,274,226; July 30; v. 252; p. 1090.
Internal-combustion engine. W. G. Zeigler. No. 1,263,989; Apr. 23; v. 249; p. 919.
Internal-combustion engine, Air-cooled. O. E. Michaud. No. 1,263,337; Apr. 16; v. 249; p. 718.
Internal-combustion engine, Air-cooled. M. H. Rix. No. 1,265,249; May 7; v. 250; p. 104.
Internal-combustion engine and burning fuel-oil therein. L. Wygodsky. No. 1,265,857; May 14; v. 250; p. 301.
Internal-combustion engine and magneto, Combined. R. A. Oglesby. No. 1,275,294; Aug. 13; v. 253; p. 292.
Internal-combustion engine and operating the same. T. A. and J. B. Connolly. No. 1,283,399; Oct. 29; v. 255; p. 1021.
Internal-combustion engine and process of mixing fuel and air and producing combustion. L. Wygodsky. No. 1,263,986; Apr. 23; v. 249; p. 919.
Internal-combustion-engine attachment. F. W. Lynch. No. 1,289,841; Dec. 31; v. 257; p. 1017.
Internal-combustion-engine charge-forming device. H. Manthey. No. 1,287,380; Dec. 10; v. 257; p. 331.
Internal-combustion-engine-cranking device. C. M. Rhodes. No. 1,286,778; Dec. 3; v. 257; p. 141.
Internal-combustion-engine cylinder. G. E. Bradshaw. No. 1,252,319; Jan. 1; v. 246; p. 253.
Internal-combustion-engine cylinder. J. O. Tow. No. 1,273,109; July 16; v. 252; p. 720.
Internal-combustion-engine economizer. C. Merchant. No. 1,289,859; Dec. 31; v. 257; p. 1021.
Internal-combustion engine, Multicylinder. A. N. W. Richardson. No. 1,269,858; June 18; v. 251; p. 550.
Internal-combustion engine, Multicylinder. A. E. Salway. No. 1,254,281; Jan. 22; v. 246; p. 905.
Internal-combustion engine, Multicylinder. R. H. White. No. 1,285,861; Nov. 26; v. 256; p. 728.
Internal-combustion engine of the sleeve-valve type. H. Chorlton. No. 1,288,509; Dec. 24; v. 257; p. 665.
Internal-combustion engine, Rotary-valve. W. C. H. Scott and W. Robins. No. 1,253,538; Jan. 15; v. 246; p. 672.
Internal-combustion engine, Rotating-cylinder. P. G. Tacchi. No. 1,286,142; Nov. 26; v. 256; p. 796.
Internal-combustion engine, Rotating-cylinder. P. G. Tacchi. No. 1,288,278; Dec. 17; v. 257; p. 583.
Internal-combustion engine, Sheet-metal. A. G. Herreshoff. No. 1,286,627; Dec. 3; v. 257; p. 109.
Internal-combustion engine, Sheet-metal. A. H. Leipert. No. 1,286,667; Dec. 3; v. 257; p. 118.
Internal-combustion engine, Sheet-metal. A. H. Leipert. No. 1,287,359; Dec. 10; v. 257; p. 325.
Internal-combustion engine, Sheet-metal. A. F. Masury. No. 1,287,386; Dec. 10; v. 257; p. 332.
Internal-combustion engine, Slide-valve. A. Alltree. No. 1,262,158; Apr. 9; v. 249; p. 360.
Internal-combustion-engine spark-distributer. E. D. Allensworth. No. 1,282,019; Oct. 22; v. 255; p. 617.
Internal-combustion-engine system. W. R. Rutherford. No. 1,278,223; Sept. 10; v. 254; p. 267.
Internal-combustion engine, Two-stroke-cycle. C. A. Hallback. No. 1,279,334; Sept. 17; v. 254; p. 596.
Internal-combustion engine, Two-stroke-cycle. E. Hurlbrink. No. 1,273,229; July 23; v. 252; p. 779.
Internal-combustion engine, Valveless rotary. O. J. McGann. No. 1,269,722; June 18; v. 251; p. 512.
Internal-combustion engines, Variable-stroke. W. M. Austin. No. 1,278,563; Sept. 10; v. 254; p. 338.
Internal-combustion engines, Governing device for. E. Moore. No. 1,283,863; Nov. 5; v. 256; p. 113.
Internal-combustion engines, Igniting device for. C. W. Weiss. No. 1,284,842; Nov. 12; v. 256; p. 392.
Internal-combustion engines, Ignition device for. A. Erickson. No. 1,286,175; Nov. 26; v. 256; p. 804.
Internal-combustion engines, Interrupter and spark-advancer for. A. Dutreux. No. 1,280,102; Sept. 24; v. 254; p. 835.
Internal-combustion engines, Operating. W. H. Furness, F. Heidlberg, and C. E. Vanderkleed. No. 1,287,282; Dec. 10; v. 257; p. 306.
Internal-combustion engines, Priming mechanism for. E. P. Kray. No. 1,274,285; July 30; v. 252; p. 1105.
Internal-combustion motor. F. E. Blanchard. No. 1,261,097; Apr. 2; v. 249; p. 30.
Internal-combustion motor. C. S. Salfeld. No. 1,262,850; Apr. 16; v. 249; p. 583.
Internal-combustion motor. F. L. H. Sims. No. 1,286,431; Dec. 3; v. 257; p. 61.
Internal-combustion motor. T. Stimpson, Jr. No. 1,257,419; Feb. 26; v. 247; p. 784.
Internal-combustion motor. C. H. Thie and W. M. Buttler. No. 1,282,983; Oct. 29; v. 255; p. 911.
Internal-combustion turbine. L. X. Foster. No. 1,287,277; Dec. 10; v. 257; p. 305.
Internal-combustion turbine. C. W. Weiss. No. 1,284,841; Nov. 12; v. 256; p. 391.
Internal regenerative cooler. E. Behringer. No. 1,261,476; Apr. 2; v. 249; p. 136.
Interrupter mechanism. J. R. Stark. No. 1,267,816; May 28; v. 250; p. 903.
Invalid-chair. J. Elliman. No. 1,277,886; Sept. 3; v. 254; p. 153.
Invalid-chair. F. S. Guerber. No. 1,286,295; Dec. 3; v. 257; p. 27.
Invalid-chair, Folding. M. A. Doty. No. 1,289,701; Dec. 31; v. 257; p. 982.
Invalid elevating and conveying device. C. A. Noland. No. 1,269,734; June 18; v. 251; p. 515.
Invalid-handling device. B. E. Arntzen. No. 1,257,445; Feb. 26; v. 247; p. 792.
Invalid-lifter. V. Streit. No. 1,252,859; Jan. 8; v. 246; p. 442.
Invalid lifter and conveyer. B. B. Gardner. No. 1,264,915; May 7; v. 250; p. 12.
Invalid-support. W. P. Walter. No. 1,254,554; Jan. 22; v. 246; p. 984.
Invalid's back-rest or support. J. A. Kiesele. No. 1,274,277; July 30; v. 252; p. 1103.
Inventory, Perpetual. J. M. Delson. No. 1,280,182; Oct. 1; v. 255; p. 18.
Invoice-holder. R. C. Bender. No. 1,256,866; Feb. 19; v. 247; p. 589.
Invoice-holder. R. C. Bender. No. 1,256,867; Feb. 19; v. 247; p. 590.
Invoice-holder. R. C. Bender. No. 1,275,367; Aug. 13; v. 253; p. 314.

Invoice-holder. R. C. Bender. No. 1,279,970; Sept. 24; v. 254; p. 799.
Invoice-holder. R. C. Bender. No. 1,279,971; Sept. 24; v. 254; p. 800.
Invoice-sheets, packer's order, and express receipt, Manifolding. R. C. Bender. No. 1,281,897; Oct. 15; v. 255; p. 546.
Iodin and iodin compounds, Method and means for applying. G. B. Pegram. No. 1,255,355; Feb. 5; v. 247; p. 64.
Ionic discharges, Controlling and apparatus for producing. D. F. Comstock. No. 1,279,990; Sept. 24; v. 254; p. 804.
Iron: *See*—
Bed corner-iron.
Calking-iron.
Carrier-iron.
Carry-iron.
Chair-iron.
Draw-bar carry-iron.
Electric iron.
Electric soldering-iron.
Flat-iron.
Galvanized iron.
Gas-heated soldering-iron.
Gooseneck-iron.
Hair-waving iron.
Hay and stock rack iron.
Pool-table-pocket iron.
Pressing-iron.
Sad-iron.
Soldering-iron.
Iron and steel, Case-hardening. J. R. Messersmith. No. 1,260,787; Mar. 26; v. 248; p. 924.
Iron and steel, Pickling. J. H. Gravell. No. 1,279,331; Sept. 17; v. 254; p. 595.
Iron and steel, Producing. S. McDonald. No. 1,255,191; Feb. 5; v. 247; p. 22.
Iron and steel, Rust-proofing. W. I. Oeschger. No. 1,254,264; Jan. 22; v. 246; p. 900.
Iron and steel, Solution for rust-proofing. W. H. Allen. No. 1,287,605; Dec. 17; v. 257; p. 415.
Iron and steel surfaces, Rust-proofing. W. I. Oeschger. No. 1,254,263; Jan. 22; v. 246; p. 900.
Iron and steel to prevent corrosion, Treatment of. W. H. Allen. No. 1,260,740; Mar. 26; v. 248; p. 910.
Iron articles, Permanently heat-expanding cast-. W. A. Knapp. No. 1,274,896; Aug. 6; v. 253; p. 158.
Iron casting. W. C. Schade. No. 1,269,963; June 18; v. 251; p. 577.
Iron, Electrolytically producing. A. T. C. Estelle. No. 1,275,161; Aug. 6; v. 253; p. 231.
Iron in concrete, Device for attachment to structural. D. W. Brooks. No. 1,260,748; Mar. 26; v. 248; p. 913.
Iron, Manufacture of wrought-. J. Aston. No. 1,255,499; Feb. 5; v. 247; p. 111.
Iron, Manufacture of wrought-. J. Aston. (Reissue.) No. 14,457; Apr. 2; v. 249; p. 216.
Iron, Manufacturing. G. C. Carson. No. 1,287,221; Dec. 10; v. 257; p. 291.
Iron or steel, Treating. N. G. Petinot. No. 1,252,023; Jan. 1; v. 246; p. 171.
Iron ore from its associated non-magnetic or feebly-magnetic minerals, Separation of magnetic. D. M. Barringer. No. 1,256,972; Feb. 19; v. 247; p. 621.
Iron phosphid from iron phosphatic material, Producing. H. A. Webster. No. 1,264,237; Apr. 30; v. 249; p. 1021.
Iron pigment, Making. A. F. Hoffman. No. 1,251,522; Jan. 1; v. 246; p. 21.
Iron, Producing pig-. F. H. Crockard. No. 1,274,245; July 30; v. 252; p. 1095.
Irons, Protective switch for electric flat-. S. B. Shapiro. No. 1,280,564; Oct. 1; v. 255; p. 125.
Iron sponge from iron ore, Production of. A. Sinding-Larsen. No. 1,256,939; Feb. 19; v. 247; p. 610.
Iron sulfids, Manufacturing. N. G. Petinot. No. 1,252,024; Jan. 1; v. 246; p. 172.
Irons, Combined starch-remover and holder for. M. L. Walton. No. 1,263,971; Apr. 23; v. 249; p. 914.
Irons, Safety device for sad-. R. J. Marshall. No. 1,281,045. R. J. Marshall. No. 1,281,045; Oct. 8; v. 255; p. 282.
Ironing-board. W. Barnett. No. 1,257,967; Mar. 5; v. 248; p. 5.
Ironing-board. H. F. Broyles. No. 1,278,797; Sept. 10; v. 254; p. 421.
Ironing-board. D. A. Cato. No. 1,279,986; Sept. 24; v. 254; p. 803.
Ironing-board. M. Del Cioppo. No. 1,271,674; July 9; v. 252; p. 291.
Ironing-board. J. Downie. No. 1,255,991; Feb. 12; v. 247; p. 295.
Ironing-board. T. M. Hall. No. 1,265,080; May 7; v. 250; p. 59.
Ironing-board. C. L. Leonard. No. 1,282,091; Oct. 22; v. 255; p. 638.
Ironing-board. L. M. McLey. No. 1,260,274; Mar. 19; v. 248; p. 739.
Ironing-board. A. Mintz. No. 1,277,990; Sept. 3; v. 254; p. 180.
Ironing-board. A. Potter and F. A. Lohrlein. No. 1,257,114; Feb. 19; v. 247; p. 661.
Ironing-board. J. T. Robinson. No. 1,279,914; Sept. 24; v. 254; p. 785.
Ironing-board. W. A. Rowe. No. 1,275,604; Aug. 13; v. 253; p. 377.
Ironing-board. W. W. Stilley. No. 1,265,970; May 14; v. 250; p. 333.
Ironing-board. C. H. and A. E. White. No. 1,279,952; Sept. 24; v. 254; p. 794.
Ironing-board. L. V. Wise. No. 1,276,838; Aug. 27; v. 253; p. 790.
Ironing-board and breakfast-table, Cabinet combination. G. W. Ketch and F. J. Berger. No. 1,273,232; July 23; v. 252; p. 780.
Ironing-board attachment. C. A. Hamer. No. 1,278,918; Sept. 17; v. 254; p. 485.
Ironing-board cover. R. D. Murray. No. 1,287,597; Dec. 10; v. 257; p. 383.
Ironing-board lace. C. A. McDowell. No. 1,254,614; Jan. 22; v. 246; p. 1001.
Ironing-board stand. V. H. Loflin. No. 1,272,471; July 16; v. 252; p. 541.
Ironing-boards and the like, Holder for. H. V. Basley. No. 1,276,611; Aug. 20; v. 253; p. 691.
Ironing-boards, Means for securing covers on. D. Woolard. No. 1,262,293; Apr. 9; v. 249; p. 396.
Ironing-boards, Sad-iron holder for. R. A. Greenup. No. 1,277,912; Sept. 3; v. 254; p. 160.
Ironing-boards, Supporting-cradle attachment for. D. Ossry. No. 1,278,072; Sept. 3; v. 254; p. 202.
Ironing-machine. L. H. Freeman. No. 1,260,532; Mar. 26; v. 248; p. 849.
Ironing-machine. A. R. Gustafson. No. 1,288,566; Dec. 24; v. 257; p. 680.
Ironing-machine. F. T. Johnson. No. 1,270,297; June 25; v. 251; p. 693.
Ironing-machine. I. F. Willey. No. 1,252,213; Jan. 1; v. 246; p. 223.
Ironing-machine. I. F. Willey. No. 1,256,280; Feb. 12; v. 247; p. 382.
Ironing-machines, Feeding device for. E. Lichtenstein. No. 1,267,779; May 28; v. 250; p. 891.
Ironing-machines, Holder-clamp for. W. H. Olver. No. 1,274,441; Aug. 6; v. 253; p. 28.
Ironing-machines, Pneumatically-controlled friction driving mechanism for. F. Balzer. No. 1,251,734; Jan. 1; v. 246; p. 88.
Ironing-table. J. R. Ferren. No. 1,255,399; Feb. 5; v. 247; p. 82.
Ironing-table. J. T. Hilberry. No. 1,272,441; July 16; v. 252; p. 533.
Ironing-table. E. M. Mickey. No. 1,258,134; Mar. 5; v. 248; p. 54.
Ironing-table. A. Pritzel. No. 1,267,267; May 21; v. 250; p. 722.
Ironing-table, Collapsible. A. Bettinardi. No. 1,256,197; Feb. 12; v. 247; p. 358.
Ironing-table, Folding. W. H. Holland. No. 1,266,468; May 14; v. 250; p. 468.
Ironing the yokes of shirts, Machine for. W. A. Tooke. No. 1,267,823; May 28; v. 250; p. 905.
Irrigating apparatus. J. L. Pennington. No. 1,258,240; Mar. 5; v. 248; p. 84.
Irrigating apparatus, Plant-. E. F. Reid. No. 1,278,217; Sept. 10; v. 254; p. 265.
Irrigating device. E. P. Fox. No. 1,274,702; Aug. 6; v. 253; p. 104.
Irrigating-ditches, Fish-screen for. S. C. Bell. No. 1,269,779; June 18; v. 251; p. 529.
Irrigating-machine. J. A. Norton. No. 1,255,777; Feb. 5; v. 247; p. 192.
Irrigating plants. E. F. Reid. No. 1,278,216; Sept. 10; v. 254; p. 265.
Irrigating system. J. D. McNutt. No. 1,277,332; Aug. 27; v. 253; p. 917.
Irrigating system, Surface-. A. F. Henderson. No. 1,254,906; Jan. 29; v. 246; p. 1119.
Irrigation apparatus. W. H. Coles. No. 1,259,211; Mar. 12; v. 248; p. 404.
Irrigation-box, Reversible. G. W. Rice. No. 1,283,904; Nov. 5; v. 256; p. 123.
Irrigation-canals, Apparatus for gathering vegetable matter from. J. S. Wyckoff. No. 1,269,515; June 11; v. 251; p. 422.
Irrigation-check. G. W. Rice. No. 1,284,144; Nov. 5; v. 256; p. 187.
Irrigation, Corner-finisher for. J. M. Cook. No. 1,270,597; June 25; v. 251; p. 777.
Irrigation device. C. S. Howard. No. 1,281,008; Oct. 8; v. 255; p. 272.
Irrigation systems, Automatic starting and stopping mechanism for. D. Elder. No. 1,272,404; July 16; v. 252; p. 523.
Irrigator for medical, chemical, and other purposes. U. Friedemann and T. E. Thompson. No. 1,289,723; Dec. 31; v. 257; p. 987.
Irrigator, Tree-. E. A. Kanst. No. 1,280,486; Oct. 1; v. 255; p. 103.
Jack: *See*—
Adjustable jack.
Air-jack.
Auto lifting-jack.
Automatic jack.
Automobile-jack.
Automobile and like jack.
Automobile power-jack.
Automobile roller-jack.
Bearing-jack.
Chain jack.
Floor-jack.
Heel-nailing jack.
House-jack.
Journal-jack.
Lifting-jack.
Power-jack.
Pump-jack.
Pumping-jack.
Quick-action jack.
Shaft-jack.
Tire-saving jack.
Track-transporting jack.
Trench-jack.
Vehicle-jack.
Vehicle lifting-jack.
Vehicle roller-jack.
Vehicle-supporting jack.
Wagon-jack.
Well-jack.
Wheel-pulling jack.
Window-jack.

Jack. W. C. Brinton. No. 1,267,051; May 21; v. 250; p. 663.
Jack. M. H. Collins. No. 1,276,176; Aug. 20; v. 253; p. 569.
Jack. J. W. De Vault. No. 1,288,390; Dec. 17; v. 257; p. 608.
Jack. J. H. Glasener. No. 1,253,483; Jan. 15; v. 246; p. 658.
Jack. F. A. Havel. No. 1,280,998; Oct. 8; v. 255; p. 269.
Jack. H. Johnson. No. 1,289,795; Dec. 31; v. 257; p. 1005.
Jack. H. E. Maurer, Jr. No. 1,288,103; Dec. 17; v. 257; p. 541.
Jack. J. M. Meyers. No. 1,286,051; Nov. 26; v. 256; p. 774.
Jack. A. J. Oliver. No. 1,281,818; Oct. 15; v. 255; p. 525.
Jack. J. H. Sheahan. No. 1,265,264; May 7; v. 250; p. 108.
Jack. J. Truax. No. 1,289,971; Dec. 31; v. 257; p. 1048.
Jack-controlling device. I. E. Hindman and J. Van Hamersveld. No. 1,261,531; Apr. 2; v. 249; p. 153.
Jack-guide. A. E. Hall. No. 1,262,483; Apr. 9; v. 249; p. 449.
Jack-handle. A. F. Wagner. No. 1,286,161; Nov. 26; v. 256; p. 801.
Jack-plate. H. C. Barnette and R. M. Massey. No. 1,284,985; Nov. 19; v. 256; p. 467.
Jack safety device. A. H. Ostberg. No. 1,289,241; Dec. 31; v. 257; p. 868.
Jacking device for self-propelled vehicles, Automatic. M. Cohen. No. 1,266,409; May 14; v. 250; p. 452.
Jamb-covering. F. J. Plym. No. 1,258,044; Mar. 5; v. 248; p. 28.
Jar: *See*—
Battery-jar.
Gas-generating jar.
Wall-jar.
Jar and bottle holder. S. M. Brown. No. 1,284,579; Nov. 12; v. 256; p. 325.
Jar-cap renewer. G. Lee. No. 1,284,375; Nov. 12; v. 256; p. 276.
Jar carrier, Fruit-. F. A. Stamm. No. 1,251,588; Jan. 1; v. 246; p. 43.
Jar-closure. C. Hammer. No. 1,260,376; Mar. 26; v. 248; p. 803.
Jar-closure. M. Dorn. No. 1,261,782; Apr. 9; v. 249; p. 257.
Jar-closure. G. Ritter. No. 1,258,465; Mar. 5; v. 248; p. 150.
Jar closure, Fruit-. J. H. Paige. No. 1,276,103; Aug. 20; v. 253; p. 549.
Jar-closure, Threaded. C. Hammer. No. 1,267,866; May 28; v. 250; p. 918.
Jar-cover and ladle. E. M. Adams. No. 1,278,550; Sept. 10; v. 254; p. 354.
Jar-cover clamp, Fruit-. E. E. Hardy. No. 1,260,769; Mar. 26; v. 248; p. 919.
Jar covers, Device for re-forming fruit-. H. V. and A. G. Riley. No. 1,272,105; July 9; v. 252; p. 413.
Jar-holder. W. R. Ahrens. No. 1,277,351; Sept. 3; v. 254; p. 4.
Jar holder, Fruit-. P. Roth. No. 1,273,096; July 16; v. 252; p. 717.
Jar holding and spacing means. F. Wilcox. No. 1,282,343; Oct. 22; v. 255; p. 707.
Jar-holding means. H. P. Ravn. No. 1,288,190; Dec. 17; v. 257; p. 562.
Jar-lifter. J. E. Aldridge. No. 1,274,229; July 30; v. 252; p. 1090.
Jar-lifter. E. C. Baeck. No. 1,283,034; Oct. 29; v. 255; p. 924.
Jar-lifter. C. F. Barager. No. 1,270,685; June 25; v. 251; p. 800.
Jar-lifter. G. W. Ferdon. No. 1,266,112; May 14; v. 250; p. 373.
Jar molding-machine. J. T. Anderson. No. 1,254,385; Jan. 22; v. 246; p. 935.
Jar-steamer. B. Woods. No. 1,256,416; Feb. 12; v. 247; p. 422.
Jar-transferring machine. S. M. Thornburg. No. 1,263,485; Apr. 23; v. 249; p. 783.
Jars and the like, Cover-holder for. A. J. Holdsworth. No. 1,263,892; Apr. 23; v. 249; p. 893.
Jars, Opener for glass-topped. D. C. Relyea. No. 1,279,441; Sept. 17; v. 254; p. 624.
Jass-stage. T. D. Breen. No. 1,259,352; Mar. 12; v. 248; p. 444.
Jaw-trap. G. W. Stephens. No. 1,279,782; Sept. 24; v. 254; p. 746.
Jetty construction. H. F. Kellner. No. 1,281,022; Oct. 8; v. 255; p. 276.
Jewel or gem set, Adjustable. F. N. Edie. No. 1,263,539; Apr. 23; v. 249; p. 797.
Jewel-setter. R. E. Aldredge. No. 1,253,116; Jan. 8; v. 246; p. 521.
Jewel-setting tool. C. Culman. No. 1,261,716; Apr. 2; v. 249; p. 204.
Jeweler's clutch. L. J. Roy. No. 1,281,844; Oct. 15; v. 255; p. 532.
Jeweler's stock. J. Weber. No. 1,278,536; Sept. 10; v. 254; p. 352.
Jeweler's testing-case. R. D. Vercler. No. 1,263,629; Apr. 23; v. 249; p. 821.
Jewelry. H. Halstead. No. 1,271,894; July 9; v. 252; p. 351.
Jewelry novelty. F. Heller. No. 1,272,257; July 9; v. 252; p. 455.
Jewelry safety-fastening. J. F. Kuhn. No. 1,259,877; Mar. 19; v. 248; p. 625.
Jews'-harp. E. O. Cook. No. 1,266,556; May 21; v. 250; p. 523.
Joiners, Splice for. C. T. Silberg. No. 1,272,131; July 9; v. 252; p. 421.
Jig. J. B. Morrow. No. 1,284,747; Nov. 12; v. 256; p. 367.
Joint: *See*—
Adhesive joint.
Ball-and-socket joint.
Chain-joint.
Construction-block joint.
Drilling-tool joint.
Expansion-joint.
Flexible pipe-joint.
Furniture-joint.
Insertible joint.
Limb-joint.
Linkwork-joint.
Metal joint.
Metal-bound joint.
Metallic joint.
Pipe-joint.
Pipe flexible joint.
Rail-joint.
Railway-joint.
Railway-rail joint.
Roller-joint.
Roof-joint.
Splice-joint.
Stovepipe-joint.
Structural joint.
Swing-joint.
Tensional joint.
Universal joint.
Welded pipe-joint.
Well-casing lock-joint.
Joint. J. E. Andrews. No. 1,279,072; Sept. 17; v. 254; p. 527.
Joint. L. S. Chadwick. No. 1,274,988; Aug. 6; v. 253; p. 184.
Joint. A. Wanner, Jr. No. 1,251,716; Jan. 1; v. 246; p. 82.
Joint brace, Universal-. E. A. Smith. No. 1,274,619; Aug. 6; v. 253; p. 81.
Joint connection. I. Mannheimer. No. 1,254,822; Jan. 29; v. 246; p. 1092.
Joint draw-bar, Shock-absorbing and universal-. W. E. Ferris. No. 1,289,141; Dec. 31; v. 257; p. 844.
Joint for doll-heads and the like. R. A. Hopf and C. Maas. No. 1,273,061; July 16; v. 252; p. 707.
Joint for driving mechanism. J. L. Bloom, Jr. No. 1,284,047; Nov. 5; v. 256; p. 159.
Joint for folding rules. F. Buck. No. 1,286,525; Dec. 3; v. 257; p. 85.
Joint for meeting members. R. D. Baker. No. 1,267,352; May 28; v. 250; p. 773.
Joint holder, Expansion-. W. F. Wieberg. No. 1,267,301; May 21; v. 250; p. 730.
Joint-strip-laying device and method. H. C. Innes. No. 1,255,611; Feb. 5; v. 247; p. 144.
Joints, Housing for universal. T. E. Murray. No. 1,267,252; May 21; v. 250; p. 719.
Joints, Localizing and eliminating imperfections in electrically-welded. T. E. Murray. No. 1,252,290; Jan. 1; v. 246; p. 246.
Joints, Making. G. A. Mead. No. 1,286,382; Dec. 3; v. 257; p. 49.
Jointer. O. G. Graham. No. 1,283,736; Nov. 5; v. 256; p. 78.
Joist-form. T. J. Barker and F. L. Miller. No. 1,253,333; Jan. 15; v. 246; p. 613.
Journal-bearing. J. R. Ball. No. 1,280,132; Oct. 1; v. 255; p. 4.
Journal-bearing. F. E. Buxton. No. 1,260,635; Mar. 26; v. 248; p. 880.
Journal-bearing. G. A. Howe. No. 1,254,909; Jan. 29; v. 246; p. 1120.
Journal-bearing. F. Kramer. No. 1,279,881; Sept. 24; v. 254; p. 775.
Journal-bearing. W. E. Winters. No. 1,288,348; Dec. 17; v. 257; p. 598.
Journal-bearings, Device for lifting boxes for the removal of. A. J. Smith and J. N. Williams. No. 1,264,566; Apr. 30; v. 249; p. 1113.
Journal-box. A. O. Buckius, Jr. No. 1,280,385; Oct. 1; v. 255; p. 75.
Journal-box. L. E. Keil. No. 1,254,604; Jan. 22; v. 246; p. 998.
Journal-box. C. Mark. No. 1,278,969; Sept. 17; v. 254; p. 499.
Journal-box. J. J. Tatum. No. 1,288,280; Dec. 17; v. 257; v. 583.
Journal-box cover. L. A. Running. No. 1,287,758; Dec. 17; v. 257; p. 455.
Journal-box dust-guard. H. C. McCarty. No. 1,252,708; Jan. 8; v. 246; p. 400.
Journal-box dust-guard. H. C. McCarty. No. 1,267,569; May 28; v. 250; p. 833.
Journal-box lid. I. A. Seiders. No. 1,260,719; Mar. 26; v. 248; p. 904.
Journal-box-lubricating system. R. S. Mennie and E. Wanamaker. No. 1,254,424; Jan. 22; v. 246; p. 946.
Journal-box lubricator. W. S. Daley. No. 1,285,060; Nov. 19; v. 256; p. 486.
Journal-box, Oil and dust proof. A. A. Weber. No. 1,277,798; Sept. 3; v. 254; p. 130.
Journal-boxes, Automatic wear take-up for. J. M. Christine. No. 1,273,822; July 30; v. 252; p. 975.

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Journal-boxes, Lubricant-packing for. E. R. Rayburn. No. 1,260,806; Mar. 26; v. 248; p. 928.
Journal-jack, Self-lowering. M. Rosen. No. 1,276,574; Aug. 20; v. 253; p. 680.
Journal-lubricator. J. J. Hennessy. No. 1,265,198; May 7; v. 250; p. 91.
Journal-lubricator, Automatic. J. J. Hennessy. No. 1,265,199; May 7; v. 250; p. 91.
Journal or axle bearing. W. M. Heina. No. 1,288,581; Dec. 24; v. 257; p. 684.
Journal-truing apparatus. A. O. Holtom. No. 1,284,106; Nov. 5; v. 256; p. 177.
Juice-asepticizing process. H. Coffman. No. 1,270,698; June 25; v. 251; p. 802.
Juice-extracting machine. J. W. Hyatt. No. 1,268,247; June 4; v. 251; p. 50.
Juice extractor, Fruit-. C. B. Blessing. No. 1,258,981; Mar. 12; v. 248; p. 339.
Jump-ring coupling. W. J. Gagnon. No. 1,270,720; June 25; v. 251; p. 807.
Junction-box coupling for electric conduits. J. N. Scism. No. 1,254,633; Jan. 22; v. 246; p. 1006.
Junction terminal block. G. F. Sturgeon. No. 1,260,592; Mar. 26; v. 248; p. 867.
Kaleidoscope. A. Zabielski. No. 1,274,656; Aug. 6; v. 253; p. 91.
Keel-block. S. N. Sheely. No. 1,253,540; Jan. 15; v. 246; p. 673.
Keg, Metal. C. P. Tolman. No. 1,256,184; Feb. 12; v. 247; p. 354.
Keir, Vomiting-. E. D. Jefferson. No. 1,278,154; Sept. 10; v. 254; p. 248.
Kelp char, &c., Apparatus for treating. F. V. Cruser and O. Z. Howard. No. 1,258,321; Mar. 5; v. 248; p. 108.
Kelp char, &c., Treating. F. V. Cruser. No. 1,258,320; Mar. 5; v. 248; p. 107.
Kelp-drier. S. R. Oppenheim. No. 1,266,041; May 14; v. 250; p. 352.
Kelp-drier. T. Warrick. No. 1,262,416; Apr. 9; v. 249; p. 431.
Kelp-incinerator. H. W. Judson and H. A. Lowman. No. 1,259,457; Mar. 12; v. 248; p. 474.
Kerosene-burner. L. C. Benner. No. 1,288,807; Dec. 24; v. 257; p. 738.
Kerosene-burner. J. H. Kinealy. No. 1,271,325; July 2; v. 252; p. 161.
Kerosene-engine. J. Good. No. 1,253,682; Jan. 15; v. 246; p. 715.
Kerosene for gasolene-engines, Device for utilizing. J. Willenbring. No. 1,274,125; July 30; v. 252; p. 1061.
Kerosene-vaporizer. A. L. Lamar. (Reissue.) No. 14,501; Aug. 13; v. 253; p. 489.
Kerosene-vaporizer. L. B. White. No. 1,267,484; May 28; v. 250; p. 808.
Kettle, Fluid-jacketed. R. F. Goecke. No. 1,270,406; June 25; v. 251; p. 723.
Kettle-jacket-connecting means. R. F. Goecke. No. 1,270,784; June 25; v. 251; p. 689.
Kettle-lid. R. E. Hester. No. 1,257,229; Feb. 19; v. 247; p. 694.
Key: *See*—
- Brake-beam-hanger-locking key.
- Calculating-machine error-key.
- Draw-bar-yoke key.
- Machine-element key.
- Non-interfering key.
- Organ stop-key.
- Pipe-holding key.
- Release-key.
- Spanner-key.
- Telegraph-key.
- Valve floor-key.

Key. D. L. Winters. No. 1,277,164; Aug. 27; v. 253; p. 876.
Key and knob holder for doors. F. O. Hult. No. 1,260,774; Mar. 26; v. 248; p. 920.
Key-bar mount. O. Thieme. No. 1,253,299; Jan. 15; v. 246; p. 602.
Key-bolt. J. P. Northey. No. 1,261,598; Apr. 2; v. 249; p. 172.
Key-bolt. F. L. H. Sims. No 1,266,334; May 14; v. 250; p. 433.
Key-carrier. H. M. Von Duyke. No. 1,255,961; Feb. 12; v. 247; p. 285.
Key-case. W. R. Buxton. No. 1,261,692; Apr. 2; v. 249; p. 199.
Key-chain reel. G. G. Bell. No. 1,262,005; Apr. 9; v. 249; p. 317.
Key-controlled lock. E. P. Baird. No. 1,280,633; Oct. 8; v. 255; p. 169.
Key-controlled switch. L. G. Stepzinski. No. 1,289,298; Dec. 31; v. 257; p. 883.
Key-cutting machine. N. D. Wells. No. 1,254,749; Jan. 29; v. 246; p. 1070.
Key-fastener. F. N. Holzinger. No. 1,287,316; Dec. 10; v. 257; p. 314.
Key-fastener. R. H. Sarell. No. 1,286,424; Dec. 3; v. 257; p. 59.
Key for connecting machine parts. R. M. Vierus. No. 1,264,230; Apr. 30; v. 249; p. 1019.
Key-gage. B. Lurie. No. 1,279,384; Sept. 17; v. 254; p. 611.
Key-guard. Lock-mounted. F. Carson. No. 1,279,983; Sept. 24; v. 254; p. 802.
Key-holder. H. G. Martin. No. 1,261,148; Apr. 2; v. 249; p. 44.
Key-hook. C. R. Waid. No. 1,276,137; Aug. 20; v. 253; p. 558.
Key lock, Interchangeable-. E. E. Watson. No. 1,268,900; June 11; v. 251; p. 253.
Key-opening can. W. E. Taylor. No. 1,254,171; Jan. 22; v. 246; p. 874.
Key-pulling device. C. C. R. Hammar. No. 1,273,484; July 23; v. 252; p. 847.
Key-ring. C. A. Whittaker. No. 1,266,365; May 14; v. 250; p. 441.
Key-seat broaching-machine. F. J. Lapointe. No. 1,266,496; May 14; v. 250; p. 476.
Key-seating machine. B. H. Bucher. No. 1,287,868; Dec. 17; v. 257; p. 482.
Key-seating machines, Tool-holder for. W. Giles. No. 1,279,325; Sept. 17; v. 254; p. 594.
Key-socket. H. J. Morey. No. 1,262,969; Apr. 16; v. 249; p. 616.
Keys, Cutting. C. L. Smith. No. 1,254,442; Jan. 22; v. 246; p. 951.
Keys, Device for carrying. L. Krom. No. 1,289,817; Dec. 31; v. 257; p. 1011.
Keying device. R. R. Bowers. No. 1,272,200; July 9; v. 252; p. 439.
Keyhole-illuminator. M. P. Bixby and J. B. Taylor. No. 1,284,570; Nov. 12; v. 256; p. 323.
Keyless lock. Z. Bisaillon. No. 1,272,327; July 9; v. 252; p. 475.
Keyless lock. L. S. Hendricks. No. 1,261,932; Apr. 9; v. 249; p. 297.
Keyless lock. A. Ostroske. No. 1,272,303; July 9; v. 252; p. 469.
Kick-starter mechanism. F. W. Schwinn. No. 1,268,501; June 4; v. 251; p. 123.
Kiln: *See*—
- Brick-kiln.
- Compartment-kiln.
- Dry-kiln.
- Lumber-curing kiln.
- Muffle-kiln.
- Porcelain-kiln.
- Sectional kiln.
- Shaft-kiln.
- Tunnel-kiln.

Kiln. J. L. Harper. No. 1,253,487; Jan. 15; v. 246; p. 659.
Kiln. S. G. Johnston. No. 1,253,182; Jan. 8; v. 246; p. 540.
Kiln. M. M. Minter. No. 1,272,495; July 16; v. 252; p. 548.
Kiln. J. B. Owens. No. 1,288,975; Dec. 24; v. 257; p. 778.
Kiln. J. B. Owens. No. 1,289,530; Dec. 31; v. 257; p. 940.
Kiln. H. R. Straight. No. 1,263,620; Apr. 23; v. 249; p. 819.
Kiln. C. H. Zwermann. No. 1,275,352; Aug. 13; v. 253; p. 310.
Kiln system. J. T. H. Warwood. No. 1,264,722; Apr. 30; v. 249; p. 1155.
Kilns, Apparatus for utilizing the waste heat and increasing the circulation of the air during the drying and burning processes in. T. B. Sullivan. No. 1,284,943; Nov. 12; v. 256; p. 418.
Kinetograph. H. C. Schlicker. No. 1,256,931; Feb. 19; v. 247; p. 608.
Kinetoscope for projecting stereoscopic moving pictures. A. Wayditch. No. 1,276,838; Aug. 27; v. 253; p. 788.
Kinetoscopes, Film-gate mechanism for. R. J. Emory. No. 1,257,593; Feb. 26; v. 247; p. 838.
Kinetoscopes or moving-picture machines, Film for. S. Davis. No. 1,271,673; July 9; v. 252; p. 291.
Kinetoscopes, Take-up mechanism for. R. J. Emory. No. 1,277,559; Sept. 3; v. 254; p. 62.
Kinetoscopic and phonographic apparatus, Combined. C. J. Coleman. No. 1,275,227; Aug. 13; v. 253; p. 275.
Kit, Adjustable. F. W. Holland. No. 1,265,331; May 7; v. 250; p. 125.
Kitchen, Army. J. Conley. No. 1,272,382; July 16; v. 252; p. 518.
Kitchen article. C. C. P. Lund. No. 1,266,289; May 14; v. 250; p. 421.
Kitchen, Field-. C. O. Thomas, Jr. No. 1,276,995; Aug. 27; v. 253; p. 828.
Kitchen-rack. C. H. Fuhrmann. No. 1,266,245; May 14; v. 250; p. 410.
Kitchen utensil. R. J. Haas. No. 1,275,907; Aug. 13; v. 253; p. 463.
Kitchenette. G. R. Craw. No. 1,258,655; Mar. 12; v. 248; p. 245.
Kite. C. E. Fronsdahl. No. 1,261,731; Apr. 2; v. 249; p. 208.
Kite. H. Lurz. No. 1,265,797; May 14; v. 250; p. 283.
Kite. F. Owens. No. 1,286,078; Nov. 26; v. 256; p. 780.
Knee cap or cover. W. T. Stall. No. 1,258,052; Mar. 5; v. 248; p. 30.
Knee pad and protector. J. A. Lumley. No. 1,269,829; June 18; v. 251; p. 543.
Knee-pad, Cotton-picker's. W. Boynton and G. A. Terrell. No. 1,264,7[illegible] Apr. 30; v. 249; p. 1166.
Knee-protector. [illegible] arrett. No. 1,271,119; July 2; v. 252; p. 102.

Knee throttle-gear. W. E. Sippman. No. 1,276,423; Aug. 20; v. 253; p. 639.
Knickerbockers. H. Walcoff. No. 1,271,248; July 2; v. 252; p. 140.
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Bread-knife.
Brush-cutting knife.
Cloth-cutting knife.
Corn-knife.
Corn or grain knife.
Culinary knife.
Fruit-knife.
Harvester-knife.
Hoof-knife.
Pocket-knife.
Putty-knife.
Race-knife.
Surgical knife.
Knife. G. A. Bader. No. 1,265,723; May 14; v. 250; p. 262.
Knife. H. M. Larter. No. 1,274,288; July 30; v. 252; p. 1105.
Knife. S. Paulson. No. 1,252,486; Jan. 8; v. 246; p. 336.
Knife. C. H. Roth. No. 1,262,390; Apr. 9; v. 249; p. 425.
Knife. H. A. G. Trepo. No. 1,282,322; Oct. 22; v. 255; p. 701.
Knife. F. L. Warnke. No. 1,266,186; May 14; v. 250; p. 394.
Knife and fork, Combined. Y. Hashiguchi. No. 1,272,661; July 16; v. 252; p. 596.
Knife and wax heater. F. M. Furber. No. 1,264,174; Apr. 30; v. 249; p. 1003.
Knife and wrench, Combined. T. Champlin. No. 1,258,396; Mar. 5; v. 248; p. 130.
Knife blade, Sectional machine-. T. T. Carlson. No. 1,262,445; Apr. 9; v. 249; p. 439.
Knife-blade switch. R. Lister. No. 1,264,404; Apr. 30; v. 249; p. 1068.
Knife-cleaner. H. Bascom. No. 1,252,316; Jan. 1; v. 246; p. 252.
Knife-clip. C. S. Johnson. No. 1,268,251; June 4; v. 251; p. 51.
Knife construction. H. Hanstein. No. 1,270,727; June 25; v. 251; p. 809.
Knife, Detachable-blade. M. Parker. No. 1,287,411; Dec. 10; v. 257; p. 338.
Knife-handle-polishing machine. C. H. Hemming. No. 1,255,879; Feb. 12; Gaz. vol. 247; p. 262.
Knife-machine. J. A. Hill. No. 1,257,232; Feb. 19; v. 247; p. 695.
Knife-rest. C. Fresh. No. 1,264,914; May 7; v. 250; p. 11.
Knife-shield and gage. P. C. Depew. No. 1,266,562; May 21; v. 250; p. 525.
Knife structure for removing green corn from the cob. W. B. Fenn. No. 1,282,790; Oct. 29; v. 255; p. 856.
Knit fabric. A. N. Ames. No. 1,252,983; Jan. 8; v. 246; p. 481.
Knit fabric. O. F. Oakes. No. 1,254,722; Jan. 29; v. 246; p. 1062.
Knit fabric having thickened wales. R. W. Scott. No. 1,267,126; May 21; v. 250; p. 685.
Knit goods, Length-cutting machine for. J. C. Scott. No. 1,278,230; Sept. 10; v. 254; p. 269.
Knitted fabric. J. Waterfield. No. 1,276,294; Aug. 20; v. 253; p. 601.
Knitted fabric, Widened. F. Wilcomb. No. 1,258,844; Mar. 12; v. 248; p. 299.
Knitted glove and making same. W. J. Girling and E. C. Schwab. No. 1,260,368; Mar. 26; v. 248; p. 801.
Knitted sweater. N. Neuman. No. 1,279,411; Sept. 17; v. 254; p. 617.
Knitted undergarments, Making. R. R. Janes. No. 1,284,899; Nov. 12; v. 256; p. 407.
Knitted webs, Uniting. L. N. D. Williams. No. 1,270,084; June 18; v. 251; p. 609.
Knitted webs, Uniting stitches around the ends of. L. N. D. Williams. No. 1,258,513; Mar. 5; v. 248; p. 164.
Knitter's reel, Hand-. A. M. Van Rensselaer. No. 1,278,528; Sept. 10; v. 254; p. 349.
Knitting apparatus. T. Kopp. No. 1,286,349; Dec. 3; v. 257; p. 41.
Knitting-bag. F. W. Capen. No. 1,286,225; Dec. 3; v. 257; p. 11.
Knitting-machine. H. Aiken. No. 1,273,803; July 30; v. 252; p. 969.
Knitting-machine. R. Fisher. No. 1,285,096; Nov. 19; v. 256; p. 495.
Knitting-machine. J. H. Glenn. No. 1,278,634; Sept. 10; v. 254; p. 377.
Knitting-machine. H. A. Klemm. No. 1,257,491; Feb. 26; v. 247; p. 807.
Knitting-machine. H. A. Klemm. No. 1,257,492; Feb. 26; v. 247; p. 807.
Knitting-machine. P. P. La Montagne and P. Gable. No. 1,282,880; Oct. 29; v. 255; p. 881.
Knitting-machine. M. C. Miller. No. 1,261,050; Apr. 2; v. 249; p. 18.
Knitting-machine. M. C. Miller. No. 1,262,967; Apr. 16; v. 249; p. 615.
Knitting-machine. F. Nelson. No. 1,252,152; Jan. 1; v. 246; p. 208.
Knitting-machine. J. C. Ruedt. No. 1,283,317; Oct. 29; v. 255; p. 997.
Knitting-machine. R. W. Scott. No. 1,251,586; Jan. 1; v. 246; p. 42.
Knitting-machine. J. Waterfield. No. 1,285,505; Nov. 19; v. 256; p. 598.
Knitting-machine automatic stop mechanism. C. R. Ostrom, Sr. No. 1,257,518; Feb. 26; v. 247; p. 815.
Knitting machine, Circular-. W. T. Barratt. No. 1,257,968; Mar. 5; v. 248; p. 6.
Knitting machine, Circular-. W. T. Barratt. No. 1,286,913; Dec. 10; v. 257; p. 212.
Knitting machine, Circular-. R. S. Beavers. No. 1,255,851; Feb. 12; v. 247; p. 254.
Knitting machine, Circular-. H. E. Houseman. No. 1,288,594; Dec. 24; v. 257; p. 687.
Knitting machine, Circular-. A. M. Pigeon. No. 1,266,044; May 14; v. 250; p. 353.
Knitting machine, Circular-. A. M. Pigeon. No. 1,266,045; May 14; v. 250; p. 353.
Knitting machine, Circular-. F. W. Robinson. No. 1,262,568; Apr. 9; v. 249; p. 474.
Knitting machine, Circular-. R. W. Scott. No. 1,272,865; July 16; v. 252; p. 655.
Knitting machine, Conduit-. C. G. Bauer. No. 1,260,954; Mar. 26; v. 248; p. 967.
Knitting-machine, Electrically-operated. H. Aiken. No. 1,273,802; July 30; v. 252; p. 969.
Knitting-machine needle-carrier. F. Wilcomb. No. 1,255,260; Feb. 5; v. 247; p. 41.
Knitting-machine stitch-transferring device. L. N. D. Williams. No. 1,285,526; Nov. 19; v. 256; p. 603.
Knitting-machine stop-motion. F. Crawford, Sr. No. 1,272,777; July 16; v. 252; p. 628.
Knitting-machine stop-motion. W. O. Taylor. No. 1,254,087; Jan. 22; v. 246; p. 850.
Knitting-machine stop-motion. W. O. Taylor. No. 1,254,088; Jan. 22; v. 246; p. 850.
Knitting-machines, Automatic stocking-length-measuring device for. A. F. Killian. No. 1,289,811; Dec. 31; v. 257; p. 1009.
Knitting-machines, Defective-needle alarm for. R. W. Scott. No. 1,270,064; June 18; v. 251; p. 604.
Knitting-machines, Defective-needle detector for. F. Appleton. No. 1,251,460; Jan. 1; v. 246; p. 3.
Knitting-machines, Defective-yarn detector for. F. Appleton. No. 1,251,459; Jan. 1; v. 246; p. 3.
Knitting machines, Dog form of circular-. G. L. Ballard. No. 1,253,563; Jan. 15; v. 246; p. 681.
Knitting-machines, Locking device for stop-motions of. C. R. Ostrom, Sr. No. 1,287,087; Dec. 10; v. 257; p. 256.
Knitting-machines, Striping mechanism for. G. L. Ballard. No. 1,255,124; Feb. 5; v. 247; p. 4.
Knitting-machines, Take-up device for. A. W. Bechtel. No. 1,259,478; Mar. 19; v. 248; p. 512.
Knitting-machines, Take-up mechanism for. F. Wilcomb. No. 1,280,608; Oct. 1; v. 255; p. 137.
Knitting machines, Tension device for circular-. J. Brown. No. 1,255,815; Feb. 5; v. 247; p. 203.
Knitting machines, Yarn-changing mechanism for circular-. G. L. Ballard. No. 1,255,125; Feb. 5; v. 247; p. 4.
Knitting-machines, Yarn-feeding device for. R. W. Scott. No. 1,256,062; Feb. 12; v. 247; p. 315.
Knitting-machines, Yarn-severing mechanism for. R. W. Scott. No. 1,274,338; July 30; v. 252; p. 1119.
Knitting-needle. A. H. Metcalf. No. 1,268,752; June 4; v. 251; p. 193.
Knitting-needle. K. W. P. Reece. No. 1,261,853; Apr. 9; v. 249; p. 276.
Knitting-needle. F. K. Rich. No. 1,272,316; July 9; v. 252; p. 473.
Knitting-needle. E. M. Veness. No. 1,270,995; July 2; v. 252; p. 69.
Knitting tubular articles. T. Hahn. No. 1,266,459; May 14; v. 250; p. 466.
Knitting welted and other fabrics, Machine for. R. W. Scott. No. 1,282,958; Oct. 29; v. 255; p. 903.
Knob and the like. L. J. Sindelar. No. 1,284,799; Nov. 12; v. 256; p. 380.
Knob, Illuminated door-. M. Glossop. No. 1,263,880; Apr. 23; v. 249; p. 889.
Knob, Utensil-. J. A. Schlehr. No. 1,265,967; May 14; v. 250; p. 332.
Knockdown and portable frame and hoist. J. A. Shook. No. 1,257,033; Feb. 19; v. 247; p. 639.
Knockdown frame for camping purposes. J. W. Slutts. No. 1,259,148; Mar. 12; v. 248; p. 387.
Knockdown house. A. A. Kamin. No. 1,263,068; Apr. 16; v. 249; p. 645.
Knockdown magazine-rack. E. Ryan. No. 1,284,783; Nov. 12; v. 256; p. 376.
Knockdown table and the like. G. C. Kelly. No. 1,269,193; June 11; v. 251; p. 334.
Knockdown tank. P. C. Ickes. No. 1,289,469; Dec. 31; v. 257; p. 926.
Knocking up sheets and the like, particularly paper sheets. W. C. Aylard and J. P. Petty. No. 1,279,494; Sept. 24; v. 254; p. 662.
Knocking up sheets and the like, particularly paper sheets, Machine for. W. C. Aylard and J. P. Petty. No 1,279,493; Sept. 24; v. 254; p. 662.
Knotter. B. E. Byrd. No. 1,259,955; Mar. 19; v. 248; p. 650.

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Knotter. B. E. Byrd. No. 1,282,041; Oct. 22; v. 255; p. 624.
Knotter. H. D. Colman. No. 1,255,859; Feb. 12; v. 247; p. 256.
Knotter, Hand-. E. F. Parks and J. A. Anderson. No. 1,263,101; Apr. 16; v. 249; p. 655.
Knuckle, Universal. J. W. Davis. No. 1,260,342; Mar. 26; v. 248; p. 793.
Kodak-case. E. E. White. No. 1,260,737; Mar. 26; v. 248; p. 909.
Label. E. C. Van Dyke and J. Harrison. No. 1,273,105; July 16; v. 252; p. 719.
Label-affixing machine. H. F. Richter. No. 1,274,600; Aug. 6; v. 253; p. 75.
Label and patch cutting and folding machine. A. Rosenthal. No. 1,262,986; Apr. 16; v. 249; p. 621.
Label and the like holder. L. Hall. No. 1,288,568; Dec. 24; v. 257; p. 681.
Label applying and gripping mechanism. J. E. Johnson. No. 1,253,250; Jan. 15; v. 246; p. 588.
Label-applying machine. J. D. Reifsnyder. No. 1,254,276; Jan. 22; v. 246; p. 903.
Label cutting and folding machine. G. L. Bignell. No. 1,283,055; Oct. 29; v. 255; p. 930.
Label-dating machine. L. A. Hawthorne. No. 1,280,218; Oct. 1; v. 255; p. 29.
Label-dating machine. J. D. Morgan. No. 1,280,275; Oct. 1; v. 255; p. 45.
Label-dating mechanism. G. G. Frelinghuysen. No. 1,280,202; Oct. 1; v. 255; p. 25.
Label for commodity-packages. G. G. Frelinghuysen. No. 1,289,431; Dec. 31; v. 257; p. 917.
Label for piece goods. W. B. Barker. No. 1,281,895; Oct. 15; v. 255; p. 545.
Label for towel-racks and similar articles. L. E. Pease. No. 1,258,941; Mar. 12; v. 248; p. 327.
Label-gumming device. I. I. Davis, Jr. No. 1,261,217; Apr. 2; v. 249; p. 63.
Label-holder. T. J. Clarke. No. 1,286,943; Dec. 10; v. 257; p. 220.
Label or stamp affixing device. W. E. Clay. No. 1,273,331; July 23; v. 252; p. 805.
Label, Shelf-. W. T. Sherer. No. 1,284,796; Nov. 12; v. 256; p. 379.
Labels and similar articles with adhesive, Machine for coating. M. Feybusch. No. 1,279,311; Sept. 17; v. 254; p. 590.
Labeling-machine. E. R. Alling. No. 1,284,547; Nov. 12; v. 256; p. 317.
Labeling-machine. G. A. Anderson. No. 1,271,989; July 9; v. 252; p. 381.
Labeling-machine. J. G. Biehler and R. Knopp. No. 1,263,515; Apr. 23; v. 249; p. 791.
Labeling-machine. J. E. Johnson and C. H. Oslund. No. 1,272,670; July 16; v. 252; p. 598.
Labeling-machine. F. H. Knapp and H. G. Dewey. No. 1,271,724; July 9; v. 252; p. 306.
Labeling-machine. R. Knopp and J. G. Biehler. No. 1,263,565; Apr. 23; v. 249; p. 803.
Labeling-machine. J. C. Larsen. No. 1,287,352; Dec. 10; v. 257; p. 323.
Labeling machine, Can-. A. P. Ekvall and H. Stake. No. 1,268,442; June 4; v. 251; p. 106.
Labeling machine, Can-. F. H. Knapp and H. G. Dewey. No. 1,282,700; Oct. 22; v. 255; p. 804.
Labeling machine, Can-. F. T. Von Wahlde and F. A. Stiens. No. 1,273,795; July 23; v. 252; p. 929.
Labeling-machines. Automatic feed mechanism for. H. Stake. No. 1,266,172; May 14; v. 250; p. 390.
Labeling machines. Feed-spacer mechanism for can-. A. P. Ekvall and H. Stake. No. 1,281,315; Oct. 15; v. 255; p. 388.
Labeling machines, Thread-applying mechanism for can-. L. W. Lombard. No. 1,275,949; Aug. 13; v. 253; p. 474.
Laboratory apparatus. K. P. McElroy. No. 1,254,048; Jan. 22; v. 246; p. 838.
Laboratory-furnace. C. A. Pfanstiehl. No. 1,283,285; Oct. 29; v. 255; p. 990.
Lace. G. F. Scotson-Clark. No. 1,282,129; Oct. 22; v. 255; p. 649.
Lace fastener, Shoe-. F. J. Kohlhaas. No. 1,266,823; May 21; v. 250; p. 599.
Lace fastener, Shoe-. M. W. Treadgold. No. 1,279,043; Sept. 17; v. 254; p. 518.
Lace fastener, Shoe-. F. H. Ulrey. No. 1,274,220; July 30; v. 252; p. 1088.
Lace-fastening device, Shoe-. S. G. Nolan. No. 1,265,946; May 14; v. 250; p. 326.
Lace machines, Bobbin and carriage of twist-. F. W. Pare and A. H. Clark. No. 1,268,144; June 4; v. 251; p. 21.
Lace-making mechanism. R. C. Rahm. No. 1,256,038; Feb. 12; v. 247; p. 308.
Lace-tipping machine. E. F. Tom'ins. No. 1,276,834; Aug. 27; v. 253; p. 786.
Laced upper and method of lacing uppers. M. E. Fernald. No. 1,274,700; Aug. 6; v. 253; p. 103.
Lacer. E. Young. No. 1,283,014; Oct. 29; v. 255; p. 920.
Lacing, Belt-. J. K. White. No. 1,264,239; Apr. 30; v. 249; p. 1022.
Lacing device. J. and M. Carlson. No. 1,282,539; Oct. 22; v. 255; p. 760.
Lacing fastener, Belt-. L. J. Sullivan. No. 1,267,710; May 28; v. 250; p. 872.
Lacing-hook. J. H. Hall. No. 1,269,076; June 11; v. 251; p. 303.
Lacing-hook-setting machine. A. R. Havener. No. 1,287,684; Dec. 17; v. 257; p. 435.
Lacing-hook-setting machine. J. Pierce. No. 1,268,878; June 11; v. 251; p. 247.
Lacing-tip. F. A. Stevens. No. 1,263,716; Apr. 23; v. 249; p. 843.
Lacing-tip. E. F. Tomkins. No. 1,276,833; Aug. 27; v. 253; p. 786.
Lacquering-machine. A. Schorn. No. 1,281,672; Oct. 15; v. 255; p. 484.
Lacquering or painting machine for tins and similar closed receptacles. R. Machin. No. 1,254,918; Jan. 29; v. 246; p. 1122.
Lacteal fluid, Treating. E. B. Heller. No. 1,276,910; Aug. 27; v. 253; p. 806.
Ladder. M. F. Enke. No. 1,251,761; Jan. 1; v. 246; p. 96.
Ladder. P. Erickson. No. 1,284,275; Nov. 12; v. 256; p. 249.
Ladder. H. B. Gaffers. No. 1,253,481; Jan. 15; v. 246; p. 657.
Ladder. W. A. Harmon. No. 1,280,456; Oct. 1; v. 255; p. 95.
Ladder. D. C. White. No. 1,253,114; Jan. 8; v. 246; p. 520.
Ladder-adjusting means. H. G. Hill. No. 1,266,466; May 14; v. 250; p. 467.
Ladder and chair, Combined. E. G. Michenfelder. No. 1,280,797; Oct. 8; v. 255; p. 216.
Ladder and conveyer, Fruit. J. D. Davis. No. 1,279,995; Sept. 24; v. 254; p. 806.
Ladder and ironing-board, Combination step-. J. G. Garland and J. A. Clinard. No. 1,284,307; Nov. 12; v. 256; p. 259.
Ladder and ironing-board support, Combined step-. A. Tobias. No. 1,271,808; July 9; v. 252; p. 327.
Ladder and rack, Combined step-. E. H. Lanier. No. 1,265,922; May 14; v. 250; p. 320.
Ladder attachment. C. H. Pool. No. 1,288,182; Dec. 17; v. 257; p. 560.
Ladder attachment. J. Sklar. No. 1,285,817; Nov. 26; v. 256; p. 717.
Ladder attachment. N. I. Smith. No. 1,272,551; July 16; v. 252; p. 563.
Ladder attachment. H. V. Wheatley. No. 1,257,056; Feb. 19; v. 247; p. 645.
Ladder, Car-. W. J. Bohan. No. 1,274,377; Aug. 6; v. 253; p. 8.
Ladder, Car-. F. M. Whyte. No. 1,285,520; Nov. 19; v. 256; p. 603.
Ladder, Collapsible step-. G. H. A. Kohler. No. 1,267,670; May 28; v. 250; p. 861.
Ladder, Combined step and extension. E. A. Langille. No. 1,269,463; June 11; v. 251; p. 408.
Ladder, Extension-. T. E. Tanner. No. 1,277,504; Sept. 3; v. 254; p. 48.
Ladder-foot. A. P. Lohmann. No. 1,276,666; Aug. 20; v. 253; p. 705.
Ladder-foot, Adjustable. E. W. Farnsworth. No. 1,265,636; May 7; v. 250; p. 207.
Ladder-hook. W. E. Bittner. No. 1,252,224; Jan. 1; v. 246; p. 226.
Ladder, Orchard-. C. Jecklin. No. 1,259,239; Mar. 12; v. 248; p. 410.
Ladder, Orchard-. E. W. Ryder. No. 1,258,048; Mar. 5; v. 248; p. 29.
Ladder, Portable extensible. J. E. Trojan. No. 1,271,391; July 2; v. 252; p. 178.
Ladder, Propped. O. Jackson. No. 1,284,690; Nov. 12; v. 256; p. 353.
Ladder-rigging. V. E. Bernson. No. 1,269,369; June 11; v. 251; p. 384.
Ladder safety attachment. C. J. Brown. No. 1,285,918; Nov. 26; v. 256; p. 742.
Ladder-shelf, Adjustable. B. C. Dodds. No. 1,260,525; Mar. 26; v. 248; p. 847.
Ladder, Step-. G. T. Carr. No. 1,273,031; July 16; v. 252; p. 700.
Ladder, Step-. A. L. Champion. No. 1,274,683; Aug. 6; v. 253; p. 98.
Ladder, Step-. D. B. Hampton. No. 1,258,332; Mar. 5; v. 248; p. 111.
Ladder, Step-. Y. Hirose. No. 1,251,776; Jan. 1; v. 246; p. 100.
Ladder, Step-. J. C. Poetz. No. 1,283,424; Oct. 29; v. 255; p. 1027.
Ladder, Step-. G. C. Wilcke. No. 1,269,142; June 11; v. 251; p. 320.
Ladder-truck. C. L. Blatzer. No. 1,283,640; Nov. 5; v. 256; p. 53.
Ladders, Adjustable foot for. F. E. Hunn. No. 1,280,741; Oct. 8; v. 255; p. 199.
Ladle-tilting apparatus. W. T. Hurst and C. L. Kenney. No. 1,255,313; Feb. 5; v. 247; p. 56.
Lambrequin. J. Jarvik. No. 1,272,959; July 16; v. 252; p. 680.

Laminated articles, Making. L. T. Frederick. No. 1,284,296; Nov. 12; v. 256; p. 256.
Laminated fabric. L. H. Gilmer. No. 1,266,789; May 21; v. 250; p. 590.
Laminated spring. H. Frood. No. 1,254,493; Jan. 22; v. 246; p. 966.
Laminating method and article. J. D. Tew. No. 1,287,515; Dec. 10; v. 257; p. 362.
Lamp. A. C. Abramson. No. 1,253,765; Jan. 15; v. 246; p. 738.
Lamp. W. J. Bohan. No. 1,273,994; July 30; v. 252; p. 1023.
Lamp. W. J. Bohan. No. 1,273,995; July 30; v. 252; p. 1024.
Lamp. C. Campbell. No. 1,289,113; Dec. 31; v. 257; p. 837.
Lamp. H. A. Douglas. No. 1,256,531; Feb. 19; v. 247; p. 491.
Lamp. M. N. Finkelstein. No. 1,273,473; July 23; v. 252; p. 844.
Lamp. H. H. Gross, Jr., and H. L. Batting. No. 1,283,741; Nov. 5; v. 256; p. 79.
Lamp. F. E. Holmes. No. 1,271,574; July 9; v. 252; p. 263.
Lamp. J. H. Hunt. No. 1,276,924; Aug. 27; v. 253; p. 810.
Lamp. C. J. Klein. No. 1,262,517; Apr. 9; v. 249; p. 459.
Lamp. G. C. Lynch. No. 1,264,669; Apr. 30; v. 249; p. 1141.
Lamp. G. K. Maltby. No. 1,276,669; Aug. 20; v. 253; p. 706.
Lamp. G. K. Maltby. No. 1,276,670; Aug. 20; v. 253; p. 706.
Lamp. T. Nagel. No. 1,270,858; July 2; v. 252; p. 30.
Lamp. H. R. Palmer. No. 1,269,549; June 11; v. 251; p. 431.
Lamp. H. R. Palmer. No. 1,272,509; July 16; v. 252; p. 551.
Lamp. L. L. Pfeifer. No. 1,272,517; July 16; v. 252; p. 554.
Lamp. J. H. Powers. No. 1,272,315; July 9; v. 252; p. 473.
Lamp. C. F. Rabenold and G. W. Carns. No. 1,272,524; July 16; v. 252; p. 555.
Lamp. C. Ryder. No. 1,266,164; May 14; v. 250; p. 387.
Lamp. L. Wise. No. 1,284,016; Nov. 5; v. 256; p. 151.
Lamp. W. H. Wood. No. 1,284,019; Nov. 5; v. 256; p. 152.
Lamp. F. W. Xiques and E. A. Jarvis. No. 1,262,899; Apr. 16; v. 249; p. 596.
Lamp, Acetylene-. J. Brocker. No. 1,256,770; Feb. 19; v. 247; p. 560.
Lamp, Acetylene-. J. M. Brook. No. 1,269,047; June 11; v. 251; p. 294.
Lamp, Acetylene-gas. T. H. Bibby. No. 1,277,286; Aug. 27; v. 253; p. 906.
Lamp and battery-tester, Combined. G. Ruckardt. No. 1,253,282; Jan. 15; v. 246; p. 597.
Lamp and flash-light, Combination head-. C. G. Hamilton. No. 1,274,263; July 30; v. 252; p. 1100.
Lamp and frame, Electric spectacle. L. Zachara. No. 1,255,265; Feb. 5; v. 247; p. 43.
Lamp and horn, Combination. G. Stowe and G. E. Molyneux. No. 1,259,312; Mar. 12; v. 248; p. 431.
Lamp and horn, Combination. G. Stowe and G. E. Molyneux. No. 1,271,097; July 2; v. 252; p. 96.
Lamp and making it, Metallic-filament. H. J. Jaeger. No. 1,265,204; May 7; v. 250; p. 93.
Lamp and mirror fixture for automobiles, Combined. F. Yokel. No. 1,276,850; Aug. 27; v. 253; p. 791.
Lamp and shade holder, Combined. T. Shepherd. No. 1,257,032; Feb. 19; v. 247; p. 639.
Lamp and signal, Hand-. C. G. Mollan. No. 1,268,040; May 28; v. 250; p. 965.
Lamp apparatus, Dirigible-. C. H. Fisher. No. 1,263,399; Apr. 23; v. 249; p. 757.
Lamp, Arc-. C. Aalborg. No. 1,281,743; Oct. 15; v. 255; p. 503.
Lamp, Arc-. F. Alexander. No. 1,281,745; Oct. 15; v. 255; p. 504.
Lamp, Arc-. W. A. Darrah. No. 1,264,280; Apr. 30; v. 249; p. 1032.
Lamp, Arc-. W. A. Darrah. No. 1,281,527; Oct. 15; v. 255; p. 447.
Lamp, Arc-. E. J. Guay. No. 1,276,522; Aug. 20; v. 253; p. 666.
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Lamp, Arc-. G. M. Little. No. 1,268,025; May 28; v. 250; p. 961.
Lamp, Arc-. G. M. Little. No. 1,268,026; May 28; v. 250; p. 962.
Lamp, Arc-. G. M. Little. No. 1,284,387; Nov. 12; v. 256; p. 279.
Lamp, Arc-. E. S. Porter. No. 1,272,313; July 9; v. 252; p. 472.
Lamp, Arc-. J. H. Wagenhorst. No. 1,279,618; Sept. 24; v. 254; p. 698.
Lamp attachment. W. H. Streever. No. 1,282,488; Oct. 22; v. 255; p. 746.
Lamp attachment, Arc-. J. R. Pratt. No. 1,261,613; Apr. 2; v. 249; p. 175.
Lamp attachment, Automatic flash-. C. V. Estey and A. B. Cudney. No. 1,263,753; Apr. 23; v. 249; p. 853.
Lamp attachment, Carbid-. H. F. Roberts. No. 1,280,849; Oct. 8; v. 255; p. 231.
Lamp, Automatic swivel-. J. W. Master. No. 1,260,696; Mar. 26; v. 248; p. 898.
Lamp, Automobile-. E. A. Kuen. No. 1,252,907; Jan. 8; v. 246; p. 456.
Lamp, Automobile-. O. M. Otte. No. 1,260,439; Mar. 26; v. 248; p. 821.
Lamp, Automobile-. O. M. Otte. No. 1,260,440; Mar. 26; v. 248; p. 821.
Lamp, Automobile-. O. M. Otte. No. 1,266,524; May 14; v. 250; p. 484.
Lamp, Automobile-. W. F. Persons. No. 1,287,092; Dec. 10; v. 257; p. 258.
Lamp, Battery hand-. C. Hambuechen. No. 1,289,459; Dec. 31; v. 257; p. 923.
Lamp-bracket. H. D. Church. No. 1,259,958; Mar. 19; v. 248; p. 651.
Lamp-bracket. J. T. Roffy. No. 1,281,840; Oct. 15; v. 255; p. 531.
Lamp-bracket, Adjustable. O. M. Sheck. No. 1,257,130; Feb. 19; v. 247; p. 665.
Lamp-bracket, Portable. W. H. Barnes. No. 1,261,894; Apr. 9; v. 249; p. 286.
Lamp bulb, Automobile-. C. Schickerling. No. 1,262,395; Apr. 9; v. 249; p. 426.
Lamp-bulb socket, Incandescent-. C. A. Nelson. No. 1,262,237; Apr. 9; v. 249; p. 381.
Lamp-burner. J. Gill. No. 1,285,118; Nov. 19; v. 256; p. 500.
Lamp-burner. F. O. Hines and W. Mills. No. 1,267,072; May 21; v. 250; p. 668.
Lamp-burner. D. Lipp. No. 1,280,778; Oct. 8; v. 255; p. 211.
Lamp-burner. J. W. McCrone. No. 1,252,709; Jan. 8; v. 246; p. 400.
Lamp-burner. M. Oros. No. 1,254,623; Jan. 22; v. 246; p. 1003.
Lamp-burner. J. P. Truesdell. No. 1,271,103; July 2; v. 252; p. 98.
Lamp-burner, Self-lighting. J. L. White. No. 1,277,014; Aug. 27; v. 253; p. 834.
Lamp, Candle-. L. Riley. No. 1,278,386; Sept. 10; v. 254; p. 311.
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Lamp-carriage, Adjustable. O. M. Sheck. No. 1,257,129; Feb. 19; v. 247; p. 665.
Lamp-carriage device, Adjustable. O. M. Sheck. No. 1,257,131; Feb. 19; v. 247; p. 665.
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Lamp-chimney cleaner. W. A. White. No. 1,283,610; Nov. 5; v. 256; p. 45.
Lamp-chimney guard. J. Mastenbrook. No. 1,276,553; Aug. 20; v. 253; p. 674.
Lamp-chimney guard. F. F. Richter. No. 1,287,105; Dec. 10; v. 257; p. 262.
Lamp-chimney holder. A. A. Halverson. No. 1,289,741; Dec. 31; v. 257; p. 992.
Lamp-chimney protector. M. E. Dengler. No. 1,276,883; Aug. 27; v. 253; p. 799.
Lamp-chimney wind and bug shield. A. S. L. Sinclair. No. 1,285,435; Nov. 19; v. 256; p. 582.
Lamp-cluster. G. L. Lamb. No. 1,257,496; Feb. 26; v. 247; p. 809.
Lamp, Composition-light. J. H. Coleman and W. W. Dunnell, Jr. No. 1,266,554; May 21; v. 250; p. 523.
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Lamp control, Head-. C. E. Bunker. No. 1,289,107; Dec. 31; v. 257; p. 835.
Lamp control, Vehicle-head-. O. R. Sell. No. 1,278,033; Sept. 3; v. 254; p. 191.
Lamp controller, Head-. W. F. Snowdon. No. 1,257,141; Feb. 19; v. 247; p. 668.
Lamp, Dentist's. O. J. Hanson. No. 1,263,234; Apr. 16; v. 249; p. 691.
Lamp-dimmer. G. W. Ray. No. 1,263,288; Apr. 16; v. 249; p. 705.
Lamp, Dirigible. C. E. Archer and E. C. Humphreys. No. 1,259,824; Mar. 19; v. 248; p. 610.
Lamp, Dirigible electric. C. E. Archer and E. C. Humphreys. No. 1,259,823; Mar. 19; v. 248; p. 610.
Lamp, Electric. J. Cathrill. No. 1,269,904; June 18; v. 251; p. 563.
Lamp, Electric. F. L. Fowler. No. 1,262,936; Apr. 16; v. 249; p. 607.

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Lamp, Electric. C. E. Godley. No. 1,283,731; Nov. 5; v. 256; p. 77.
Lamp, Electric. F. G. Keyes. No. 1,270,843; July 2; v. 252; p. 25.
Lamp, Electric. J. A. Orange. No. 1,279,415; Sept. 17; v. 254; p. 618.
Lamp, Electric. F. M. Rosenfeld and L. E. Shaw. No. 1,289,550; Dec. 31; v. 257; p. 946.
Lamp, Electric-arc. F. R., R. V., and F. Boardman. No. 1,260,747; Mar. 26; v. 248; p. 912.
Lamp, Electric-arc. J. Gelb. No. 1,272,418; July 16; v. 252; p. 526.
Lamp, Electric head-. G. L. Lee. No. 1,262,065; Apr. 9; v. 249; p. 332.
Lamp, Electric incandescent. M. Aron and W. Keppel. No. 1,260,742; Mar. 26; v. 248; p. 911.
Lamp, Electric incandescent. J. H. Dale. No. 1,271,858; July 9; v. 252; p. 341.
Lamp, Electric incandescent. H. B. Rand. No. 1,275,305; Aug. 13; v. 253; p. 296.
Lamp, Electric incandescent. E. Terry. No. 1,262,141; Apr. 9; v. 249; p. 354.
Lamp, Electric pocket-. J. Beckmann. No. 1,280,370; Oct. 1; v. 255; p. 72.
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Lamp, Electric signal-. L. P. Wagner. No. 1,261,464; Apr. 2; v. 249; p. 133.
Lamp electrode, Arc-. I. Ladoff. No. 1,281,796; Oct. 15; v. 255; p. 518.
Lamp electrode, Arc-. W. R. Mott. No. 1,289,524; Dec. 31; v. 257; p. 937.
Lamp, Extensible incandescent. W. C. Witherspoon. No. 1,276,849; Aug. 27; v. 253; p. 791.
Lamp filaments, Support for electric-. R. D. Mailey. No. 1,270,856; July 2; v. 252; p. 29.
Lamp filled with nitrogen, Metallic-filament. H. J. Jaeger. No. 1,256,568; Feb. 19; v. 247; p. 501.
Lamp-fixture, Adjustable. H. R. Huberich. No. 1,269,538; June 11; v. 251; p. 428
Lamp fixture, Electric-. F. A. Bakula. No. 1,275,362; Aug. 13; v. 253; p. 312.
Lamp fixture, Electric-. S. W. Farber. No. 1,266,241; May 14; v. 250; p. 409.
Lamp fixture, Incandescent-. W. C. H. Wefel. No. 1,256,749; Feb. 19; v. 247; p. 554.
Lamp, Flaming-arc. T. Spencer. No. 1,289,567; Dec. 31; v. 257; p. 950.
Lamp, Flash-. C. E. Walton. No. 1,284,502; Nov. 12; v. 256; p. 306.
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Lamp for moving-picture studios, Arc-. W. Bach and W. A. Cunningham. No. 1,258,519; Mar. 5; v. 248; p. 166.
Lamp for therapeutic purposes. Hand-. H. D. McFaddin. No. 1,267,882; May 28; v. 250; p. 923.
Lamp, Gas-. H. H. Marrs. No. 1,271,048; July 2; v. 252; p. 84.
Lamp globe, Arc-. G. M. Little. No. 1,264,405; Apr. 30; v. 249; p. 1068.
Lamp-globe fixture. E. Cochran. (Reissue.) No. 14,478; June 4; v. 251; p. 210.
Lamp globes, Holder for gas-. I. B. Taylor. No. 1,283,968; Nov. 5; v. 256; p. 139.
Lamp-guard. C. B. Auel. No. 1,289,076; Dec. 31; v. 257; p. 827.
Lamp, Handy. R. R. Root. No. 1,268,154; June 4; v. 251; p. 24.
Lamp-heater. P. Crosley, Jr. No. 1,271,439; July 2; v. 252; p. 191.
Lamp holder and adjuster. H. E. Procunier. No. 1,254,068; Jan. 22; v. 246; p. 844.
Lamp-holder and mirror, Dentist's combined. E. G. Houck. No. 1,283,189; Oct. 29; v. 255; p. 965.
Lamp-holder for bicycles. J. J. McGuckin. No. 1,267,570; May 28; v. 250; p. 833.
Lamp holder, Miner's-. J. M. Roberts. No. 1,271,368; July 2; v. 252; p. 173.
Lamp hood or shade. G. W. Cassidy. (Reissue.) No. 14,511; Aug. 27; v. 253; p. 922.
Lamp, Incandescent. W. A. Darrah. No. 1,252,372; Jan. 1; v. 246; p. 268.
Lamp, Incandescent. I. Langmuir. No. 1,271,483; July 2; v. 252; p. 203.
Lamp, Incandescent. T. B. Rider. No. 1,259,907; Mar. 19; v. 248; p. 635.
Lamp, Incandescent. F. G. Tilley. No. 1,279,789; Sept. 24; v. 254; p. 748.
Lamp, Incandescent. F. M. A. Wyballie. No. 1,275,820; Aug. 13; v. 253; p. 438.
Lamp, Incandescent electric. W. L. Barnard. No. 1,273,130; July 23; v. 252; p. 752.
Lamp, Incandescent electric. C. Bobe. No. 1,286,514; Dec. 3; v. 257; p. 82.
Lamp, Incandescent electric. W. W. D. Knight and H. E. Clerk. No. 1,277,950; Sept. 3; v. 254; p. 169.
Lamp, Incandescent electric. V. Martinez. No. 1,283,848; Nov. 5; v. 256; p. 108.
Lamp, Inclosed-arc. T. Spencer. No. 1,287,492; Dec. 10; v. 257; p. 356.
Lamp installation, Electric-. M. Guett. No. 1,261,928; Apr. 9; v. 249; p. 296.
Lamp, Inverted incandescent gas-. F. Yokel. No. 1,254,105; Jan. 22; v. 246; p. 855.
Lamp, Light-projecting. J. E. Ryan. No. 1,257,405; Feb. 26; v. 247; p. 780.
Lamp lock-socket. R. B. Benjamin. No. 1,277,533; Sept. 3; v. 254; p. 55.
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Lamp, Metal-filament. J. E. C. Struve. No. 1,260,729; Mar. 26; v. 248; p. 907.
Lamp, Metallic-filament. H. J. Jaeger. No. 1,286,596; Dec. 3; v. 257; p. 101.
Lamp, Miner's. A. C. Recker. No. 1,283,897; Nov. 5; v. 256; p. 121.
Lamp-mounting. C. E. Godley. No. 1,252,684; Jan. 8; v. 246; p. 393.
Lamp-mounting. C. E. Godley. No. 1,270,940; July 2; v. 252; p. 53.
Lamp-mounting. F. M. Whitney. No. 1,287,542; Dec. 10; v. 257; p. 368.
Lamp-mounting attachment for vehicles. L. R. Ewart. No. 1,266,239; May 14; v. 250; p. 408.
Lamp, Oil-. J. Sadlo. No. 1,278,388; Sept. 10; v. 254; p. 312.
Lamp or headlight. H. G. Fitz Gerald. No. 1,279,096; Sept. 17; v. 254; p. 532.
Lamp, Photographic-dark-room. F. W. Barnes and G. F. Phillips. No. 1,252,383; Jan. 8; v. 246; p. 306.
Lamp, Pocket hand-. J. C. Ford. No. 1,257,596; Feb. 26; v. 247; p. 839.
Lamp, Portable. E. I. Dodds. No. 1,275,872; Aug. 13; v. 253; p. 454.
Lamp, Portable. E. I. Dodds. No. 1,275,873; Aug. 13; v. 253; p. 454.
Lamp, Portable. H. D. McFaddin. No. 1,262,964; Apr. 16; v. 249; p. 615.
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Lamp, Post-type arc-. G. M. Little. No. 1,264,406; Apr. 30; v. 249; p. 1068.
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Lamp, Reflecting electric. H. A. Douglas. No. 1,261,787; Apr. 9; v. 249; p. 258.
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Lamp replacer, Burned-out-. W. K. Howe. No. 1,276,766; Aug. 27; v. 253; p. 769.
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Lamp, Sanctuary-. E. J. Knapp. No. 1,255,614; Feb. 5; v. 247; p. 145.
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Lamp-shade holder. M. Kossmann. No. 1,278,808; Sept. 10; v. 254; p. 424.
Lamp-shade holder. M. Kossmann. No. 1,282,593; Oct. 22; v. 255; p. 774.
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Lamp-socket. R. B. Benjamin. No. 1,271,835; July 9; v. 252; p. 335.
Lamp-socket. E. H. Freeman. No. 1,260,360; Mar. 26; v. 248; p. 798.
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Lamp-socket. W. S. MacLewee. No. 1,285,296; Nov. 19; v. 256; p. 545.
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Lamp-socket. O. Winston. No. 1,279,628; Sept. 24; v. 254; p. 701.
Lamp-socket. O. Winston. No. 1,280,927; Oct. 8; v. 255; p. 251.
Lamp-socket. D. Woodhead. No. 1,265,285; May 7; v. 250; p. 114.
Lamp-socket, Adjustable. O. M. Sheck. No. 1,285,427; Nov. 19; v. 256; p. 580.
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Lamp support, Automobile-. F. Dick, Jr. No. 1,264,619; Apr. 30; v. 249; p. 1128.
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Lamps, Attaching device for miners' cap-. J. M. Brock. No. 1,289,631; Dec. 31; v. 257; p. 965.
Lamps, Carbon-holder for arc-. J. C. La Chance. No. 1,278,171; Sept. 10; v. 254; p. 254.
Lamps, Carbon-holder of electric-arc. W. L. Humphries. No. 1,278,661; Sept. 10; v. 254; p. 385.
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Lamps, Glare-controlling device for. H. R. Palmer. No. 1,269,548; June 11; v. 251; p. 430.
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Lapping-machine. E. A. Suverkrop. No. 1,257,046; Feb. 19; v. 247; p. 642.
Laryngoscope. F. E. Miller. No. 1,283,256; Oct. 29; v. 255; p. 983.
Last. C. F. Barker and F. W. Millay. No. 1,260,301; Mar. 26; v. 248; p. 780.
Last. M. E. Fernald. No. 1,283,128; Oct. 29; v. 255; p. 949.
Last. A. Latham. No. 1,280,251; Oct. 1; v. 255; p. 38.
Last. A. Latham. No. 1,282,244; Oct. 22; v. 255; p. 680.
Last. J. C. Schelter. No. 1,259,140; Mar. 12; v. 248; p. 386.
Last and sole-retaining device therefor. M. E. Fernald. No. 1,284,883; Nov. 12; v. 256; p. 403.
Last-block-pulling device. M. F. Brogan. No. 1,288,459; Dec. 24; v. 257; p. 653.
Last connection. A. D. Warner. No. 1,276,293; Aug. 20; v. 253; p. 601.
Last, Expansible shoe-. C. Schevitz. No. 1,289,927; Dec. 31; v. 257; p. 1038.
Last for forming leggings. G. L. Pierce and K. Djerf. No. 1,275,086; Aug. 6; v. 253; p. 211.
Last, Hinged. C. C. Dodge. No. 1,261,781; Apr. 9; v. 249; p. 257.
Last, Illuminable darning-. E. C. Smith. No. 1,283,936; Nov. 5; v. 256; p. 131.
Last-making machine. E. E. Foster. No. 1,269,273; June 11; v. 251; p. 358.
Last-pulling machine. B. F. Mayo. No. 1,274,738; Aug. 6; v. 253; p. 113.
Last-pulling machine. B. F. Mayo. No. 1,288,436; Dec. 17; v. 257; p. 619.
Last, Shoe-. P. H. De Rochemont. No. 1,281,305; Oct. 15; v. 255; p. 385.
Last, Shoe-. M. J. Dowd. No. 1,281,915; Oct. 15; v. 255; p. 551.
Last, Shoe-. W. Fowler. No. 1,258,401; Mar. 5; v. 248; p. 131.
Last, Shoe-. E. J. Prindle. No. 1,261,436; Apr. 2; v. 249; p. 126.
Last, Shoe-. E. J. Prindle. No. 1,284,450; Nov. 12; v. 256; p. 294.
Lasts, Heel-support for. H. H. Eaton. No. 1,264,287; Apr. 30; v. 249; p. 1034.
Lasts, Non-pinching attachment for. J. D. Potts. No. 1,283,295; Oct. 29; v. 255; p. 992.
Lasting apparatus. M. Brock. No. 1,271,659; July 9; v. 252; p. 287.
Lasting-machine. M. Brock. No. 1,267,370; May 28; v. 250; p. 778.
Lasting-machine. M. Brock. No. 1,284,870; Nov. 12; v. 256; p. 399.
Lasting-machine. M. Brock. (Reissue.) No. 14,576; Dec. 24; v. 257; p. 801.
Lasting-machine. A. B. Fowler. No. 1,257,689; Feb. 26; v. 247; p. 864.
Lasting-machine. A. B. Fowler. No. 1,288,553; Dec. 24; v. 257; p. 677.
Lasting-machine. R. F. McFeely. No. 1,254,917; Jan. 29; v. 246; p. 1121.
Lasting-machine. A. Perri. No. 1,260,034; Mar. 19; v. 248; p. 673.
Lasting-machine. C. F. Pym. No. 1,274,589; Aug. 6; v. 253; p. 71.
Lasting-machine. C. F. Pym. No. 1,274,590; Aug. 6; v. 253; p. 72.
Lasting-machine. C. F. Pym. No. 1,288,440; Dec. 17; v. 257; p. 620.
Lasting-machine. C. F. Pym. No. 1,288,441; Dec. 17; v. 257; p. 620.
Lasting-machine. R. Reid. No. 1,261,959; Apr. 9; v. 249; p. 305.
Lasting-machine. T. H. Seely. No. 1,278,232; Sept. 10; v. 254; p. 270.
Lasting-machine gripper mechanism. W. G. Chesley. No. 1,282,191; Oct. 22; v. 255; p. 666.
Lasting machine, Side-. P. J. Wentworth. No. 1,259,693; Mar. 19; v. 248; p. 571.
Lasting machine, Toe-. M. Brock. No. 1,261,483; Apr. 2; v. 249; p. 138.
Lasting mechanism, End-. M. Brock. No. 1,261,484; Apr. 2; v. 249; p. 139.
Lasting-nail. S. Liolios. No. 1,289,832; Dec. 31; v. 257; p. 1014.
Latch. C. S. Barnard. No. 1,271,117; July 2; v. 252; p. 102.
Latch. C. S. Barnard. No. 1,275,363; Aug. 13; v. 253; p. 312.
Latch. A. J. Beauchemin and A. J. Laroche. No. 1,278,314; July 23; v. 252; p. 800.
Latch. L. S. Chadwick. No. 1,271,181; July 2; v. 252; p. 105.
Latch. B. R. Crampton. No. 1,273,583; July 23; v. 252; p. 873.
Latch. E. Crompton and C. L. Crooks. No. 1,281,143; Oct. 8; v. 255; p. 309.
Latch. E. Crompton and C. L. Crooks. No. 1,281,144; Oct. 8; v. 255; p. 309.
Latch. J. M. and J. H. Decker. No. 1,274,693; Aug. 6; v. 253; p. 101.
Latch. L. E. Edgar and W. W. Richards. No. 1,256,992; Feb. 19; v. 247; p. 628.
Latch. P. C. James. No. 1,251,781; Jan. 1; v. 246; p. 102.
Latch. A. H. Kenneweg. No. 1,286,344; Dec. 3; v. 257; p. 39.
Latch. G. Rehe. No. 1,286,774; Dec. 3; v. 257; p. 140.
Latch. W. B. Schueler. No. 1,274,610; Aug. 6; v. 253; p. 78.
Latch. P. J. Wesolowski. No. 1,266,086; May 14; v. 250; p. 365.
Latch. A. F. Winters. No. 1,278,275; Sept. 10; v. 254; p. 282.
Latch and latch-operating mechanism. J. A. Linstrom. No. 1,280,777; Oct. 8; v. 255; p. 210.
Latch and lock, Door. J. Bransford. No. 1,251,631; Jan. 1; v. 246; p. 56.
Latch, Auto and screen door. G. E. Hitchcock. No. 1,265,915; May 14; v. 250; p. 318.
Latch, Auto-door. D. F. Oliver. No. 1,267,794; May 28; v. 250; p. 896.
Latch, Automobile-door. E. S. David. No. 1,262,951; Apr. 16; v. 249; p. 526.
Latch, Automobile-door. O. E. Olson. No. 1,269,846; June 18; v. 251; p. 547.
Latch, Cabinet-. A. A. Curtis. No. 1,262,459; Apr. 9; v. 249; p. 442.
Latch, Dead-. O. K. Tillman. No. 1,264,226; Apr. 30; v. 249; p. 1018.
Latch device. E. B. Lynam. No. 1,284,393; Nov. 12; v. 256; p. 280.
Latch device for folding doors. J. S. Kern. No. 1,271,582; July 9; v. 252; p. 265.
Latch, Door-. C. S. Booth. No. 1,285,915; Nov. 26; v. 256; p. 741.
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Latch, Door-. C. D. Fischer and S. A. Vernon. No. 1,286,857; Dec. 3; v. 257; p. 159.
Latch, Door-. J. P. Johnson and G. W. Mason. No. 1,262,054; Apr. 9; v. 249; p. 329.
Latch, Door-. G. J. McGowan. No. 1,275,954; Aug. 13; v. 253; p. 475.
Latch, Door-. T. O. Schrader. No. 1,265,120; May 7; v. 250; p. 70.
Latch, Door-. C. Schütz. No. 1,256,934; Feb. 19; v. 247; p. 609.
Latch, Door-. W. Smith. No. 1,274,096; July 30; v. 252; p. 1052.
Latch, Door-. B. E. Taylor. No. 1,278,254; Sept. 10; v. 254; p. 276.
Latch, Door-. H. M. Tompkins and H. K. Koppin. No. 1,253,545; Jan. 15; v. 246; p. 675.
Latch elevator, Automatic finger-. C. White, Jr. No. 1,276,297; Aug. 20; v. 253; p. 602.
Latch, Emergency lift-. F. J. Le Beau. No. 1,252,454; Jan. 8; v. 246; p. 326.
Latch for automobile-doors. J. Ritchie. No. 1,253,530; Jan. 15; v. 246; p. 671.
Latch for double doors. J. T. Seng. No. 1,263,812; Apr. 23; v. 249; p. 870.
Latch for elevator-doors, Safety-. T. A. Melville. No. 1,256,348; Feb. 12; v. 247; p. 402.
Latch for -gates, barn-doors, &c. A. Smith. No. 1,260,469; Mar. 26; v. 248; p. 829.
Latch for grain-car doors. E. W. Grogan. No. 1,257,849; Feb. 26; v. 247; p. 913.
Latch, Gate-. J. S. Barnes and E. J. Randall. No. 1,261,679; Apr. 2; v. 249; p. 195.
Latch, Gate-. C. J. Bettger. No. 1,271,655; July 9; v. 252; p. 286.
Latch, Gate-. Z. V. Berry. No. 1,267,309; May 21; v. 250; p. 732.
Latch, Gate-. J. B. Clay. No. 1,280,665; Oct. 8; v. 255; p. 178.
Latch, Gate-. W. H. Dew. No. 1,255,297; Feb. 5; v. 247; p. 52.
Latch, Gate-. L. Enok. No. 1,289,708; Dec. 31; v. 257; p. 984.

Latch, Gate-. J. L. Hoover. No. 1,259,018; Mar. 12; v. 248; p. 350.
Latch, Gate-. J. H. Jungemann. No. 1,264,084; Apr. 23; v. 249; p. 945.
Latch, Gate-. D. D. Martz. No. 1,255,545; Feb. 5; v. 247; p. 125.
Latch, Gate-. J. Portesi. No. 1,260,444; Mar. 26; v. 248; p. 822.
Latch, Gate-. C. C. Ross. No. 1,279,162; Sept. 17; v. 254; p. 549.
Latch, Gate-. C. C. Ross. No. 1,279,163; Sept. 17; v. 254; p. 549.
Latch, Gate. L. Swank. No. 1,258,624; Mar. 5; v. 248; p. 198.
Latch, Gate-. J. H. Windham. No. 1,286,864; Dec. 3; v. 257; p. 161.
Latch, Gate-. W. A. Woiwod. No. 1,264,244; Apr. 30; v. 249; p. 1023.
Latch, Gate-. A. C. Wright and J. H. Leary, Jr. No. 1,269,145; June 11; v. 251; p. 321.
Latch mechanism for doors. I. R. Timlin and H. W. Quernheim. No. 1,282,320; Oct. 22; v. 255; p. 700.
Latch-operating means. R. H. Harsh. No. 1,279,690; Sept. 24; v. 254; p. 719.
Latch or the like, Gate-. E. J. Brady. No. 1,280,653; Oct. 8; v. 255; p. 175.
Latch protector, Spring-. J. A. White. No. 1,252,524; Jan. 8; v. 246; p. 347.
Latch, Push-button. A. B. Gruber. No. 1,257,998; Mar. 5; v. 248; p. 14.
Latch, Push-button. A. B. Gruber. No. 1,270,288; June 25; v. 251; p. 690.
Latch, Refrigerator-. H. C. Leonard and A. F. Winters. No. 1,269,467; June 11; v. 251; p. 409.
Latch-releaser. S. Kulich. No. 1,254,240; Jan. 22; v. 246; p. 893.
Latch, Reversible cabinet-. F. E. Buchanan. No. 1,254,882; Jan. 29; v. 246; p. 1112.
Latch, Roller-. G. Labrie. No. 1,253,393; Jan. 15; v. 246; p. 633.
Latch, Roof-. J. S. Murphy. No. 1,270,043; June 18; v. 251; p. 599.
Latch, Switch-stand. F. C. Anderson. No. 1,253,200; Jan. 15; v. 246; p. 573.
Latch, Window-. W. S. Fell. No. 1,261,913; Apr. 9; v. 249; p. 291.
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Latching mechanism. W. D. Martin and H. Schrik. No. 1,258,132; Mar. 5; v. 248; p. 53.
Latex and products obtained thereby, Treating. E. M. Slocum. No. 1,268,639; June 4; v. 251; p. 163.
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Lath-board, Machine for making. S. M. Ford. No. 1,251,879; Jan. 1; v. 246; p. 131.
Lath-board-making machine. S. M. Ford. No. 1,257,472; Feb. 26; v. 247; p. 801.
Lath-board-making machine. S. M. Ford. No. 1,258,328; Mar. 5; v. 248; p. 110.
Lath-boards, Machine for making. S. M. Ford. No. 1,287,275; Dec. 10; v. 257; p. 305.
Lath, Composite. A. P. White. No. 1,276,146; Aug. 20; v. 253; p. 561.
Lath, Composite. A. P. White. No. 1,276,147; Aug. 20; v. 253; p. 561.
Lath for wall-plaster foundations. J. C. Capehart. No. 1,266,211; May 14; v. 250; p. 400.
Lath, Machine for making plaster-. L. N. Farnum. No. 1,288,543; Dec. 24; v. 257; p. 675.
Lath-mills, Feeding-roller for. T. C. Morris. No. 1,278,978; Sept. 17; v. 254; p. 501.
Lath-stay. E. H. Kruse. No. 1,258,916; Mar. 12; v. 248; p. 320.
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Lathe. J. Slotnaes. (Reissue.) No. 14,509; Aug. 20; v. 253; p. 717.
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Lathe attachment. R. Hervig. No. 1,256,131; Feb. 12; v. 247; p. 336.
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Lathe, Axle-. A. H. Ingle. No. 1,288,903; Dec. 24; v. 257; p. 761.
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Lathe, Milling-. A. Lane and T. More. No. 1,286,659; Dec. 3; v. 257; p. 116.
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Lathe, Multiple-spindle turret-. L. G. Daniels. No. 1,274,859; Aug. 6; v. 253; p. 148.
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Lathe, Pivot-. A. Sirand. No. 1,261,062; Apr. 2; v. 249; p. 20.
Lathe, Quick-change-swing precision-. F. Hardinge. No. 1,280,215; Oct. 1; v. 255; p. 28.
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Lathe-tool holder. E. A. Sagui. No. 1,279,917; Sept. 24; v. 254; p. 786.
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Laundry-tray supply. G. B. Legg. No. 1,261,248; Apr. 2; v. 249; p. 72.
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Leaf-spring. H. Rigby. No. 1,288,993; Dec. 24; v. 257; p. 783.
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Leaf-stemming machine. J. F. Moeller. No. 1,261,267; Apr. 2; v. 249; p. 78.
Leaf-turner. G. N. Evans. No. 1,266,437; May 14; v. 250; p. 459.
Leak-stopper. D. T. Brand. No. 1,283,060; Oct. 29; v. 255; p. 931.
Leak-stopper. E. L. Sons. No. 1,253,293; Jan. 15; v. 246; p. 601.
Leather and making the same, Reinforced. M. W. White. No. 1,259,180; Mar. 12; v. 248; p. 396.
Leather and making same, Substitute for. G. H. Bruce. No. 1,279,242; Sept. 17; v. 254; p. 570.
Leather and producing the same, Artificial. W. W. Richards. No. 1,270,055; June 18; v. 251; p. 602.
Leather and textile or like covering. F. W. Moore. No. 1,267,890; May 28; v. 250; p. 924.
Leather articles, Composition for waterproofing. H. C. Trenaman. No. 1,269,658; June 18; v. 251; p. 494.
Leather belts and the like, Machine for rounding the edges of. C. F. Wallerstedt. No. 1,266,891; May 21; v. 250; p. 617.
Leather-cutting machine. J. C. Prims. No. 1,252,172; Jan. 1; v. 246; p. 213.
Leather-cutting machine. Pneumatic upper-. M. J. Sloan. No. 1,283,341; Oct. 29; v. 255; p. 1004.
Leather-dampening machine. E. B. Ayres. No. 1,259,199; Mar. 12; v. 248; p. 401.
Leather-dressing. E. Droulard. No. 1,278,886; Sept. 17; v. 254; p. 476.
Leather, Drying varnished patent-. E. Hintz. No. 1,269,931; June 18; v. 251; p. 569.
Leather edgewise, Machine for bending. J. N. Weimer. No. 1,255,366; Feb. 5; v. 247; p. 73.
Leather evening and grading machine. E. P. Nichols. No. 1,281,639; Oct. 15; v. 255; p. 475.
Leather-frames and the like, Device for supporting. E. H. Merrill. No. 1,275,066; Aug. 6; v. 253; p. 206.
Leather, Hand-grading machine for. E. P. Nichols. No. 1,278,722; Sept. 10; v. 254; p. 402.
Leather, Imitation. W. O. Stoddard, Jr. No. 1,262,132; Apr. 9; v. 249; p. 351.
Leather, Imitation. W. O. Stoddard, Jr. No. 1,262,133; Apr. 9; v. 249; p. 351.
Leather loops, Device for stapling. C. H. Grings. No. 1,256,553; Feb. 19; v. 247; p. 497.
Leather, Manufacture of. A. Obser. No. 1,268,876; June 11; v. 251; p. 246.
Leather-molding machine. J. J. Heys. No. 1,271,315; July 2; v. 252; p. 158.
Leather or the like, Treating. E. E. Winkley. No. 1,284,013; Nov. 5; v. 256; p. 150.
Leather, Producing artificial. C. E. Arnold. No. 1,257,665; Feb. 26; v. 247; p. 858.
Leather, Producing artificial. C. E. Arnold. No. 1,277,528; Sept. 3; v. 254; p. 54.
Leather, Producing artificial. F. Sparre. No. 1,257,756; Feb. 26; v. 247; p. 885.
Leather, Producing artificial. T. J. Turner. No. 1,269,339; June 11; v. 251; p. 376.
Leather-repairing machine. F. M. Furber. No. 1,285,672; Nov. 26; v. 256; p. 680.
Leather seasoning or finishing machine. J. U. Flanagan. No. 1,257,595; Feb. 26; v. 247; p. 838.
Leather-softening composition. K. H. Hunter. No. 1,257,355; Feb. 26; v. 247; p. 767.
Leather-staking machine. F. F. Slocomb. No. 1,268,637; June 4; v. 251; p. 162.
Leather-splitting machine. M. J. C. Walter and J. Maier. No. 1,264,232; Apr. 30; v. 249; p. 1020.
Leather-stamping machine. B. J. Miller. No. 1,256,351; Feb. 12; v. 247; p. 403.
Leather substitute and making the same. R. B. Respess. No. 1,276,113; Aug. 20; v. 253; p. 552.
Leather substitute, Manufacturing. A. Meier and H. Rall No. 1,287,387; Dec. 10; v. 257; p. 332.
Leather substitutes, Forming. E. Weinheim. No 1,263,171; Apr. 16; v. 249; p. 675.
Leather, Treating. E. P. Gilliland. No. 1,265,648; May 7; v. 250; p. 210.
Leather-treating composition. H. R. Mosnat. No. 1,277,242; Aug. 27; v. 253; p. 895.
Leather-treating composition. J. F. Winneur. No. 1,258,729; Mar. 12; v. 248; p. 265.
Leather, Utilizing waste. M. Reichmann. No. 1,257,025; Feb. 19; v. 247; p. 637.
Leather whitening and buffing machine. T. J. O'Keeffe. No. 1,260,436; Mar. 26; v. 248; p. 820.
Leather-working machine. L. F. Cutler. No. 1,267,853; May 28; v. 250; p. 914.
Leather-working machine. F. K. Russell. No. 1,268,158; June 4; v. 251; p. 25.
Leathers, Apparatus for making cup-. R. Milne. No. 1,288,111; Dec. 17; v. 257; p. 543.
Leathers, Charting and cutting upper-. A. L. McMaster. No. 1,264,670; Apr. 30; v. 249; p. 1142.
Leavening agent. F. B. La Forge. No. 1,288,428; Dec. 17; v. 257; p. 617.
Leaves and the like, Apparatus for stemming artificial. M. L. Beistle. No. 1,289,090; Dec. 31; v. 257; p. 831.
Lechuguilla, henequen, and analogous fibrous plants, Apparatus for cleaning. A. Aguilar. No. 1,277,816; Sept. 3; v. 254; p. 135.
Ledger and statement posting form, Combination. C. N. Jackson. No. 1,262,197; Apr. 9; v. 249; p. 370.
Ledger-holder. C. H. Bartlett. No. 1,253,567; Jan. 15; v. 246; p. 681.
Ledger, Loose-leaf. J. Schade. No. 1,270,978; July 2; v. 252; p. 65.
Ledger, Loose-leaf. J. Schade. No. 1,283,570; Nov. 5; v. 256; p. 34.
Ledger-rack. W. H. Monsarrat. No. 1,283,259; Oct. 29; v. 255; p. 983.
Ledger-sheet pocket for signature-cards. A. F. Motsch. No. 1,266,142; May 14; v. 250; p. 381.
Ledger, Visible-account bound. S. B. Kirtley. No. 1,276,229; Aug. 20; v. 253; p. 583.
Ledgers, Rack attachment for. A. Dom. No. 1,269,167; June 11; v. 251; p. 327.
Leer. W. L. Clause. No. 1,268,217; June 4; v. 251; p. 41.
Leg, Artificial. E. W. Babcock. No. 1,259,588; Mar. 19; v. 248; p. 543.
Leg. Artificial. P. Ingold. No. 1,281,165; Oct. 8; v. 255; p. 317.
Leg, Artificial. W. J. Schoneck. No. 1,284,473; Nov. 12; v. 256; p. 300.
Leg-mount. J. A. Johnson. No. 1,278,476; Sept. 10; v. 254; p. 334.
Legging. J. C. Beard. No. 1,270,364; June 25; v. 251; p. 711.
Legging. C. F. Bowman. No. 1,272,366; July 16; v. 252; p. 513.
Legging. H. W. Cook. No. 1,272,386; July 16; v. 252; p. 519.
Legging. H. H. Cutler. No. 1,273,586; July 23; v. 252; p. 875.
Legging. C. D'Angelo. No. 1,282,384; Oct. 22; v. 255; p. 718.
Legging. C. R. Lindenberg. No. 1,284,386; Nov. 12; v. 256; p. 278.
Legging. P. J. Savage. No. 1,279,764; Sept. 24; v. 254; p. 740.

Legging and retaining-hook, Combination. M. C. O'Bannon. No. 1,285,337; Nov. 19; v. 256; p. 556.
Legging, Army-. C. D'Angelo. No. 1,254,462; Jan. 22; v. 246; p. 957.
Legging, Combination-. J. Ascheim. No. 1,286,198; Dec. 3; v. 257; p. 4.
Legging-laces and the like, End-attaching means for. J Rosenfeld. No. 1,278,752; Sept. 10; v. 254; p. 409.
Leggings and the like, Instep-strap-attaching means for J. Rosenfeld. No. 1,278,751; Sept. 10; v. 254; p. 409
Leggings, Making combination-. J. Ascheim. No. 1,274,837; Aug. 6; v. 253; p. 141.
Leggings, Means for adjusting the size of. J. Sertner. No. 1,265,261; May 7; v. 250; p. 107.
Leggings, Mold for shaping. L. McKenna. No. 1,257,903; Feb. 26; v. 247; p. 928.
Lemonade-powder, Manufacture of. A. C. Braden. No 1,278,297; Sept. 10; v. 254; p. 288.
Lemon-squeezer. G. S. Jennings. No. 1,264,080; Apr. 23; v. 249; p. 944.
Lens. R. L. Gordon. No. 1,269,422; June 11; v. 251; p. 397.
Lens. H. W. Hess. No. 1,258,006; Mar. 5; v. 248; p. 17.
Lens. J. J. Madden. No. 1,263,333; Apr. 16; v. 249; p. 717.
Lens. M. A. Smith. No. 1,273,192; July 23; v. 252; p. 769.
Lens. H. H. Styll. No. 1,267,821; May 28; v. 250; p. 904.
Lens. E. D. Tillyer. No. 1,267,014; May 21; v. 250; p. 652.
Lens and diaphragm structure, Focusing-. H. L. Ide. No. 1,262,347; Apr. 9; v. 249; p. 411.
Lens-block. W. W. Essick. No. 1,268,556; June 4; v. 251; p. 138.
Lens centering and marking machine. L. W. Bugbee and G. H. Day. No. 1,281,506; Oct. 15; v. 255; p. 441.
Lens, Dimmer-. A. C. Wilson. No. 1,274,648; Aug. 6; v. 253; p. 89.
Lens, Endotoroidal. L. Bell. No. 1,275,204; Aug. 13; v. 253; p. 269.
Lens-frame. G. H. Day. No. 1,273,830; July 30; v. 252; p. 977.
Lens fusing, Bifocal-. M. A. Laabs. No. 1,282,877; Oct. 29; v. 255; p. 880.
Lens grinding and polishing machine. J. H. Hammon. No. 1,275,019; Aug. 6; v. 253; p. 192.
Lens-grinding machine. C. C. Allen. No. 1,282,722; Oct. 29; v. 255; p. 837.
Lens-grinding machine. F. W. Barnes. No. 1,270,770; July 2; v. 252; p. 5.
Lens-grinding machine. G. E. Pryor. No. 1,256,256; Feb. 12; v. 247; p. 374.
Lens-grinding machine. L. G. Simpson. No. 1,272,546; July 16; v. 252; p. 561.
Lens-grinding mechanism, Astigmatic-. L. G. Simpson. No. 1,287,479; Dec. 10; v. 257; p. 352.
Lens-grooving machine. F. B. Marchant. No. 1,254,253; Jan. 22; v. 246; p. 896.
Lens-holder. C. F. Jenkins. No. 1,258,621; Mar. 5; v. 248; p. 197.
Lens-locking apparatus. G. H. Flad. No. 1,284,283; Nov. 12; v. 256; p. 251.
Lens mount, Condensing-. A. C. Roebuck. No. 1,282,293; Oct. 22; v. 255; p. 693.
Lens-mount straps, Means for adjusting. C. M. Haynes. No. 1,263,412; Apr. 23; v. 249; p. 761.
Lens-mounting. J. H. Brown. No. 1,264,888; May 7; v. 250; p. 5.
Lens-mounting. H. E. Kirstein. No. 1,256,327; Feb. 12; v. 247; p. 395.
Lens-mounting. G. H. Lofland. No. 1,262,528; Apr. 9; v. 249; p. 462.
Lens, Ophthalmic. L. Bell. No. 1,253,998; Jan. 15; v. 246; p. 803.
Lens-post sleeve and forming the same. F. A. Stevens. No. 1,267,472; May 28; v. 250; p. 806.
Lens-rim for face-protectors. R. Malcom. No. 1,263,089; Apr. 16; v. 249; p. 652.
Lens, Rimless optical. W. W. Brilhart. No. 1,273,573; July 23; v. 252; p. 871.
Lens-screen. E. G. Johanson. No. 1,255,755; Feb. 5; v. 247; p. 186.
Lens sets, Holder for trial-. G. A. H. Kellner. No. 1,258,417; Mar. 5; v. 248; p. 137.
Lens-slotting machine. N. M. Baker and H. H. Styll. No. 1,282,022; Oct. 22; v. 255; p. 618.
Lens-surfacing apparatus, Reciprocating. J. H. Pearson. No. 1,288,156; Dec. 17; v. 257; p. 554.
Lens-testing instrument. C. J. Troppman. No. 1,281,717; Oct. 15; v. 255; p. 496.
Lens tray, Ophthalmic-test-. E. Kandler. No. 1,274,557; Aug. 6; v. 253; p. 62.
Lenses, Apparatus for grinding one-piece bifocal. C. C. Allen. No. 1,261,674; Apr. 2; v. 249; p. 193.
Lenses, Binder for. W. S. Hamm. No. 1,268,567; June 4; v. 251; p. 142.
Lenses, Edge-grinding machine for. E. M. Long. No. 1,272,474; July 16; v. 252; p. 542.
Lenses, &c., Focal-tester for eye-. O. Kuehn. No 1,280,045; Sept. 24; v. 254; p. 820.
Lenses, Machine for grinding compound. H. Clement. No. 1,260,872; Mar. 26; v. 248; p. 946.
Lenses, Mechanism for making bifocal. A. E. Paige. No. 1,269,568; June 11; v. 251; p. 437.
Letter-box, Compartment. J. A. Didschunelt. No. 1,284,259; Nov. 12; v. 256; p. 244.
Letter-carrier. C. E. Tichenor. No. 1,256,845; Feb. 19; 247; p. 583.
Letter-casting machine, Metallic-. F. W. Ayers. No. 1,272,887; July 16; v. 252; p. 661.
Letter-head. W. N. Winfield. No. 1,267,034; May 21; v. 250; p. 658.
Letter or package tying device. A. Kinghan. No 1,277,731; Sept. 3; v. 254; p. 111.
Letter-sheet and envelop. D. W. Drozd. No. 1,289,414; Dec. 31; v. 257; p. 913.
Letter-sheet and envelop, Combined. J. Finkenhagen. No. 1,288,548; Dec. 24; v. 257; p. 676.
Letter-sheet and envelop, Combined. R. L. Moore. No. 1,260,935; Mar. 26; v. 248; p. 963.
Letter-sheets or cards, Machine for the manufacture of multiple. A. and A. H. Holmes. No. 1,253,824; Jan. 15; v. 246; p. 755.
Lettering and decorating device. W. Fritz. No. 1,269,174; June 11; v. 251; p. 329.
Lettering-guide. J. M. Brouse. No. 1,279,241; Sept. 17 v. 254; p. 570.
Lettering-guide. F. Brown. No. 1,262,744; Apr. 16; v. 249; p. 552.
Levee-breaks, Repairing. C. De Meyer. No. 1,254,717; Jan. 29; v. 246; p. 1060.
Levees and embankments, Building. A. Perrilliat. No 1,279,150; Sept. 17; v. 254; p. 545.
Levees and embankments, Building. A. Perrilliat. No 1,279,151; Sept. 17; v. 254; p. 545.
Levees, Concurrently maintaining and cultivating. F. V. Wright. No. 1,262,898; Apr. 16; v. 249; p. 596.
Level. P. Budde. No. 1,273,027; July 16; v. 252; p. 699.
Level. H. D. Lichtensteiger. No. 1,280,253; Oct. 1; v. 255; p. 39.
Level. C. T. Madsen. No. 1,265,468; May 7; v. 250; p. 164.
Level. J. McArdle. No. 1,282,095; Oct. 22; v. 255; p. 638.
Level. J. A. Payne and H. E. Cunningham. No. 1,265,500; May 7; v. 250; p. 172.
Level. G. C. Powell. No. 1,286,767; Dec. 3; v. 257; p. 139.
Level. L. Saba. No. 1,288,212; Dec. 17; v. 257; p. 567.
Level. A. J. Skjonsbye. No. 1,265,823; May 14; v. 250; p. 290.
Level. F. D. Small. No. 1,256,737; Feb. 19; v. 247; p. 551.
Level. A. Veenstra. No. 1,270,074; June 18; v. 251; p. 607.
Level and guide, Builder's. J. M. Kemp. No. 1,251,785; Jan. 1; v. 246; p. 103.
Level and inclinometer, Combination. L. Spangler. No. 1,261,862; Apr. 9; v. 249; p. 278.
Level and plumb, Combined. W. Buczkowski. No. 1,256,435; Feb. 12; v. 247; p. 428.
Level and square, Line-. F. M. Stackpole. No. 1,279,776 Sept. 24; v. 254; p. 744.
Level clamp, Spirit-. J. E. Bridgman. No. 1,264,484; Apr. 30; v. 249; p. 1090.
Level device. C. F. Thullen. No. 1,281,096; Oct. 8; v. 255; p. 296.
Level for aeroplanes, Spirit-. J. A. Spencer. No. 1,264,705; Apr. 30; v. 249; p. 1151.
Level, Hand-. W. S. Fallis. No. 1,253,163; Jan. 8; v. 246; p. 534.
Level-indicator. H. S. Westbrook. No. 1,284,005; Nov. 5; v. 256; p. 148.
Level-indicator and signal. R. A. Goodwin. No. 1,280,015 Sept. 24; v. 254; p. 812.
Level, plumb, and gage, Combined. G. E. Waller. No. 1,261,658; Apr. 2; v. 249; p. 189.
Level, Spirit-. E. A. Marx, W. H. Lutes, H. G. Sweet, and F. L. Hand. No. 1,260,229; Mar. 19; v. 248; p. 725.
Level-testing rod, Stock-. B. S. Wohlgemuth. No. 1,281,468; Oct. 15; v. 255; p. 432.
Leveling device. E. A. Butler and W. A. Nichols. No. 1,254,574; Jan. 22; v. 246; p. 989.
Leveling device. A. Moser. No. 1,259,547; Mar. 19; v. 248; p. 531.
Leveling instrument. E. C. Bachfield. No. 1,256,097; Feb. 12; v. 247; p. 326.
Leveling instrument. A. P. Runge. No. 1,267,456; May 28; v. 250; p. 801.
Leveling-machine. A. E. Jevram and J. Gouldbourn. No. 1,275,562; Aug. 13; v. 253; p. 366.
Leveling-machine. T. H. Seely. No. 1,280,875; Oct. 8; v. 255; p. 237.
Leveling means for wheeled apparatus. J. E. Gross. No. 1,255,599; Feb. 5; v. 247; p. 140.
Lever. H. Uhlmann. No. 1,256,396; Feb. 12; v. 247; p. 417.
Lever, Cam-. W. H. Hayter. No. 1,281,000; Oct. 8; v. 255; p. 269.
Lever-clamp, Portable pivoted. E. M. Morse. No. 1,255,773; Feb. 5; v. 247; p. 191.

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Lever, Emergency-. E. E. Gray. No. 1,270,408; June 25; v. 251; p. 724.
Lever for steam-whistles and the like, Reversible. D. C. Jones. No. 1,260,775; Mar. 26; v. 248; p. 920.
Lever, Gear-shifting. G. A. E. Mellin. No. 1,256,244; Feb. 12; v. 247; p. 371.
Lever, Hand-. I. F. Selstrom. No. 1,257,749; Feb. 26; v. 247; p. 884.
Lever-lock. E. V. Hillburg. No. 1,256,132; Feb. 12; v. 247; p. 337.
Lever-lock. A. C. Hudgens. No. 1,275,031; Aug. 6; v. 253; p. 195.
Lever lock, Controlling-. E. Miller. No. 1,265,355; May 7; v. 250; p. 133.
Lever-lock mechanism, Gear-shift-. G. C. Jensen. No. 1,262,349; Apr. 9; v. 249; p. 412.
Lever-locking apparatus. G. C. Jensen. No. 1,262,202; Apr. 9; v. 249; p. 372.
Lever-locking apparatus. G. C. Jensen. No. 1,277,597 Sept. 3; v. 254; p. 73.
Lever-locking construction. G. C. Jensen. No. 1,275,038; Aug. 6; v. 253; p. 197.
Lever-locking construction. G. C. Jensen. No. 1,275,039; Aug. 6; v. 253; p. 198.
Lever-locking device. G. C. Jensen. No. 1,253,384; Jan. 15; v. 246; p. 629.
Lever-locking mechanism. G. C. Jensen. No. 1,262,200; Apr. 9; v. 249; p. 371.
Lever-locking mechanism. G. C. Jensen. No. 1,262,201; Apr. 9; v. 249; p. 371.
Lever-locking mechanism. G. C. Jensen. No. 1,262,203; Apr. 9; v. 249; p. 372.
Lever-locking mechanism, Lock-controlled. G. C. Jensen. No. 1,265,667; May 7; v. 250; p. 215.
Lever-locking unit. G. C. Jensen. No. 1,271,902; July 9; v. 252; p. 353.
Lever mechanism. L. Rodenhausen. No. 1,284,779; Nov. 12; v. 256; p. 375.
Lever-mounting. G. C. Jensen. No. 1,267,079; May 21; v 250; p. 670.
Lever-opening guard. V. P. Wilkins. No. 1,278,271 Sept. 10; v. 254; p. 281.
Lever-operating device. N. H. Craig. No. 1,258,653; Mar. 12; v. 248; p. 245.
Lever-operating mechanism. W. Taylor. No. 1,276,133; Aug. 20; v. 253; p. 557.
Lever-press. C. W. Judd. No. 1,270,620; June 25; v. 251; p. 783.
Lever set-works, Hand-. W. H. Trout. No. 1,278,566 Sept. 10; v. 254; p. 358.
Lever structure and lock for same. G. C. Jensen. No. 1,271,903; July 9; v. 252; p. 354.
Levers, Lock device for gear-shift. G. C. Jensen. No. 1,262,348; Apr. 9; v. 249; p. 411.
Levers, Locking unit for. G. C. Jensen. No. 1,270,834; July 2; v. 252: p. 22.
Library and dressing table, Combination. M. E. Fitzgerald. No. 1,272,245; July 9; v. 252; p. 452.
License-box, Night automatic. M. P. Marong. No. 1,260,228; Mar. 19; v. 248; p. 725.
License-holder and illuminating-light therefor. H. C. Kretz. No. 1,274,899; Aug. 6; v. 253; p. 159.
License-plate holder. W. F. Reilly. No. 1,259,555; Mar. 19; v. 248; p. 534.
License plate or tag. P. F. Haberstick. No. 1,264,064; Apr. 23; v. 249; p. 939.
Lid-clamp for cases or crates. W. H. Becker. No. 1,286,503; Dec. 3; v. 257; p. 79.
Lid or cover support. J. Ledwinka. No. 1,264,310; Apr. 30; v. 249; p. 1040.
Lid-prop. R. J. Prettie. No. 1,267,451; May 28; v. 250; p. 800.
Lid-support. G. W. Beadle. No. 1,280,637; Oct. 8; v. 255; p. 170.
Lid-support. C. Bratt and C. M. Holcomb. No. 1,259,075; Mar. 12; v. 248; p. 366.
Life-belt. S. P. Bjerre. No. 1,275,647; Aug. 13; v. 253; p. 390.
Life-belt. M. Halperin. No. 1,259,978; Mar. 19; v. 248; p. 657.
Life-boat. H. Fisher. No. 1,265,186; May 7; v. 250; p. 88.
Life-boat. F. A. Graham. No. 1,278,141; Sept. 10; v 254; p. 245.
Life-boat. E. A. Harvey. No. 1,280,217; Oct. 1; v. 255; p. 29.
Life-boat. W. J. Hazelton. No. 1,270,616; June 25; v. 251; p. 782.
Life-boat. S. V. Martin. No. 1,263,583; Apr. 23; v. 249; p. 809.
Life-boat. D. A. Whitaker and H. W. Thayer. No. 1,273,298; July 23; v. 252; p. 796.
Life-boat. S. Yasulaitis. No. 1,277,522; Sept. 3; v. 254, p. 53.
Life-boat, Collapsible. H. L. Hayford. No. 1,265,195; May 7; v. 250; p. 90.
Life-boat grip. F. G. Erricson. No. 1,264,782; Apr. 30; v. 249; p. 1170.
Life-boat-releasing gear. C. S. Lenz. No. 1,280,497; Oct. 1; v. 255; p. 106.
Life-boat-releasing hook. E. T. Klippert. No. 1,268,361; June 4; v. 251; p. 83.
Life-boats, &c., Means for chocking and starting. J. S. Stockman. No. 1,275,101; Aug. 6; v. 253; p. 215.
Life-boats, Winch mechanism for raising and lowering. E. L. M. Sivard. No. 1,253,541; Jan. 15; v. 246; p. 673.
Life-buoy. T. S. Heyward. No. 1,253,034; Jan. 8; v. 246; p. 497.
Life-buoy. W. A. Smith. No. 1,256,488; Feb. 12; v. 247; p. 443.
Life-buoy, Passenger. Z. Taira and K. Masuda. No. 1,276,826; Aug. 27; v. 253; p. 784.
Life-line and launching device therefor. H. W. Trinkle. No. 1,282,323; Oct. 22; v. 255; p. 701.
Life-preserver. M. Baron. No. 1,253,122; Jan. 8; v. 246; p. 523.
Life-preserver. G. Bidonde. No. 1,282,527; Oct. 22; v. 255; p. 756.
Life-preserver. S. P. Edmonds. No. 1,272,336; July 9; v. 252; p. 478.
Life-preserver. L. Farr. No. 1,288,857; Dec. 24; v. 257; p. 749.
Life-preserver. C. Garrison. No. 1,271,154; July 2; v. 252; p. 112.
Life-preserver. C. Goodling. No. 1,285,127; Nov. 19; v. 256; p. 502.
Life-preserver. W. W. Haupt. No. 1,278,144; Sept. 10; v. 254; p. 246.
Life-preserver. J. B. and M. Kasser. No. 1,259,106; Mar. 12; v. 248; p. 375.
Life-preserver. W. G. Richardson. No. 1,252,842; Jan. 8; v. 246; p. 438.
Life-preserver. F. Stebbing. No. 1,273,687; July 23; v. 252; p. 901.
Life-preserver. E. E. Stösser. No. 1,257,044; Feb. 19; v. 247; p. 642.
Life-preserver. G. W. Upton. No. 1,269,982; June 18; v. 251; p. 582.
Life-preserver, Animal. M. Zofchak. No. 1,265,580; May 7; v. 250; p. 192.
Life-preserver suit. L. V. Keviczky. No. 1,289,476; Dec. 31; v. 257; p. 928.
Life-preserving suit. N. Moldovan, A. I. Madriss and A. Levitt. No. 1,265,234; May 7; v. 250; p. 100.
Life-raft. E. T. Flynn. No. 1,272,412; July 16; v. 252; p. 525.
Life-raft, Collapsible. H. L. Hayford. No. 1,263,764; Apr. 23; v. 249; p. 856.
Life-saving apparatus. L. A. Lamar and P. Borgan. No. 1,273,383; July 23; v. 252; p. 819.
Life-saving apparel. M. P. Vukosav. No. 1,268,806; June 4; v. 251; p. 209.
Life-saving device. A. Condurso. No. 1,264,275; Apr. 30; v. 249; p. 1031.
Life-saving device. J. Decowski. No. 1,289,123; Dec. 31; v. 257; p. 839.
Life-saving device. W. S. Groleau. No. 1,276,055; Aug. 20; v. 253; p. [illegible]
Life-saving device. W. T. McCoy. No. 1,289,843; Dec. 31; v. 257; p. 1017.
Life-saving device and appliance. R. J. Kee. No. 1,281,975; Oct. 15; v. 255; p. 565.
Life-saving garment. E. M. Lowy. No. 1,289,839; Dec. 31; v. 257; p. 1016.
Life-saving jacket. O. Beaumont. No. 1,270,686; June 25; v. 251; p. 800.
Life-saving mattress. A. Binnie. No. 1,270,368; June 25; v. 251; p. 712.
Life-saving pillow. A. Binnie. No. 1,270,367; June 25; v. 251; p. 712.
Life-saving raft. D. Hooper. No. 1,269,445; June 11; v. 251; p. 403.
Life-saving raft. M. Piosecki. No. 1,268,147; June 4; v. 251; p. 22.
Life-saving raft. P. Warminski. No. 1,263,824; Apr. 23; v. 249; p. 872.
Life-saving skirt. C. E. Crowell. No. 1,262,458; Apr. 9; v. 249; p. 442.
Life-saving suit. J. H. Cassidy. No. 1,271,017; July 2; v. 252; p. 75.
Life-saving suit. W. Gieracki. No. 1,253,370; Jan. 15; v. 246; p. 625.
Life-saving suit. T. Hatlori. No. 1,288,457; Dec. 17; v. 257; p. 625.
Life-saving suit. J. Kopeć. No. 1,262,358; Apr. 9; v. 249; p. 415.
Life-saving suit. W. Kostiw. No. 1,267,086; May 21; v. 250; p. 672.
Life-saving suit. J. E. Lepage. No. 1,271,045; July 2; v. 252; p. 83.
Life-saving suit. J. Niemiec. No. 1,257,014; Feb. 19; v. 247; p. 634.

Lifter: *See*—

Automobile-lifter.	Picture-lifter.
Brick-lifter.	Plate-lifter.
Can-lifter.	Post-lifter.
Can or jar lifter.	Pot and pan lifter.
Clothes-lifter.	Pot-lid lifter.
Cooking-utensil lifter.	Seat-lifter.
Cuspidor-lifter.	Spittoon-lifter.
Doughnut-lifter.	Stove-lid lifter.
Fish or fowl lifter.	Valve-lifter.
Invalid-lifter.	Valve-spring lifter.
Jar-lifter.	Window-lifter.
Pan-lifter.	

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Lifter and turner. W. L. Milliorn. No. 1,256,245; Feb. 12; v. 247; p. 371.
Lifter for fruit, vegetables, &c. E. F. Bubb. No. 1,267,336; May 21; v. 250; p. 740.
Lifting and lowering apparatus. W. F. Irrgang. No. No. 1,273,599; July 23; v. 252; p. 878.
Lifting and moving invalids, Device for. R. L. Floyd. 1,253,179; Jan. 8; v. 246; p. 539.
Lifting and swinging gate. E. Feltman. No. 1,257,334; Feb. 26; v. 247; p. 761.
Lifting and turning invalids, Mechanism for. R. L. Floyd. No. 1,273,600; July 23; v. 252; p. 878.
Lifting device. V. C. Hilliker. No. 1,274,546; Aug. 6; v. 253; p. 59.
Lifting device. C. E. Swingle. No. 1,264,579; Apr. 30; v. 249; p. 1116.
Lifting device. E. C. Weick. No. 1,277,670; Sept. 3; v. 254; p. 94.
Lifting-jack. H. I. Benedict. (Reissue.) No. 14,465; Apr. 23; v. 249; p. 965.
Lifting-jack. P. L. Billingsley. No. 1,269,153; June 11; v. 251; p. 323.
Lifting-jack. H. Carden. No. 1,260,510; Mar. 26; v. 248; p. 842.
Lifting-jack. D. Eley. No. 1,272,237; July 9; v. 252; p. 450.
Lifting-jack. F. L. Gormley. No. 1,276,902; Aug. 27; v. 253; p. 804.
Lifting-jack. F. L. Gormley. No. 1,287,966; Dec. 17; v. 257; p. 506.
Lifting-jack. W. Gries. No. 1,254,797; Jan. 29; v. 246; p. 1085.
Lifting-jack. G. O. Leopold. No. 1,286,361; Dec. 3; v. 257; p. 44.
Lifting-jack. R. B. Long. No. 1,265,219; May 7; v. 250; p. 96.
Lifting-jack. H. E. Maurer, Jr. No. 1,275,716; Aug. 13; v. 253; p. 409.
Lifting-jack. F. F. McBride. No. 1,286,041; Nov. 26; v. 256; p. 772.
Lifting-jack. R. T. Newton. No. 1,276,796; Aug. 27; v. 253; p. 777.
Lifting-jack. A. J. and L. Perkins. No. 1,260,030; Mar. 19; v. 248; p. 672.
Lifting-jack. J. W. Rees. No. 1,288,989; Dec. 24; v. 257; p. 782.
Lifting-jack. T. A. Richardson and E. Woodings. No. 1,269,644; June 18; v. 251; p. 490.
Lifting-jack. J. Sardo. No. 1,280,309; Oct. 1; v. 255; p. 55.
Lifting-jack. H. W. True. No. 1,279,182; Sept. 17; v. 254; p. 554.
Lifting-jack. R. B. Weber. No. 1,268,410; June 4; v. 251; p. 97.
Lifting-tray. A. G. Andrews. No. 1,279,071; Sept. 17; v. 254; p. 527.
Lifts and for building heel-blanks therefrom, Machine for cutting pieced. W. Wolfe and D. Parks. No. 1,268,908; June 11; v. 251; p. 255.
Lifts and for building logs or heel-blanks therefrom, Machine for cutting pieced. J. E. Mitchell. No. 1,252,136; Jan. 1; v. 246; p. 203.
Light: *See*—
Auto signal and tail light.
Auto tail-light.
Auto trouble-light.
Automobile-light.
Automobile tail-light.
Automobile turning-signal light.
Border-light.
Dirigible light.
Electric light.
Flash-light.
Headlight.
Illuminating-light.
Night-light.
Phonograph-light.
Reading-light.
Search-light.
Ship's light.
Sidewalk-light.
Signal-arm light.
Spot-light.
Street-light.
Vault-light.
Vehicle-curtain light.
Wall-light.
Light and air transmitting apparatus, Combined. D. M. Macduff. No. 1,254,520; Jan. 22; v. 246; p. 973.
Light attachment. C. A. B. Halvorson, Jr., and J. T. Beechlyn. No. 1,287,298; Dec. 10; v. 257; p. 310.
Light bracket. Automatic spot-. W. L. Kaufmann. No. 1,263,560; Apr. 23; v. 249; p. 802.
Light-buoy for attracting fish. J. Larson and J. A. Tollbom. No. 1,263,077; Apr. 16; v. 249; p. 648.
Light, Device for determining the actinic power of. F. M. Steadman. No. 1,274,464; Aug. 6; v. 253; p. 35.
Light-diffuser support. J. Berg. No. 1,281,485; Oct. 15; v. 255; p. 436.
Light-dimmer. F. A. Chenette. No. 1,271,278; July 2; v. 252; p. 149.
Light-dissolving device. J. W. and K. S. Brenkert. No. 1,282,743; Oct. 29; v. 255; p. 843.
Light-distributing device. D. Crownfield. No. 1,270,268; June 25; v. 251; p. 685.
Light-fixture. C. A. B. Halvorson, Jr. No. 1,267,865; May 28; v. 250; p. 918.
Light-focusing mechanism. W. S. Mayer. No. 1,276,791; Aug. 27; v. 253; p. 775.
Light-holder, Adjustable. R. D. H. Anderson. No. 1,283,446; Nov. 5; v. 256; p. 3.
Light, Preparation of compounds by aid of. W. O. Snelling. No. 1,285,823; Nov. 26; v. 256; p. 719.
Light-projecting apparatus. M. De Cristofaro. No. 1,280,968; Oct. 8; v. 255; p. 261.
Light-ray regulator. W. H. Morehouse. No. 1,275,074; Aug. 6; v. 253; p. 208.
Light-rays refractor. E. G. Johanson. No. 1,263,065; Apr. 16; v. 249; p. 645.
Light-reflecting-bowl hanger. M. Herskovitz. No. 1,262,046; Apr. 9; v. 249; p. 328.
Light-reflecting bowls, Gravity-clamp for. C. E. Jones. No. 1,274,890; Aug. 6; v. 253; p. 157.
Light reflector and diffuser. H. Resnick. No. 1,261,617; Apr. 2; v. 249; p. 177.
Light-refracting glass. C. J. Gundlach. No. 1,277,065; Aug. 27; v. 253; p. 848.
Light-regulator. C. H. Allen. No. 1,262,427; Apr. 9; v. 249; p. 434.
Light-signal. E. J. Blake. No. 1,279,638; Sept. 24; v. 254; p. 703.
Light-support. G. F. Watson. No. 1,279,803; Sept. 24; v. 254; p. 752.
Light-switch, Automatic. J. F. Rippin. No. 1,281,210; Oct. 8; v. 255; p. 329.
Light-switch, Time-operated. S. G. Johnson. No. 1,277,082; Aug. 27; v. 253; p. 853.
Light-transmitting bowls and reflectors, Holder for. E. L. White. No. 1,252,067; Jan. 1; v. 246; p. 184.
Light-transmitting bowls, Hanger for. E. L. White. No. 1,275,809; Aug. 13; v. 253; p. 436.
Light-transmitting bowls, Holder for. E. L. White. No. 1,252,977; Jan. 8; v. 246; p. 478.
Lighter, Pocket-. C. Berberich. No. 1,289,614; Dec. 31; v. 257; p. 961.
Lighting apparatus. E. A. Hawthorne. No. 1,258,898; Mar. 12; v. 248; p. 314.
Lighting device, Semi-indirect-. A. S. Powell. No. 1,254,728; Jan. 29; v. 246; p. 1064.
Lighting-fixture. A. A. Austin. No. 1,253,458; Jan. 15; v. 246; p. 651.
Lighting-fixture. A. Bouchery. No. 1,257,973; Mar. 5; v. 248; p. 7.
Lighting-fixture. M. B. Bowen. No. 1,280,955; Oct. 8; v. 255; p. 257.
Lighting-fixture. F. Brueggeman. No. 1,270,261; June 25; v. 251; p. 683.
Lighting-fixture. W. E. Cochran. No. 1,286,535; Dec. 3; v. 257; p. 87.
Lighting-fixture. D. Crownfield. No. 1,263,531; Apr. 23; v. 249; p. 795.
Lighting-fixture. D. Crownfield. No. 1,265,885; May 14; v. 250; p. 308.
Lighting-fixture. F. M. Egan. No. 1,270,932; July 2; v. 252; p. 51.
Lighting-fixture. E. F. Guth. No. 1,283,162; Oct. 29; v. 255; p. 959.
Lighting-fixture. C. R. Hardy. No. 1,284,324; Nov. 12; v. 256; p. 262.
Lighting-fixture. B. Long and W. C. Burton. No. 1,254,247; Jan. 22; v. 246; p. 895.
Lighting-fixture. A. C. McWilliams. No. 1,287,375; Dec. 10; v. 257; p. 330.
Lighting-fixture. H. Pickhardt. No. 1,253,881; Jan. 15; v. 246; p. 771.
Lighting-fixture. M. B. Roller. No. 1,273,408; July 23; v. 252; p. 826.
Lighting-fixture. T. W. Rolph. No. 1,262,570; Apr. 9; v. 249; p. 474.
Lighting-fixture. E. L. White. No. 1,270,081; June 18; v. 251; p. 609.
Lighting-fixture joint. M. E. Surface. No. 1,281,698; Oct. 15; v. 255; p. 491.
Lighting fixtures, Bowl-hanger for semi-indirect-. G. A. Boomer. No. 1,260,863; Mar. 26; v. 248; p. 944.
Lighting-fixtures, Insulating-canopy for. L. A. Hufschmidt. No. 1,277,934; Sept. 3; v. 254; p. 165.
Lighting-fixtures, Swing-joint for. E. C. White. No. 1,279,807; Sept. 24; v. 254; p. 752.
Lighting socket and holder. H. H. Ashinger. No. 1,266,651; May 21; v. 250; p. 551.
Lighting system, Automatic. W. K. McIver. No. 1,288,947; Dec. 24; v. 257; p. 772.
Lighting system, Car-. L. A. Watson. No. 1,283,380; Oct. 29; v. 255; p. 1016.
Lighting system, Emergency. J. W. Jepson. No. 1,269,712; June 18; v. 251; p. 509.
Lighting system, Rear-. E. M. Travis. No. 1,278,794; Sept. 10; v. 254; p. 420.
Lighting systems, Circuit-controlling appliance for series incandescent-. W. C. H. Wefel. No. 1,280,914; Oct. 8; v. 255; p. 247.
Lightning-arrester. F. W. Adsit. No. 1,288,460; Dec. 24; v. 257; p. 653.
Lightning-arrester. Q. A. Brackett. No. 1,260,630; Mar. 26; v. 248; p. 878.
Lightning-arrester. S. C. Bryant. No. 1,260,750; Mar. 26; v. 248; p. 913.
Lightning-arrester. S. R. Buchanan. No. 1,283,651; Nov. 5; v. 256; p. 56.
Lightning-arrester. N. J. Conrad. No. 1,251,754; Jan. 1; v. 246; p. 94.
Lightning-arrester. F. W. Hays. No. 1,264,396; Apr. 30; v. 249; p. 1065.

Lightning-arrester. G. W. Kotts. No. 1,268,733; June 4; v. 251; p. 187.
Lightning-arrester. C. H. Martin. No. 1,271,050; July 2; v. 252; p. 84.
Lightning-arrester. J. F. Martin and H. N. Müller. No. 1,277,978; Sept. 3; v. 254; p. 177.
Lightning-arrester. J. R. McFarlin. No. 1,276,783; Aug. 27; v. 253; p. 773.
Lightning-arrester. J. R. McFarlin. No. 1,277,095; Aug. 27; v. 253; p. 856.
Lightning-arrester. H. A. Newcomb. No. 1,289,521; Dec. 31; v. 257; p. 938.
Lightning-arresters, Inertia-actuated charging device for electrolytic. Q. A. Brackett. No. 1,274,670; Aug. 6; v. 253; p. 95.
Lightning-protector. W. Dodd. No. 1,259,000; Mar. 12; v. 248; p. 345.
Lightning-protector. N. Tesla. No. 1,266,175; May 14; v. 250; p. 391.
Limb, Artificial. F. H. Critchley. No. 1,283,093; Oct. 29; v. 255; p. 940.
Limb, Artificial. H. A. Doty. No. 1,265,308; May 7; v. 250; p. 119.
Limb, Artificial. H. W. Karn. No. 1,258,908; Mar. 12; v. 248; p. 317.
Limb, Artificial. N. J. H. Kenney. No. 1,279,356; Sept. 17; v. 254; p. 603.
Limb, Artificial. M. Michajlov. No. 1,281,191; Oct. 8; v. 255; p. 323.
Limb, Artificial. M. E. Rice. No. 1,271,771; July 9; July 2; v. 252; p. 193.
Limb, Artificial. J. F. Rowley. No. 1,258,710; Mar. 12; v. 248; p. 260.
Limb, Artificial. M. Sakowski. No. 1,267,121; May 21; v. 250; p. 682.
Limb, Artificial. R. Scheibel. No. 1,265,965; May 14; v. 250; p. 332.
Limb, Artificial. E. Sweeney. No. 1,268,642; June 4; v. 251; p. 163.
Limb, Artificial. A. Zumaglini. No. 1,280,358; Oct. 1; v. 255; p. 68.
Limb joint, Artificial- D. W. Dorrance. No. 1,271,448; July 9; v. 252; p. 415.
Limb-support, Combination. A. G. Walters and A. J. Casey. No. 1,285,500; Nov. 19; v. 256; p. 597.
Limbs, Hinge-joint for artificial. J. F. Rowley. No. 1,269,004; June 11; v. 251; p. 282.
Limbs, Securing means for artificial. S. H. Waterman. No. 1,285,507; Nov. 19; v. 256; p. 599.
Limber. H. Jakobsson. No. 1,251,890; Jan. 1; v. 246; p. 134.
Lime-hydrating apparatus. A. Zimmerman. No. 1,255,682; Feb. 5; v. 247; p. 164.
Lime, Slaking. W. E. Carson. No. 1,277,855; Sept. 3; v. 254; p. 145.
Lime, Slaking. A. Zimmerman. No. 1,255,268; Feb. 5; v. 247; p. 44.
Lime with liquids, Process and apparatus for mixing dry-. J. W. Adams and O. H. Egge. No. 1,269,994; June 18; v. 251; p. 586.
Line-casting-machine matrix. F. D. Lea. No. 1,275,947; Aug. 13; v. 253; p. 474
Line-conductor support. W. D. Kyle. No. 1,282,876; Oct. 29; v. 255; p. 880.
Line-drying reel. R. D. Peters. No. 1,286,085; Nov. 26; v. 256; p. 782.
Line-fastener. F. T. Erbach. No. 1,274,862; Aug. 6; v. 253; p. 149.
Line-finder, Movable. A. C. Roebuck. No. 1,272,111; v. 252; p. 317.
Line hook and holding means. J. T. Cannon. No. 1,280,393; Oct. 1; v. 255; p. 78.
Line motion, Straight-. A. C. Kelle. No. 1,282,853; Oct. 29; v. 255; p. 874.
Line-reel. G. P. Bergevin. No. 1,272,361; July 16; v. 252; p. 512.
Line-shaft lubricator. J. B. Keating. No. 1,253,837; Jan. 15; v. 246; p. 759.
Line-spacing mechanism. H. A. Foothorap. No. 1,275,413; Aug. 13; v. 253; p. 326.
Line-switch. C. L. Goodrum. No. 1,257,338; Feb. 26; v. 247; p. 762.
Line-testing instrument. O. F. Tallman and F. E. Hubert. No. 1,257,651; Feb. 26; v. 247; p. 854.
Line-welds, Process and apparatus for producing. H. Geisenhöner. No. 1,264,058; Apr. 23; v. 249; p. 937.
Lineman's chair. G. Replogle. No. 1,264,975; May 7; v. 250; p. 29.
Lineman's device. D. Collins. No. 1,275,392; Aug. 13; v. 253; p. 321.
Lineman's tool. S. E. Aaron. No. 1,257,948; Feb. 26; v. 247; p. 940.
Linen, woolen, cotton, and other goods, Cleansing of. F. L. Bartelt. No. 1,267,737; May 28; v. 250; p. 880.
Lingerie-clasp. A. and C. H. Kestenman. No. 1,252,906; Jan. 8; v. 246; p. 456.
Lingerie-clasp. C. G. King. No. 1,280,237; Oct. 1; v. 255; p. 34.
Lining apparatus. H. H. Hancock. No. 1,276,060; Aug. 20; v. 253; p. 537.
Lining-cementing machine. J. H. McNeil. No. 1,260,928; Mar. 26; v. 248; p. 961.
Lining, Metal. A. A. Zeitler. No. 1,254,558; Jan. 22; v. 246; p. 985.
Link, Detachable. W. B. Schreyer. No. 1,252,184; Jan. 1; v. 246; p. 216.
Link, Elastic. J. J. Jacobs. No. 1,280,744; Oct. 8; v. 255; p. 200.
Link fabric. J. F. Daily. No. 1,257,323; Feb. 26; v. 247; p. 758.
Link fabric. H. Knickmeyer. No. 1,259,998; Mar. 19; v. 248; p. 662.
Link fabric. W. L. Mulken. No. 1,264,425; Apr. 30; v. 249; p. 1073.
Link, Fusible. C. Adams. No. 1,283,612; Nov. 5; v. 256; p. 45.
Link, Fusible. E. R. Leonard. No. 1,262,362; Apr. 9; v. 249; p. 416.
Link, Fusible. A. C. Rowley. No. 1,267,906; May 28; v. 250; p. 929.
Link mat. W. R. Woodward. (Reissue.) No. 14,452; Mar. 26; v. 248; p. 985.
Link mat. W. R. Woodward. (Reissue.) No. 14,476; May 21; v. 250; p. 751.
Link, Sectional. J. M. Thomson. No. 1,283,972; Nov. 5; v. 256; p. 140.
Link-stacking device. H. E. Hayward. No. 1,256,898; Feb. 19; v. 247; p. 599.
Link track, Endless. W. Turnbull. No. 1,282,326; Oct. 22; v. 255; p. 702.
Linkwork-joint. L. Coatalen. No. 1,251,965; Jan. 1; v. 246; p. 154.
Linoleum machines, Construction of punching and die plates for inlaid-. C. H. Scott. No. 1,260,820; Mar. 26; v. 248; p. 932.
Linotype-clamp. L. H. Dietzel. No. 1,266,776; May 21; v. 250; p. 586.
Linotype-machine. C. L. Friel. No. 1,263,316; Apr. 16; v. 249; p. 713.
Linotype-machine. G. E. Marlatt. No. 1,266,969; May 21; v. 250; p. 639.
Linotype-machine. C. L. Mohr. No. 1,264,541; Apr. 30; v. 249; p. 1106.
Linotype-machine. C. C. Randall. No. 1,253,726; Jan. 15; v. 246; p. 727.
Linotype-machines, Slug-sawing attachment for. G. L. Curle. No. 1,287,900; Dec. 17; v. 257; p. 490.
Linotype-machines, Type-casting mechanism for. G. E. Marlatt. No. 1,263,265; Apr. 16; v. 249; p. 699.
Linters and similar machines, Idler-pulley attachment for. N. B. Henry. No. 1,262,044; Apr. 9; v. 249; p. 327.
Linters, Separating mechanism for. H. E. Sessions. No. 1,276,975; Aug. 27; v. 253; p. 823.
Lip-rouge mold. W. G. Kendall. No. 1,286,651; Dec. 3; v. 257; p. 114.
Lip-turning device. S. J. Wentworth. No. 1,282,340; Oct. 22; v. 255; p. 706.
Liquid, Aerating. F. B. Kollberg and M. Kraut. No. 1,261,556; Apr. 2; v. 249; p. 161.
Liquid-container. A. S. Anderson. No. 1,271,988; July 9; v. 252; p. 380.
Liquid-container. G. W. Henricks. No. 1,282,575; Oct. 22; v. 255; p. 769.
Liquid-container-discharging mechanism. F. Riebel. No. 1,283,906; Nov. 5; v. 256; p. 124.
Liquid-container indicator. W. W. Balcom. No. 1,265,724; May 14; v. 250; p. 262.
Liquid containers, Safety device for combustible-. W. I. Davis. No. 1,266,665; May 21; v. 250; p. 555.
Liquid-containing receptacle. C. M. M. Houston. No. 1,261,028; Apr. 2; v. 249; p. 11.
Liquid containing suspended solids by another liquid, Replacing. G. Moore. No. 1,279,573; Sept. 24; v. 254; p. 685.
Liquid-cooler. A. K. Wood. No. 1,287,164; Dec. 10; v. 257; p. 276.
Liquid cooling and dispensing apparatus. C., Jr., and H. H. Doering. No. 1,266,667; May 21; v. 250; p. 556.
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Liquid-elevator. A. A. Atkins. No. 1,254,760; Jan. 29; v. 246; p. 1073.
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Liquid fuel, Igniting. A. Doble. No. 1,260,523; Mar. 26; v. 248; p. 846.
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Liquid-heater. M. S. Iglesias. No. 1,277,422; Sept. 3; v. 254; p. 26.
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Liquid-level alarm. R. A. Goodwin. No. 1,280,014; Sept. 24; v. 254; p. 811.
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Liquid-machine, Centrifugal. B. R. Wright. No. 1,277,676; Sept. 3; v. 254; p. 96.
Liquid material, Apparatus for manufacturing articles from. N. D. Crawford. No. 1,272,348; July 9; v. 252; p. 481.
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Liquid-meter. W. J. Chellew. No. 1,281,516; Oct. 15; v. 255; p. 444.
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Liquid raising or forcing apparatus. H. A. Humphrey. No. 1,265,784; May 14; v. 250; p. 279.
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Liquid rectifying and concentrating apparatus. D. S. Monteeth. No. 1,271,349; July 2; v. 252; p. 167.
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Liquid-treating apparatus. C. H. Campbell. No. 1,253,347; Jan. 15; v. 246; p. 618.
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Liquid. Vacuum feed device for elevating. W. Jay. No. 1,268,780; June 4; v. 251; p. 201.
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Automobile safety-lock.
Automobile - shifting - lever lock.
Automobile - starting-crank lock.
Automobile - steering - post lock.
Automobile-steering - wheel lock.
Automobile - transmission lock.
Awning-lock.
Bag-lock.
Ball nut-lock.
Bar-lock.
Bedstead-lock.
Bedstead corner-lock.
Bicycle-lock.
Bolt-lock.
Bolt and nut lock.
Bottle-lock.
Box-lock.
Brake-shoe-key lock.
Burglar-alarm door-lock.
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Cap-screw lock.
Car-door lock.
Chain-lock.
Clutch-pedal lock.
Coin-controlled lock.
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Combination-lock.
Corner-lock.
Cycle-lock.
Cylinder-lock.
Door-lock.
Drawer-lock.
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Electric - switch combination-lock.
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Elevator-lock.
Elevator-door lock.
Elevator safety-lock.
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Gate-lock.
Gear-lock.
Grease-box-plug lock.
Grease-cup-plug lock.
Hasp-lock.
Hood-lock.
Indicator-lock.
Key-lock.
Key-controlled lock.
Keyless lock.
Lever-lock.
Motor-lock.
Nut-lock.
Nut and bolt lock.
Oar-lock.
Padlock.
Permutation-lock.
Pocket-lock.
Portable lock.
Presser-foot lock.
Printer's galley-lock.
Recording-lock.
Reversible lock.
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Sash-lock.
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Seal-lock.
Spring-lock.
Steering-gear lock.
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Loom. F. Schwarz. No. 1,254,074; Jan. 22; v. 246; p. 846.
Loom attachment. J. A. Robison and H. E. Littlejohn. No. 1,272,532; July 16; v. 252; p. 558.
Loom, Automatic. J. Northrop. No. 1,259,768; Mar. 19; v. 248; p. 593.
Loom, Automatic filling-replenishing. F. T. Artz. No. 1,265,584; May 7; v. 250; p. 193.
Loom, Automatic filling-replenishing. J. Mills. No. 1,274,352; July 30; v. 252; p. 1122.
Loom, Automatic filling-replenishing. A. E. Rhoades. No. 1,283,560; Nov. 5; v. 256; p. 32.
Loom, Automatic filling-replenishing. A. E. Stafford. No. 1,283,587; Nov. 5; v. 256; p. 38.
Loom, Automatic weft-replenishing. E. H. Ballou. No. 1,272,601; July 16; v. 252; p. 578.
Loom button, Oar-. F. C. Howard. No. 1,286,005; Nov. 26; v. 256; p. 764.
Loom-check. I. T. Prosser. No. 1,255,635; Feb. 5; v. 247; p. 151.
Loom checking-motion. W. F. Stegall. No. 1,256,387; Feb. 12; v. 247; p. 415.
Loom controlling mechanism. J. Regan. No. 1,259,668; Mar. 19; v. 248; p. 564.
Loom element. H. I. Morris. No. 1,276,945; Aug. 27; v. 253; p. 815.
Loom element. H. I. Morris. No. 1,281,053; Oct. 8; v. 255; p. 284.
Loom, Feeler-. J. Northrop. No. 1,286,392; Dec. 3; v. 257; p. 51.
Loom, Feeler-. J. Northrop. No. 1,286,393; Dec. 3; v. 257; p. 51.
Loom feeler device. A. E. Rhoades. No. 1,278,802; Sept. 10; v. 254; p. 422.
Loom feeler mechanism. A. E. Rhoades. No. 1,286,412; Dec. 3; v. 257; p. 56.
Loom feeler-motion. P. Boisvert. No. 1,289,626; Dec. 31; v. 257; p. 964.
Loom feeler-motion. A. E. Rhoades. No. 1,262,565; Apr. 9; v. 249; p. 473.
Loom filling-feeler. S. S. Jackson. No. 1,284,691; Nov. 12; v. 256; p. 353.
Loom, Filling-replenishing. W. H. Baker. No. 1,267,168; May 21; v. 250; p. 697.
Loom, Filling-replenishing. W. H. Baker. No. 1,277,357; Sept. 3; v. 254; p. 6.
Loom, Filling-replenishing. A. E. Rhoades. No. 1,287,102; Dec. 10; v. 257; p. 261.
Loom filling-replenishing mechanism. R. Crompton. No. 1,276,180; Aug. 20; v. 253; p. 570.
Loom for weaving cartridge-belts. E. R. Holmes. No. 1,259,625; Mar. 19; v. 248; p. 553.
Loom for weaving double-pile fabrics. G. F. Hutchins and H. Le Doux. No. 1,265,084; May 7; v. 250; p. 60.
Loom, Hand-. A. N. Shook. No. 1,274,948; Aug. 6; v. 253; p. 172.
Loom-harness. J. F. Matthews. No. 1,255,200; Feb. 5; v. 247; p. 25
Loom head-motion. A. H. Landry. No. 1,264,095; Apr. 23; v. 249; p. 948.
Loom let-off mechanism. J. Dupuis. No. 1,254,127; Jan. 22; v. 246; p. 862.
Loom pattern mechanism. E. R. Holmes. No. 1,283,187; Oct. 29; v. 255; p. 965.
Loom picker-check. J. S. Adams and M. Day. No. 1,265,985; May 14; v. 250; p. 337.
Loom picker-staff connection. M. Kohler. No. 1,288,926; Dec. 24; v. 257; p. 767.
Loom picker-stick. P. Fontaine. No. 1,283,134; Oct. 29; v. 255; p. 950.
Loom picker-stick check. W. S. Finch. No. 1,255,725; Feb. 5; v. 247; p. 177.
Loom picker-stick check. W. S. Finch. No. 1,255,830; Feb. 5; v. 247; p. 207.
Loom picker-stick check. E. B. Flowers and J. S. Friddle. No. 1,279,314; Sept. 17; v. 254; p. 591.
Loom. Pile-fabric. H. J. Hope. No. 1,287,997; Dec. 17; v. 257; p. 514.
Loom positive shuttle-motion. G. Crossland. No. 1,268,098; June 4; v. 251; p. 8.
Loom-reed. F. Stead. No. 1,258,494; Mar. 5; v. 248; p. 158.
Loom-shuttle. S. A. Bhisey. No. 1,284,568; Nov. 12; v. 256; p. 322.
Loom-shuttle. S. M. Ford. No. 1,272,650; July 16; v. 252; p. 593.
Loom-shuttle. J. H. Hearne. No. 1,264,925; May 7; v. 250; p. 14.
Loom-shuttle. A. Laverdiere. No. 1,276,084; Aug. 20; v. 253; p. 542.
Loom-shuttle. B. F. McGuiness. No. 1,268,136; June 4; v. 251; p. 19.
Loom-shuttle. W. J. Roberts. No. 1,259,294; Mar. 12; v. 248; p. 426.
Loom-shuttle. J. C. Sergeson. No. 1,278,034; Sept. 3; v. 254; p. 191.
Loom-shuttle. J. C. Shambow and G. H. Goldsmith. No. 1,276,582; Aug. 20; v. 253; p. 682.
Loom-shuttle. A. B. Weissenborn. No. 1,281,447; Oct. 15; v. 255; p. 426.
Loom shuttle-box. A. Kingsbacher and W. W. Macfarren. No. 1,275,701; Aug. 13; v. 253; p. 405.
Loom shuttle-placer. J. Regan and A. F. Morell. No. 1,259,667; Mar. 19; v. 248; p. 563.
Loom shuttle-placer and thread-cutter. B. F. McGuiness. No. 1,261,417; Apr. 2; v. 249; p. 121.
Loom shuttle-tension device. F. M. Rogers. No. 1,272,112; July 9; v. 252; p. 415.
Loom shuttle, Weaving-. R. Farnworth and T. T. Jackson. No. 1,286,969; Dec. 10; v. 257; p. 226.
Loom stop-motion. J. K. Lanning. No. 1,253,395; Jan. 15; v. 246; p. 633.
Loom stop-motion. J. L. Long. No. 1,282,893; Oct. 29; v. 255; p. 885.
Loom stop-motion. T. H. Rush. No. 1,253,632; Jan. 15; v. 246; p. 699.
Loom take-up mechanism. H. J. Hedler. No. 1,257,706; Feb. 26; v. 247; p. 870.

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Loom, Tapestry-. W. H. Cooper and C. H. Collins. No. 1,265,616; May 7; v. 250; p. 202.
Loom-temple. G. Lepage. No. 1,263,686; Apr. 23; v. 249; p. 836.
Loom-temple. H. F. Livermore. No. 1,268,737; June 4; v. 251; p. 188.
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Loom warp stop-motion. R. Crompton. No. 1,270,708; June 25; v. 251; p. 805.
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Loom weft-feeler. C. E. Nutting. No. 1,272,702; July 16; v. 252; p. 608.
Loom weft-feeler. H. A. Owen. No. 1,251,687; Jan. 1; v. 246; p. 74.
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Looms, Battery-feed for. E. S. Stimpson. No. 1,269,975; June 18; v. 251; p. 581.
Looms, Battery-feed for. E. S. Stimpson. (Reissue.) No. 14,504; Aug. 13; v. 253; p. 490.
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Looms, Change-box mechanism for. E. Smith. No. 1,266,171; May 14; v. 250; p. 389.
Looms, Card-holder for Jacquard. J. G. Hemmeter. No. 1,288,410; Dec. 17; v. 257; p. 613.
Looms, Chute for filling-replenishing. C. D. Brown. No. 1,287,862; Dec. 17; v. 257; p. 480.
Looms, Feeler device for. G. E. Whitehead and J. F. Marshall. No. 1,258,727; Mar. 12; v. 248; p. 265.
Looms, Feeler for automatic weaving-. E. M. V. Kirschner. No. 1,260,207; Mar. 19; v. 248; p. 719.
Looms, Feeler-motion for. H. A. Owen. No. 1,278,731; Sept. 10; v. 254; p. 404.
Looms, Feeler-motion for. H. A. Owen. No. 1,278,732; Sept. 10; v. 254; p. 404.
Looms, Feeler-motion for. E. S. Stimpson. No. 1,282,974; Oct. 29; v. 255; p. 908.
Looms, Filling-catcher for. W. H. Chase. No. 1,253,148; Jan. 8; v. 246; p. 530.
Looms, Filling-end-retaining means for weft-replenishing. A. E. Rhoades. No. 1,285,386; Nov. 19; v. 256; p. 568.
Looms, Filling-end-withdrawing means for weft-replenishing. C. H. Warren. No. 1,265,558; May 7; v. 250; p. 186.
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Looms, Friction let-off for. F. Lacey. No. 1,260,272; Mar. 19; v. 248; p. 738.
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Looms, Magazine for weft-replenishing. R. Crompton and W. E. Woodman. No. 1,270,707; June 25; v. 251; p. 804.
Looms, Mechanism for selecting, spooling, shearing, and drawing in yarns for Axminster. T. P. Walsh. No. 1,274,474; Aug. 6; v. 253; p. 39.
Looms, Metallic-reinforced picker for. A. M. Hamilton. No. 1,283,747; Nov. 5; v. 256; p. 81.
Looms, Misthreading device for. A. E. Rhoades. No. 1,285,385; Nov. 19; v. 256; p. 568.
Looms, Protector for automatic filling-replenishing. J. Towers. No. 1,285,844; Nov. 26; v. 256; p. 724.
Looms, Rocker-shaft bearing for. H. A. Davis. No. 1,278,443; Sept. 10; v. 254; p. 324.
Looms, Spring-stand for. G. Pfeiffer. No. 1,281,065; Oct. 8; v. 255; p. 288.
Looms, Temple thread-cutter for. E. S. Stimpson. (Reissue.) No. 14,420; Jan. 8; v. 246; p. 546.
Looms, Thread-parting mechanism for. E. A. and J. V. Cunniff. No. 1,258,656; Mar. 12; v. 248; p. 245.
Looms, Transfer mechanism for replenishing. C. T. Womack. No. 1,258,074; Mar. 5; v. 248; p. 36.
Looms, Tuft-yarn frame for. V. Gore. No. 1,272,656; July 16; v. 252; p. 595.
Looms, Weft clamping and parting mechanism for. E. F. Beaverstock. No. 1,265,590; May 7; v. 250; p. 195.
Looms, Weft clamping and parting mechanism for. E. F. Beaverstock. No. 1,265,591; May 7; v. 250; p. 195.
Looms, Weft-thread catcher and holder for automatic weft-replenishing. E. H. Ballou. No. 1,272,599; July 16; v. 252; p. 577.
Loop-forming press. E. Gnoeth. No. 1,285,680; Nov. 26; v. 256; p. 682.
Loop-setter. H. A. Larsen and A. C. Roebuck. No. 1,284,371; Nov. 12; v. 256; p. 274.
Loop-shield. F. B. La Belle. No. 1,272,464; July 16; v. 252; p. 539.
Looper and looper mechanism. G. B. Osterhout. No. 1,253,519; Jan. 15; v. 246; p. 668.
Looper mechanism. J. P. Weis. No. 1,264,585; Apr. 30; v. 249; p. 1118.
Looping-machine cutter. B. W. Loy. No. 1,265,689; May 7; v. 250; p. 221.
Loose-leaf device. K. L. Eddy. No. 1,256,450; Feb. 12; v. 247; p. 432.

Loose-leaf device. K. L. Eddy. No. 1,276,503; Aug. 20; v. 253; p. 660.
Loose-leaf device. C. E. Johnson. No. 1,272,963; July 16; v. 252; p. 681.
Loose-leaf holder. W. P. Pitt. No. 1,284,764; Nov. 12; v. 256; p. 372.
Loose-sheet holder or file. G. P. Wigginton. No. 1,284,520; Nov. 12; v. 256; p. 311.
Loss-preventing device. M. Spiller. No. 1,262,125; Apr. 9; v. 249; p. 349.
Low-water alarm. W. C. Blundell. No. 1,259,720; Mar. 19; v. 248; p. 579.
Lowering apparatus. L. P. Adams. No. 1,279,632; Sept. 24; v. 254; p. 702.
Lubricant-cup. G. L. Lang. No. 1,270.846; July 2; v. 252; p. 26.
Lubricants to axle-bearings, &c., Material for applying. J. R. Schrader. No. 1,279,019; Sept. 17; v. 254; p. 512.
Lubricants, Treating used. J. O. Handy. No. 1,281,354; Oct. 15; v. 255; p. 401.
Lubricants, Treating used. J. O. Handy. No. 1,281,355; Oct. 15; v. 255; p. 402.
Lubricating apparatus. G. C. Hester. No. 1,280,222; Oct. 1; v. 255; p. 30.
Lubricating apparatus. A. E. Johnson. No. 1,266,272; May 14; v. 250; p. 416.
Lubricating apparatus. F. Kollmann. No. 1,278,940; Sept. 17; v. 254; p. 491.
Lubricating apparatus. J. G. Utz. No. 1,251,941; Jan. 1; v. 246; p. 147.
Lubricating attachment. J. V. Washburne. No. 1,267,610; May 28; v. 250; p. 845.
Lubricating attachment for metal-working machines. C. J. B. Borgeson. No. 1,273,996; July 30; v. 252; p. 1024.
Lubricating device. C. A. Bacon. No. 1,278,289; Sept. 10; v. 254; p. 286.
Lubricating device. D. W. Barr. No. 1,259,474; Mar. 19; v. 248; p. 511.
Lubricating device. N. T. Cline and R. M. Long. No. 1,265,748; May 14; v. 250; p. 270.
Lubricating device. G. W. J. Crabb. No. 1,262,022; Apr. 9; v. 249; p. 321.
Lubricating device. P. Daimler. No. 1,269,582; June 18; v. 251; p. 472.
Lubricating device. G. M. Eaton. No. 1,266,564; May 21; v. 250; p. 525.
Lubricating device. A. J. Hall. No. 1,277,410; Sept. 3; v. 254; p. 22.
Lubricating device. P. J. Mason. No. 1,282,900; Oct. 29; v. 255; p. 887.
Lubricating device. P. C. Mitchell. No. 1,265,806; May 14; v. 250; p. 286.
Lubricating device. A. R. Pribil. No. 1,259,044; Mar. 12; v. 248; p. 358.
Lubricating device. J. C. Swaykus and A. Tkacz. No. 1,272,569; July 16; v. 252; p. 568.
Lubricating means. H. A. Huebotter. No. 1,262,798; Apr. 16; v. 249; p. 568.
Lubricating mechanism. E. Hove. No. 1,256,020; Feb. 12; v. 247; p. 303.
Lubricating mechanism. W. J. Tollerton. No. 1,282,321; Oct. 22; v. 255; p. 701.
Lubricating mechanism for pins. A. Winton. No. 1,280,117; Sept. 24; v. 254; p. 839.
Lubricating mechanism for piston-machines. G. D. Pogue. No. 1,254,535; Jan. 22; v. 246; p. 978.
Lubricating mechanism, Force-feed. F. L. Williams. No. 1,258,967; Mar. 12; v. 248; p. 334.
Lubricating refractory wires during drawing the same. K. Farkas. No. 1,253,362; Jan. 15; v. 246; p. 623.
Lubricating-spring. M. Kies. No. 1,260,911; Mar. 26; v. 248; p. 956.
Lubricating system. G. H. Conrad. No. 1,262,457; Apr. 9; v. 249; p. 442.
Lubricating system. C. A. F. Ducorron. No. 1,270,606; June 25; v. 251; p. 779.
Lubricating system. C. B. Kirkham. No. 1,286,345; Dec. 3; v. 257; p. 39.
Lubricating system for bearings. O. A. Wiberg. No. 1,257,773; Feb. 26; v. 247; p. 890.
Lubricating system for lubricating the flanges of track vehicle-wheels, Pneumatic. C. F. Hoofer. No. 1,278,657; Sept. 10; v. 254; p. 383.
Lubricating system, Force-feed. R. L. McIntosh. No. 1,270,182; June 18; v. 251; p. 636.
Lubricating systems, Level-indicator for. R. J. Robertson. No. 1,285,393; Nov. 19; v. 256; p. 570.
Lubrication. C. O. Bergstrom. No. 1,265,991; May 14; v. 250; p. 339.

Lubricator: *See*—
- Auto-rail-lubricator.
- Automatic lubricator.
- Automobile-lubricator.
- Bearing-lubricator.
- Engine-lubricator.
- Flange-lubricator.
- Force-feed lubricator.
- Graphite-feeding lubricator.
- Hub-lubricator.
- Journal-lubricator.
- Journal-box lubricator.
- Line-shaft lubricator.
- Locomotive flange-lubricator.
- Oil-lubricator.
- Piston and cylinder lubricator.
- Spindle-lubricator.
- Spring-leaf lubricator.
- Valve-stem lubricator.

Lubricator. L. A. and R. H. Biggar. No. 1,274,975; Aug. 6; v. 253; p. 180.
Lubricator. N. W. Cummins. No. 1,269,685; June 18: v. 251; p. 501.
Lubricator. J. Hebel. No. 1,256,315; Feb. 12; v. 247; p. 391.
Lubricator. F. M. Hill and F. A. Hoyt. No. 1,262,793; Apr. 16; v. 249; p. 567.
Lubricator. F. G. Hobart and C. B. Jahnke. No. 1,275,427; Aug. 13; v. 253; p. 329.
Lubricator. T. J. Holmes. No. 1,253,036; Jan. 8; v. 246; p. 497.
Lubricator. J. F. MacIndoe. No. 1,283,841; Nov. 5; v. 256; p. 106.
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Lubricator. C. G. Schondelmaier. No. 1,271,376; July 2; v. 252; p. 174.
Lubricator. B. H. Skelly. No. 1,269,869; June 18; v. 251; p. 554.
Lubricator. H. C. Smith. No. 1,277,656; Sept. 3; v. 254; p. 91.
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Lubricator. H. M. Stevens. No. 1,262,864; Apr. 16; v. 249; p. 587.
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Lubricator. F. D. Winkley. No. 1,267,302; May 21; v. 250; p. 731.
Lubricator-filler. G. W. Sturmer. No. 1,286,830; Dec. 3; v. 257; p. 153.
Lubricator-filler. R. W. Young. No. 1,260,117; Mar. 19; v. 248; p. 695.
Lubricator for elevator-guides and the like. C. Schenck, No. 1,274,942; Aug. 6; v. 253; p. 170.
Lug. E. C. Tecktonius. No. 1,270,461; June 25; v. 251; p. 739.
Lug. J. P. Wilson. No. 1,278,543; Sept. 10; v. 254; p. 353.
Lug-strap support. J. H. Allen. No. 1,252,215; Jan. 1; v. 246; p. 224.
Lug-strap support. W. E. Johnston. No. 1,288,609; Dec. 24; v. 257; p. 690.
Luggage-carrier. M. Teuber. No. 1,273,201; July 23; v. 252; p. 772.
Luggage-carrier, Folding. M. C. Kirkpatrick and C. S. Dobbs. No. 1,280,761; Oct. 8; v. 255; p. 205.
Luggage-fastener. C. R. Brawner. No. 1,270,921; July 2; v. 252; p. 48.
Lumber-bumper. J. H. Hall. No. 1,289,034; Dec. 24; v. 257; p. 792.
Lumber-bundling frame. C. A. Lohman. No. 1,271,046; July 2; v. 252; p. 83.
Lumber-curing kiln. L. Goode. No. 1,266,791; May 21; v. 250; p. 590.
Lumber-curing kiln. E. D. Sidman. No. 1,276,979; Aug. 27; v. 253; p. 824.
Lumber-guide. F. Jarvis. No. 1,281,383; Oct. 15; v. 255; p. 409.
Lumber-marker. E. F. Mitchell. No. 1,262,826; Apr. 16; v. 249; p. 576.
Lumber-marking device. J. G. McDonough. No. 1,288,082; Dec. 17; v. 257; p. 535.
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Lumber-marking device. J. G. McDonough. No. 1,288,084; Dec. 17; v. 257; p. 536.
Lumber-piler. F. O. Werden. No. 1,269,987; June 18: v. 251; p. 584.
Lumber-register. J. W. Haley and C. B. Yelton. No. 1,274,412; Aug. 6; v. 253; p. 20.
Lumber-sorting device. C. A. Lohman. No. 1,277,326; Aug. 27; v. 253; p. 916.
Lumber-stacking machine. J. Babcock. No. 1,274,839; Aug. 6; v. 253; p. 142.
Lumber-sticking apparatus. A. S. Nichols. No. 1,283,871; Nov. 5; v. 256; p. 115.
Lumber-trimming machines and the like, Bundling device for. E. B. Williamson. No. 1,253,447; Jan. 15; v. 246; p. 649.
Lumber-unpiling device. C. A. Lohman. No. 1,272,472; July 16; v. 252; p. 541.
Luminous indicating device and means for attaching same. S. A. E. Norring and V. C. Thorne. No. 1,269,636; June 18; v. 251; p. 489.
Lump-crusher, harrow, and roller, Combination. W. J. Uhan. No. 1,278,795; Sept. 10; v. 254; p. 421.
Lunch-box. C. R. H. Visscher. No. 1,267,940; May 28; v. 250; p. 938.
Lunch-box fastener. J. D. Gaines. No. 1,285,112; Nov. 19; v. 256; p. 499.
Lunch-box heater. L. Peterson. No. 1,266,853; May 21; v. 250; p. 607.
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Lunch-rolls. Machine for making. W. E. Wiseman. No. 1,265,853; May 14; v. 250; p. 299.
Lute. C. E. Ferris. No. 1,263,398; Apr. 23; v. 249; p. 757.
Luting composition and producing same. S. Tamari. No. 1,281,702; Oct. 15; v. 255; p. 492.
Luting or cementing composition. D. H. Reimuller. No. 1,269,116; June 11; v. 251; p. 313.
Lye from sulfite-cellulose manufacture, Dissociating waste. I. Söraas. No. 1,268,774; June 4; v. 251; p. 199.
Macaroni and spaghetti machine. V. G. Sangiorgio. No. 1,266,720; May 21; v. 250; p. 570.
Macaroni, &c., Cutting apparatus for. M. E. Kraybill. No. 1,286,028; Nov. 26; v. 256; p. 769.
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Macaroni-drying mechanism. L. Tavani and B. Santirocco. No. 1,255,350; Feb. 5; v. 247; p. 68.
Macaroni, &c., handling apparatus. M. E. Kraybill. No. 1,287,345; Dec. 10; v. 257; p. 321.
Macaroni-machines, Die-pin for. F. Penza. No. 1,262,385; Apr. 9; v. 249; p. 423.
Macaroni, &c., Manufacture of. M. E. Kraybill. No. 1,286,029; Nov. 26; v. 256; p. 769.
Macaroni or like alimentary pastes on rods or the like, Apparatus for arranging. P. Barducci. No. 1,257,966; Mar. 5; v. 248; p. 5.
Macaroni-press. F. Genovese. No. 1,280,438; Oct. 1; v. 255; p. 90.
Macaroni, spaghetti, and similar foods, Apparatus for drying. S. Viviano. No. 1,270,900; July 2; v. 252; p. 41.
Machine-bolt. H. Cadwallader, Jr. No. 1,282,538; Oct. 22; v. 255; p. 759.
Machine-clamp. W. C. Force. No. 1,255,729; Feb. 5; v. 247; p. 178.
Machine-center and the like. W. Goertz. No. 1,279,534; Sept. 24; v. 254; p. 673.
Machine-drill. C. E. Cox. No. 1,270,121; June 18; v. 251; p. 618.
Machine-drill. C. E. Cox. No. 1,275,857; Aug. 13; v. 253; p. 448.
Machine element. E. H. Curtis, Jr. No. 1,263,042; Apr. 16; v. 249; p. 637.
Machine-element key and the like. W. L. Mead. No. 1,262,370; Apr. 9; v. 249; p. 418.
Machine-frame. R. E. Galvin and H. C. Schumacher. No. 1,262,321; Apr. 9; v. 249; p. 403.
Machine-guard. G. F. Pross. No. 1,259,554; Mar. 19; v. 248; p. 533.
Machine-recorder. P. A. Cooney. No. 1,285,049; Nov. 19; v. 256; p. 483.
Machine-stand. L. Broemel. No. 1,272,613; July 16; v. 252; p. 582.
Machine-tool. C. Sandoz-Moritz. No. 1,279,741; Sept. 24; v. 254; p. 733.
Machine-tool and crane, Combined. L. I. Yeomans. No. 1,286,867; Dec. 3; v. 257; p. 161.
Machine-tool, Automatic. E. P. Bullard, Jr., and W. N. Stevens. No. 1,258,089; Mar. 5; v. 248; p. 41.
Machine-tool, Automatic. R. T. Hazelton and S. Einstein. No. 1,258,614; Mar. 5; v. 248; p. 195.
Machine-tool turrets, Stop mechanism for. W. K. Millholland. No. 1,270,187; June 18; v. 251; p. 638.
Machine-tools and the like, Work-holder for. A. H. Smith. No. 1,273,417; July 23; v. 252; p. 829.
Machine-tools, Device for holding work upon. L. Gross. No. 1,262,781; Apr. 16; v. 249; p. 564.
Machine-tools, Feed-works for. E. P. Bullard, Jr., and W. N. Stevens. No. 1,285,019; Nov. 19; v. 256; p. 476.
Machine-tools, Transmission mechanism for. F. A. Parsons. No. 1,270,862; July 2; v. 252; p. 31.
Machinery frame, Rotary-. J. B. Keating and R. Schorr. No. 1,263,561; Apr. 23; v. 249; p. 802.
Machinery, Guard or safety device for. O. Smith. No. 1,256,179; Feb. 12; v. 247; p. 352.
Machinery-housing. F. G. Alborn. No. 1,289,353; Dec. 31; v. 257; p. 897.
Machinery, Safety manipulating device for. R. J. Aldrich. No. 1,257,444; Feb. 26; v. 247; p. 791.
Magazine-indicator. C. W. Murphy. No. 1,251,910; Jan. 1; v. 246; p. 139.
Magazine mechanism. F. Müller. No. 1,252,929; Jan. 8; v. 246; p. 462.
Magazine mechanism. F. Müller. No. 1,273,902; July 30; v. 252; p. 998.
Magazine mechanism. F. Müller. No. 1,288,125; Dec. 17; v. 257; p. 546.
Magazine, Rotary. K. A. Bräuning. No. 1,281,497; Oct. 15; v. 255; p. 439.
Magnesia in granular form, Machine for making. A. Zanvettor. No. 1,251,612; Jan. 1; v. 246; p. 51.
Magnesium carbonate, Manufacturing. B. B. Grunwald. No. 1,285,683; Nov. 26; v. 256; p. 682.
Magnesium chlorid, Making. H. A. Galt. No. 1,262,939; Apr. 16; v. 249; p. 608.
Magnesium chlorids, Process and apparatus for preparing. C. Dantsizen. No. 1,276,499; Aug. 20; v. 253; p. 659.
Magnesium oxid from dolomite, &c., Obtaining. A. M. Mitchell. No. 1,273,110; July 16; v. 252; p. 720.
Magnesium, Production of. G. O. Seward. No. 1,258,261; Mar. 5; v. 248; p. 91.
Magnesium salts, Manufacturing. H. A. Galt. No. 1,262,938; Apr. 16; v. 249; p. 608.
Magnet control. A. D. Cardwell. No. 1,279,653; Sept. 24; v. 254; p. 709.

Magnet-core. G. W. Elmen. No. 1,286,965; Dec. 10; v. 257; p. 225.
Magnet-core. J. B. Speed. No. 1,274,952; Aug. 6; v. 253; p. 174.
Magnet, Electro-. L. D. Morris. No. 1,282,276; Oct. 22; v. 255; p. 688.
Magnet-operated switch. R. C. Emmerling, J. H. Wheelock, and C. J. Rohland. No. 1,271,873; July 9; v. 252; p. 345.
Magnet, Rotating field-. B. and F. Ljungström. No. 1,273,385; July 23; v. 252; p. 820.
Magnet, Rotating field-. B. and F. Ljungström. No. 1,273,511; July 23; v. 252; p. 854.
Magnet-tester. R. T. Carlson. No. 1,260,809; Mar. 26; v. 248; p. 945.
Magnetic-coil shield. T. Shaw. No. 1,251,700; Jan. 1; v. 246; p. 77.
Magnetic coils, Core for. L. Espenschied. No. 1,251,651; Jan. 1; v. 246; p. 63.
Magnetic iron product. T. D. Yensen. No. 1,277,524; Sept. 3; v. 254; p. 53.
Magnetic iron product and making same. T. D. Yensen. No. 1,277,523; Sept. 3; v. 254; p 53.
Magnetic-pulley separator. J. P. Bethke. No. 1,286,511; Dec. 3; v. 257; p. 81.
Magnetic retaining device. W. S. Thomas. No. 1,289,305; Dec. 31; v. 257; p. 885.
Magnetic separator. A. L. Hadley. No. 1,263,406; Apr. 23; v. 249; p. 759.
Magnetic separator. J. G. Sekinger. No. 1,259,788; Mar. 19; v. 248; p. 599.
Magnetic shunt. L. M. Killgore. No. 1,257,246; Feb. 19; v. 247; p. 700.
Magneto. W. W. Dean. No. 1,271,441; July 2; v. 252; p. 191.
Magneto. O. Heins and C. M. Wild. No. 1,264,931; May 7; v. 250; p. 16.
Magneto. L. J. Sevison. No. 1,266,063; May 14; v. 250; p. 358.
Magneto distributer-head. G. T. Dochtermann. No. 1,289,128; Dec. 31; v. 257; p. 840.
Magneto driving apparatus. C. H. Taylor and B. B. Neuteboom. No. 1,262,406; Apr. 9; v. 249; p. 428.
Magneto-electric generator. R. A. Oglesby. No. 1,262,692; Apr. 16; v. 249; p. 538.
Magneto-framing, One-piece. E. J. I. Salmson. No 1,281,666; Oct. 15; v. 255; p. 482.
Magneto-generator. E. B. Jacobson. No. 1,262,198; Apr. 9; v. 249; p. 371.
Magneto-governing device. R. M. Warren. No. 1,261,079; Apr. 2; v. 249; p. 25.
Magneto-impulser. R. K. Evans. No. 1,287,659; Dec. 17; v. 257; p. 430.
Magneto-machine. H. F. Geist. No. 1,267,755; May 28; v. 250; p. 884.
Magneto-machine. H. F. Geist. No. 1,275,901; Aug. 13; v. 253; p. 461.
Magneto, Multipolar. O. Heins. No. 1,256,795; Feb. 19; v. 247; p. 568.
Magneto, Multipolar. O. Heins. No. 1,256,796; Feb. 19; v. 247; p. 568.
Magnetos, Automatic timing mechanism for. H. Diehl. No. 1,273,044; July 16; v. 252; p. 704.
Magnetos, Casing for fly-wheel. H. R. Van Deventer. No. 1,283,373; Oct. 29; v. 255; p. 1014.
Magnetos, Removable condenser unit for. J. F. O. Stratton. No. 1,287,790; Dec. 17; v. 257; p. 463.
Magnifier. L. W. Bugbee. No. 1,264,267; Apr. 30; v. 249; p. 1029.
Magnifying-glass. A. P. Hochstein. No. 1,285,177; Nov. 19; v. 256; p. 516.
Mail-bag catcher. T. Davis. No. 1,260,5[illegible]; Mar. 26; v. 248; p. 845.
Mail-bag catcher. A. E. Roark. No. 1,267,697; May 28; v. 250; p. 869.
Mail-bag catcher. A. M. Ryan. No. 1,288,210; Dec. 17; v. 257; p. 567.
Mail-bag catcher. P. Zimbelmann. No. 1,290,003; Dec. 31; v. 257; p. 1056.
Mail bag catcher and deliverer. W. Mann. No. 1,263,784; Apr. 23; v. 249; p. 862.
Mail-bag catching and delivering apparatus. J. Stratton. No. 1,252,053; Jan. 1; v. 246; p. 180.
Mail-bag catching and delivering device. L. W. Price. No. 1,265,111; May 7; v. 250; p. 67.
Mail-bag-catching apparatus. J. H. Murray. No. 1,279,408; Sept. 17; v. 254; p. 616.
Mail-bag-catching device. B. O'Laughlin. No. 1,267,109; May 21; v. 250; p. 679.
Mail-bag-delivering apparatus. J. L. Kost. No. 1,266,824; May 21; v. 250; p. 599.
Mail-bag-delivering means. N. J. Auclair. No. 1,266,760; May 21; v. 250; p. 582.
Mail-bag delivery. A. Dunlop. No. 1,283,118; Oct. 29; v. 255; p. 946.
Mail-bag-delivery device. F. H. Kiser. No. 1,257,714; Feb. 26; v. 247; p. 874.
Mail-bag receiving and delivering apparatus. L. V. Eckert and J. F. Burke. No. 1,284,185; Nov. 5; v. 256; p. 197.
Mail-bag-transferring device. M. G. Schlacht. No. 1,284,469; Nov. 12; v. 256; p. 299.
Mail-bag-transferring mechanism. J. T. Campbell. No. 1,273,575; July 23; v. 252; p. 871.
Mail-bags, trunks, boxes, and the like, Lock for. C. Casper. No. 1,252,883; Jan. 8; v. 246; p. 449.
Mail-box. J. U. Carter. No. 1,289,661; Dec. 31; v. 257; p. 969.
Mail-box. F. P. De Nobili. No. 1,275,136; Aug. 6; v. 253; p. 224.
Mail-box. G. D. Fish. No. 1,256,543; Feb. 19; v. 247; p. 494.
Mail-box. J. F. Hayes. No. 1,287,012; Dec. 10; v. 257; p. 237.
Mail-box. A. Komrosky. No. 1,261,037; Apr. 2; v. 249; p. 14.
Mail-box. F. Kyle. No. 1,281,029; Oct. 8; v. 255; p. 278.
Mail-box. R. J. Oliver. No. 1,262,382; Apr. 9; v. 249; p. 422.
Mail-box. J. N. Schilling. No. 1,256,044; Feb. 12; v. 247; p. 309.
Mail-box. M. W. Smith. No. 1,264,700; Apr. 30; v. 249; p. 1149.
Mail-box. J. F. Tauber. No. 1,286,144; Nov. 26; v. 256; p. 796.
Mail-box. C. E. Travis. No. 1,256,080; Feb. 12; v. 247; p. 321.
Mail-box and discharge means therefor, Safety. A. Smith. No. 1,256,177; Feb. 12; v. 247; p. 351.
Mail-box attachment for holding coin. P. U. Ruby. No. 1,256,375; Feb. 12; v. 247; p. 410.
Mail-box hanger, Automatic. L. Vanhoof. No. 1,273,696; July 23; v. 252; p. 903.
Mail-box letter-indicator. C. E. Lucas. No. 1,262,816; Apr. 16; v. 249; p. 573.
Mail-box signal. W. D. Klees. No. 1,264,093; Apr. 23; v. 249; p. 947.
Mail-box support. W. T. Norvell. No. 1,281,062; Oct. 8; v. 255; p. 287.
Mail-box support. O. Wallam. No. 1,277,809; Sept. 3; v. 254; p. 133.
Mail-box time-indicator. W. A. and W. J. Barney. No. 1,268,667; June 4; v. 251; p. 170.
Mail-boxes, Coin and stamp attachment for. C. E. Thackray. No. 1,261,187; Apr. 2; v. 249; p. 55.
Mail bundle-tie. A. W. Hutchison and H. C. Warne. No. 1,252,577; Jan. 8; v. 246; p. 363.
Mail-carrier. J. Cunningham. No. 1,260,[illegible]7; Mar. 26; v. 248; p. 947.
Mail carrying and delivery device. Rural. E. T. Hudson. No. 1,284,348; Nov. 12; v. 256; p. 268.
Mail-catcher. F. W. and R. E. Knowles. No. 1,278,355; Sept. 10; v. 254; p. 303.
Mail-catcher. S. M. Wilson. No. 1,268,311; June 4; v. 251; p. 69.
Mail catcher and deliverer. J. W. White. No. 1,289,335; Dec. 31; v. 257; p. 892.
Mail catching and delivering means. C. H. White. No. 1,255,371; Feb. 5; v. 247; p. 75.
Mail-conveyer. J. Bilick. No. 1,256,432; Feb. 12; v. 247; p. 427.
Mail-crane. E. G. Livesay. No. 1,262,069; Apr. 9; v. 249; p. 333.
Mail-crane, Automatic. M. D. Huston. No. 1,255,753; Feb. 5; v. 247; p. 185.
Mail-delivering apparatus. O. W. Smirl. No. 1,268,400; June 4; v. 251; p. 94.
Mail-delivery apparatus. W. Lewis. No. 1,251,980; Jan. 1; v. 246; p. 158.
Mail-distributing system. S. B. Storer. No. 1,261,968; Apr. 9; v. 249; p. 307.
Mail-dumping device, Automatic. F. Pomeroy. No. 1,269,853; June 18; v. 251; p. 549.
Mail-exchanging device. H. E. Smith. No. 1,276,280; Aug. 20; v. 253; p. 598.
Mail-feeding device. M. J. Bigelow, C. C. Cadden, and J. Rehak. No. 1,256,975; Feb. 19; v. 247; p. 622.
Mail-marking machine. W. D. Jones. No. 1,288,020; Dec. 17; v. 257; p. 519.
Mail-marking machine and postage-meter. A. H. Pitney. No. 1,273,793; July 23; v. 252; p. 928.
Mail-order business, Means for facilitating the transaction of. W. L. Summerson. No. 1,256,183; Feb. 12; v. 247; p. 354.
Mail receiving and delivering apparatus. E. T. Hilbrands. No. 1,267,664; May 28; v. 250; p. 859.
Mail-transferring apparatus. G. Dean. No. 1,266,107; May 14; v. 250; p. 371.
Mail-transferring apparatus. W. H. White. No. 1,263,828; Apr. 23; v. 249; p. 874.
Mail-transporting apparatus. L. B. Self. No. 1,288,700; Dec. 24; v. 257; p. 713.
Mail vehicle or wagon. J. R. Pile. No. 1,259,127; Mar. 12; v. 248; p. 382.
Mailing-box. W. E. Drake. No. 1,278,884; Sept. 17; v. 254; p. 475.
Mailing-box. W. P. Talbot. No. 1,281,701; Oct. 15; v. 255; p. 491.
Mailing-cover for publications. J. A. Corcoran. No. 1,283,680; Nov. 5; v. 256; p. 64.
Mailing-folder. B. E. Moreland. No. 1,260,430; Mar. 26; v. 248; p. 818.
Mailing-folder. L. W. Young. No. 1,287,562; Dec. 10; v. 257; p. 373.

Mallet. C. W. Holbrook. No. 1,276,218; Aug. 20; v. 253; p. 581.
Malt product. H. G. Akers and W. B. Kaufmann. No. 1,256,634; Feb. 19; v. 247; p. 521.
Man-carrier. P. Kureczka. No. 1,271,176; July 2; v. 252; p. 119.
Mandolin-support. J. F. Vrubel. No. 1,272,583; July 16; v. 252; p. 573.
Mandrel. F. Casey. No. 1,255,134; Feb. 5; v. 247; p. 7.
Mandrel and the like. C. K. Tripp. No. 1,267,146; May 21; v. 250; p. 690.
Mandrel, Expanding. W. P. Aikin. No. 1,270,089; June 18; v. 251; p. 611.
Mandrel, Expansible. J. L. G. Dykes. No. 1,276,041; Aug. 20; v. 253; p. 531.
Mandrel for forming paper receptacles. D. J. Jennings. No. 1,273,497; July 23; v. 252; p. 850.
Mandrel-manipulator. W. M. Selkirk. No. 1,254,441; Jan. 22; v. 246; p. 951.
Mandrel, Ring-. J. Hinson. No. 1,264,519; Apr. 30; v. 249; p. 1099.
Mandrel, Split. L. G. Larsen. No. 1,265,793; May 14; v. 250; p. 282.
Mandrel-stripping machine. F. I. Ellis. No. 1,273,163; July 23; v. 252; p. 762.
Manganese and iron from water, Elimination of. V. Kobelt. No. 1,253,840; Jan. 15; v. 246; p. 760.
Manganese-compound depolarizer, Organic-. C. Ellis. No. 1,269,913; June 18; v. 251; p. 565.
Manganese compounds, Making. C. Ellis. No. 1,276,739; Aug. 27; v. 253; p. 763.
Manganese depolarizing-electrode, Non-conducting. C. Ellis. No. 1,272,407; July 16; v. 252; p. 524.
Manganese depolarizing material, Volume-stable. C. Ellis. No. 1,272,405; July 16; v. 252; p. 524.
Manganese-dioxid depolarizer, Polyacid-of-. C. Ellis. No. 1,269,916; June 18; v. 251; p. 566.
Manganese-dioxid depolarizing agent, Black-streak-. C. Ellis. No. 1,289,707; Dec. 31; v. 257; p. 984.
Manganese dioxid from ore containing the same, Separating. L. E. Sowers and P. S. Phillips. No. 1,277,144; Aug. 27; v. 253; p. 870.
Manganese dioxid from ores containing the same, Separator for separating. L. E. Sowers and P. S. Phillips. No. 1,277,145; Aug. 27; v. 253; p. 871.
Manganese dioxid, Making. C. Ellis and A. A. Wells. No. 1,269,915; June 18; v. 251; p. 566.
Manganese dioxid, Making conducting hydrated black. C. Ellis and A. A. Wells. No. 1,269,914; June 18; v. 251; p. 565.
Manganese from lean ores, Extracting. E. W. Haslup and B. A. Peacock. No. 1,279,108; Sept. 17; v. 254; p. 534.
Manganese peroxid, Preparing. M. L. Kaplan. No. 1,287,041; Dec. 10; v. 257; p. 245.
Manganese sulfate, Producing. E. W. Haslup. No. 1,279,110; Sept. 17; v. 254; p. 535.
Manger, Feed-. R. R. Shirley. No. 1,259,790; Mar. 19; v. 248; p. 600.
Manger-guard for calves and other animals. E. W. Kammer. No. 1,276,541; Aug. 20; v. 253; p. 671.
Manger-partition. J. B. Clay. No. 1,261,214; Apr. 2; v. 249; p. 62.
Mangle. E. Moeller. No. 1,268,990; June 11; v. 251; p. 278.
Manhole-cover. R. Golden. No. 1,287,290; Dec. 10; v. 257; p. 308.
Manhole-frame. H. T. Daniels. No. 1,257,324; Feb. 26; v. 247; p. 758.
Manicuring implement. J. E. Cook. No. 1,268,930; June 11; v. 251; p. 262.
Manicuring instrument. H. M. Struble. No. 1,289,952; Dec. 31; v. 257; p. 1044.
Manicuring preparations, Holder for. A. Moeller. No. 1,262,542; Apr. 9; v. 249; p. 466.
Manifold. W. L. Moreland. No. 1,289,868; Dec. 31; v. 257; p. 1023.
Manifold. A. F. Schroeder and R. R. Root. No. 1,271,779; July 9; v. 252; p. 319.
Manifold. R. A. Weinhardt. No. 1,252,636; Jan. 8; v. 246; p. 380.
Manifolds, Auxiliary steam-intake for intake-. C. D. Vincent. No. 1,253,910; Jan. 15; v. 246; p. 779.
Manifolding. A. A. Johnson. No. 1,273,863; July 30; v. 252; p. 986.
Manifolding device. H. Hanners. No. 1,254,592; Jan. 22; v. 246; p. 994.
Manifolding-register. P. A. Jackson. No. 1,275,262; Aug. 13; v. 253; p. 284.
Mantle-burner. S. J. Brown. No. 1,285,571; Nov. 19; v. 256; p. 614.
Mantle-cap and burner-cone. C. H. Smith. No. 1,255,653; Feb. 5; v. 247; p. 156.
Manual and power controlling mechanism, Combined. L. Imblum. No. 1,258,337; Mar. 5; v. 248; p. 112.
Manure and making it, New soluble and assimilable phosphate. E. Stoppani and V. Volpato. No. 1,267,473; May 28; v. 250; p. 806.
Manure-distributer. R. H. Hawkins. No. 1,275,683; Aug. 13; v. 253; p. 400.
Manure-loader. J. W. Harris. No. 1,284,667; Nov. 12; v. 256; p. 347.
Manure-loader. R. J. F. Teltzrow. No. 1,266,174; May 14; v. 250; p. 390.
Manure-loader, Power. J. W. Shea, Jr. No. 1,268,395; June 4; v. 251; p. 93.
Manure-spreader. E. Baseman. No. 1,278,091; Sept. 10; v. 254; p. 232.
Manure-spreader. N. J. Kemp. No. 1,282,854; Oct. 29; v. 255; p. 874.
Manure-spreader. J. H. Mott. No. 1,289,513; Dec. 31; v. 257; p. 936.
Manure-spreader. Y. Shirai. No. 1,286,430; Dec. 3; v. 257; p. 60.
Manure-spreader attachment. T. Felcyn. No. 1,259,089; Mar. 12; v. 248; p. 370.
Map-case. E. A. Walby. No. 1,284,828; Nov. 12; v. 256; p. 388.
Map-holder. T. Hanigsman. No. 1,283,165; Oct. 29; v. 255; p. 959.
Map-indicator. J. F. Toth. No. 1,276,835; Aug. 27; v. 253; p. 787.
Map, Relief-. M. Gerashshenevsky. No. 1,278,632; Sept. 10; v. 254; p. 377.
Map system and apparatus, Road-. J. W. Lewis. No. 1,272,817; July 16; v. 252; p. 641.
Maps and charts, Indicating apparatus for. J. H. A. Morichard. No. 1,279,403; Sept. 17; v. 254; p. 615.
Marble-projector. P. M. Knudsen. No. 1,279,712; Sept. 24; v. 254; p. 725.
Marble-shooter. G. C. Kennedy. No. 1,266,276; May 14; v. 250; p. 417.
Margin-stop indicator. A. C. Roebuck. No. 1,256,595; Feb. 19; v. 247; p. 509.
Marine motor. E. Bivert. No. 1,261,346; Apr. 2; v. 249; p. 101.
Marine motor. C. F. Moore. No. 1,252,360; Jan. 1; v. 246; p. 264.
Marine munition and the like. A. A. Barbosa. No. 1,278,420; Sept. 10; v. 254; p. 319.
Marine propulsion. H. T. Herr. No. 1,286,625; Dec. 3; v. 257; p. 108.
Marker, Land-. W. H. Holcomb. No. 1,279,544; Sept. 24; v. 254; p. 676.
Marking device. T. McGrath. No. 1,256,342; Feb. 12; v. 247; p. 400.
Marking device. E. Messerth. No. 1,287,390; Dec. 10; v. 257; p. 333.
Marking device for dressmakers. M. M. L. Clemens. No. 1,283,076; Oct. 29; v. 255; p. 936.
Marking device for ropes. M. C. Dodge. No. 1,282,390; Oct. 22; v. 255; p. 720.
Marking-gage. P. E. Peterson. No. 1,276,261; Aug. 20; v. 253; p. 592.
Marking laying hens, Device for. E. Tilden. No. 1,280,588; Oct. 1; v. 255; p. 132.
Marking-machine. J. A. Brandt. No. 1,263,198; Apr. 16; v. 249; p. 682.
Marking-machine. T. A. Coleman and P. Vredenburgh, Jr. No. 1,287,887; Dec. 17; v. 257; p. 486.
Marking-machine. G. Knight. No. 1,254,704; Jan. 29; v. 246; p. 1056.
Marking-machine. F. J. Martin. No. 1,262,223; Apr. 9; v. 249; p. 377.
Marking-machine. F. A. Putnam and P. I. Axford. No. 1,261,163; Apr. 2; v. 249; p. 48.
Marking machine, Textile-. B. Sherwood. No. 1,278,041; Sept. 3; v. 254; p. 193.
Marking pot and brush, Combined. C. C. McCombs. No. 1,254,714; Jan. 29; v. 246; p. 1059.
Marlinespike. J. E. Johannessen. No. 1,272,962; July 16; v. 252; p. 681.
Marlinespike. J. E. Johannessen and O. A. Waage. No. 1,274,272; July 30; v. 252; p. 1102.
Mask. R. E. Howard. No. 1,286,326; Dec 3; v. 257; p. 35.
Mask. M. Woloszczuk. No. 1,286,476; Dec. 3; v. 257; p. 73.
Mask, Face-. M. La Roche. No. 1,279,884; Sept. 24; v. 254; p. 775.
Mask, Mouth-. F. D. Spotswood. No. 1,265,129; May 7; v. 250; p. 72.
Mask, Tunnel-. J. C. Rhodes, G. E. Guffey, and J. G. Sheehan. No. 1,262,566; Apr. 9; v. 249; p. 473.
Mason's jointer. C. A. Perkins. No. 1,259,553; Mar. 19; v. 248; p. 533.
Masonry construction, Marine. H. A. Icke. No. 1,279,548; Sept. 24; v. 254; p. 677.
Masonry structures, Form for. M. L. King. No. 1,253,981; Jan. 15; v. 246; p. 798.
Masonry, Voussoirs for the construction of circular and arch. A. Dods. No. 1,269,065; June 11; v. 251; p. 299.
Massage apparatus, Electrical. A. Modern. No. 1,289,864; Dec. 31; v. 257; p. 1022.
Massage appliance. H. L. Hoard. No. 1,265,083; May 7; v. 250; p. 60.
Massage device. P. Beshgeturian. No. 1,281,487; Oct. 15; v. 255; p. 436.
Massage device. H. Hirota. No. 1,262,669; Apr. 16; v. 249; p. 531.
Massage device. H. Hirota. No. 1,268,573; June 4; v. 251; p. 143.

Massage implement. O. Leonard and A. T. Johnson. No. 1,255,028; Jan. 29; v. 246; p. 1151.
Massage implement, Abdominal-. W. C. J. Guilford. No. 1,253,233; Jan. 15; v. 246; p. 583.
Massage implement, Passive. W. C. J. Guilford. No. 1,253,231; Jan. 15; v. 246; p. 582.
Massage instrument, Thermochromatic ball-bearing. G. V. Hugo. No. 1,283,777; Nov. 5; v. 256; p. 88.
Massage-machine. J. P. Gardner. No. 1,265,074; May 7; v. 250; p. 57.
Massage-machine, Electric-vibrator. W. J. A. Kuehl. No. 1,255,895; Feb. 12; v. 247; p. 266.
Massage-vibrator. N. G. Nicoll. No. 1,279,138; Sept. 17; v. 254; p. 542.
Massaging apparatus. W. Shurtleff. No. 1,274,799; Aug. 6; v. 253; p. 130.
Massaging apparatus, Hand-operating. W. C. J. Guilford. No. 1,253,230; Jan. 15; v. 246; p. 582.
Massaging apparatus, Power-operated. W. C. J. Guilford. No. 1,253,232; Jan. 15; v. 246; p. 583.
Massaging machine, Foot-. W. C. J. Guilford. No. 1,253,229; Jan. 15; v. 246; p. 582.
Mast. A. Gray. No. 1,257,699; Feb. 26; v. 247; p. 868.
Mast and its applications, Pneumatic telescopic. M. Guichard. No. 1,264,063; Apr. 23; v. 249; p. 939.
Mast, Extensible. B. F. Seymour. No. 1,286,807; Dec. 3; v. 257; p. 148.
Master cut-over switch. J. B. Flogerzi. No. 1,273,211; July 23; v. 252; p. 774.
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Cushion-mat. Matrix-mat.
Door-mat.
Mat. R. L. Fuller. No. 1,256,783; Feb. 19; v. 247; p. 564.
Mat. A. C. Hayden. No. 1,285,155; Nov. 19; v. 256; p. 509.
Mat. A. C. Hayden. No. 1,288,409; Dec. 17; v. 257; p. 613.
Match. L. V. Aronson. No. 1,287,819; Dec. 17; v. 257; p. 470.
Match and packet therefor. A. W. Graham. No. 1,286,877; Dec. 3; v. 257; p. 164.
Match-book, &c., packing machine. J. C. Donnelly. No. 1,280,685; Oct. 8; v. 255; p. 184.
Match-books, Machine for making. M. Paridon. No. 1,272,510; July 16; v. 252; p. 552.
Match-box. H. V. Burandt. No. 1,259,484; Mar. 19; v. 248; p. 514.
Match-box. H. Chevela, Jr. No. 1,279,259; Sept. 17; v. 254; p. 575.
Match-box. G. J. Deines. No. 1,257,817; Feb. 26; v. 247; p. 903.
Match-box. A. Jensen. No. 1,282,696; Oct. 22; v. 255; p. 803.
Match-box. C. G. O. H. von Kohler. No. 1,286,158; Nov. 26; v. 256; p. 800.
Match-box. B. B. Konsynski. No. 1,270,301; June 25; v. 251; p. 694.
Match-box. J. La Follette. No. 1,287,702; Dec. 17; v. 257; p. 440.
Match-box. E. H. Mueller. No. 1,268,378; June 4; v. 251; p. 88.
Match-box. K. S. Strand. No. 1,281,870; Oct. 15; v. 255; p. 539.
Match-box and hanger, Combination. T. W. Stofer. No. 1,279,478; Sept. 17; v. 254; p. 635.
Match-box-filling machine. W. B. Hutchinson. No. 1,266,809; May 21; v. 250; p. 595.
Match-box guard. W. A. Fetsch. No. 1,265,069; May 7; v. 250; p. 55.
Match-box holder. J. Good. No. 1,285,126; Nov. 19; v. 256; p. 502.
Match-box holder. H. W. Goodnow. No. 1,274,409; Aug. 6; v. 253; p. 19.
Match box or case. B. Vom Eigen. No. 1,283,376; Oct. 29; v. 255; p. 1015.
Match-box shucks, Machine for making. H. C. Schumacher and W. A. Winters. No. 1,270,333; June 25; v. 251; p. 704.
Match-carrier. A. Kelley. No. 1,266,952; May 21; v. 250; p. 634.
Match case, Self-lighting. J. W. Wertz. No. 1,274,967; Aug. 6; v. 253; p. 177.
Match-dispenser. J. D. Byer. No. 1,289,112; Dec. 31; v. 257; p. 836.
Match-dispensing box. A. A. Phillips. No. 1,254,845; Jan. 29; v. 246; p. 1100.
Match-dispensing machine. J. G. Journeay. No. 1,261,402; Apr. 2; v. 249; p. 117.
Match-holder. A. R. Larrabee. No. 1,254,243; Jan. 22; v. 246; p. 893.
Match holder and dispenser. A. Eaton. No. 1,259,216; Mar. 12; v. 248; p. 405.
Match holder and dispenser. A. Eaton. No. 1,260,349; Mar. 26; v. 248; p. 795.
Match holder and dispenser. J. Ericson. No. 1,275,010; Aug. 6; v. 253; p. 189.
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Match-lighter. B. F. Williams. No. 1,288,782; Dec. 24; v. 257; p. 733.
Match-machine take-off mechanism. M. Paridon. No. 1,252,941; Jan. 8; v. 246; p. 467.
Match-machines, Delivery mechanism for. A. Kelley. No. 1,266,953; May 21; v. 250; p. 635.
Match-machines, Splint-impregnating means for. W. A. Fairburn. No. 1,255,999; Feb. 12; v. 247; p. 297.
Match-machines, Splint-impregnating means for. W. A. Fairburn. No. 1,256,000; Feb. 12; v. 247; p. 298.
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Match-safe, wind-shield, and striker, Combined. M. M. Deibel. No. 1,266,227; May 14; v. 250; p. 404.
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Match-stand. R. L. Whitener. No. 1,269,768; June 18; v. 251; p. 525.
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Matches and the like, Receptacle for. J. Morgan. No. 1,259,657; Mar. 19; v. 248; p. 561.
Material-compressing machine. R. B. Coleman. No. 1,260,514; Mar. 26; v. 248; p. 843.
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Materials and articles produced thereby, Treatment of. R. B. Price. No. 1,287,095; Dec. 10; v. 257; p. 259.
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Matter-holder. J. Müller and F. Kugler. No. 1,281,633; Oct. 15; v. 255; p. 474.
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Mattress fabric, Wire. J. L. Tandy. No. 1,259,315; Mar. 12; v. 248; p. 433.
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Mattress, Pneumatic. C. B. Robertson. No. 1,285,391; Nov. 19; v. 256; p. 570.
Mattress, Pneumatic. N. M. Takach. No. 1,282,980; Oct. 29; v. 255; p. 910.
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Measuring and cutting machine. C. R. Harkins. No. 1,259,231; Mar. 12; v. 248; p. 408.
Measuring and dispensing apparatus. D. A. Crawford. No. 1,279,661; Sept. 24; v. 254; p. 711.
Measuring and dispensing apparatus. P. Depew and W. A. Hilliard. No. 1,268,820; June 11; v. 251; p. 231.
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Measuring and dispensing apparatus, Liquid. S. R. Bashore. No. 1,262,595; Apr. 9; v. 249; p. 482.
Measuring and dispensing can. T. Uyehara. No. 1,261,072; Apr. 2; v. 249; p. 23.
Measuring and dispensing device. M. G. Bunnell. No. 1,286,223; Dec. 3; v. 257; p. 10.
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Measuring and dispensing liquid, Apparatus for. L. B. Thomas. No. 1,289,304; Dec. 31; v. 257; p. 885.
Measuring and filling apparatus, Combined. A. W. Nielsen. No. 1,271,749; July 9; v. 252; p. 312.
Measuring and filling machine. J. Newton. No. 1,262,380; Apr. 9; v. 249; p. 421.
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Measuring and registering device, Liquid. N. H. Steneck. No. 1,264,218; Apr. 30; v. 249; p. 1016.
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Measuring instrument, Electrical. W. Meyer. No. 1,257,514; Feb. 26; v. 247; p. 814.
Measuring instrument, Electrical. W. E. Porter. No. 1,262,558; Apr. 9; v. 249; p. 471.
Measuring instrument, Electrical. W. E. Porter. No. 1,267,266; May 21; v. 250; p. 722.
Measuring instrument, Electrical. R. Shand, No. 1,267,914; May 28; v. 250; p. 931.
Measuring instrument, Electrical. H. B. Taylor. No. 1,253,297; Jan. 15; v. 246; p. 601.
Measuring instrument, Electrical. H. E. Trent. (Reissue.) No. 14,464; Apr. 23; v. 249; p. 964.
Measuring instrument, Electrical. H. E. Trent. No. 1,282,497; Oct. 22; v. 255; p. 748.
Measuring instrument, Electrical. T. W. Varley. No. 1,274,822; Aug. 6; v. 253; p. 137.
Measuring instrument, Electromagnetic. J. S. Holliday. No. 1,259,515; Mar. 19; v. 248; p. 522.
Measuring instrument, Grade-. H. Hench. No. 1,255,744; Feb. 5; v. 247; p. 183.
Measuring instrument, High-voltage-. J. B. Whitehead. No. 1,259,696; Mar. 19; v. 248; p. 572.
Measuring instrument. Level and rule. T. S. De Lay. No. 1,274,696; Aug. 6; v. 253; p. 102.
Measuring instrument, Lumber-. J. E. R. Best. No. 1,275,370; Aug. 13; v. 253; p. 314.
Measuring instrument, Tailor's. T. Takahashi. No. 1,288,279; Dec. 17; v. 257; p. 583.
Measuring instrument, Tree-. G. A. Olin. No. 1,274,315; July 30; v. 252; p. 1112.
Measuring instruments, Dash-pot for. A. O. Benecke. No. 1,269,519; June 11; v. 251; p. 423.
Measuring instruments, Dash-pot for. A. O. Benecke. (Reissue.) No. 14,545; Nov. 5; v. 256; p. 203.
Measuring instruments, Terminal block for electrical. W. M. Bradshaw and W. G. Mylius. No. 1,289,374; Dec. 31; v. 257; p. 901.
Measuring liquids, Machine for. C. E. Mandeville. No. 1,255,452; Feb. 5; v. 247; p. 97.
Measuring-machine. G. F. Eason. No. 1,289,705; Dec. 31; v. 257; p. 983.
Measuring-machine. F. B. Yingling. No. 1,281,740; Oct. 15; v. 255; p. 502.
Measuring machine, Cloth-. N. Davis. No. 1,266,923; May 21; v. 250; p. 627.
Measuring-machine, Microscopic. M. Levy. No. 1,281,035; Oct. 8; v. 255; p. 279.
Measuring ribbon, Apparatus for. J. C. Gebhart. No. 1,273,766; July 23; v. 252; p. 921.
Measuring roller-machine, Automatic. T. Villamor. No. 1,258,724; Mar. 12; v. 248; p. 264.
Measuring-spigot. L. N. Savaria. No. 1,273,279; July 23; v. 252; p. 792.
Measuring system. R. W. E. Moore. No. 1,264,423; Apr. 30; v. 249; p. 1073.
Measuring system, Electrical. P. MacGahan. No. 1,258,630; Mar. 5; v. 248; p. 24.
Measuring tank, Liquid-. W. E. Sanders. No. 1,273,103; July 16; v. 252; p. 719.
Measuring tank, Liquid-fuel-. V. L. Helm. No. 1,270,291; June 25; v. 251; p. 691.
Measuring-tapes, Rail-clip for. F. T. Morse. No. 1,269,840; June 18; v. 251; p. 546.
Measuring textile fabric and computing the price thereof, Machine for. J. C. Gebhart. No. 1,252,258; Jan. 1; v. 246; p. 236.
Measuring textile fabric and computing the price thereof, Machine for. J. C. Gebhart. No. 1,252,340; Jan. 1; v. 246; p. 258.
Measuring textile fabric, Machine for. J. C. Gebhart. No. 1,280,012; Sept. 24; v. 254; p. 811.
Measuring textile fabrics, Machine for. J. C. Gebhart. No. 1,259,389; Mar. 12; v. 248; p. 454.
Measuring the feet, Device for. J. W. Arrowsmith. No. 1,288,795; Dec. 24; v. 257; p. 735.
Measuring the length of boots and shoes, Device for. J. A. Little. No. 1,279,560; Sept. 24; v. 254; p. 681.
Measuring the quantity of expired air, Apparatus for. H. Brown. No. 1,271,523; July 2; v. 252; p. 214.
Measuring the pitch of cylindrical and conical screws having threads of any section, Apparatus for. E. Perrin. No. 1,285,356; Nov. 19; v. 256; p. 561.
Measuring the weight of fluid quantities, Apparatus for. O. Anderson. No. 1,266,543; May 21; v. 250; p. 519.
Measuring voltages, Method of and means for. M. G. Newman. No. 1,254,620; Jan. 22; v. 246; p. 1003.
Measuring wave frequency, Instrument for. F. A. Hoschke, No. 1,278,470; Sept. 10; v. 254; p. 332.
Meat-block surfacer. J. M. and W. H. Densmore. No. 1,273,043; July 16; v. 252; p. 704.
Meat-chopper and the like. H. L. Johnston. No. 1,264,081; Apr. 23; v. 249; p. 944.
Meat-choppers, Grinder attachment for. R. N. Gravert. No. 1,275,245; Aug. 13; v. 253; p. 280.
Meat-choppers, Grindstone attachment for. A. Mitchell. No. 1,255,104; Jan. 29; v. 246; p. 1172.
Meat-clamp. R. D. Larcade. No. 1,260,688; Mar. 26; v. 248; p. 895.
Meat-curing. A. C. Legg. No. 1,280,772; Oct. 8; v. 255; p. 209.
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Meat-cutter. W. R. Woods and J. F. Langston. No. 1,258,517; Mar. 5; v. 248; p. 165.
Meat-cutting machine. E. M. Benton. No. 1,255,978; Feb. 12; v. 247; p. 291.
Meat-cutting machine. A. De Kleris. No. 1,272,253; July 9; v. 252; p. 448.
Meat-cutting machine. O. C. Schmidt. No. 1,253,892; Jan. 15; v. 246; p. 774.
Meat-grinders, Emery-wheel attachment for. H. Crocker. No. 1,286,948; Dec. 10; v. 257; p. 221.
Meat-holder. J. B. Mainville. No. 1,289,848; Dec. 31; v. 257; p. 1019.
Meat-pounder. V. J. Welcome. No. 1,272,743; July 16; v. 252; p. 619.
Meat, Preserving. E. H. Perdelwitz. No. 1,259,439; Mar. 12; v. 248; p. 468.
Meat-slicing machine. C. Lesquier. No. 1,287,361; Dec. 10; v. 257; p. 325.
Meat-slicing-machine feeding mechanism. J. Hopkinson and C. H. Maltby. No. 1,284,684; Nov. 12; v. 256; p. 351.
Meat-smoking trolley, Combination. A. N. Benn. No. 1,284,854; Nov. 12; v. 256; p. 395.
Meats, Curing. G. F. Doran. No. 1,259,376; Mar. 12; v. 248; p. 451.
Meats, Device for smoking. W. Fullard. No. 1,280,009; Sept. 24; v. 254; p. 810.
Meats for low-temperature cooking, Preparing. C. B. Trescott. No. 1,285,845; Nov. 26; v. 256; p. 724.
Meats, Retaining the juices in low-temperature-cooked. C. B. Trescott. No. 1,256,955; Feb. 19; v. 247; p. 617.
Mechanical movement. B. F. Bain. No. 1,286,494; Dec. 3; v. 257; p. 77.
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Mechanical movement. C. A. Case. No. 1,283,666; Nov. 5; v. 256; p. 60.
Mechanical movement. G. H. Cater. No. 1,254,981; Jan. 29; v. 246; p. 1138.
Mechanical movement. C. J. Coberly. No. 1,284,598; Nov. 12; v. 256; p. 330.
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Mechanical movement. H. E. Eberhardt. No. 1,268,551; June 4; v. 251; p. 137.
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Mechanical movement. W. Fisher. No. 1,279,529; Sept. 24; v. 254; p. 672.
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Mechanical movement. F. R. Jaeger. No. 1,252,698; Jan. 8; v. 246; p. 397.
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Mechanical movement. L. L. Ludington. No. 1,252,823; Jan. 8; v. 246; p. 432.
Mechanical movement. F. Maier. No. 1,284,733; Nov. 12; v. 256; p. 364.
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Mechanical movement. C. McCreary. No. 1,262,817; Apr. 16; v. 249; p. 573.
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Mechanical movement. C. Paull. No. 1,252,485; Jan. 8; v. 246; p. 336.
Mechanical movement. W. J. Payne. No. 1,278,734; Sept. 10; v. 254; p. 405.
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Metal bars, Machine for bending. M. H. McKenna. No. 1,277,235; Aug. 27; v. 253; p. 893.
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Metal wheel and making same. H. J. Gerwe. No. 1,258,403; Mar. 5; v. 248; p. 132.
Metal wheel, Cast-. G. Walther. No. 1,283,995; Nov. 5; v. 256; p. 146.
Metal wheel, Pressed-. O. G. Simmons. No. 1,282,305; Oct. 22; v. 255; p. 696.
Metal wheel, Pressed-. O. G. Simmons. No. 1,282,306; Oct. 22; v. 255; p. 697.
Metal wheel, Sectional hollow. A. H. Trotter. No. 1,280,590; Oct. 1; v. 255; p. 132.
Metal work, Composite. L. S. Lachman. No. 1,278,480; Sept. 10; v. 254; p. 335.
Metal work, Producing embossed. I. J. E. Agren. No. 1,278,816; Sept. 17; v. 254; p. 457.
Metal-working apparatus. H. G. Davis. No. 1,275,867; Aug. 13; v. 253; p. 452.
Metal-working machine. R. V. Barry. No. 1,283,453; Nov. 5; v. 256; p. 4.
Metal-working machine. C. C. Craley. No. 1,285,628; Nov. 26; v. 256; p. 668.
Metal-working machine, Automatic. H. P. Townsend. No. 1,282,496; Oct. 22; v. 255; p. 748.
Metal-working machines, Feed mechanism for. H. P. Townsend. No. 1,257,550; Feb. 26; v. 247; p. 825.
Metal-working machines, such as lathes, planing-machines, shaping-machines, and the like, Tool post or holder for. C. L. Laureau. No. 1,259,531; Mar. 19; v. 248; p. 526.
Metal-working machines, Tool-holder for. J. W. Carr. No. 1,261,764; Apr. 9; v. 249; p. 251.
Metal-working press. C. A. Frahm. No. 1,285,104; Nov. 19; v. 256; p. 497.
Metal-working tool. C. O. Johnson. No 1,259,747; Mar. 19; v. 248; p. 587.
Metal-working tool. F. P. Lovejoy. No. 1,255,620; Feb. 5; v. 247; p. 146.
Metals, alloys, or other materials with protective coats of metals or alloys, Coating. F. A. Vaughn. No. 1,281,108; Oct. 8; v. 255; p. 299.
Metals and their alloys, Making castings of rare-earth. A. and M. Hirsch. No. 1,290,010; Dec. 31; v. 257; p. 1058.
Metals and their alloys, Making castings of rare-earth. A. and M. Hirsch. No. 1,290,011; Dec. 31; v. 257; p. 1058.
Metals, Case-hardening of. P. W. Shimer. No. 1,279,457; Sept. 17; v. 254; p. 629.
Metals, Case-hardening of. P. W. Shimer. No. 1,279,458; Sept. 17; v. 254; p. 629.
Metals, Cleaning. J. H. Gravell. No. 1,268,237; June 4; v. 251; p. 47.
Metals, Cutting-off tool for bar-. M. Owen. No. 1,272,508; July 16; v. 252; p. 551.
Metals, Electrodeposition of. A. G. Betts. No. 1,252,654; Jan. 8; v. 246; p. 385.
Metals from alloys, Recovering. J. H. Gillis. No. 1,260,661; Mar. 26; v. 248; p. 887.
Metals from ores, Extracting. C. Biesel. No. 1,276,102; Aug. 20; v. 253; p. 566.
Metals from ores, Process of and apparatus for extracting. F. L. Antisell. No. 1,282,521; Oct. 22; v. 255; p. 755.
Metals from ores, Recovering. H. E. Wood. No. 1,263,503; Apr. 23; v. 249; p. 788.
Metals from solution, Removing. R. Gahl. No. 1,269,418; June 11; v. 251; p. 396.
Metals from their ores at a temperature lower than the fusing-point of the metals to be extracted, Chemically extracting pure. F. G. Clark and A. T. Stuart. No. 1,269,054; June 11; v. 251; p. 297.
Metals from their ores, &c., Extracting. C. C. Nitchie. No. 1,258,934; Mar. 12; v. 248; p. 325.
Metals from their ores, Extraction of. E. M. Hamilton. No. 1,261,383; Apr. 2; v. 249; p. 112.
Metals from waste, Apparatus for reclaiming. E. E. Seacrist. No. 1,253,539; Jan. 15; v. 246; p. 673.
Metals in electric furnaces, Making. E. Humbert. No. 1,252,443; Jan. 8; v. 246; p. 323.
Metals, Producing. J. J. Boericke. No. 1,277,034; Aug. 27; v. 253; p. 839.
Metals, Producing. J. J. Boericke. No. 1,277,035; Aug. 27; v. 253; p. 839.
Metals, Production of finely-divided. T. A. Edison. No. 1,275,232; Aug. 13; v. 253; p. 276.
Metals, Separation of. G. W. Pawel and E. A. Rekate. No. 1,276,809; Aug. 27; v. 253; p. 780.
Metals, Shearing. A. J. Bates. No. 1,272,890; July 16; v. 252; p. 662.
Metals. Treating, molding, and casting. W. H. Millspaugh. No. 1,279,399; Sept. 17; v. 254; p. 614.
Metals under water, Apparatus for the autogenous working of. F. W. Brusch and W. F. J. Beyer. No. 1,278,429; Sept. 10; v. 254; p. 322.
Metallic articles, Apparatus for manipulating. R. B. and H. S. Thomas and W. R. Davies. No. 1,252,198; Jan. 1; v. 246; p. 220.
Metallic articles by heat, Box for treating. J. C. Henderson. No. 1,270,519; June 25; v. 251; p. 755.
Metallic articles, Forming. F. W. Guibert. No. 1,259,224; Mar. 12; v. 248; p. 407.
Metallic articles, Means for heat-treating. J. C. Henderson. No. 1,270,520; June 25; v. 251; p. 755.
Metallic box. J. R. Pearson. No. 1,252,489; Jan. 8; v. 246; p. 337.
Metallic composition. G. P. Kline. No. 1,285,231; Nov. 19; v. 256; p. 529.
Metallic compounds, Reducing. H. Foersterling. No. 1,283,716; Nov. 5; v. 256; p. 73.
Metallic construction. C. A. Fullerton. No. 1,267,207; May 21; v. 250; p. 707.
Metallic construction. W. H. Paeth. No. 1,282,710; Oct. 22; v. 255; p. 806.
Metallic cutting-machines, Blade-attaching device for. C. H. Driver. No. 1,281,148; Oct. 8; v. 255; p. 311.
Metallic fabric, Making. J. S. Barnes. No. 1,282,171; Oct. 22; v. 255; p. 661.
Metallic hollow ware, Quick-repair device for holes in. W. R. Jones. No. 1,285,210; Nov. 19; v. 256; p. 524.
Metallic joint. B. J. D. Blackmore. No. 1,272,000; July 9; v. 252; p. 384.
Metallic joint and making the same. H. A. Newcomb. No. 1,272,700; July 16; v. 252; p. 608.
Metallic lamellæ, Manipulating tenuous. W. E. Choate, No. 1,279,655; Sept. 24; v. 254; p. 709.
Metallic leaf, Composition for making. N. Gentzel. No. 1,253,956; Jan. 15; v. 246; p. 791.
Metallic leaf, Machine for applying. A. Brooke. No. 1,261,690; Apr. 2; v. 249; p. 198.
Metallic leaf, Machine for applying. A. Brooke. No. 1,279,977; Sept. 24; v. 254; p. 801.
Metallic oxids, Reducing. C. A. Pfanstiehl. No. 1,283,286; Oct. 29; v. 255; p. 990.
Metallic piston-packing. F. Wackenhuth. No. 1,279,948; Sept. 24; v. 254; p. 793.
Metallic roller. W. W. Watson. No. 1,287,152; Dec. 10; v. 257; p. 274.
Metallic structure, Composite. O. C. Rixson. No. 1,270,871; July 2; v. 252; p. 34.
Metallic sulfids, Production of. C. O. Griffith. No. 1,261,023; Apr. 2; v. 249; p. 10.
Metallic sulfids, Separation of mixed. L. Bradford. No. 1,274,505; Aug. 6; v. 253; p. 47.
Metallic table. T. R. Treiber. No. 1,268,183; June 4; v. 251; p. 31.
Metallic tie. E. H. Spalding. No. 1,258,488; Mar. 5; v. 248; p. 156.
Metallic tie and fastening means therefor. A. Robinson. No. 1,260,814; Mar. 26; v. 248; p. 930.

Metallic tube. A. L. Adams. No. 1,255,841; Feb. 12; v. 247; p. 251.
Metallic vehicle-wheel. A. L. Putnam. No. 1,280,297; Oct. 1; v. 255; p. 51.
Metallic wheel. M. Lachman. No. 1,256,579; Feb. 19; v. 247; p. 505.
Metallic wheel. A. L. Putnam. No. 1,266,155; May 14; v. 250; p. 384.
Metallizing process and apparatus. J. M. Longyear and J. T. Jones. No. 1,289,834; Dec. 31; v. 257; p. 1015.
Metallophone and zither, Combined. H. C. Marx. No. 1,272,832; July 16; v. 252; p. 645.
Metallurgical furnace. W. Buhl. No. 1,254,308; Jan. 22; v. 246; p. 913.
Metallurgical furnace. J. Kralund. No. 1,284,711; Nov. 12; v. 256; p. 358.
Metallurgical furnace. B. Zobel. No. 1,285,883; Nov. 26; v. 256; p. 734.
Metallurgical operations, Apparatus for carrying on. J. J. Boericke. No. 1,277,033; Aug. 27; v. 253; p. 838.
Metallurgical process. O. B. Dawson. No. 1,277,047; Aug. 27; v. 253; p. 842.
Metallurgical process. J. T. Jones. No. 1,288,422; Dec. 17; v. 257; p. 616.
Meter: *See*—
Battery-meter.
Compensating meter.
Compound meter.
Current fluid-meter.
Electric meter.
Electricity-meter.
Exposure-meter.
Flash-light meter.
Flow-meter.
Flow-indicating meter.
Fluid-meter.
Frequency-meter.
Gas-meter.
Gas-measuring meter.
Integrating-meter.
Liquid-meter.
Multiple orifice-meter.
Ohmmeter.
Photography exposure-meter.
Postage-meter.
Tension-meter.
Vacuum-tube voltmeter.
Water-meter.
Watt-hour meter.
Meter. L. E. Baker. No. 1,278,825; Sept. 17; v. 254; p. 459.
Meter. R. Crowder. No. 1,278,600; Sept. 10; v. 254; p. 368.
Meter. J. B. Davis. No. 1,266,417; May 14; v. 250; p. 454.
Meter. S. G. F. Haas. No. 1,256,687; Feb. 19; v. 247; p. 537.
Meter. W. S. Hadaway, Jr. No. 1,265,775; May 14; v. 250; p. 277.
Meter. M. Smithey. No. 1,252,622; Jan. 8; v. 246; p. 376.
Meter. M. Smithey. (Reissue.) No. 45,515; Aug. 27; v. 253; p. 923.
Meter. C. C. Thomas. No. 1,254,374; Jan. 22; v. 246; p. 932.
Meter. J. C. Wilson. No. 1,254,871; Jan. 29; v. 246; p. 1108.
Meter. J. C. Wilson. No. 1,257,568; Feb. 26; v. 247; p. 830.
Meter. J. C. Wilson. No. 1,260,498; Mar. 26; v. 248; p. 839.
Meter and instrument support. P. H. Bartlett. No. 1,269,996; June 18; v. 251; p. 586.
Meter-box. A. Bugbee. No. 1,277,373; Sept. 3; v. 254; p. 10.
Meter-box. A. Casper. No. 1,276,031; Aug. 20; v. 253; p. 528.
Meter-box. H. W. Clark. No. 1,265,053; May 7; v. 250; p. 51.
Meter-box. C. C. Fouts. No. 1,265,767; May 14; v. 250; p. 275.
Meter-box cover. J. W. Calhoun. No. 1,280,388; Oct. 1; v. 255; p. 76.
Meter-box fastener. J. H. Holmgreen. No. 1,256,563; Feb. 19; v. 247; p. 500.
Meter connection. J. J. Coyle. No. 1,287,895; Dec. 17; v. 257; p. 489.
Meter connection. R. D. Simpson. No. 1,284,160; Nov. 5; v. 256; p. 191.
Meter connections, Protective box for. C. D. Platt. No. 1,272,086; July 9; v. 252; p. 408.
Meter connections, Protector for. S. R. Payson. No. 1,260,025; Mar. 19; v. 248; p. 670.
Meter connector and hanger. E. Bartholomay. No. 1,282,024; Oct. 22; v. 255; p. 619.
Meter cut-out and testing device. E. A. Le Fever. No. 1,254,707; Jan. 29; v. 246; p. 1056.
Meter-panel. H. F. Krantz. No. 1,257,289; Feb. 19; v. 247; p. 714.
Meter-panel. H. F. Krantz. No. 1,277,321; Aug. 27; v. 253; p. 915.
Meter registering and recording instrument. E. G. Jay, Jr. No. 1,264,522; Apr. 30; v. 249; p. 1100.
Meters and means therefor, Method of setting. E. G. Jay, Jr. No. 1,271,901; July 9; v. 252; p. 353.
Meters, Antifreeze-hood for water-. E. H. Ford. No. 1,281,332; Oct. 15; v. 255; p. 394.
Meters, Frangible clamping-piece for frost-proof. C. G. De Laval. No. 1,269,064; June 11; v. 251; p. 299.
Meters, Lubrication system for rotary. C. P. Mayer. No. 1,254,054; Jan. 22; v. 246; p. 840.
Meters, Means for controlling orifice-. J. P. Fisher. No. 1,287,273; Dec. 10; v. 257; p. 304.
Metering devices, Lubricating means for. J. Wiechmann, No. 1,278,268; Sept. 10; v. 254; p. 280.
Metering-panel. H. H. Curtis. No. 1,265,998; May 14; v. 250; p. 340.
Methyl ester of acetyl salicylic acid, Forming. L. Thorp. No. 255,950; Feb. 12; v. 247; p. 282.
Mica-grinding machine. J. T. Griffin. No. 1,263,057; Apr. 16; v. 249; p. 642.
Microdeflectometer. W. Heusser. No. 1,278,148; Sept. 10; v. 254; p. 247.
Micrometer. W. F. Koch. No. 1,254,607; Jan. 22; v. 246; p. 999.
Micrometer. E. Wester. No. 1,267,946; May 28; v. 250; p. 940.
Micrometer. A. Zimmermann. No. 1,288,788; Dec. 24; v. 257; p. 734.
Micrometer-caliper thimble. F. O. Jaques, Sr. No. 1,252,009; Jan. 1; v. 246; p. 167.
Micrometer-calipers. H. S. Hubbell. No. 1,267,075; May 21; v. 250; p. 669.
Micrometer-calipers, Combination inside and outside. A. G. O. Hix. No. 1,269,932; June 18; v. 251; p. 569.
Micrometer depth-gage. F. A. Nelis. No. 1,266,977; May 21; v. 250; p. 642.
Micrometer-gage. J. T. Slocomb. No. 1,269,756; June 18; v. 251; p. 521.
Micrometer-gage. W. Watson. No. 1,283,997; Nov. 5; v. 256; p. 146.
Micrometer height-gage and indicator, Combined. W. B. Powell. No. 1,272,997; July 16; v. 252; p. 691.
Micrometer-indicator for tool-feeding mechanisms. E. Stubbs. No. 1,263,142; Apr. 16; v. 249; p. 667.
Micrometer, Universal. P. Lackner. No. 1,266,493; May 14; v. 250; p. 475.
Microphone, Differential. P. J. Hackett. No. 1,274,033; July 30; v. 252; p. 1035.
Microscope. W. L. Patterson and G. A. H. Kellner. No. 1,283,884; Nov. 5; v. 256; p. 118.
Microscope and object-holder, Combined. H. Haefliger. No. 1,267,862; May 28; v. 250; p. 917.
Microscope finder-slide. N. A. Cobb. No. 1,264,489; Apr. 30; v. 249; p. 1091.
Microscopes, Illuminator for. A. Silverman. No. 1,267,287; May 21; v. 250; p. 727.
Middlings-mill. A. Wolf. No. 1,274,829; Aug. 6; v. 253; p. 139.
Middlings mill or grinder. L. C. Winegardner. No. 1,286,865; Dec. 3; v. 257; p. 161.
Military or similar insignia. C. L. Semans and E. C. Heiligman. No. 1,282,471; Oct. 22; v. 255; p. 741.
Military ornament. J. A. Doran. No. 1,275,139; Aug. 6; v. 253; p. 225.
Milk and cream separator. B. W. Junk. No. 1,261,403; Apr. 2; v. 249; p. 117.
Milk and mail receptacle. N. R. White. No. 1,274,224; July 30; v. 252; p. 1089.
Milk and milk products, Apparatus for treating. J. J. Mojonnier. No. 1,255,329; Feb. 5; v. 247; p. 62.
Milk and producing same, Dried. C. H. Campbell. (Reissue.) No. 14,567; Dec. 17; v. 257; p. 625.
Milk and the like, Treating. N. D. Nielsen. No. 1,274,750; Aug. 6; v. 253; p. 117.
Milk-boiler. S. K. Horvath. No. 1,287,318; Dec. 10; v. 257; p. 314.
Milk-boiler. J. Kostolek. No. 1,255,021; Jan. 29; v. 246; p. 1149.
Milk-boiler. J. Kostolek. (Reissue.) No. 14,460; Apr. 23; v. 249; p. 958.
Milk-boiler. J. Tóth. No. 1,264,348; Apr. 30; v. 249; p. 1051.
Milk-box, Sanitary. H. Dixon and A. Thiele. No. 1,261,220; Apr. 2; v. 249; p. 63.
Milk-can. H. G. Nelson. No. 1,258,036; Mar. 5; v. 248; p. 26.
Milk can and bottle opener. M. M. Harding. No. 1,284,666; Nov. 12; v. 256; p. 347.
Milk-centrifuges and the like, Lubrication of. H. Holte. No. 1,281,572; Oct. 15; v. 255; p. 458.
Milk-cooler, Iceless. R. E. Meatyard. No. 1,256,583; Feb. 19; v. 247; p. 506.
Milk-cooling apparatus. V. S. K. Petersen. No. 1,273,404; July 23; v. 252; p. 825.
Milk-cooling can. H. M. Smith. No. 1,276,982; Aug. 27; v. 253; p. 825.
Milk, cream, and other liquids, Apparatus for pasteurizing, cooling, and ripening. F. Chadima. (Reissue.) No. 14,512; Aug. 27; v. 253; p. 922.
Milk-evaporating apparatus. J. H. Mason. No. 1,254,423; Jan. 22; v. 246; p. 946.
Milk-food product and making the same. W. P. M. Grelck. No. 1,272,035; July 9; v. 252; p. 393.
Milk-jar stand. A. W. Tate. No. 1,280,584; Oct. 1; v. 255; p. 130.
Milk, Making a new food product of. P. W. Turney. No. 1,274,218; July 30; v. 252; p. 1088.
Milk, Making and new food product of. P. W. Turney. No. 1,289,021; Dec. 24; v. 257; p. 789.
Milk, Manufacture of synthetic. J. Piperno. No. 1,267,449; May 28; v. 250; p. 799.
Milk or cream cooler. M. Pohler. No. 1,280,294; Oct. 1; v. 255; p. 51.

Milk-pasteurizer. W. W. Barnum. No. 1,260,127; Mar. 19; v. 248; p. 697.
Milk-pasteurizer. J. Gapko. No. 1,271,153; July 2; v. 252; p. 112.
Milk-receptacle. M. Jakab. No. 1,267,552; May 28; v. 250; p. 828.
Milk-receptacle, Paper. W. B. Norton. No. 1,272,080; July 9; v. 252; p. 406.
Milk-releaser for milking-machines. J. H. Davies. No. 1,281,146; Oct. 8; v. 255; p. 310.
Milk-releasing device. H. Ammann. No. 1,281,259; Oct. 15; v. 255; p. 373.
Milk-sediment tester. W. Winder and H. McNally. No. 1,264,243; Apr. 30; v. 249; p. 1023.
Milk-sterilizing apparatus. F. H. Rogers. No. 1,280,851; Oct. 8; v. 255; p. 232.
Milk-strainer. J. P. Richard. No. 1,287,103; Dec. 10; v. 257; p. 261.
Milk-strainer. H. J. Schaefer and P. J. Miller. No. 1,280,865; Oct. 8; v. 255; p. 235.
Milk-strainer holder. G. Kurn. No. 1,289,819; Dec. 31; v. 257; p. 1011.
Milk substitute. F. H. Brown. No. 1,259,483; Mar. 19; v. 248; p. 513.
Milk, Testing. H. Jone. No. 1,273,375; July 23; v. 252; p. 817.
Milk, Treating. M. Mussino. No. 1,284,751; Nov. 12; v. 256; p. 369.
Milk, Treating. N. D. Nielsen. No. 1,274,748; Aug. 6; v. 253; p. 116.
Milk, Vegetable. A. S. Burdick and C. Nielsen. No. 1,273,145; July 23; v. 252; p. 757.
Milk-warmer. E. A. Ault. No. 1,278,562; Sept. 10; v. 254; p. 357.
Milking apparatus. L. Dinesen. No. 1,261,780; Apr. 9; v. 249; p. 256.
Milking apparatus. S. B. Harner. No. 1,256,793; Feb. 19; v. 247; p. 567.
Milking apparatus, Teat-cup claw for. J. G. G. Eklundh. No. 1,263,347; Apr. 16; v. 249; p. 721.
Milking apparatus, Teat-cup for. J. G. G. Eklundh and C. Oden. No. 1,285,079; Nov. 19; v. 256; p. 491.
Milking device. G. Y. Thornton. No. 1,262,871; Apr. 16; v. 249; p. 588.
Milking-machine. C. O. Anderson. No. 1,266,544; May 21; v. 250; p. 519.
Milking-machine. G. V. Andrew. No. 1,270,091; June 18; v. 251; p. 611.
Milking-machine. R. B. Disbrow. No. 1,259,375; Mar. 12; v. 248; p. 450.
Milking-machine. C. J. J. Hägg. No. 1,266,795; May 21; v. 250; p. 591.
Milking-machine. A. V. and R. L. Hinman. No. 1,265,914; May 14; v. 250; p. 317.
Milking-machine. A. C. Macartney. No. 1,266,697; May 21; v. 250; p. 564.
Milking-machine. B. J. Miller. No. 1,286,052; Nov. 26; v. 256; p. 775.
Milking-machine. C. H. Paarmann. No. 1,276,803; Aug. 27; v. 253; p. 778.
Milking-machine. W. A. Shippert. No. 1,264,214; Apr. 30; v. 249; p. 1014.
Milking-machine. S. Sis. No. 1,255,239; Feb. 5; v. 247; p. 35.
Milking-machine. C. E. Somers. No. 1,259,309; Mar. 12; v. 248; p. 430.
Milking-machine. E. and B. Starch. No. 1,269,015; June 11; v. 251; p. 285.
Milking-machine cluster. M. Leitch. No. 1,255,186; Feb. 5; v. 247; p. 21.
Milking-machine pulsator. R. B. Forsyth. No. 1,257,688; Feb. 26; v. 247; p. 864.
Milking-machine pulsator. A. C. Macartney. No. 1,270,429; June 25; v. 251; p. 730.
Milking-machine pulsator. E. Schlukebier. No. 1,278,391; Sept. 10; v. 254; p. 312.
Milking-machine pulsator. R. Warnock. No. 1,270,473; June 25; v. 251; p. 742.
Milking-machine, Vacuum. C. H. Davis. No. 1,271,544; July 9; v. 252; p. 255.
Milking-machines, Claw for. J. H. Davies. No. 1,278,868; Sept. 17; v. 254; p. 470.
Milking-machines, Valve-caging for. L. Dinesen. No. 1,264,377; Apr. 30; v. 249; p. 1059.
Milking machinery. N. J. Daysh. No. 1,255,141; Feb. 5; v. 247; p. 8.
Milking machinery. N. J. Daysh. No. 1,276,184; Aug. 20; v. 253; p. 571.
Mill: *See*—
Attrition-mill.
Cane-mill.
Chilean mill.
Conical mill.
Crushing-mill.
Fulling-mill.
Grinding-mill.
Middlings-mill.
Pea-mill.
Pebble or ball mill.
Resawing-mill.
Roller-mill.
Rolling-mill.
Sawmill.
Stamp-mill.
Tube-mill.
Washmill.
Windmill.
Mill. A. C. Brantingham. No. 1,282,181; Oct. 22; v. 255; p. 663.
Mill. L. E. Gaisser. No. 1,266,247; May 14; v. 250; p. 410.
Mill. S. Grassi. No. 1,269,424; June 11; v. 251; p. 398.
Mill for grinding ores and other materials. W. H. Janney. No. 1,261,398; Apr. 2; v. 249; p. 116.
Mill installation. J. W. Vaughan. No. 1,289,319; Dec. 31; v. 257; p. 889.
Mill-liner. W. S. McKee. No. 1,289,501; Dec. 31; v. 257; p. 934.
Mills, Metal extractor for rotary. M. F. Williams. No. 1,258,970; Mar. 12; v. 248; p. 335.
Milling and the like cutter. H. Francis. No. 1,278,629; Sept. 10; v. 254; p. 376.
Milling-cutter. E. Lurker. No. 1,273,248; July 23; v. 252; p. 784.
Milling-cutter, Combination overshot rotary. D. L. Driscoll. No. 1,253,015; Jan. 8; v. 246; p. 490.
Milling-cutters, Machine for producing. J. Higginson and H. Arundel. No. 1,268,007; May 28; v. 250; p. 956.
Milling knurls, Machine for. F. Müller. No. 1,287,732; Dec. 17; v. 257; p. 448.
Milling-machine. C. G. Fredman. No. 1,285,667; Nov. 26; v. 256; p. 678.
Milling-machine. B. P. Graves. No. 1,286,292; Dec. 3; v. 257; p. 26.
Milling-machine. A. J. Howd. No. 1,284,344; Nov. 12; v. 256; p. 267.
Milling-machine. A. E. Metz. No. 1,269,727; June 18; v. 251; p. 514.
Milling-machine. S. R. Parslow. No. 1,261,432; Apr. 2; v. 249; p. 125.
Milling-machine. F. A. Parsons. No. 1,288,978; Dec. 24; v. 257; p. 779.
Milling-machine. H. C. Ross. No. 1,274,084; July 30; v. 252; p. 1049.
Milling-machine, Automatic. E. J. Smith, G. Mayer, and C. Vergan. No. 1,285,820; Nov. 26; v. 256; p. 718.
Milling-machine, Duplex. F. M. Davis. No. 1,279,286; Sept. 17; v. 254; p. 582.
Milling-machine dynamometer. R. Poliakoff. No. 1,280,538; Oct. 1; v. 255; p. 117.
Milling-machine fixture. J. F. Daneke. No. 1,278,867; Sept. 17; v. 254; p. 469.
Milling machine, Soil-. A. J. Dremel. No. 1,258,882; Mar. 12; v. 248; p. 311.
Milling-machines or the like, Vise attachment for. F. W. Fieldhouse. No. 1,256,217; Feb. 12; v. 247; p. 364.
Milling-machines, Work-holder for. S. J. Todd. No. 1,260,096; Mar. 19; v. 248; p. 690.
Milling-tool, Hollow. E. Gairing. No. 1,255,304; Feb. 5; v. 247; p. 54.
Mine and the like lift-cages, Safety supporting device for. G. H. Schofield. No. 1,253,633; Jan. 15; v. 246; p. 700.
Mine and torpedo guard for vessels. J. E. Ruzycki. No. 1,267,909; May 28; v. 250; p. 930.
Mine apparatus. J. Chabala. No. 1,271,277; July 2; v. 252; p. 149.
Mine-cage. W. C. Alsman. No. 1,260,290; Mar. 26; v. 248; p. 777.
Mine-cage device, Safety. J. Matthews. No. 1,268,260; June 4; v. 251; p. 53.
Mine-cage safety device. L. Pichler. No. 1,278,742; Sept. 10; v. 254; p. 406.
Mine-door. J. J. Body, M. L. Johnson, C. F. Kilgore, and A. Blevins. No. 1,255,697; Feb. 5; v. 247; p. 168.
Mine drill, Coal-. J. A. Walker. No. 1,271,396; July 2; v. 252; p. 179.
Mine-elevators, Car-lock for. S. Galli. No. 1,268,001; May 28; v. 250; p. 955.
Mine-field, Mobile subsurface. S. I. Prescott. No. 1,287,744; Dec. 17; v. 257; p. 452.
Mine-hoists, Safety cross-head for. S. Jewell. No. 1,252,122; Jan. 1; v. 246; p. 199.
Mine-laying device. C. Larsen. No. 1,264,818; Apr. 30; v. 249; p. 1180.
Mine of steel-concrete, Sea-. N. K. Fougner. No. 1,275,894; Aug. 13; v. 253; p. 460.
Mine-picker. J. Walton. No. 1,252,518; Jan. 8; v. 246; p. 345.
Mine-shafts, Safety-gate for. W. H. Finley. No. 1,276,199; Aug. 20; v. 253; p. 576.
Mine, Submarine. G. E. Elia. No. 1,286,964; Dec. 10; v. 257; p. 225.
Mine, Submarine. T. K. North. No. 1,280,526; Oct. 1; v. 255; p. 114.
Mine, Submarine. J. W. Reno. No. 1,288,990; Dec. 24; v. 257; p. 782.
Mine-sweeper and ship-shield. J. W. Coin. No. 1,281,520; Oct. 15; v. 255; p. 445.
Mine trap-door, Coal-. T. Lewis. No. 1,272,468; July 16; v. 252; p. 540.
Mine ventilation. M. J. Lide. No. 1,280,254; Oct. 1; v. 255; p. 39.
Mine-working machine. N. A. Newdick. No. 1,278,196; Sept. 10; v. 254; p. 260.
Mines, Brake for uphauls for. W. J. Mow. No. 1,274,071; July 30; v. 252; p. 1045.
Mines from their anchors, Apparatus for detaching. G. L. Goedhart. No. 1,287,674; Dec. 17; v. 257; p. 433.
Miner's combination-tool. W. W. Weber. No. 1,263,720; Apr. 23; v. 249; p. 844.
Mining and loading machine. N. D. Levin. No. 1,290,020; Dec. 31; v. 257; p. 1060.

Mining and loading machine. N. D. Levin. No. 1,290,021; Dec. 31; v. 257; p. 1061.
Mining and loading machine. E. C. Morgan. No. 1,271,198; July 2; v. 252; p. 126.
Mining and the like, Hydraulic. E. R., and E. R. Week, Jr. No. 1,261,198; Apr. 2; v. 249; p. 58.
Mining apparatus. C. J. E. Waxbom. No. 1,267,943; May 28; v. 250; p. 939.
Mining apparatus. C. J. E. Waxbom. No. 1,276,141; Aug. 20; v. 253; p. 559.
Mining apparatus, Coal-. H. A. Kuhn. No. 1,273,504; July 23; v. 252; p. 852.
Mining coal. H. A. Kuhn. No. 1,268,584; June 4; v. 251; p. 146.
Mining coal, System of. E. O'Toole. No. 1,276,952; Aug. 27; v. 253; p. 818.
Mining-drill. J. A. Kaye. No. 1,277,220; Aug. 27; v. 253; p. 889.
Mining-machine. H. C. Berkey. No. 1,284,174; Nov. 5; v. 256; p. 194.
Mining-machine. C. E. Davis. No. 1,256,524; Feb. 19; v. 247; p. 489.
Mining-machine. C. E. Davis. No. 1,274,516; Aug. 6; v. 253; p, 51.
Mining-machine. C. E. Davis. No. 1,282,768; Oct. 29; v. 255; p. 849.
Mining-machine. C. E. Davis. No. 1,283,688; Nov. 5; v. 256; p. 66.
Mining-machine. C. E. Davis. No. 1,283,689; Nov. 5; v. 256; p. 66.
Mining-machine. C. E. Davis. No. 1,283,690; Nov. 5; v. 256; p. 66.
Mining-machine. R. R. Dunlop. No. 1,267,992; May 28; v. 250; p. 952.
Mining-machine. H. A. Kuhn. No. 1,285,744; Nov. 26; v. 256; p. 698
Mining-machine. H. A. Kuhn and W. W. Macfarren. No. 1,273,503; July 23; v. 252; p. 852.
Mining-machine. N. D. Levin. No. 1,285,254; Nov. 19; v. 256; p. 535.
Mining-machine. N. D. Levin. No. 1,290,022; Dec. 31; v. 257; p. 1061.
Mining-machine. E. C. Morgan. No. 1,271,197; July 2; v. 252; p. 126.
Mining-machine. E. C. Morgan. No. 1,271,199; July 2; v. 252; p. 127.
Mining-machine. E. C. Morgan. No. 1,276,248; Aug. 20; v. 253; p. 588.
Mining-machine. E. C. Morgan. No. 1,276,249; Aug. 20; v. 253; p. 588.
Mining-machine. R. E. Noble. No. 1,285,332; Nov. 19; v. 256; p. 555.
Mining-machine. E. O'Toole. No. 1,283,880; Nov. 5; v. 256; p. 117.
Mining-machine. F. S. Washburn. No. 1,256,619; Feb. 19; v. 247; p. 517.
Mining machine, Coal-. J. F. Conrad and J. Walker. No. 1,257,582; Feb. 26; v. 247; p. 834.
Mining machine, Coal-. J. Gricar. No. 1,278,333; Sept. 10; v. 254; p. 298.
Mining machine, Coal-. A. Rea. No. 1,271,617; July 9; v. 252; p. 275.
Mining machine, Coal-. I. Rudai and A. Szarka. No. 1,274,939; Aug. 6; v. 253; p. 170.
Mining-machines, Supporting and adjusting mechanism for. N. D. Levin. No. 1,267,675; May 28; v. 250; p. 862.
Mining sulfur. A. F. Lucas and G. M. S. Tait. No. 1,259,536; Mar. 19; v. 248; p. 528.
Mining sulfur. A. F. Lucas and G. M. S. Tait. No. 1,259,537; Mar. 19; v. 248; p. 528.
Mineral-concentrator. C. O. and W. P. Michaelsen. No. 1,269,198; June 11; v. 251; p. 335.
Mineral or chemical products, Apparatus for treating certain. C. J. Leyes. No. 1,270,307; June 25; v. 251; p. 696.
Mineral-separator. W. P. Alderson. No. 1,264,135; Apr. 30; v. 249; p. 991.
Mineral-separator. J. C. Lesher. No. 1,281,596; Oct. 15; v. 255; p. 465
Mineral waters. Bottling. P. L. Baudry. No. 1,252,535; Jan. 8; v. 246; p. 350.
Mineral wool, Means for making. W. Fay. No. 1,256,541; Feb. 19; v. 247; p. 493.
Minerals by flotation. Separating. A. G. Betts. No. 1,286,922; Dec. 10; v. 257; p. 214.
Minnow, Artificial. R. F. O'Brien. No. 1,256,155; Feb. 12; v. 247; p. 343.
Minnow-trap. J. E. Logsdon. No. 1,269,623; June 18; v. 251; p. 485.
Mirror. J. J. Garrison. No. 1,286,990; Dec. 10; v. 257; p. 232.
Mirror. E. D. Tillyer. No. 1,278,521; Sept. 10; v. 254; p. 347.
Mirror, Adjustable. C. W. Kinsman. No. 1,287,699; Dec. 17; v. 257; p. 439.
Mirror-adjuster. M. C. Fontaine. No. 1,262,765; Apr. 16; v. 249; p. 559.
Mirror-adjuster. N. A. Weare. No. 1,260,106; Mar. 19; v. 248; p. 692.
Mirror and casing therefor. W. A. Jameson. No. 1,264,938; May 7; v. 250; p. 18.
Mirror and stand, Combination. F. F. Stansbury. No. 1,263,955; Apr. 23; v. 249; p. 910.
Mirror, Automobile-. H. G. Mosher. No. 1,275,974; Aug. 13; v. 253; p. 481.
Mirror, brush, and comb, Combination. J. Train. No. 1,259,169; Mar. 12; v. 248; p. 393.
Mirror-frames and the like, Support for. N. M. Stone. No. 1,262,712; Apr. 16; v. 249; p. 543.
Mirror, Hand-. M. M. Sabatelli. No. 1,262,101; Apr. 9; v. 249; p. 342.
Mirror-holder. C. E. Tibbs. No. 1,267,933; May 28; v. 250; p. 937.
Mirror - illuminating device. J. N. Thomas. No. 1,284,492; Nov. 12; v. 256; p. 304.
Mirror, Portable. J. W. Duncan. No. 1,289,130; Dec. 31; v. 257; p. 841.
Mirror-reflector. Adjustable. M. Faure. No. 1,276,512; Aug. 20; v. 253; p. 663.
Mirror-support, Adjustable. J. R. Olinger. No. 1,253,517; Jan. 15; v. 246; p. 667.
Mirrors and for analogous purposes, Machine for beveling. W. La Hodny and F. X. Kibitz. No. 1,275,447; Aug. 13; v. 253; p. 335.
Mirrors and for analogous purposes, Machine for beveling. W. La Hodny and F. X. Kibitz. No. 1,275,569; Aug. 13; v. 253; p. 368.
Mirrors, Attachment on frames for hand-. M. Oppenheimer and S. L. Ashenfarb. No. 1,272,703; July 16; v. 252; p. 608.
Mirroscope. E. J. Jansen. No. 1,258,339; Mar. 5; v. 248; p. 113.
Miter-box. E. C. Eagleson. No. 1,259,380; Mar. 12; v. 248; p. 452.
Miter-box. L. W. Nace and E. J. Fink. No. 1,257,099; Feb. 19; v. 247; p. 657.
Miter-box. H. Simon. No. 1,259,920; Mar. 19; v. 248; p. 639.
Miter-boxes, Attachment for. R. Rohleen. No. 1,286,417; Dec. 3; v. 257; p. 58.
Miter-machine. C. S. Lamphere. No. 1,273,235; July 23; v. 252; p. 780.
Mitt, Wrist-. F. B. Biggs. No. 1,275,837; Aug. 13; v. 253; p. 443.
Mitten. R. N. Carson. No. 1,254,578; Jan. 22; v. 246; p. 990.
Mitten. H. J. Diem. No. 1,280,421; Oct. 1; v. 255; p. 85.
Mitten. W. E. White. No. 1,277,015; Aug. 27; v. 253; p. 834.
Mixer: *See*—
Air and gas mixer.
Concrete-mixer.
Fuel-mixer.
Gas-mixer.
Gaseous-fuel mixer.
Metal-mixer.
Paint-mixer.
Soapsuds-mixer.
Water-gas mixer.
Mixer. R. Chapparo R. No. 1,253,785; Jan. 15; v. 246; p. 744.
Mixer. A. Leyer. No. 1,281,603; Oct. 15; v. 255; p. 467.
Mixer. W. J. Miller. No. 1,270,539; June 25; v. 251; p. 762.
Mixer. C. H. Stroup. No. 1,261,739; Apr. 2; v. 249; p. 210.
Mixer. J. W. Warren. No. 1,260,609; Mar. 26; v. 248; p. 872.
Mixer and drier. W. B. Ruggles. No. 1,269,120; June 11; v. 251; p. 314.
Mixing and dispensing apparatus. L. M. Voorsanger. No. 1,258,964; Mar. 12; v. 248; p. 332.
Mixing and stirring device. A. H. Stevens. No. 1,255,944; Feb. 12; v. 247; p. 280.
Mixing device. G. Jacobs. No. 1,275,036; Aug. 6; v. 253; p. 197.
Mixing device. E. E. Punches. No. 1,283,891; Nov. 5; v. 256; p. 120.
Mixing-machine. F. Anderson. No. 1,255,376; Feb. 5; v. 247; p. 76.
Mixing-machine. C. A. Bush. No. 1,268,093; June 4; v. 251; p. 7.
Mixing-machine. W. F. Morse. No. 1,267,578; May 28; v. 250; p. 835.
Mixing-machine. B. D. Pinkney. No. 1,269,740; June 18; v. 251; p. 517.
Mixing-machine. R. Raddatz. No. 1,258,812; Mar. 12; v. 248; p. 289.
Mixing-machine. T. F. Rataiczak and H. L. Johnston. No. 1,264,128; Apr. 23; v. 249; p. 955.
Mixing-machine beater. B. D. Pinkney. No. 1,287,741; Dec. 17; v. 257; p. 451.
Mixing-machine-charging hopper. J. C. French. No. 1,278,131; Sept. 10; v. 254; p. 243.
Mixing or stirring means. N. D. Nielsen. No. 1,276,254; Aug. 20; v. 253; p. 590.
Models in plaster, &c., Making. A. S. Church. No. 1,274,005; July 30; v. 252; p. 1026.
Modulating system. R. V. L. Hartley. No. 1,287,982; Dec. 17; v. 257; p. 510.
Moistener. F. F. Peters. No. 1,255,925; Feb. 12; v. 247; p. 275.
Moistener. D. Welsh. No. 1,280,603; Oct. 1; v. 255; p. 136.
Moistener, Envelop-. L. B. Waggoner. No. 1,270,470; June 25; v. 251; p. 741.

Moistening absorbent material, Apparatus for. S. S. Staples. No. 1,254,286; Jan. 22; v. 246; p. 907.
Moistening adhesive tape, Machine for. F. Kuhn and J. A. Hand. No. 1,276,773; Aug. 27; v. 253; p. 771.
Moistening and serving strips of tape, Device for automatically. C. G. Mortimer. No. 1,271,603; July 9; v. 252; p. 270.
Moistening attachment for type-writer ribbons. J. C. Phelan and H. B. MacAlpine. No. 1,251,691; Jan. 1; v. 246; p. 75.
Moistening device. C. J. Klein. No. 1,272,275; July 9; v. 252; p. 460.
Moistening-machine, Power. C. H. Crowell. No. 1,267,517; May 28; v. 250; p. 818.
Moisture and gases, Apparatus for the absorption of. P. Poetschke. No. 1,268,053; May 28; v. 250; p. 969.
Moisture-extractors for drying clothes, Quill and housing for. I. F. Willey. No. 1,252,214; Jan. 1; v. 246; p. 224.
Moisture-extractors for drying clothes, Quill and housing for. I. F. Willey. No. 1,253,551; Jan. 15; v. 246; p. 677.
Moisture-extractors for drying clothes, Quill and housing for. I. F. Willey. No. 1,282,344; Oct. 22; v. 255; p. 707.
Moisture-proof package and making same. S. B. Field. No. 1,264,497; Apr. 30; v. 249; p. 1093.
Molasses feed, Mixing and packing apparatus for. J. W. McCaughey. No. 1,267,241; May 21; v. 250; p. 716.
Mold: *See*—
Block-mold.
Brick-mold.
Building-block mold.
Bullet-mold.
Butter-mold.
Cement-chimney-section mold.
Cement-post mold.
Cheese-mold.
Column-mold.
Concrete-mold.
Concrete-block mold.
Concrete-culvert mold.
Concrete-house mold.
Concrete-structure mold.
Concrete-wall mold.
Cornice-mold.
Glass-mold.
Glass-shaping mold.
Glassware-mold.
Heel-mold.
Ice-cream dipper-mold.
Ice-cream-cone-machine mold.
Ingot-mold.
Interlocking mold.
Lip-rouge mold.
Metal-mold.
Pipe-mold.
Plastic-block mold.
Plastic-material mold.
Railway-tie mold.
Ring-mold.
Stave-mold.
Storage-battery-grid mold.
Tile-mold.
Tire-mold.
Toy mold.
Trough-mold.
Mold. V. G. Apple. No. 1,284,553; Nov. 12; v. 256; p. 318.
Mold. C. S. Campbell. No. 1,271,849; July 9; v. 252; p. 339.
Mold. M. E. Chamberlain. No. 1,268,682; June 4; v. 251; p. 173.
Mold. J. J. Dolyak. No. 1,265,438; May 7; v. 250; p. 156.
Mold. E. E. Everett. No. 1,271,296; July 2; v. 252; p. 153.
Mold. C. P. Herd. No. 1,269,603; June 18; v. 251; p. 479.
Mold. G. W. Jackson. No. 1,261,543; Apr. 2; v. 249; p. 157.
Mold. P. Siptrott. No. 1,270,886; July 2; v. 252; p. 38.
Mold. W. E. Skidmore. No. 1,262,276; Apr. 9; v. 249; p. 392.
Mold. D. Zatzke. No. 1,282,161; Oct. 22; v. 255; p. 658.
Mold-alining device. H. J. Hoyt. No. 1,256,693; Feb. 19; v. 247; p. 538.
Mold-dumping-machine pallet-feeder. A. O. Dupuy. No. 1,288,534; Dec. 24; v. 257; p. 672.
Mold-jacket, Adjustable. J. L. Nute. No. 1,271,752; July 9; v. 252; p. 313.
Mold-jacket and making same. J. F. West. No. 1,288,326; Dec. 17; v. 257; p. 593.
Mold-jacket, Self-adjusting. J. F. West. No. 1,278,805; Sept. 10; v. 254; p. 423.
Mold-jarring machines, Controlling device for. A. A. Landon. No. 1,279,368; Sept. 17; v. 254; p. 606.
Mold-loading machine. R. E. McCauley. No. 1,281,083; Oct. 8; v. 255; p. 292.
Mold-making machine. E. Ericsson. No. 1,256,888; Feb. 19; v. 247; p. 596.
Mold-making machine. T. C. Schultze. No. 1,285,417; Nov. 19; v. 256; p. 577.
Mold-patterns, Frame or holder for. W. C. Lang. No. 1,279,714; Sept. 24; v. 254; p. 725.
Molds, &c., Binding device for. E. E. Speer. No. 1,268,061; May 28; v. 250; p. 971.
Molds, Contracting metal core ror ring-. H W. Alexander. No. 1,281,258; Oct. 15; v. 255; p. 373.
Moldable material. J. P. A. McCoy. No. 1,268,031; May 28; v. 250; p. 963.
Moldboard. L. H. Knoche. No. 1,256,140; Feb. 12; v. 247; p. 339.
Moldboard and share. B. Paulson. No. 1,289,891; Dec. 31; v. 257; p. 1029.
Molded and baked product from pastry-molds. A. E. Dieterich. No. 1,280,422; Oct. 1; v. 255; p. 85.
Molded blocks, Conveying apparatus for. A. A. Pauly. No. 1,284,137; Nov. 5; v. 256; p. 185.
Molders, Pattern-vibrator for. H. L. Walker. No. 1,266,890; May 21; v. 250; p. 617.
Molding. J. P. A. McCoy. No. 1,286,370; Dec. 3; v. 257; p. 46.
Molding-adapter. H. T. Paiste. No. 1,254,528; Jan. 22; v. 246; p. 976.
Molding apparatus. A. A. Pauly. No. 1,253,991; Jan. 15; v. 246; p. 801.
Molding apparatus. R. N. Sargent. No. 1,289,275; Dec. 31; v. 257; p. 877.
Molding apparatus. F. W. Tickner. No. 1,274,107; July 30; v. 252; p. 1056.
Molding apparatus. J. B. Walker. No. 1,262,720; Apr. 16; v. 249; p. 546.
Molding apparatus. J. T. Wisner. No. 1,267,488; May 28; v. 250; p. 810.
Molding apparatus, Knockdown. G. W. Porter and D. C. Noonan. No. 1,276,264; Aug. 20; v. 253; p. 593.
Molding articles. L. H. Baekeland. No. 1,259,473; Mar. 19; v. 248; p. 510.
Molding articles, Making. J. P. A. McCoy. No. 1,286,371; Dec. 3; v. 257; p. 46.
Molding-boxes, Tightening apparatus for. H. H. Springer. No. 1,269,332; June 11; v. 251; p. 374.
Molding composition, Plastic. L. N. Weissmann. No. 1,256,621; Feb. 19; v. 247; p. 518.
Molding device. O. Newman. No. 1,268,046; May 28; v. 250; p. 966.
Molding, Electrical. T. E. Murray. No. 1,259,275; Mar. 12; v. 248; p. 420.
Molding, Equipment for green-sand. W. T. Rabun and W. F. Schultheiss. No. 1,252,945; Jan. 8; v. 246; p. 467.
Molding-face cutter. L. T. Bunch. No. 1,269,378; June 11; v. 251; p. 387.
Molding-machine. A. S. Bixby. No. 1,252,771; Jan. 8; v. 246; p. 419.
Molding-machine. A. Brake. No. 1,281,129; Oct. 8; v. 255; p. 305.
Molding-machine. F. Curry and A. F. Lewis. No. 1,267,189; May 21; v. 250; p. 702.
Molding-machine. C. E. Daniel. No. 1,261,493; Apr. 2; v. 249; p. 141.
Molding-machine. W. A. Denney. No. 1,255,586; Feb. 5; v. 247; p. 137.
Molding-machine. R. D. Eaglesfield. No. 1,264,165; Apr. 30; v. 249; p. 1000.
Molding-machine. J. A. Field. No. 1,287,937; Dec. 17; v. 257; p. 499.
Molding-machine. J. F. Geyer. No. 1,277,405; Sept. 3; v. 254; p. 20.
Molding-machine. G. J. Hicks. No. 1,280,467; Oct. 1; v. 255; p. 97.
Molding-machine. A. Jaminet and H. Gregoire. No. 1,258,338; Mar. 5; v. 248; p. 113.
Molding-machine. L. T. Kenny and S. J. Welch. No. 1,258,344; Mar. 5; v. 248; p. 114.
Molding-machine. W. Lewis. No. 1,259,882; Mar. 19; v. 248; p. 627.
Molding-machine. W. Lewis. No. 1,259,883; Mar. 19; v. 248; p. 627.
Molding-machine. C. P. Melvin. No. 1,285,302; Nov. 19; v. 256; p. 547.
Molding-machine. E. H. Mumford. (Reissue.) No. 14,536; Oct. 15; v. 255; p. 579.
Molding-machine. M. S. Nap. No. 1,273,649; July 23; v. 252; p. 892.
Molding-machine. W. H. Nicholls. No. 1,277,745; Sept. 3; v. 254; p. 115.
Molding-machine. E. P. Pitfield. No. 1,268,768; June 4; v. 251; p. 197.
Molding-machine. D. J. Ryan. No. 1,255,466; Feb. 5; v. 247; p. 101.
Molding-machine. C. H. Steele and F. H. Scattergood. No. 1,256,739; Feb. 19; v. 247; p. 551.
Molding-machine. W. C. Walda. No. 1,265,405; May 7; v. 250; p. 147.
Molding-machine. P. J. Wentworth. No. 1,288,776; Dec. 24; v. 257; p. 731.
Molding-machine roll-over mechanism. J. T. Stoney. No. 1,283,352; Oct. 29; v. 255; p. 1008.
Molding objects by pressure, Apparatus for. E. Lanhoffer. No. 1,260,002; Mar. 19; v. 248; p. 663.
Molding or casting apparatus. G. Atterbury. No. 1,289,599; Dec. 31; v. 257; p. 958.
Molding or welt, Single-bead. G. H. Vanderslice. No. 1,283,372; Oct. 29; v. 255; p. 1014.
Molding-pattern. A. P. Gustafson. No. 1,287,296; Dec. 10; v. 257; p. 309.
Molding plastic material, Apparatus for. C. T. Richmond. No. 1,287,438; Dec. 10; v. 257; p. 344.
Molding plastic material into blocks or bodies, Machine for. B. V. Edwards. No. 1,271,552; July 9; v. 252; p. 257.
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Molybdenum or alloys thereof, Obtaining. J. A. Holladay. No. 1,281,961; Oct. 15; v. 255; p. 562.
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Money paying, changing, and listing machine. W. S. Overlin. No. 1,256,363; Feb. 12; v. 247; p. 406.
Monkey-wrench. J. L. Copping. No. 1,275,855; Aug. 13; v. 253; p. 448.
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Monkey-wrench. S. Wytrwal. No. 1,288,361; Dec. 17; v. 257; p. 601.
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Mop. A. Buenzli. No. 1,282,746; Oct. 29; v. 255; p. 844.
Mop. L. F. Bunting. No. 1,265,737; May 14; v. 250; p. 266.
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Mop. H. L. Feasel. No. 1,283,404; Oct. 29; v. 255; p. 1022.
Mop. A. W. Grant. No. 1,259,617; Mar. 19; v. 248; p. 550.
Mop. L. Kenner. No. 1,279,355; Sept. 17; v. 254; p. 602.
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Mop. F. P. Toof. No. 1,281,883; Oct. 15; v. 255; p. 542.
Mop. H. A. Vining. No. 1,286,455; Dec. 3; v. 257; p. 67.
Mop and scraper, Combined. C. E. Dunagan. No. 1,282,780; Oct. 29; v. 255; p. 853.
Mop and wringer. H. L. Feasel. No. 1,271,301; July 2; v. 252; p. 155.
Mop and wringer. H. L. Feasel. No. 1,271,302; July 2; v. 252; p. 155.
Mop, Dish-. H. E. Strobhart. No. 1,266,878; May 21; v. 250; p. 613.
Mop, Duplex. A. Einsfeld. No. 1,271,870; July 9; v. 252; p. 344.
Mop, Fountain-. H. H. Knapp. No. 1,271,586; July 9; v. 252; p. 266.
Mop-frame. C. Duncan. No. 1,256,989; Feb. 19; v. 247; p. 627.
Mop-head. J. H. Berkovec. No. 1,280,135; Oct. 1; v. 255; p. 4.
Mop-head. L. M. Poole. No. 1,268,769; June 4; v. 251; p. 198.
Mop-holder. J. Ericksen. No. 1,272,644; July 16; v. 252; p. 592.
Mop-holder. T. E. Gavin. No. 1,267,398; May 28; v. 250; p. 785.
Mop-holder. F. R. Wolter. No. 1,270,353; June 25; v. 251; p. 709.
Mop-wringer. R. A. Brace. No. 1,268,921; June 11; v. 251; p. 259.
Mop-wringer. J. E. Gillam. No. 1,273,768; July 23; v. 252; p. 921.
Mop-wringer. T. W. Hanrath. No. 1,257,224; Feb. 19; v. 247; p. 693.
Mop-wringer. S. Kalisz and I. Spiradek. No. 1,263,067; Apr. 16; v. 249; p. 645.
Mop-wringer. S. C. Repsholdt. No. 1,268,055; May 28; v. 250; p. 969.
Mop-wringer. J. Schmoliner. No. 1,271,621; July 9; v. 252; p. 276.
Mop-wringer. A. M. Sully. No. 1,280,897; Oct. 8; v. 255; p. 243.
Mopping appliance. S. C. Lawlor. No. 1,251,974; Jan. 1; v. 246; p. 157.
Morse transmitter. J. A. Breen. No. 1,276,617; Aug. 20; v. 253; p. 692.
Mortar for fire-bricks. A. B. Cox. No. 1,252,785; Jan. 8; v. 246; p. 422.
Mortar, Manufacture of. J. Joachim. No. 1,259,241; Mar. 12; v. 248; p. 411.
Mortise-and-tenon joint. B. C. Rockwell. No. 1,263,116; Apr. 16; v. 249; p. 660.
Mortise-riveting. C. S. Lockwood. No. 1,275,576; Aug. 13; v. 253; p. 370.
Mortising-machine. G. W. Campbell. No. 1,289,114; Dec. 31; v. 257; p. 837.
Mortising-machine. E. Rieder. No. 1,251,579; Jan. 1; v. 246; p. 40.
Mosquito-bars, Portable frame for. R. Prichard. No. 1,279,434; Sept. 17; v. 254; p. 622.
Mosquito net or canopy holder. E. Peak. No. 1,268,767; June 4; v. 251; p. 197.
Motion, Center stop-. G. Pfeiffer. No. 1,270,865; July 2; v. 252; p. 32.
Motion-converting device. E. D. Meade and H. F. Youngblove. No. 1,265,936; May 14; v. 250; p. 323.
Motion-converting mechanism. R. F. Hlavaty. No. 1,275,248; Aug. 13; v. 253; p. 280.
Motion from pistons of engines to crank-shafts, Device for transmitting. E. B. Nowosielski. No. 1,254,345; Jan. 22; v. 246; p. 923.
Motion, Mechanism for converting reciprocatory into rotary. W. R. Fasey, G. T. Galley, and G. Tufnell. No. 1,261,111; Apr. 2; v. 249; p. 35.
Motion operating device, Universal-. J. A. Silsbee. No. 1,285,814; Nov. 26; v. 256; p. 717.
Motion-retarding device. S. Lehman and H. D. Kendig. No. 1,281,594; Oct. 15; v. 255; p. 464.
Motion-translating device. J. M. Boyle and F. Reichmann. No. 1,277,371; Sept. 3; v. 254; p. 10.
Motion-translating mechanism. A. H. Bastian. No. 1,254,112; Jan. 22; v. 246; p. 857.
Motion-transmitting means. A. S. Lanich. No. 1,255,024; Jan. 29; v. 246; p. 1149.
Motor: *See*—
Adjustable-speed motor.
Air-motor.
Air-draft motor.
Air-operated motor.
Aviation rotary motor.
Boat-motor.
Car-motor.
Current-motor.
Door-motor.
Door and step controller motor.
Electric motor.
Electrical motor.
Explosion-motor.
Fan-motor.
Fluid-motor.
Fluid-driven motor.
Fluid-meter motor.
Fluid-operated motor.
Fluid-pressure motor.
Heat-motor.
Hydraulic motor.
Hydrocarbon-motor.
Induction-motor.
Internal-combustion motor.
Marine motor.
Oscillating motor.
Pneumatic motor.
Railway-vehicle motor.
Reciprocating motor.
Reversible motor.
Rotary motor.
Selective motor.
Sewing-machine motor.
Single-phase motor.
Spring-motor
Synchronous motor.
Talking-machine motor.
Talking-machine spring-motor.
Thermal motor.
Tide-motor.
Turbine-motor.
Water-motor.
Water-operated motor.
Wave-motor.
Wind-motor.
Wind-power motor.
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Motor. E. R. Hewitt and A. H. Leipert. No. 1,282,831; Oct. 29; v. 255; p. 868.
Motor. C. J. Lake. No. 1,279,367; Sept. 17; v. 254; p. 605.
Motor. M. M. and C. M. Matson. No. 1,273,079; July 16; v. 252; p. 713.
Motor. J. A. Poyet. No. 1,273,667; July 23; v. 252; p. 897.
Motor. J. Schroeder. No. 1,275,767; Aug. 13; v. 253; p. 424.
Motor. B. H. Smith. No. 1,258,368; Mar. 5; v. 248; p. 121.
Motor. F. Swanson. No. 1,255,663; Feb. 5; v. 247; p. 159.
Motor. A. B. Weaver. No. 1,286,853; Dec. 3; v. 257; p. 158.
Motor-actuated shovel. M. J. Zabawa. No. 1,271,648; July 9; v. 252; p. 285.
Motor and motor control. C. White. No. 1,264,726; Apr. 30; v. 249; p. 1156.
Motor and the like. G. C. Vollmer. No. 1,263,821; Apr. 23; v. 249; p. 872.
Motor-compressors, Protective device for. P. L. Crittenden. No. 1,275,536; Aug. 13; v. 253; p. 359.
Motor construction. J. Bijur. No. 1,278,096; Sept. 10; v. 254; p. 234.
Motor construction, Electric-. G. Gillaspy. No. 1,267,210; May 21; v. 250; p. 708.
Motor control. E. R. Carichoff. No. 1,287,217; Dec. 10; v. 257; p. 290.
Motor control. J. C. Clendenin. No. 1,253,151; Jan. 8; v. 246; p. 530.
Motor control. W. S. H. Hamilton. No. 1,267,216; May 21; v. 250; p. 709.
Motor control. W. C. Strang. No. 1,264,992; May 7; v. 250; p. 33.
Motor control, Electric-. W. C. Strang. No. 1,261,644; Apr. 2; v. 249; p. 185.
Motor-control system. E. F. W. Alexanderson. No. 1,280,624; Oct. 8; v. 255; p. 167.
Motor-control system. L. Fleischmann. No. 1,260,889; Mar. 26; v. 248; p. 950.
Motor-control system. M. M. Goldenstein. No. 1,255,874; Feb. 12; v. 247; p. 260.
Motor-control system. J. H. Hall. No. 1,275,909; Aug. 13; v. 253; p. 463.
Motor-control system. R. E. Hellmund. No. 1,285,160; Nov. 19; v. 256; p. 511.
Motor-control system. C. T. Henderson and A. Simon. No. 1,258,116; Mar. 5; v. 248; p. 49.
Motor-control system. J. D. Ihlder. No. 1,288,418; Dec. 17; v. 257; p. 615.

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Motor-control system. W. C. Korthals-Altes. No. 1,279,360; Sept. 17; v. 254; p. 604.
Motor-control system. W. O. Lum. No. 1,255,447; Feb. 5; v. 247; p. 96.
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Motor-control system. H. A. Steen. No. 1,284,487; Nov. 12; v. 256; p. 303.
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Motor-controlled brake. J. S. Coldwell. No. 1,261,771; Apr. 9; v. 249; p. 253.
Motor-controller. A. J. Cline. No. 1,274,684; Aug. 6; v. 253; p. 99.
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Motor-controller. M. M. Goldenstein. No. 1,281,347; Oct. 15; v. 255; p. 399.
Motor-controller. A. J. Horton. No. 1,268,574; June 4; v. 251; p. 143.
Motor-controller. A. J. Horton. No. 1,282,836; Oct. 29; v. 255; p. 869.
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Motor-cycle back-rest. C. Kuderer. No. 1,255,539; Feb. 5; v. 247; p. 124.
Motor-cycle back-rest. C. Kuderer. No. 1,272,970; July 16; v. 252; p. 683.
Motor-cycle-course indicator. U. Umberto. No. 1,268,645; June 4; v. 251; p. 164.
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Motor-cycles, Side car for. W. S. Harley. No. 1,262,785; Apr. 16; v. 249; p. 564.
Motor-cycles, Side car for. T. L. Loose. No. 1,256,341; Feb. 12; v. 247; p. 400.
Motor-cycles, Spring-frame for. T. Matthews. No. 1,261,838; Apr. 9; v. 249; p. 272.
Motor-cycles, Trailer attachment for. F. E. Elliott. No. 1,271,553; July 9; v. 252; p. 257.
Motor-cycles, Twin-seat construction for. B. S. Chilson. No. 1,279,260; Sept. 17; v. 254; p. 575.
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Motor-drive for shapers. W. R. Buss. No. 1,275,215; Aug. 13; v. 253; p. 271.
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Motor-generator transmission mechanism. J. O. Heinze. No. 1,287,305; Dec. 10; v. 257; p. 311.
Motor-governor. R. F. Coleman. No. 1,263,378; Apr. 23; v. 249; p. 751.
Motor-hanger. W. R. Graham. No. 1,264,059; Apr. 23; v. 249; p. 937.
Motor-hood. D. M. Livingston. No. 1,264,825; Apr. 30; v. 249; p. 1182.
Motor-limbering stand. J. H. Hill. No. 1,256,559; Feb. 19; v. 247; p. 499.
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Motor or engine. H. H. Turner. No. 1,275,502; Aug. 13; v. 253; p. 349.
Motor or engine. H. H. Turner. No. 1,275,503; Aug. 13; v. 253; p. 350.
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Motor regulator, Electric-. G. H. Whittingham and W. T. Holmes. No. 1,262,290; Apr. 9; v. 249; p. 395.
Motor reversing-gear, Fluid-. M. L. Robinson. No. 1,271,369; July 2; v. 252; p. 173.
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Motor-starter. B. B. Jackson. No. 1,289,788; Dec. 31; v. 257; p. 1004.
Motor-starter. J. A. Parkinson. No. 1,257,520; Feb. 26; v. 247; p. 816.
Motor-starter, Automatic. H. F. Krantz. No. 1,267,324; May 21; v. 250; p. 737.
Motor-starter, Automatic. H. L. Van Valkenburg. No. 1,266,642; May 21; v. 250; p. 548.
Motor starter, Electric-. G. H. Whittingham. No. 1,270,235; June 18; v. 251; p. 649.
Motor-supporting platform. H. Budd. No. 1,278,846; Sept. 17; v. 254; p. 464.
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Motors and apparatus therefor, Control of electric. P. N. Jones. No. 1,264,941; May 7; v. 250; p. 19.
Motors, Arrangement for automatically regulating the advance of the spark in explosion-. A. Dutreux. No. 1,279,997; Sept. 24; v. 254; p. 806.
Motors, Attachment for internal-combustion. J. O. Brock. No. 1,256,976; Feb. 19; v. 247; p. 622.
Motors, Automatic controlling device for fluid-pressure. J. H. Swan. No. 1,277,771; Sept. 3; v. 254; p. 123.
Motors, Brush-mount for electric. J. Berg. No. 1,265,879; May 14; v. 250; p. 305.
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Motors, Dust and silencer hood for valve-in-head. C. O. Norman. No. 1,268,047; May 28; v. 250; p. 967.
Motors, Field-control system for single-phase commutator-. R. E. Hellmund. No. 1,276,912; Aug. 27; v. 253; p. 806.
Motors, Fuel-supply for. O. W. Helwig and E. J. Matthews. No. 1,260,902; Mar. 26; v. 248; p. 953.
Motors, Governing device for internal-combustion. C. S. Burton. No. 1,283,068; Oct. 29; v. 255; p. 933.
Motors, Governor for air-. M. Clark. No. 1,273,579; July 23; v. 252; p. 872.
Motors, Governor mechanism for spring-. A. Anderson. No. 1,272,595; July 16; v. 252; p. 576.
Motors, Indicating mechanism for spring-. A. Roig. No. 1,280,305; Oct. 1; v. 255; p. 53.
Motors, Means for air-cooling. H. H. Harrold. No. 1,260,282; Mar. 19; v. 248; p. 741.
Motors, Method and apparatus for proportioning the load between a plurality of series. T. F. Mullaney and W. J. Quinn. No. 1,278,192; Sept. 10; v. 254; p. 259.
Motors of pneumatics, Automatic controlling device for the. J. A. Weser. No. 1,270,382; June 25; v. 251; p. 717.
Motors, Safety-crank for spring-. E. W. Stewart. No. 1,260,829; Mar. 26; v. 248; p. 934.
Motors, Series-parallel system of control for tapped field-. F. E. Case. No. 1,263,373; Apr. 23; v. 249; p. 749.
Motors, Speed control for induction-. F. W. Meyer. No. 1,262,824; Apr. 16; v. 249; p. 575.
Motors, Starting device for La Cour. G. R. Benjamin. No. 1,284,219; Nov. 12; v. 256; p. 233.
Motors, Supply system for pulsating-torque. R. E. Hellmund. No. 1,276,914; Aug. 27; v. 253; p. 807.
Motors, System of control for single-phase. R. E. Hellmund. No. 1,287,013; Dec. 10; v. 257; p. 238.
Motors, System of control for single-phase commutator-. R. E. Hellmund, H. R. Meyer, and A. R. Candee. No. 1,276,913; Aug. 27; v. 253; p. 807.
Motors, Vaporizing and carbureting apparatus for internal-combustion. J. G. A. Kitchen. No. 1,278,168; Sept. 10; v. 254; p. 253.
Motors, Winding device for spring-. J. W. Jones. No. 1,257,286; Feb. 19; v. 247; p. 713.
Motors, Winding for electric. N. Currie, Jr. No. 1,257,193; Feb. 19; v. 247; p. 684.
Motors, Winding-governor for spring-. G. Wenzelmann. No. 1,283,386; Oct. 29; v. 255; p. 1018.
Motors, Winding mechanism for spring-. S. W. Meredith, L. Baumann, Sr., and J. Black. No. 1,265,473; May 7; v. 250; p. 165.
Motorman's seat. J. Nagy. No. 1,271,747; July 9; v. 252; p. 312.
Mounting. W. T. Henderson. No. 1,259,015; Mar. 12; v. 248; p. 350.
Mounting. F. A. Stevens. No. 1,274,806; Aug. 6; v. 253; p. 132.
Mounting. F. A. Stevens. No. 1,274,807; Aug. 6; v. 253; p. 132.
Mounting. F. A. Stevens. No. 1,274,808; Aug. 6; v. 253; p. 133.
Mounting. F. A. Stevens. No. 1,283,349; Oct. 29; v. 255; p. 1007.
Mouse-trap. N. H. Albrecht and W. A. Baldwin. No. 1,283,018; Oct. 29; v. 255; p. 921.
Mouse-trap. P. Dymora. No. 1,279,303; Sept. 17; v. 254; p. 587.
Mouse-trap. J. Siemieczko. No. 1,288,712; Dec. 24; v. 257; p. 716.
Movement-controlling mechanism. F. A. H. Harlé. No. 1,268,712; June 4; v. 251; p. 182.
Moving apparatus, Material-. L. E. Dierks. No. 1,263,749; Apr. 23; v. 249; p. 852.
Moving articles from one level to another, Device for. J. T. Cowley. No. 1,251,478; Jan. 1; v. 246; p. 8.
Moving heavy loads, Means for. H. Bidwell. No. 1,287,845; Dec. 17; v. 257; p. 476.
Moving implement. H. W. McKee. No. 1,271,594; July 9; v. 252; p. 268.
Mower. J. C. Bohmker. No. 1,254,879; Jan. 29; v. 246; p. 1111.
Mower. T. Brown. No. 1,270,488; June 25; v. 251; p. 747.
Mower. T. Brown. No. 1,270,489; June 25; v. 251; p. 748.
Mower. T. Brown. No. 1,270,491; June 25; v. 251; p. 748.
Mower. J. P. Forst. No. 1,262,658; Apr. 16; v. 249; p. 528.
Mower. G. P. Helfrich. No. 1,275,263; Aug. 13; v. 253; p. 282.
Mower. J. Jelinek. No. 1,264,079; Apr. 23; v. 249; p. 944.
Mower. W. H. Pate. No. 1,287,414; Dec. 10; v. 257; p. 339.
Mower and harvester attachment. F. Crawford. No. 1,272,628; July 16; v. 252; p. 587.
Mower anticlogging device. A. M. Collins. No. 1,283,086; Oct. 29; v. 255; p. 938.
Mower attachment. M. Beckner. No. 1,280,373; Oct. 1; v. 255; p. 72.
Mower attachment, Lawn-. C. Lederer, Sr. No. 1,270,177; June 18; v. 251; p. 635.
Mower, Automobile. J. L. Beasley. No. 1,274,499; Aug. 6; v. 253; p. 45.
Mower cutter-bar. E. Antz. No. 1,284,037; Nov. 5; v. 256; p. 157.
Mower dump seed-pan. W. E. Graves. No. 1,280,985; Oct. 8; v. 255; p. 265.
Mower, Gang-. W. F. H. Braun. No. 1,260,631; Mar. 26; v. 248; p. 879.
Mower, Gang lawn-. E. M. Sawtelle. No. 1,285,412; Nov. 19; v. 256; p. 575.
Mower, Lawn-. W. G. Armstrong. No. 1,284,555; Nov. 12; v. 256; p. 319.
Mower, Lawn-. P. Beaushene. No. 1,278,569; Sept. 10; v. 254; p. 359.
Mower, Lawn-. W. H. Coldwell. No. 1,279,266; Sept. 17; v. 254; p. 576.
Mower, Lawn-. W. H. Coldwell. No. 1,279,267; Sept. 17; v. 254; p. 577.
Mower, Lawn-. M. Comfort. No. 1,275,851; Aug. 13; v. 253; p. 447.
Mower, Lawn-. O. B. Frazier. No. 1,252,421; Jan. 8; v. 246; p. 317.
Mower, Lawn-. O. B. Frazier. No. 1,256,008; Feb. 12; v. 247; p. 300.
Mower, Lawn-. J. S. Gilbertie. No. 1,261,020; Apr. 2; v. 249; p. 9.
Mower, Lawn-. A. Johnston. No. 1,255,885; Feb. 12; v. 247; p. 264.
Mower, Lawn-. P. Tataryn. No. 1,279,038; Sept. 17; v. 254; p. 517.
Mower, Lawn-. W. F. Tosch. No. 1,275,798; Aug. 13; v. 253; p. 433.
Mower, Motor lawn-. W. H. Coldwell. No. 1,263,209; Apr. 16; v. 249; p. 685.
Mower sharpener, Lawn-. C. F. Rumold. No. 1,287,445; Dec. 10; v. 257; p. 345.
Mower sharpener, Lawn-. E. C. Springer. No. 1,285,825; Nov. 26; v. 256; p. 720.
Mowers and the like, Attachment for. S. L. Cluett. No. 1,275,390; Aug. 13; v. 253; p. 320.
Mowers, Attachment for lawn-. W. H. Mitchell. No. 1,287,073; Dec. 10; v. 257; p. 253.
Mowers, Grass-catcher for lawn-. A. C. Schnake. No. 1,283,325; Oct. 29; v. 255; p. 999.
Mowers, Grass-guard for. V. King. No. 1,256,700; Feb. 19; v. 247; p. 541.
Mowers, Grass-receiving attachment for. C. C. Heckathorn. No. 1,281,002; Oct. 8; v. 255; p. 270.
Mowers, &c., Handle for lawn-. W. P. M. Braun. No. 1,257,455; Feb. 26; v. 247; p. 795.
Mowers, Pitman connection for. C. Pearson. No. 1,266,984; May 21; v. 250; p. 644.
Mowers, Roller-mounting for lawn-. W. H. Coldwell. No. 1,279,269; Sept. 17; v. 254; p. 578.
Mowers, Seed-saving attachment for. N. S. Cole. No. 1,253,153; Jan. 8; v. 246; p. 531.
Mowing-machine. T. Brown. No. 1,270,490; June 25; v. 251; p. 748.
Mowing-machine. E. W. Burgess. No. 1,278,103; Sept. 10; v. 254; p. 236.
Mowing-machine. G. A. Garrett. No. 1,287,666; Dec. 17; v. 257; p. 431.
Mowing-machine. R. E. McIntire. No. 1,278,182; Sept. 10; v. 254; p. 256.
Mowing-machine. O. S. Moore and W. N. Metcalf. No. 1,256,153; Feb. 12; v. 247; p. 343.
Mowing-machine. C. Pearson. No. 1,257,386; Feb. 26; v. 247; p. 775.
Mowing-machine. C. Pearson. No. 1,257,387; Feb. 26; v. 247; p. 776.
Mowing-machine. A. H. Reed. No. 1,275,599; Aug. 13; v. 253; p. 376.
Mowing-machine. W. F. Welch. No. 1,279,052; Sept. 17; v. 254; p. 520.
Mowing-machine. E. C. Wilder. No. 1,279,060; Sept. 17; v. 254; p. 523.
Mowing-machine attachment. J. N. Wilbur. No. 1,281,111; Oct. 8; v. 255; p. 300.
Mowing-machine, Chain-sickle. G. O. Greenfield. No. 1,258,671; Mar. 12; v. 248; p. 250.
Mowing-machine gearing. T. Brown. No. 1,270,487; June 25; v. 251; p. 747.
Mowing-machine sickle-head. T. D. Crane. No. 1,257,191; Feb. 19; v. 247; p. 684.
Mowing-machines and harvesters, Cutting apparatus of. C. Pearson. No. 1,281,825; Oct. 15; v. 255; p. 526.
Mowing-machines, Wearing-plate for. H. F. Evans. No. 1,276,195; Aug. 20; v. 253; p. 575.
Mowing or other agricultural machine attachment. J. L. Rumpf. No. 1,289,922; Dec. 31; v. 257; p. 1037.
Mucilage-container. R. B. Goodwin. No. 1,273,478; July 23; v. 252; p. 845.
Mucilage-distributing device. C. H. Payne. No. 1,287,416; Dec. 10; v. 257; p. 339.
Mud-block. W. C. Daniel. No. 1,269,398; June 11; v. 251; p. 391.
Mud-guard for motor-vehicle wheels. S. Q. Stanley. No. 1,254,944; Jan. 29; v. 246; p. 1129.
Mud-guards, Attaching brace and support for. W. R. Green. No. 1,266,251; May 14; v. 250; p. 411.

Mud-hook. H. E. May. No. 1,272,291; July 9; v. 252; p. 465.
Mud or non-skid device, Emergency. A. Hons. No. 1,255,534; Feb. 5; v. 247; p. 122.
Muffle. J. B. Farquhar. No. 1,269,270; June 11; v. 251; p. 357.
Muffle-kiln. J. B. Owens. No. 1,289,890; Dec. 31; v. 257; p. 1028.
Muffle-leer. H. M. Thompson. No. 1,257,150; Feb. 19; v. 247; p. 671.
Muffle-leer. H. M. Thompson. No. 1,281,713; Oct. 15; v. 255; p. 495.
Muffler. H. Andresen. No. 1,272,180; July 9; v. 252; p. 434.
Muffler. W. F. A. Buehner. No. 1,280,386; Oct. 1; v. 255; p. 76.
Muffler. A. R. Dorroh. No. 1,273,159; July 23; v. 252; p. 761.
Muffler. E. P. Gray. No. 1,276,209; Aug. 20; v. 253; p. 579.
Muffler. F. Haddad. No. 1,254,901; Jan. 29; v. 246; p. 1117.
Muffler. F. J. Hauman. No. 1,289,750; Dec. 31; v. 257; p. 994.
Muffler. P. M. Freer. No. 1,255,401; Feb. 5; v. 247; p. 83.
Muffler. D. F. Leary. No. 1,276,935; Aug. 27; v. 253; p. 813.
Muffler. W. H. McMahon. No. 1,272,485; July 16; v. 252; p. 545.
Muffler. W. M. Nordgren. No. 1,255,556; Feb. 5; v. 247; p. 129.
Muffler. W. M. Nordgren. (Reissue.) No. 14,469; May 7; v. 250; p. 233.
Muffler. H. A. Schmidt. No. 1,274,943; Aug. 6; v. 253; p. 171.
Mug, Combined shaving-. G. F. Clevinger. No. 1,280,402; Oct. 1; v. 255; p. 80.
Mule. W. D. Rundlett. No. 1,255,934; Feb. 12; v. 247; p. 277.
Mulsh for regulating soil-water, Impervious. C. F. Eckart. No. 1,276,887; Aug. 27; v. 253; p. 800.
Multicylinder engine. P. Felix. No. 1,276,891; Aug. 27; v. 253; p. 801.
Multicylinder engine. G. N. Goodrich. No. 1,285,129; Nov. 19; v. 256; p. 503.
Multicylinder engine. E. G. Gunn. No. 1,260,375; Mar. 26; v. 248; p. 803.
Multicylinder engines, Lubricating-pump for. P. Hentschke. No. 1,282,082; Oct. 22; v. 255; p. 635.
Multiform chair. C. E. Barnes. No. 1,287,828; Dec. 17; v. 257; p. 472.
Multigraph-machines, Reinking-machine for the ribbons of. S. H. Nuckolls. No. 1,253,869; Jan. 15; v. 246; p. 768.
Multiple-contact strips, Manufacturing. J. N. Reynolds. No. 1,287,101; Dec. 10; v. 257; p. 261.
Multiple drill, &c. F. Nossagk. No. 1,264,429; Apr. 30; v. 249; p. 1075.
Multiple-friction-disk device. C. T. Henderson. No. 1,265,911; May 14; v. 250; p. 316.
Multiple horse holder and releaser. A. Nelson. No. 1,284,428; Nov. 12; v. 256; p. 289.
Multiple orifice-meter. J. P. Fisher. No. 1,273,597; July 23; v. 252; p. 877.
Multiple-socket wrench. S. W. Golding and J. W. Witthause. No. 1,273,774; July 23; v. 252; p. 923.
Multiple-spindle drill, tap, and the like. J. S. Stull. No. 1,263,482; Apr. 23; v. 249; p. 782.
Multiplier. W. Platt. No. 1,283,291; Oct. 29; v. 255; p. 991.
Multiplying-machine. W. D. Beard. No. 1,289,610; Dec. 31; v. 257; p. 960.
Music and motion-pictures, Apparatus for synchronizing. E. W. Myers. No. 1,261,272; Apr. 2; v. 249; p. 79.
Music-cabinet, Piano-stool. F. Gardner. No. 1,275,671; Aug. 13; v. 253; p. 397.
Music-chart. W. L. Robbins. No. 1,286,785; Dec. 3; v. 257; p. 143.
Music-chart. L. F. Van Tine. No. 1,258,832; Mar. 12; v. 248; p. 296.
Music-chart, Electric. B. F. and W. O. Miessner. No. 1,268,376; June 4; v. 251; p. 87.
Music cover, Self-binding sheet-. W. H. Simpson. No. 1,253,435; Jan. 15; v. 246; p. 645.
Music-holder. V. I. Armstrong. No. 1,270,767; July 2; v. 252; p. 4.
Music-holder. S. H. Ring. No. 1,269,859; June 18; v. 251; p. 551.
Music holder, Sheet-. F. M. Cook. No. 1,261,362; Apr. 2, v. 249; p. 106.
Music-leaf turner. C. M. Appleget. No. 1,256,423; Feb. 12; v. 247; p. 424.
Music-leaf turner. T. P. Arsneau. No. 1,271,829; July 9; v. 252; p. 333.
Music-leaf turner. J. J. Baumeister and J. M. Munning. No. 1,264,480; Apr. 30; v. 249; p. 1089.
Music-leaf turner. T. Broz. No. 1,288,822; Dec. 24; v. 257; p. 741.
Music-leaf turner. S. F. Bryan. No. 1,255,703; Feb. 5; v. 247; p. 170.
Music-leaf turner. H. C. Fitch. No. 1,263,876; Apr. 23; v. 249; p. 888.
Music-leaf turner. C. Hurn. No. 1,288,899; Dec. 24; v. 257; p. 760.
Music-leaf turner. M. Jellum. No. 1,255,612; Feb. 5; v. 247; p. 145.
Music-leaf turner. F. H. Johnston. No. 1,253,181; Jan. 8; v. 246; p. 539.
Music-leaf turner. L. M. Larsen. No. 1,277,608; Sept. 3; v. 254; p. 77.
Music-leaf turner. W. Lee. No. 1,270,745; June 25; v. 251; p. 814.
Music-leaf turner. C. C. Lindenberg. No. 1,259,250; Mar. 12; v. 248; p. 413.
Music-leaf turner. G. E. Mowery. No. 1,253,708; Jan. 15; v. 246; p. 723.
Music-leaf turner. J. O. and V. M. Parker. No. 1,253,092; Jan. 8; v. 246; p. 513.
Music-leaf turner. C. R. Patterson. No. 1,258,443; Mar. 5; v. 248; p. 144.
Music-leaf turner. D. F. Reynolds. No. 1,288,197; Dec. 17; v. 257; p. 564.
Music-leaf turner. E. T. Shoblaske. No. 1,257,540; Feb. 26; v. 247; p. 822.
Music-leaf turner. E. M. Simons. No. 1,259,792; Mar. 19; v. 248; p. 600.
Music-leaf turner. C. C. Vaughan. No. 1,251,599; Jan. 1; v. 246; p. 46.
Music-leaf turner. E. Watkins. No. 1,269,349; June 11; v. 251; p. 378.
Music-leaf turner. T. Williams. No. 1,265,568; May 7; v. 250; p. 189.
Music note-sheets, Device for cutting openings in. A. Hughes. No. 1,280,036; Sept. 24; v. 254; p. 818.
Music-player action. R. A. Gally. No. 1,259,010; Mar. 12; v. 248; p. 348.
Music-player-action pianissimo device. R. A. Gally. No. 1,256,467; Feb. 12; v. 247; p. 436.
Music-player exhaust-muffler. R. A. Gally. No. 1,252,373; Jan. 1; v. 246; p. 268.
Music-player foot and power interchange. R. A. Gally. No. 1,258,555; Mar. 5; v. 248; p. 177.
Music-player-pneumatic counterweight. R. A. Gally. No. 1,264,631; Apr. 30; v. 249; p. 1131.
Music-player sticker-action. R. A. Gally. No. 1,275,181; Aug. 6; v. 253; p. 237.
Music-player-tube coupling. R. A. Gally. No. 1,259,846; Mar. 19; v. 248; p. 617.
Music-player valve-action. R. A. Gally. No. 1,273,846; July 30; v. 252; p. 982.
Music-player winding and electric shifter. R. A. Gally. No. 1,263,878; Apr. 23; v. 249; p. 888.
Music-record rolls and the like, Combined cover and filing-cabinet for. W. R. Daughtry. No. 1,252,247; Jan. 1; v. 246; p. 233.
Music-roll. F. C. Billings. No. 1,263,022; Apr. 16; v. 249; p. 631.
Music-roll for player-pianos. F. C. Billings. No. 1,277,180; Aug. 27; v. 253; p. 880.
Music-roll gearing. R. A. Gally. No. 1,255,305; Feb. 5; v. 247; p. 54.
Music-roll gearing. R. A. Gally. No. 1,262,610; Apr. 9; v. 249; p. 486.
Music-roll gearing. R. A. Gally. No. 1,276,342; Aug. 20; v. 253; p. 615.
Music-roll package. P. S. McLean. No. 1,277,098; Aug. 27; v. 253; p. 857.
Music-roll-perforating machine. E. W. Myers. No. 1,256,722; Feb. 19; v. 247; p. 546.
Music-roll perforator. N. C. Ferris. No. 1,257,836; Feb. 26; v. 247; p. 909.
Music-roll spool for automatic musical instruments, Adjustable. C. E. White. No. 1,251,603; Jan. 1; v. 246; p. 48.
Music-rolls, Machine for making. E. W. Myers. No. 1,259,040; Mar. 12; v. 248; p. 357.
Music-rolls or the like, Rack for. A. E. Chernack. No. 1,275,132; Aug. 6; v. 253; p. 223.
Music-sheet-regulator throw-out. R. A. Gally. No. 1,269,071; June 11; v. 251; p. 301.
Music-sheet-travel-control perforations. R. A. Gally. No. 1,271,886; July 9; v. 252; p. 349.
Music-sheet turner. F. Marcellino. No. 1,252,355; Jan. 1; v. 246; p. 262.
Music-sheet with expression-perforations. R. A. Gally. No. 1,257,697; Feb. 26; v. 247; p. 868.
Music-sheet with varied perforations. R. A. Gally. No. 1,258,667; Mar. 12; v. 248; p. 249.
Music-sheets and the like, Tracking device for. C. G. Gilberg. No. 1,272,793; July 16; v. 252; p. 633.
Music-stand. A. Krauth. No. 1,271,328; July 2; v. 252; p. 162.
Music-turner. T. F. Burns. No. 1,270,114; June 18; v. 251; p. 617.
Music-turner. W. H. Mosher. No. 1,271,744; July 9; v. 252; p. 311.
Musical block. W. H. Weber. No. 1,276,839; Aug. 27; v. 253; p. 788.
Musical blocks. E. McOuat. No. 1,284,400; Nov. 12; v. 256; p. 282.
Musical characters and indications, Machine for writing. J. S. Rivera. No. 1,251,922; Jan. 1; v. 246; p. 142.
Musical characters, Device for teaching values of. K. Air and M. Lee. No. 1,286,896; Dec. 10; v. 257; p. 209.

Musical game. M. Diriwachter. No. 1,283,695; Nov. 5; v. 256; p. 68.
Musical hoop. M. T. Broderick. No. 1,258,651; Mar. 12; v. 248; p. 244.
Musical hoop. P. E. Macdonald. No. 1,259,889; Mar. 19; v. 248; p. 629.
Musical instrument. A. Cercone. No. 1,288,382; Dec. 17; v. 257; p. 606.
Musical instrument. J. J. Doll. No. 1,264,164; Apr. 30; v. 249; p. 999.
Musical instrument. G. B. Kelly. No. 1,277,944; Sept. 3; v. 254; p. 168.
Musical instrument. C. F. Stoddard. No. 1,253,744; Jan. 15; v. 246; p. 732.
Musical-instrument air-governor check. H. E. Tower. No. 1,253,110; Jan. 8; v. 246; p. 519.
Musical instrument, Automatic. E. G. Anderson. No. 1,258,386; Mar. 5; v. 248; p. 126.
Musical instrument, Automatic. H. C. Drexelius. No. 1,282,393; Oct. 22; v. 255; p. 721.
Musical instrument, Automatic. R. Kuss. No. 1,283,220; Oct. 29; v. 255; p. 973.
Musical instrument, Automatic. E. L. Ouchie. No. 1,252,479; Jan. 8; v. 246; p. 335.
Musical instrument, Automatic. S. Perla. No. 1,252,835; Jan. 8; v. 246; p. 435.
Musical instrument, Automatic. E. A. Peters. No. 1,286,402; Dec. 3; v. 257; p. 53.
Musical instrument, Automatic. H. B. Schaad. No. 1,264,981; May 7; v. 250; p. 30.
Musical instrument, Automatic. E. W. Scherr, Jr. No. 1,279,013; Sept. 17; v. 254; p. 511.
Musical instrument, Automatic. C. F. Stoddard. No. 1,254,082; Jan. 22; v. 246; p. 848.
Musical instrument, Automatic. C. F. Stoddard. No. 1,262,278; Apr. 9; v. 249; p. 392.
Musical instrument, Automatic. C. F. Stoddard. No. 1,262,279; Apr. 9; v. 249; p. 393.
Musical instrument, Automatic. C. F. Stoddard. No. 1,282,137; Oct. 22; v. 255; p. 652.
Musical instrument, Automatic. W. D. Wamsley. No. 1,275,509; Aug. 13; v. 253; p. 351.
Musical-instrument bellows. R. A. Gally. No. 1,284,886; Nov. 12; v. 256; p. 404.
Musical instrument, Combination. I. E. Marsh. No. 1,256,487; Feb. 12; v. 247; p. 442.
Musical instrument, Combined automatic. S. S. Waters. No. 1,265,559; May 7; v. 250; p. 186.
Musical-instrument coupler. M. L. Severy and G. B. Sinclair. No. 1,255,651; Feb. 5; v. 247; p. 156.
Musical-instrument expression-controller. R. A. Gally. No. 1,257,696; Feb. 26; v. 247; p. 867.
Musical-instrument holder. J. B. Beethoven. No. 1,262,163; Apr. 9; v. 249; p. 361.
Musical instrument known as bones. S. Sussman. No. 1,254,547; Jan. 22; v. 246; p. 982.
Musical instrument, Mechanical. P. B. Klugh. No. 1,261,553; Apr. 2; v. 249; p. 159.
Musical instrument, Mechanical. J. A. Weser. No. 1,289,585; Dec. 31; v. 257; p. 954.
Musical instrument of xylophone type. H. C. Marx. No. 1,285,299; Nov. 19; v. 256; p. 546.
Musical instrument, Pneumatic self-playing. L. B. Doman. No. 1,269,407; June 11; v. 251; p. 393.
Musical-instrument reservoir-check. R. A. Gally. No. 1,265,190; May 7; v. 250; p. 88.
Musical instrument, Self-playing. L. B. Doman. No. 1,269,406; June 11; v. 251; p. 393
Musical instrument, Self-playing. R. Frömsdorf. No. 1,256,464; Feb. 12; v. 247; p. 435.
Musical-instrument stand. J. H. Lamont. No. 1,268,363; June 4; v. 251; p. 84.
Musical-instrument string. A. Nicolle. No. 1,277,744; Sept. 3; v. 254; p. 115.
Musical instrument, Stringed. P. J. Ahachich. No. 1,289,067; Dec. 31; v. 257; p. 825.
Musical instrument, Stringed. O. F. Beer. No. 1,272,257; July 16; v. 252; p. 511.
Musical instrument, Stringed. J. Ferretti. No. 1,275,667; Aug. 13; v. 253; p. 396.
Musical instrument, Stringed. E. D. Wilber. No. 1,259,062; Mar. 12; v. 248; p. 363.
Musical instrument, Stringed. R. A. Wilkins. No. 1,253,550; Jan. 15; v. 246; p. 676.
Musical-instrument valve. R. A. Gally. No. 1,269,529; June 11; v. 251; p. 425.
Musical instrument, Wind. S. Bertocchi. No. 1,252,653; Jan. 8; v. 246; p. 385.
Musical instruments, Controller mechanism for mechanical. C. M. Welte. No. 1,252,064; Jan. 1; v. 246; p. 183.
Musical instruments, Expression-controlling means for electrically-operated. J. F. Kelly. No. 1,281,392; Oct. 15; v. 255; p. 411.
Musical instruments, Expression device for. P. Wiggen. No. 1,278,269; Sept. 10; v. 254; p. 281.
Musical instruments, Expression device for automatic. P. B. Klugh. No. 1,265,792; May 14; v. 250; p. 282.
Musical instruments, Magnet-grouping device for electrical. J. F. Kelly. No. 1,256,804; Feb. 19; v. 247; p. 570.
Musical instruments, Means for controlling the playing of automatic. C. M. Welte. No. 1,284,003; Nov. 5; v. 256; p. 148.
Musical instruments, Note-sheet for automatic. C. F. Stoddard. No. 1,257,042; Feb. 19; v. 247; p. 641.
Musical instruments, Panel and pedal mechanism for. H. J. La Joie. No. 1,261,137; Apr. 2; v. 249; p. 41.
Musical instruments, Perforated note-sheet for automatic. C. F. Stoddard. No. 1,257,043; Feb. 19; v. 247; p. 642.
Musical instruments, Pick for. R. J. Carpenter and T. G. Towner. No. 1,254,577; Jan. 22; v. 246; p. 989.
Musical instruments, Pneumatic tension-regulator for automatic. L. H. Maier. No. 1,279,388; Sept. 17; v. 254; p. 611.
Musical instruments, Pumping mechanism for automatic. S. A. Swanson. No. 1,264,577; Apr. 30; v. 249; p. 1116.
Musical instruments, Soft-tension-graduating device for. T. Danquard. No. 1,287,649; Dec. 17; v. 257; p. 427.
Musical instruments, &c., Sounding device for. W. A. Richter. No. 1,258,463; Mar. 5; v. 248; p. 150.
Musical instruments, Tone-modulating apparatus for self-playing. L. B. Doman. No. 1,256,988; Feb. 19; v. 247; p. 627.
Musical instruments, Tracking device for automatic. W. C. P. Collignon. No. 1,260,968; Mar. 26; v. 248; p. 971.
Musical instruments, Tracking device for automatic. J. A. Weser. No. 1,288,778 Dec. 24; v. 257; p. 732.
Musical reed-pipe instrument. N. Shilzony. No. 1,288,235; Dec. 17; v. 257; p. 572.
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Musical wind instrument. R. Field. No. 1,284,280; Nov. 12; v. 256; p. 250.
Mutoscope. M. H. Spear. No. 1,256,604; Feb. 19; v. 247; p. 512.
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Nail: *See*—
Clamp-nail. Horseshoe-nail.
Furring-nail. Lasting-nail.
Heel-nail. Shoe-nail.
Nail. G. Goddu. No. 1,282,215; Oct. 22; v. 255; p. 672.
Nail. W. H. Holbrook, Sr. No. 1,276,764; Aug. 27; v. 253; p. 769.
Nail. O. W. Mailanen. No. 1,284,734; Nov. 12; v. 256; p. 365.
Nail and like driving machine. J. C. Brehm. No. 1,283,647; Nov. 5; v. 256; p. 55.
Nail-capping machine. H. De Escobales. No. 1,272,634; July 16; v. 252; p. 588.
Nail-driving machine. R. Hansen. No. 1,262,486; Apr. 9; v. 249; p. 450.
Nail-driving machine. J. J. Stepanek. No. 1,262,863; Apr. 16; v. 249; p. 586.
Nail-extractor and hammer. H. K. Johnson. No. 1,261,399; Apr. 2; v. 249; p. 116.
Nail-feeding means. J. Gouldbourn and W. Pratt. No. 1,286,291; Dec. 3; v. 257; p. 26.
Nail-head-shaping machine. G. Goddu. No. 1,283,730; Nov. 5; v. 256; p. 76.
Nail holding and spacing means, Combined. A. C. Fischer. No. 1,263,218; Apr. 16; v. 249; p. 688.
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Nail-making machine. H. H. Eaton. No. 1,285,077; Nov. 19; v. 256; p. 490.
Nail-puller. H. Bartels. No. 1,271,832; July 9; v. 252; p. 334.
Nail-puller. J. Gunning. No. 1,269,555; June 11; v. 251; p. 432.
Nail retainer, Sole-. M. E. Fernald. No. 1,267,065; May 21; v. 250; p. 667.
Nail-set. T. De Stefan. No. 1,264,904; May 7; v. 250; p. 9.
Nail, spike, and the like. A. Von Schrenk. No. 1,273,427; July 23; v. 252; p. 831.
Nail-stripper. G. Marshall. No. 1,286,698; Dec. 3; v. 257; p. 125.
Nail-stripper device. G. Marshall. No. 1,269,544; June 11; v. 251; p. 430.
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Nailing-machine. R. C. Neff. No. 1,263,794; Apr. 23; v. 249; p. 864.
Nailing-machine. W. N. Oehm and H. R. Keithley. No. 1,286,740; Dec. 3; v. 257; p. 133.
Nailing-machine, Two-table. E. C. Northrup. No. 1,251,913; Jan. 1; v. 246; p. 140.
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Nap-brushing machine. E. F. Smith. No. 1,285,438; Nov. 19; v. 256; p. 582.
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Naphthalene series, Production of water-soluble condensation products of the. O. Schmidt and F. Gunther. No. 1,278,229; Sept. 10; v. 254; p. 269.
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Necktie holder and presser. J. L. McPherson. No. 1,253,702; Jan. 15; v. 246; p. 721.
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Neckwear. G. W. Mills, Jr. No. 1,273,262; July 23; v. 252; p. 787.
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Needle-threading device. E. P. Petro. No. 1,278,995; Sept. 17; v. 254; p. 506.
Needles, Apparatus for the manufacture of. E. Heusch. No. 1,259,982; Mar. 19; v. 248; p. 658.
Needles, Detachable presser for spring-beard. F. Wilcomb. No. 1,255,259; Feb. 5; v. 247; p. 41.
Negative-holder. I. S. Bunnell. No. 1,259,355; Mar. 12; v. 248; p. 445.
Negative-retouching device, Mechanical. R. L. Woods. No. 1,256,760; Feb. 19; v. 247; p. 557.
Nest, Automatic trap-. H. J. Markiel. No. 1,253,855; Jan. 15; v. 246; p. 765.
Nest, Hen's. C. W. Bowen. No. 1,286,924; Dec. 10; v. 257; p. 215.
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Nest, Sanitary. J. F. Brooks. No. 1,257,796; Feb. 26; v. 247; p. 897.
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Newspaper and the like conveying apparatus. C. S. Jennings. No. 1,285,720; Nov. 26; v. 256; p. 692.
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Newspaper-conveyers, Switch for. F. W. Fullerton. No. 1,262,767; Apr. 16; v. 249; p. 560.
Newspaper-distributer, Automatic. T. Giardi. No. 1,277,568; Sept. 3; v. 254; p. 65.
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Nickel from nickel-copper alloys, Separating. J. Dhavernas. No. 1,273,465; July 23; v. 252; p. 842.
Nickel from silicate ores, Extraction of. H. W. C. Annable. No. 1,289,072; Dec. 31; v. 257; p. 826.
Nickel-matte or nickel-copper matte, Treating. O. Lellep. No. 1,278,176; Sept. 10; v. 254; p. 254.
Night-light. V. Squeglia. No. 1,259,921; Mar. 19; v. 248; p. 639.
Nipple. M. V. Croker. No. 1,260,152; Mar. 19; v. 248; p. 704.
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Nipple-protector. J. A. Gullery. No. 1,258,766; Mar. 12; v. 248; p. 276.
Niter cake, Utilizing. E. Hart. No. 1,258,895; Mar. 12; v. 248; p. 314.
Nitrate of ammonia, Treatment of. E. Bergve and J. Sundby. No. 1,263,363; Apr. 23; v. 249; p. 747.
Nitrates by means of bacteria, Production of. C. T. Thorssell and H. L. R. Lundén. No. 1,288,754; Dec. 24; v. 257; p. 726.
Nitrates by means of bacteria, Production of. C. T. Thorssell and H. L. R. Lundén. No. 1,288,755; Dec. 24; v. 257; p. 726.
Nitrates from ammonia, ammonium combinations, or organic nitrogen combinations, Production of. C. T. Thorssell and H. L. R. Lundén. No. 1,286,838; Dec. 3; v. 257; p. 155.
Nitrated product and making same. E. A. Barnes. No. 1,273,568; July 23; v. 252; p. 869.
Nitric acid from ammonia, Making. A. A. Wells. No. 1,252,976; Jan. 8; v. 246; p. 478.
Nitric acid, Manufacture of. E. Bergve. No. 1,273,991; July 30; v. 252; p. 1023.
Nitro-acetic esters of cellulose, Making. J. Koetschet and M. Theumann. No. 1,286,025; Nov. 26; v. 256; p. 768.
Nitro compounds and making same from tar-oils. J. R. Mardick. No. 1,258,587; Mar. 5; v. 248; p. 186.
Nitro compounds from liquids, Separating. F. M. G. Johnson. No. 1,271,578; July 9; v. 252; p. 264.
Nitro compounds, Manufacturing. L. W. Andrews. No. 1,283,617; Nov. 5; v. 256; p. 47.
Nitrogen and carbon dioxid, Apparatus for making. C. D. McCourt and C. Ellis. No. 1,289,496; Dec. 31; v. 257; p. 932.
Nitrogen, Apparatus for the fixation of. J. A. Currie. No. 1,263,533; Apr. 23; v. 249; p. 795.
Nitrogen compounds from metal carbids, Production of. V. Thrane. No. 1,273,690; July 23; v. 252; p. 902.
Nitrogen compounds, Manufacture of metal. R. Greulich and H. Lickfett. No. 1,268,240; June 4; v. 251; p. 48.
Nitrogen compounds of metal, Producing. M. Sem. No. 1,256,935; Feb. 19; v. 247; p. 609.
Nitrogen from the air, Production of. C. Andreucci. No. 1,272,181; July 9; v. 252; p. 434.
Nitrogen, Process and apparatus for producing oxids of. C. Rossi. No. 1,266,717; May 21; v. 250; p. 570.
Nitrogen, Production of. M. Shoeld. No. 1,287,472; Dec. 10; v. 257; p. 351.
Nitrogen simultaneously with oxids of nitrogen. Producing. M. Rohmer. No. 1,253,534; Jan. 15; v. 246; p. 671.
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Non-heat-conducting coverings, Making. R. Hagemeister. No. 1,286,602; Dec. 3; v. 257; p. 102.
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Non-skid device. N. S. Beale. No. 1,274,232; July 30; v. 252; p. 1091.
Non-skid device. C. E. Corkran. No. 1,258,318; Mar. 5; v. 248; p. 107.
Non-skid device. H. J. List. No. 1,267,676; May 28; v. 250; p. 862.
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Non-skid device, Automatic. H. Stern. No. 1,257,145; Feb. 19; v. 247; p. 670.
Non-skid device, Automobile. E. G. Hakeman. No. 1,275,554; Aug. 13; v. 253; p. 364.
Non-skid device, Chainless. E. J. Aitken. No. 1,256,420; Feb. 12; v. 247; p. 423.
Non-skid device for automobile-trucks. J. Gajan. No. 1,272,938; July 16; v. 252; p. 675.
Non-skid device for tires. J. Rowe. No. 1,256,732; Feb. 19; v. 247; p. 550.
Non-skid device for vehicle-wheels, Detachable. J. Luebbert and L. Stephany. No. 1,268,257; June 4; v. 251; p. 52.
Non-skid tire-protector. L. C. Cummings. No. 1,285,634; Nov. 26; v. 256; p. 670.
Non-skidding attachment for a wheel. T. C. Davis. No. 1,278,605; Sept. 10; v. 254; p. 370.
Non-skidding attachment for wheel-tires. A. Freirich. No. 1,275,897; Aug. 13; v. 253; p. 460.
Non-skidding device. E. T. Meakin. No. 1,277,333; Aug. 27; v. 253; p. 918.
Non-skidding traction device. A. J. Borst, Jr. No. 1,276,319; Aug. 20; v. 253; p. 608.
Noodle-cutting machine. P. Klimcow. No. 1,288,923; Dec. 24; v. 257; p. 766.
Nose-bag. S. M. Spencer. No. 1,260,087; Mar. 19; v. 248; p. 687.
Nose-ring. E. T. Hatton. No. 1,276,215; Aug. 20; v. 253; p. 580.
Nose-ring. J. H. Scheid. No. 1,276,122; Aug. 20; v. 253; p. 554.
Nose-ring, Animal. C. T. Hancock. No. 1,276,352; Aug. 20; v. 253; p. 618.
Note-accenting device. B. R. Van Valkenburg. No. 1,276,595; Aug. 20; v. 253; p. 686.
Note or check and printing the same. L. Reece. No. 1,261,292; Apr. 2; v. 249; p. 85.
Note-pad. K. V. Rudin. No. 1,259,779; Mar. 19; v. 248; p. 596.
Note-reading device. A. Andree. No. 1,265,720; May 14; v. 250; p. 261.
Note-record. M. J. Philbin. No. 1,277,640; Sept. 3; v. 254; p. 86.
Note-record-card set. M. J. Philbin. (Reissue.) No. 14,518; Sept. 3; v. 254; p. 206.
Note-sheet-controlling brake. W. A. Watson. No. 1,280,598; Oct. 1; v. 255; p. 134.
Note-sheet spool. J. H. Chase. No. 1,260,512; Mar. 26; v. 248; p. 843.
Note-sheet-tracking device. T. Danquard. No. 1,255,296; Feb. 5; v. 247; p. 52.
Novelty. J. J. Reitz. No. 1,280,087; Sept. 24; v. 254; p. 831.
Nozzle. V. E. Mertz. No. 1,280,062; Sept. 24; v. 254; p. 824.
Nozzle. H. H. Ramsay. No. 1,266,856; May 21; v. 250; p. 607.
Nozzle and nozzle-mounting. L. Wilputte. No. 1,274,487; Aug. 6; v. 253; p. 42.
Nozzle, Combined flusher and sprinkler. J. D. Filbin. No. 1,273,349; July 23; v. 252; p. 810.
Nozzle, Discharge-. O. A. Gohmert. No. 1,272,031; July 9; v. 252; p. 392.
Nozzle for bottles, tubes, and the like. A. Henning. No. 1,287,308; Dec. 10; v. 257; p. 312.
Nozzle, Hose-. H. H. Sellers. No. 1,288,232; Dec. 17; v. 257; p. 572.
Nozzle, Multisplitter spray-. G. P. Symonds. No. 1,273,200; July 23; v. 252; p. 772.
Nozzle-plug. E. H. McFarland. No. 1,255,622; Feb. 5; v. 247; p. 147.
Nozzle, Spray-. H. D. Binks. No. 1,282,175; Oct. 22; v. 255; p. 661.
Nozzle, Spray-. H. D. Binks. No. 1,282,176; Oct. 22; v. 255; p. 661.
Nozzle, Spray-. L. H. Miner. No. 1,279,400; Sept. 17; v. 254; p. 614.
Nozzle, Spray-. G. A. Weidlich. No. 1,254,748; Jan. 29; v. 246; p. 1070.
Nozzle, Spraying-. B. E. Millard and F. B. Taylor. No. 1,276,245; Aug. 20; v. 253; p. 587.
Nozzle, Spraying-. O. Smiedel. No. 1,273,685; July 23; v. 252; p. 900.
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Nozzle-thread adapter, Hose-. C. B. Green. No. 1,254,497; Jan. 22; v. 246; p. 966.
Nozzle, Tire-inflation. C. T. Williams. No. 1,270,999; July 2; v. 252; p. 71.
Nozzle, Vacuum-cleaner. L. D. Rudolph. No. 1,278,222; Sept. 10; v. 254; p. 267.
Nozzle, Vaporizer-. J. C. Fuller. No. 1,265,768; May 14; v. 250; p. 276.
Number-illuminating device for motor-vehicles. M. H. Aschner. No. 1,274,838; Aug. 6; v. 253; p. 141.
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Nursery-chair. W. P. Costello. No. 1,270,702; June 25; v. 251; p. 803.
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Nursery chair and table, Combination convertible. T. Ernst. No. 1,277,888; Sept. 3; v. 254; p. 154.
Nut. E. H. McGinnis. No. 1,276,785; Aug. 27; v. 253; p. 774.
Nut and bolt holding device. J. E. Marble. No. 1,261,146; Apr. 2; v. 249; p. 43.
Nut and bolt holding wrench. G. D. Armstrong. No. 1,270,766; July 2; v. 252; p. 4.
Nut and bolt lock. M. E. Bailey. No. 1,275,359; Aug. 13; v. 253; p. 311.
Nut and bolt lock. W. H. Eary. No. 1,278,615; Sept. 10; v. 254; p. 373.
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Nut and washer. R. H. Owen. No. 1,258,440; Mar. 5; v. 248; p. 143.
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Nut-lock. F. Izzo. No. 1,288,599; Dec. 24; v. 257; p. 688.
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Odometer-resetting device. F. A. Ross. No. 1,269,218; June 11; v. 251; p. 343.
Odometer-wheels, Making. T. C. Prouty. No. 1,278,746; Sept. 10; v. 254; p. 407.
Office-partition structure. W. H. H. Mount, Jr. No. 1,267,891; May 28; v. 250; p. 925.
Offset perfecting-machine. D. J. Scott. No. 1,283,328; Oct. 29; v. 255; p. 1000.
Offset perfecting-press. D. J. Scott. No. 1,272,128; July 9; v. 252; p. 420.
Offset perfecting-press. D. J. Scott. No. 1,273,004; July 16; v. 252; p. 693.
Offset perfecting-press. D. J. Scott. No. 1,273,544; July 23; v. 252; p. 862.
Offset perfecting-press. D. J. Scott. No. 1,282,642; Oct. 22; v. 255; p. 788.
Ohmmeter. H. G. Stuart. No. 1,275,786; Aug. 13; v. 253; p. 429.
Oil and gasolene generator and burner. H. Hunt and O. S. Price. No. 1,261,234; Apr. 2; v. 249; p. 67.
Oil barge, Cocoanut-. A. Macdonald. No. 1,284,394; Nov. 12; v. 256; p. 281.
Oil-bath rotary swivel. E. E. Greve. No. 1,259,854; Mar. 19; v. 248; p. 619.
Oil-bearing shale, bitumens, hydrocarbons, and other elements of a volatile nature, Apparatus for the treatment of. J. H. Galloupe. No. 1,283,723; Nov. 5; v. 256; p. 74.
Oil-bolt. R. W. Ray. No. 1,268,999; June 11; v. 251; p. 281.
Oil-bolt. A. D. Ray. No. 1,271,768; July 9; v. 252; p. 316.
Oil-burner. A. Almy. No. 1,265,867; May 14; v. 250; p. 303.
Oil-burner. L. K. Belcher. No. 1,272,896; July 16; v. 252; p. 664.
Oil-burner. L. K. Belcher. No. 1,272,897; July 16; v. 252; p. 664.
Oil-burner. H. and N. G. Brewer. No. 1,252,229; Jan. 1; v. 246; p. 227.
Oil-burner. C. E. Brown. No. 1,281,130; Oct. 8; v. 255; p. 305.
Oil-burner. A. H. Caillouette. No. 1,269,258; June 11; v. 251; p. 354.
Oil-burner. L. S. Chadwick. No. 1,251,638; Jan. 1; v. 246; p. 58.
Oil-burner. L. S. Chadwick. No. 1,255,582; Feb. 5; v. 247; p. 136.
Oil-burner. A. Deem. No. 1,265,754; May 14; v. 250; p. 272.
Oil-burner. J. J. Duket. No. 1,280,425; Oct. 1; v. 255; p. 86.

Oil-burner. A. Fisher. No. 1,287,272; Dec. 10; v. 257; p. 304.
Oil-burner. J. Greene. No. 1,257,341; Feb. 26; v. 247; p. 763.
Oil-burner. W. D. Haynes. No. 1,277,581; Sept. 3; v. 254; p. 68.
Oil-burner. D. I. Hoch. No. 1,268,009; May 28; v. 250; p. 957.
Oil-burner. R. Hoffman. No. 1,254,226; Jan. 22; v. 246; p. 889.
Oil-burner. W. D. M. Howard. No. 1,269,282; June 11; v. 251; p. 360.
Oil-burner. G. A. Humason. No. 1,282,232; Oct. 22; v. 255; p. 677.
Oil-burner. C. A. Japhet. No. 1,262,502; Apr. 9; v. 249; p. 455.
Oil-burner. W. R. Jeavons and A. R. Whitaker. No. 1,258,415; Mar. 5; v. 248; p. 136.
Oil-burner. A. C. Jordan and W. R. Beal. No. 1,268,359; June 4; v. 251; p. 82.
Oil-burner. W. A. Kinney and J. F. Straitz. No. 1,277,320; Aug. 27; v. 253; p. 914.
Oil-burner. A. J. Klunk. No. 1,266,959; May 21; v. 250; p. 636.
Oil-burner. P. R. H. Lenz. No. 1,268,587; June 4; v. 251; p. 147.
Oil-burner. G. W. Lindsay. No. 1,257,896; Feb. 26; v. 247; p. 926.
Oil-burner. W. Mallory. No. 1,276,939; Aug. 27; v. 253; p. 814.
Oil-burner. H. W. Manning. No. 1,289,217; Dec. 31; v. 257; p. 862.
Oil-burner. E. R. Mayer. No. 1,276,243; Aug. 20; v. 253; p. 587.
Oil-burner. W. R. McHill. No. 1,275,453; Aug. 13; v. 253; p. 336.
Oil-burner. D. E. Pepper and H. Strelow. No. 1,252,716; Jan. 8; v. 246; p. 403.
Oil-burner. C. A. Pilquist. No. 1,277,642; Sept. 3; v. 254; p. 87.
Oil-burner. W. R. Ray. No. 1,253,422; Jan. 15; v. 246; p. 642.
Oil-burner. W. R. Ray. No. 1,285,376; Nov. 19; v. 256; p. 566.
Oil-burner. C. W. Russell. No. 1,260,457; Mar. 26; v. 248; p. 825.
Oil-burner. F. J. Scott. No. 1,287,465; Dec. 10; v. 257; p. 349.
Oil-burner. M. C. A. Smedegaard. No. 1,267,811; May 28; v. 250; p. 901.
Oil-burner. A. J. Smith. No. 1,285,437; Nov. 19; v. 256; p. 582.
Oil-burner. G. W. Smith. No. 1,254,283; Jan. 22; v. 246; p. 906.
Oil-burner. J. F. Smith. No. 1,273,942; July 30; v. 252; p. 1010.
Oil-burner. G. A. Spence. No. 1,267,813; May 28; v. 250; p. 902.
Oil-burner. E. G. Teed. No. 1,251,839; Jan. 1; v. 246; p. 121.
Oil-burner. A. E. Van Assche. No. 1,268,514; June 4; v. 251; p. 126.
Oil-burner. C. R. Wassell. No. 1,274,644; Aug. 6; v. 253; p. 87.
Oil-burner and atomizer-slot adjustment. G. B. Von Boden and E. F. Ingles. No. 1,259,811; Mar. 19; v. 248; p. 606.
Oil-burner atomizing-nozzle. H. Hillmann. No. 1,283,768; Nov. 5; v. 256; p. 86.
Oil-burner, Automatic. A. B. Deem. No. 1,253,794; Jan. 15; v. 246; p. 746.
Oil-burner, Centrifugal. M. A. Fesler. No. 1,255,592; Feb. 5; v. 247; p. 139.
Oil burner, Coal-. P. H. Spaulding. No. 1,260,471; Mar. 26; v. 248; p. 829.
Oil burner, Crude-. B. W. Kelly. No. 1,284,361; Nov. 12; v. 256; p. 272.
Oil burner, Crude-. E. T. Worley. No. 1,273,976; July 30; v. 252; p. 1020.
Oil burner, Fuel-. C. C. Delacroix. No. 1,261,494; Apr. 2; v. 249; p. 142.
Oil burner, Fuel-. C. Harvey. No. 1,277,066; Aug. 27; v. 253; p. 848.
Oil-burner mounting. L. E. Jarvis. No. 1,280,747; Oct. 8; v. 255; p. 201.
Oil-burner-regulating valve. A. Q. Nash. No. 1,281,056; Oct. 8; v. 255; p. 285.
Oil burner, Vaporized-. J. F. MacKay. No. 1,266,295; May 14; v. 250; p. 422.
Oil-burner, Wick. H. Ruppel. No. 1,256,375; Feb. 12; v. 247; p. 411.
Oil-burning apparatus. E. H. Peabody and T. B. Stillman, Jr. No. 1,261,281; Apr. 2; v. 249; p. 82.
Oil-burning furnace. K. M. Dahl. No. 1,271,286; July 2; v. 252; p. 151.
Oil-can. J. N. Barhite. No. 1,263,840; Apr. 23; v. 249; p. 878.
Oil-can. C. E. Draper. No. 1,285,074; Nov. 19; v. 256; p. 490.
Oil-can. J. J. Drury. No. 1,264,908; May 7; v. 250; p. 10.
Oil-can. W. L. Ellis. No. 1,261,912; Apr. 9; v. 249; p. 291.
Oil-can. H. P. Finch. No. 1,282,793; Oct. 29; v. 255; p. 857.
Oil-can. J. A. Frost. No. 1,269,544; June 11; v. 251; p. 432.
Oil-can. G. J. Hoefler and O. F. Koehler. No. 1,261,814; Apr. 9; v. 249; p. 266.
Oil-can. O. Kriner. No. 1,263,682; Apr. 23; v. 249; p. 835.
Oil-can. T. N. McNish. No. 1,288,090; Dec. 17; v. 257; p. 537.
Oil-can. H. W. Muhleisen. No. 1,255,833; Feb. 5; v. 247; p. 208.
Oil-can. H. W. Muhleisen. (Reissue.) No. 14,578; Dec. 24; v. 257; p. 801.
Oil-can. J. B. O'Hara. No. 1,268,604; June 4; v. 251; p. 153.
Oil-can. T. Rounds. No. 1,253,890; Jan. 15; v. 246; p. 774.
Oil-can. L. C. Siewert. No. 1,270,337; June 25; v. 251; p. 705.
Oil-can. G. Von Hagel. No. 1,267,721; May 28; v. 250; p. 876.
Oil-can and oiler, Combined. A. S. Tumey. No. 1,284,822; Nov. 12; v. 256; p. 386.
Oil-can bracket. G. W. Yost. No. 1,287,560; Dec. 10; v. 257; p. 373.
Oil-can, Handy. J Boogaard. No. 1,285,606; Nov. 26; v. 256; p. 663.
Oil-can holder. S. B. Conrad and R. C. Miner. No. 1,288,839; Dec. 24; v. 257; p. 745.
Oil-can holder. C. A. D. Mariner. No. 1,289,505; Dec. 31; v. 257; p. 935.
Oil-can, Illuminating. W. G. Bateman. No. 1,285,553; Nov. 19; v. 256; p. 610.
Oil, Clarifying. A. G. Munro. No. 1,284,750; Nov. 12; v. 256; p. 368.
Oil-cloth stand. J. L. Mueller. No. 1,289,872; Dec. 31; v. 257; p. 1024.
Oil-collector. W. Kovnat. No. 1,276,079; Aug. 20; v. 253; p. 542.
Oil composition and making same. R. Boehringer. No. 1,289,097; Dec. 31; v. 257; p. 833.
Oil composition, Hydrogenated-. C. Ellis. No. 1,276,507; Aug. 20; v. 253; p. 662.
Oil composition, Hydrogenated-. C. Ellis. No. 1,276,508; Aug. 20; v. 253; p. 662.
Oil composition, Hydrogenated-. C. Ellis. (Reissue.) No. 14,569; Dec. 17; v. 257; p. 626.
Oil composition, Hydrogenated-. C. Ellis. (Reissue.) No. 14,570; Dec. 17; v. 257; p. 626.
Oil container and pump, Combined heavy-. E. R. Bennett. No. 1,288,481; Dec. 24; v. 257; p. 658.
Oil container and register. F. J. Triipe. No. 1,269,022; June 11; v. 251; p. 287.
Oil-container safety-vent. H. L. Cathey. No. 1,287,223; Dec. 10; v. 257; p. 292.
Oil-control transmission. A. J. Williams. No. 1,269,029; June 11; v 251; p. 289.
Oil, Core-. S. G. Lowe. No. 1,283,237; Oct. 29; v. 255; p. 978.
Oil-cup. H. Bold. No. 1,288,488; Dec. 24; v. 257; p. 660.
Oil-cup. W. Grus, Jr. No. 1,260,373; Mar. 26; v. 248; p. 802.
Oil-cup. E. Nolan. No. 1,288,141; Dec. 17; v. 257; p. 550.
Oil-cup. J. W. Parks. No. 1,277,636; Sept. 3; v. 254; p. 85.
Oil-cup and feeding attachment therefor. J. H. Methven. No. 1,259,264; Mar. 12; v. 248; p. 417.
Oil-cupola. F. E. Dorf. No. 1,257,196; Feb. 19; v. 247; p. 686.
Oil-dehydrating apparatus. R. R. Pollak. No. 1,254,271; Jan. 22; v. 246; p. 902.
Oil-dispensing plant. J. Hancock. No. 1,287,004; Dec. 10; v. 257; p. 236.
Oil-distributer for internal-combustion engines. E. O. Sather. No. 1,252,182; Jan. 1; v. 246; p. 216.
Oil-distributer, Wheel-flange. C. F. Hoofer. No. 1,279,345; Sept. 17; v. 254; p. 599.
Oil-distributing mechanism. W. S. Harley. No. 1,254,799; Jan. 29; v. 246; p. 1086.
Oil-engine. G. Gray. No. 1,266,118; May 14; v. 250; p. 374.
Oil expander, Crude-. S. H. Ramelli. No. 1,270,210; June 18; v. 251; p. 643.
Oil extracting and refining apparatus. E. T. Erickson. No. 1,281,320; Oct. 15; v. 255; p. 390.
Oil-extracting apparatus. W. J. Garnett. No. 1,271,028; July 2; v. 252; p. 78.
Oil-filter. G. W. Wilmot. No. 1,287,160; Dec. 10; v. 257; p. 275.
Oil for distillation, Process of and apparatus for preparing crude. J. O. Jensen. No. 1,268,721; June 4; v. 251; p. 184.
Oil for pressing, Apparatus for cooling wax-bearing. E. P. Folger. No. 1,256,460; Feb. 12; v. 247; p. 434.
Oil from oil-sands, Recovery of. F. Squires. No. 1,263,618; Apr. 23; v. 249; p. 818.
Oil from oil-shale and other carbonaceous materials, Apparatus for recovering. G. W. Wallace. No. 1,283,000; Oct. 29; v. 255; p. 916.

Oil-furnace. J. W. Lewellen. No. 1,289,484; Dec. 31; v. 257; p. 929.
Oil-gage. H. F. Jones. No. 1,275,935; Aug. 13; v. 253; p. 470.
Oil-gage. F. W. Miller. No. 1,281,050; Oct. 8; v. 255; p. 283.
Oil-gage, Crank-case. A. P. Worthington and R. C. Austin. No. 1,266,743; May 21; v. 250; p. 577.
Oil-gage, Folding automobile. T. C. Luce. No. 1,259,538; Mar. 19; v. 248; p. 528.
Oil-gage, Self-cleaning. N. F. Tillery. No. 1,276,831; Aug. 27; v. 253; p. 786.
Oil-gas generator and burner. A. A. Rusteberg. No. 1,273,277; July 23; v. 252; p. 791.
Oil-heater. W. M. Stewart. No. 1,261,176; Apr. 2; v. 249; p. 52.
Oil-lubricator, Automatic. H. Taylor. No. 1,276,446; Aug. 20; v. 253; p. 645.
Oil or like tanks, Vent cap or plug for. A. A. Kramer. No. 1,258,915; Mar. 12; v. 248; p. 319.
Oil or petrol tank and oil or petrol feed apparatus. L. Le Bozec. No. 1,283,228; Oct. 29; v. 255; p. 976.
Oil-pan heater. G. A. Ringlund. No. 1,269,310; June 11; v. 251; p. 368.
Oil-press. M. B. Green. No. 1,252,342; Jan. 1; v. 246; p. 259.
Oil-press. P. Zumberg and J. Sardin. No. 1,277,677; Sept. 3; v. 254; p. 96.
Oil, Product containing hydrogenated. C. Ellis. No. 1,276,509; Aug. 20; v. 253; p. 662.
Oil, Product containing hydrogenated. C. Ellis. (Reissue.) No. 14,568; Dec. 17; v. 257; p. 625.
Oil-protector for brake-drums. A. Boomershine. No. 1,270,776; July 2; v. 252; p. 6.
Oil-refining. S. Brickman. No. 1,279,506; Sept. 24; v. 254; p. 666.
Oil-refining apparatus. H. C. Leete. No. 1,288,934; Dec. 24; v. 257; p. 769.
Oil-refining apparatus. F. E. Wellman. No. 1,273,966; July 30; v. 252; p. 1017.
Oil-refining apparatus. F. E. Wellman. No. 1,275,337; Aug. 13; v. 253; p. 305.
Oil-refining apparatus, Mineral-. C. E. Lapp. No. 1,266,281; May 14; v. 250; p. 419.
Oil-refining apparatus, Mineral-. H. D. Lorch. No. 1,264,668; Apr. 30; v. 249; p. 1141.
Oil-reservoir, Auxiliary. J. Knell. No. 1,251,971; Jan. 1; v. 246; p. 156.
Oil-retainer, Vacuum. L. G. Buckner. No. 1,286,930; Dec. 10; v. 257; p. 216.
Oil-saver. W. T. Bell. No. 1,252,652; Jan. 8; v. 246; p. 384.
Oil-saver, Automatic. W. H. Jacobs. No. 1,281,576; Oct. 15; v. 255; p. 459.
Oil-separator. B. G. Coleman and R. O. Morrison. No. 1,284,245; Nov. 12; v. 256; p. 240.
Oil-separator. J. R. Timmins. No. 1,279,611; Sept. 24; v. 254; p. 696.
Oil-shale, Method of and apparatus for treating. L. H. Rogers. No. 1,269,747; June 18; v. 251; p. 519.
Oil-spout, Adjustable. J. V. Krofta. No. 1,281,588; Oct. 15; v. 255; p. 463.
Oil-still. O. C. Swan. No. 1,284,945; Nov. 12; v. 256; p. 418.
Oil-storage tank. W. M. Bowles. No. 1,264,149; Apr. 30; v. 249; p. 995.
Oil-storage tank. V. Clifford. No. 1,273,033; July 16; v. 252; p. 701.
Oil-storage tank, Hydraulically-operated. F. G. Farr. No. 1,286,970; Dec. 10; v. 257; p. 226.
Oil-stove burner. F. E. White and F. E. Hooper. No. 1,282,663; Oct. 22; v. 255; p. 794.
Oil-switchboard. H. F. Krantz. No. 1,272,677; July 16; v. 252; p. 601.
Oil-tank. W. MacPherson. No. 1,267,434; May 28; v. 250; p. 796.
Oil-tank. W. C. Merrill. No. 1,251,801; Jan. 1; v. 246; p. 108.
Oil-tank and pipe-line. W. C. Merrill. No. 1,287,070; Dec. 10; v. 257; p. 252.
Oil-tester. C. J. Tagliabue. No. 1,263,145; Apr. 16; v. 249; p. 668.
Oil-testers, Burner for closed. C. M. Chapman. No. 1,275,228; Aug. 13; v. 253; p. 274.
Oil vaporizer and burner. H. Price. No. 1,252,301; Jan. 1; v. 246; p. 248.
Oil-varnish and manufacturing same. O. Boecking. No. 1,262,302; Apr. 9; v. 249; p. 398.
Oils and gases, Process and apparatus for the separation of. P. Jones. No. 1,255,018; Jan. 29; v. 246; p. 1148.
Oils and the like, Apparatus for extracting. R. Wells. No. 1,272,744; July 16; v. 252; p. 620.
Oils and the like, Extracting. R. Wells. No. 1,267,611; May 28; v. 250; p. 845.
Oils, Apparatus for the treatment of hydrocarbon. R. Seeger. No. 1,259,786; Mar. 19; v. 248; p. 598.
Oils, Apparatus for treating petroleum-. W. F. M. McCarty. No. 1,274,913; Aug. 6; v. 253; p. 163.
Oils, Apparatus for vaporizing hydrocarbon. C. B. Forward. No. 1,255,149; Feb. 5; v. 247; p. 10.
Oils, Container for hydrocarbon. G. E. Peters. No. 1,262,386; Apr. 9; v. 249; p. 424.
Oils, Eliminating sulfur from. E. V. Evans. No. 1,257,829; Feb. 26; v. 247; p. 907.
Oils, fats, and greases, and of gelatin, Apparatus for extraction of. H. Engel. No. 1,264,288; Apr. 30; v. 249; p. 1035.
Oils, fats, and greases from cloths, and apparatus, Removing. G. W. Nagel. No. 1,256,356; Feb. 12; v. 247; p. 404.
Oils, fats, and greases, Treatment of animal and vegetable. C. F. Paul, Jr. No. 1,264,206; Apr. 30; v. 249; p. 1012.
Oils from fruit-peels, Machine for and method of extracting essential. W. N. Durant. No. 1,287,582; Dec. 10; v. 257; p. 378.
Oils from mineral oils, Making drying-. W. Dyer. No. 1,256,535; Feb. 19; v. 247; p. 492.
Oils, Making drying-. W. and W. E. Dyer. No. 1,256,536; Feb. 19; v. 247; p. 493.
Oils, Manufacture of drying-. F. C. Thiele. No. 1,254,866; Jan. 29; v. 246; p. 1107.
Oils, Method of and apparatus for treating hydrocarbon. E. A. Johnson and W. Snodgrass. No. 1,283,202; Oct. 29; v. 255; p. 968.
Oils, Obtaining. J. Stewart. No. 1,276,822; Aug. 27; v. 253; p. 784.
Oils or fats, Hydrogenating. W. D. Richardson. No. 1,257,397; Feb. 26; v. 247; p. 779.
Oils, Process and apparatus for converting petroleum-. M. J. Trumble. No. 1,281,884; Oct. 15; v. 255; p. 543.
Oils, Process and apparatus for the oxygenation and polymerization of. J. K. Blogg. No. 1,284,572; Nov. 12; v. 256; p. 323.
Oils, Purifying. A. M. McAfee. No. 1,277,329; Aug. 27; v. 253; p. 917.
Oils, Recovering light. R. B. Parker. No. 1,252,481; Jan. 8; v. 246; p. 335.
Oils, Refining and deodorizing raw turpentine-. H. Dedichen and O. Halse. No. 1,253,793; Jan. 15; v. 246; p. 746.
Oils, Refining hydrocarbon. H. T. Maitland. No. 1,272,979; July 16; v. 252; p. 686.
Oils, Refining mineral petroleum-. R. E. Humphreys. No. 1,286,179; Nov. 26; v. 256; p. 805.
Oils, Saturating. A. M. McAfee. No. 1,277,328; Aug. 27; v. 253; p. 916.
Oils, &c., Steaming of. A. Lowenstein. No. 1,274,175; July 30; v. 252; p. 1074.
Oils, Treating. A. Philip. No. 1,286,091; Nov. 26; v. 256; p. 783.
Oils, Treating petroleum-. W. F. M. McCarty. No. 1,274,912; Aug. 6; v. 253; p. 162.
Oiler. J. Haltenberger. No. 1,257,223; Feb. 19; v. 247; p. 693.
Oiler, Animal-. L. W. Hurff. No. 1,289,458; Dec. 31; v. 257; p. 923.
Oiler, Automatic. W. A. Frederick. No. 1,255,087; Jan. 29; v. 246; p. 1167.
Oiler, Automatic. W. A. Frederick. No. 1,255,088; Jan. 29; v. 246; p. 1167.
Oiler, Automatic crank-pin. E. L. Fisk. No. 1,283,130; Oct. 29; v. 255; p. 949.
Oiler, Automobile-leaf-spring. H. F. Alexis. No. 1,275,192; Aug. 13; v. 253; p. 265.
Oiler, Automobile-spring. R. W. Seelye. No. 1,277,649; Sept. 3; v. 254; p. 89.
Oiler, Capillary spring-. G. W. Hall. No. 1,258,672; Mar. 12; v. 248; p. 250.
Oiler, Colter-. H. W. Powell. No. 1,275,597; Aug. 13; v. 253; p. 375.
Oiler, Compressed-air. E. E. Baker and G. H. Snavely. No. 1,260,623; Mar. 26; v. 248; p. 876.
Oiler for journal-boxes, Automatic. J. Gothner. No. 1,282,813; Oct. 29; v. 255; p. 863.
Oiler for leaf-springs, Adjustable. W. Grus, Jr. No. 1,280,719; Oct. 8; v. 255; p. 193.
Oiler, Hand-. R. J. Meitner. No. 1,284,408; Nov. 12; v. 256; p. 284.
Oiler, Hog-. H. W. G. Frink. No. 1,252,256; Jan. 1; v. 246; p. 235.
Oiler, Hog-. A. A. Nasser. No. 1,256,357; Feb. 12; v. 247; p. 404.
Oiler, Hog-. B. E. Sipe. No. 1,252,728; Jan. 8; v. 246; p. 406.
Oiler, Hog-. H. Storjohann. No. 1,270,234; June 18; v. 251; p. 649.
Oiler, Hog-. W. S. Swift. No. 1,276,591; Aug. 20; v. 253; p. 685.
Oiler, Hog-. F. E. Tharp and P. C. Ambler. No. 1,273,014; July 16; v. 252; p. 696.
Oiler, Hog-. B. H. Whaley. No. 1,269,352; June 11; v. 251; p. 379.
Oiler, Leaf-spring. N. C. Bronderslev. No. 1,253,139; Jan. 8; v. 246; p. 527.
Oiler, Leaf-spring. A. R. Visscher. No. 1,279,795; Sept. 24; v. 254; p. 750.
Oiler, Line-shaft. J. P. Collins. No. 1,261,010; Apr. 2; v. 249; p. 6.
Oiler, Machine-. N. Paquette. No. 1,271,753; July 9; v. 252; p. 313.
Oiler, Road-. L. J. Peck. No. 1,279,147; Sept. 17; v. 254; p. 544.

Oiler, Saw-. M. J. Sloan and H. H. Wiggins. No. 1,287,482; Dec. 10; v. 257; p. 353.
Oiler, Twine-. W. Heuer. No. 1,269,604; June 18; v. 251; p. 479.
Oiling axle-spindles with hard oil, Device for. E. H. Cassel. No. 1,267,628; May 28; v. 250; p. 850.
Oiling device. C. Kralicek. No. 1,282,873; Oct. 29; v. 255; p. 880.
Oiling device. D. W. Onan. No. 1,286,398; Dec. 3; v. 257; p. 53.
Oiling device. C. E. Robinson. No. 1,268,281; June 4; v. 251; p. 60.
Oiling device. E. H. Ryon. No. 1,265,119; May 7; v. 250; p. 70.
Oiling device, Animal-. F. H. Schultz. No. 1,276,972; Aug. 27; v. 253; p. 823.
Oiling device for trombone-slides. A. D. Sanuy and C. Engelbert. No. 1,270,215; June 18; v. 251; p. 645.
Oiling device, Saw-. A. Anderson. No. 1,284,035; Nov. 5; v. 256; p. 156.
Oiling device, Spring-. G. W. Haughton. No. 1,268,570; June 4; v. 251; p. 142.
Oiling mechanism for explosive-motors. E. P. Holliday. No. 1,278,655; Sept. 10; v. 254; p. 383.
Oiling system. E. Dickey. No. 1,271,140; July 2; v. 252; p. 109.
Oiling system. J. B. Ferguson. No. 1,275,236; Aug. 13; v. 253; p. 277.
Oiling system. W. A. Rarig. No. 1,288,189; Dec. 17; v. 257; p. 562.
Oiling system for engines. H. Marmon. No. 1,256,242; Feb. 12; v. 247; p. 371.
Oiling system, Motor-. R. Huff. No. 1,270,619; June 25; v. 251; p. 783.
Oiling system, Splash. E. M. White. No. 1,256,754; Feb. 19; v. 247; p. 555.
Oiling systems, Indicator for. P. M. Gelatt. No. 1,274,871; Aug. 6; v. 253; p. 152.
Oiling the inner surfaces of the combustion-chambers of explosion-motors, Device for. K. I. Smidt. No. 1,279,466; Sept. 17; v. 254; p. 631.
Oiling wheel, Non-. H. J. Heider. No. 1,280,460; Oct. 1; v. 255; p. 96.
Oily materials, Purifying. W. P. Schuck. No. 1,260,072; Mar. 19; v. 248; p. 684.
Olives, Curing. W. C. Buhles. No. 1,264,487; Apr. 30; v. 249; p. 1091.
Olives, Curing. H. C. Staley. No. 1,265,130; May 7; v. 250; p. 72.
Opener. S. R. Anderson. No. 1,277,818; Sept. 3; v. 254; p. 135.
Opening means. A. C. Drysdale. No. 1,256,883; Feb. 19; v. 247; p. 595.
Opera-chair. F. W. Adsit. No. 1,282,164; Oct. 22; v. 255; p. 659.
Operating-table. J. V. McManis. No. 1,286,184; Nov. 26; v. 256; p. 806.
Ophthalmic-lens blank. H. C. Mielke. No. 1,285,306; Nov. 19; v. 256; p. 548.
Ophthalmic mounting. L. W. Bugbee. No. 1,266,207; May 14; v. 250; p. 399.
Ophthalmic mounting. H. C. Cady. No. 1,269,383; June 11; v. 251; p. 388.
Ophthalmic mounting. G. H. Day. No. 1,266,225; May 14; v. 250; p. 404.
Ophthalmic mounting. G. H. Day. No. 1,271,859; July 9; v. 252; p 341.
Ophthalmic mounting. G. H. Day. No. 1,282,050; Oct. 22; v. 255; p. 626.
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Ophthalmic mounting. W. E. McDonell. No. 1,264,411; Apr. 30; v. 249; p. 1069.
Ophthalmic mounting. A. L. McKinstry. No. 1,282,097; Oct. 22; v. 255; p. 639.
Ophthalmic mounting. J. N. Nelson. No. 1,263,593; Apr. 23; v. 249; p. 811.
Ophthalmic mounting. E. L. Schumacher. No. 1,265,531; May 7; v. 250; p. 180.
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Ophthalmic-test-lens set. G. A. H. Kellner. No. 1,265,671; May 7; v. 250; p. 216.
Ophthalmic-test-lens tray. E. Kandler. No. 1,285,212; Nov. 19; v. 256; p. 525.
Ophthalmic-test-lens tray. E. Kandler. No. 1,286,339; Dec. 3; v. 257; p. 38.
Optic or photographic instrument. J. H. Stanfield. No. 1,288,730; Dec. 24; v. 257; p. 720.
Optical apparatus. A. P. Jurgensen. No. 1,273,068; July 16; v. 252; p. 710.
Optical appliance. E. A. Willemin. No. 1,289,028; Dec. 24; v. 257; p. 791.
Optical element, Multifocal. A. E. Paige. No. 1,271,356; July 2; v. 252; p. 169.
Optical-illusion device. O. Hudgen. No. 1,268,010; May 28; v. 250; p. 957.
Optical instrument. L. De Florez. No. 1,264,374; Apr. 30; v. 249; p. 1058.
Optical instrument. E. A. Lamphier. No. 1,283,815; Nov. 5; v. 256; p. 99.
Optical instrument. F. Mihalyi. No. 1,267,572; May 28; v. 250; p. 834.
Optical instrument. F. Mihalyi. No. 1,285,775; Nov. 26; v. 256; p. 706.
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Ore-separator, Pneumatic. M. S. and C. F. MacCarthy. No. 1,289,846; Dec. 31; v. 257; p. 1018.
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Ores, Concentrating. T. A. Janney. No. 1,281,018; Oct. 8; v. 255; p. 275.
Ores, Method and apparatus for the electrical reduction of. B. G. Cobb. No. 1,267,976; May 28; v. 250; p. 947.
Ores, Method of and apparatus for subliming and sintering. W. D. Kilbourn. No. 1,278,166; Sept. 10; v. 254; p. 252.
Ores or concentrates therefrom, Treating complex. F. Laist. No. 1,255,440; Feb. 5; v. 247; p. 94.
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Ores, Recovering metals from. C. L. Larson. No. 1,284,910; Nov. 12; v. 256; p. 410.
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Organ-action, Pneumatic. B. G. Austin. No. 1,277,529; Sept. 3; v. 254; p. 54.
Organ stop-action, Combination. J. T. Austin. No. 1,279,492; Sept. 24; v. 254; p. 662.
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Oven, Enamel-. S. Wiester. No. 1,285,862; Nov. 26; v. 256; p. 729.
Oven for burning out invested models. T. W. Maves. No. 1,279,738; Sept. 24; v. 254; p. 732.
Oven-furnace. L. C. Reese. No. 1,253,188; Jan. 8; v. 246; p. 541.
Oven, Gas-. G. A. Young and R. B. Reed. No. 1,287,561; Dec. 10; v. 257; p. 373.
Oven-heat regulator, Automatic. W. E. Turner. No. 1,266,886; May 21; v. 250; p. 615.
Oven-heating means, Baking-. W. F. L. Fisch. No. 1,268,337; June 4; v. 251; p. 76.
Oven or furnace for baking earthenware. G. Litinsky. No. 1,265,097; May 7; v. 250; p. 64.
Oven, Portable folding cooking and heating. I. M. King. No. 1,262,209; Apr. 9; v. 249; p. 374.
Oven, Portable folding cooking and heating. I. M. King. No. 1,262,210; Apr. 9; v. 249; p. 374.
Oven-shelf. M. Todd. No. 1,279,612; Sept. 24; v. 254; p. 696.
Oven-temperature regulator. J. W. Southern. No. 1,273,196; July 23; v. 252; p. 771.
Oven, Thermo-controlled gas-. B. E. Meacham. No. 1,273,644; July 23; v. 252; p. 890.
Oven-tray. F. G. Crane. No. 1,266,412; May 14; v. 250; p. 453.
Oven, Tunnel-. C. Dressler. No. 1,285,647; Nov. 26; v. 256; p. 673.
Ovens, Apparatus for loading and unloading bake-. W. F. Hirschman. No. 1,283,185; Oct. 29; v. 255; p. 964.
Ovens into by-product coke-ovens, Apparatus for converting beehive-. B. Zwillinger. No. 1,269,895; June 18; v. 251; p. 561.
Ovens, Loading and unloading device for baking-. C. H. Putnam. No. 1,287,430; Dec. 10; v. 257; p. 342.
Ovens, Movable floor for bakers'. J. Larraburu. No. 1,257,007; Feb. 19; v. 247; p. 632.
Ovens, Thermostatic temperature-controlling device for electric. F. T. Harding. No. 1,283,507; Nov. 5; v. 256; p. 19.
Ovens, Wall connection for. H. Gehnrich. No. 1,268,707; June 4; v. 251; p. 180.
Overalls and suspenders. O. A. Berman. No. 1,252,221; Jan. 1; v. 246; p. 226.
Overalls and suspenders. O. A. Berman. No. 1,256,768; Feb. 19; v. 247; p. 560.
Overflow attachment, Adjustable. A. E. Mueller. No. 1,262,545; Apr. 9; v. 249; p. 467.
Overgarment. D. J. Barrett. No. 1,277,828; Sept. 3; v. 254; p. 138.
Overload apparatus. J. H. Hall. No. 1,273,101; July 16; v. 252; p. 718.
Overload on motors and other driving elements, Automatic safety device for preventing. P. H. Lacey. No. 1,274,722; Aug. 6; v. 253; p. 110.
Overload-switch. J. K. Delano, Jr. No. 1,261,777; Apr. 9; v. 249; p. 255.
Overseaming-machine. J. R. Moffatt. No. 1,275,287; Aug. 13; v. 253; p. 290.
Overseaming-machines, Feeding mechanism for. L. Onderdonk. No. 1,275,295; Aug. 13; v. 253; p. 293.
Overshoe. A. Johnson. No. 1,276,928; Aug. 27; v. 253; p. 811.
Overshoe. C. E. Laybourn. No. 1,258,024; Mar. 5; v. 248; p. 23.
Overshoe, Arctic. F. E. Payne. No. 1,286,760; Dec. 3; v. 257; p. 137.
Overshoe attachment. W. H. Tillson. No. 1,280,900; Oct. 8; v. 255; p. 244.
Overshoe-retainer. T. J. Brown. No. 1,253,140; Jan. 8; v. 246; p. 527.
Overshoes or rubbers to shoes, Device for fastening. G. F. Rauch. No. 1,268,616; June 4; v. 251; p. 156.
Oxalates, Manufacturing. L. W. Andrews. No. 1,280,622; Oct. 8; v. 255; p. 167.
Oxalates, Manufacturing. L. W. Andrews. No. 1,281,117; Oct. 8; v. 255; p. 302.
Oxalates, Manufacturing. L. W. Andrews. No. 1,281,118; Oct. 8; v. 255; p. 302.
Oxalic acid, Production of. C. T. Thorssell and H. L. R. Lundén. No. 1,251,938; Jan. 1; v. 246; p. 146.
Oxid-of-manganese depolarizing material, Preparation of higher. C. Ellis and A. A. Wells. No. 1,275,666; Aug. 13; v. 253; p. 396.
Oxids, Reduction of metallic. P. R. Hershman. No. 1,273,220; July 23; v. 252; p. 777.
Oxidizing ammonia or ammonium or organic nitrogen combinations. C. T. Thorssell and H. L. R. Lundén. No. 1,288,756; Dec. 24; v. 257; p. 726.
Oxidizing ammonium sulfite to ammonium sulfate. H. Danneel and E. Kuhn. No. 1,274,247; July 30; v. 252; p. 1095.
Oxidizing apparatus. M. J. Chaplin. No. 1,272,009; July 9; v. 252; p. 386.
Oxidizing side chains of aromatic hydrocarbons. H. D. Gibbs. No. 1,284,887; Nov. 12; v. 256; p. 404.
Oxycholesterin, Obtaining. I. Lifschütz. No. 1,284,724; Nov. 12; v. 256; p. 362.
Oxygen-inhaling device. H. E. Easly. No. 1,288,850; Dec. 24; v. 257; p. 748.
Oxysalt composition and making the same. C. Catlett. No. 1,282,188; Oct. 22; v. 255; p. 665.
Ozonizer. J. E. Warman. No. 1,257,053; Feb. 19; v. 247; p. 644.
Pack-frame. J. H. Clack. No. 1,282,756; Oct. 29; v. 255; p. 846.
Package. W. H. Albert. No. 1,286,486; Dec. 3; v. 257; p. 76.
Package. E. H. Angier. No. 1,282,167; Oct. 22; v. 255; p. 659.
Package. J. W. Barber. No. 1,253,564; Jan. 15; v. 246; p. 681.
Package. J. J. Flanigan. No. 1,284,082; Nov. 5; v. 256; p. 170.
Package. J. J. Flanigan. No. 1,288,401; Dec. 17; v. 257; p. 611.
Package. T. B. Rice. No. 1,274,198; July 30; v. 252; p. 1081.
Package. J. M. Teahen. No. 1,272,145; July 9; v. 252; p. 425.
Package. E. W. Wilson. No. 1,254,755; Jan. 29; v. 246; p. 1072.
Package. J. S. Yergason. No. 1,263,185; Apr. 16; v. 249; p. 679.
Package and baggage tie. V. B. Bright. No. 1,251,470; Jan. 1; v. 246; p. 5.
Package and making the same, Hermetically-sealed. W. Van Loenen. No. 1,281,722; Oct. 15; v. 255; p. 498.
Package-container. S. J. Bens. No. 1,254,966; Jan. 29; v. 246; p. 1134.
Package-filling machine. E. Van Hoofstadt. No. 1,271,244; July 2; v. 252; p. 139.
Package-handling device. L. Krawiec. No. 1,280,618; Oct. 1; v. 255; p. 140.
Package-holder. H. Hellweg. No. 1,285,162; Nov. 19; v. 256; p. 512.
Package, Metal. J. W. Darley, Jr. No. 1,258,538; Mar. 5; v. 248; p. 171.
Package-reacher. J. Tichacek. No. 1,277,778; Sept. 3; v. 254; p. 125.
Package-tie. J. I. Brorby. No. 1,263,518; Apr. 23; v. 249; p. 791.
Package-tie. T. J. Browning. No. 1,263,523; Apr. 23; v. 249; p. 793.
Package-tie. A. Burton. No. 1,283,658; Nov. 5; v. 256; p. 58.
Package-tie. J. and M. Carlson. No. 1,275,130; Aug. 6; v. 253; p. 222.
Package-tie. E. F. Cobb. No. 1,271,436; July 2; v. 252; p. 190.
Package-tie. R. E. Conner. No. 1,255,986; Feb. 12; v. 247; p. 294.
Package-tie. R. J. Creighton. No. 1,265,060; May 7; v. 250; p. 53.
Package-tie. G. T. Cull. No. 1,254,206; Jan. 22; v. 246; p. 884.
Package-tie. N. Cunningham. No. 1,268,937; June 11; v. 251; p. 263.
Package-tie. J. W. De Camp. No. 1,267,539; May 28; v. 250; p. 853.
Package-tie. W. C. Fawkes. No. 1,267,648; May 28; v. 250; p. 855.
Package-tie. M. Forcoz. No. 1,287,944; Dec. 17; v. 257; p. 501.
Package-tie. J. Hoffman. No. 1,253,972; Jan. 15; v. 246; p. 796.
Package-tie. S. A. Kingham. No. 262,514; Apr. 9; v. 249; p. 458.
Package-tie. N. J. Lloyd. No. 1,262,815; Apr. 16; v. 249; p. 572.
Package-tie. L. M. Mayne. No. 1,280,060; Sept. 24; v. 254; p. 823.
Package-tie. A. R. McFadden. No. 1,272,482; July 16; v. 252; p. 544.
Package-tie. F. F. Meier. No. 1,283,252; Oct. 29; v. 255; p. 982.

Package-tie. J. T. Melson. No. 1,275,169; Aug. 6; v. 253; p. 233.
Package-tie. B. Mills. No. 1,280,064; Sept. 24; v. 254; p. 824.
Package-tie. A. W. Rollins. No. 1,259,673; Mar. 19; v. 248; p. 565.
Package-tie. J. P. Spies. No. 1,252,624; Jan. 8; v. 246; p. 376.
Package-tie. H. A. Townsley. No. 1,265,279; May 7; v. 250; p. 112.
Package-tie. H. A. Walton. No. 1,258,507; Mar. 5; v. 248; p. 162.
Package-tie. M. J. Ward. No. 1,263,491; Apr. 23; v. 249; p. 784.
Package-tie. H. H. Werges. No. 1,279,191; Sept. 17; v. 254; p. 556.
Package-tie. C. D. Young. No. 1,263,506; Apr. 23; v. 249; p. 789.
Package tie and handle. F. J. Anderson. No. 1,255,273; Feb. 5; v. 247; p. 45.
Package tie or holder. J. Kolibas. No. 1,281,586; Oct. 15; v. 255; p. 462.
Package-tying device. R. L. Radford. No. 1,271,767; July 9; v. 252; p. 316.
Package, Wound. E. C. West. No. 1,289,987; Dec. 31; v. 257; p. 1052.
Package, Wrapped. J. D. Reifsnyder. No. 1,257,393; Feb. 26; v. 247; p. 777.
Package-wrapping machine. A. F. Wells. No. 1,266,085; May 14; v. 250; p. 364.
Packages, Closure for discharge-apertures in. C. L. Weil. No. 1,268,901; June 11; v. 251; p. 253.
Packages, Device for holding loose articles in. G. F. Dillon. No. 1,258,099; Mar. 5; v. 248; p. 44.
Packages, Machine for use in making metal-bound. N. E. Brown. No. 1,276,484; Aug. 20; v. 253; p. 655.
Packaging apparatus. A. A. Carper. No. 1,271,432; July 2; v. 252; p. 189.
Packaging-machine. A. Godfrey. No. 1,283,153; Oct. 29; v. 255; p. 956.
Packaging merchandise. P. Freygang. No. 1,258,887; Mar. 12; v. 248; p. 312.
Packed material, Package attachment for loosening. A. J. Acker. No. 1,263,306; Apr. 16; v. 249; p. 710.
Packer-rim. J. C. Sindt. No. 1,270,560; June 25; v. 251; p. 767.
Packer, Silage-. L. A. Teter. No. 1,279,938; Sept. 24; v. 254; p. 791.
Packet article, Folding. G. Kupec. No. 1,282,875; Oct. 29; v. 255; p. 880.
Packet for transparent bulletins. C. V. Rucker. No. 1,271,775; July 9; v. 252; p. 318.
Packing. N. B. Miller. No. 1,265,233; May 7; v. 250; p. 100.
Packing. W. A. Young. No. 1,261,670; Apr. 2; v. 249; p. 192.
Packing and making same, Metallic. J. Crane and F. E. Payne. No. 1,271,526; July 2; v. 252; p. 215.
Packing and shipping cases, Sealing means for. G. M. Williams. No. 1,287,546; Dec. 10; v. 257; p. 369.
Packing and the like. C. Steenstrup. No. 1,279,474; Sept. 17; v. 254; p. 634.
Packing-box. R. J. Boyd. No. 1,280,652; Oct. 8; v. 255; p. 175.
Packing-box. A. J. Hodge. No. 1,258,901; Mar. 12; v. 248; p. 315.
Packing-box for piston-rods. A. O. Van Dervort. No. 1,289,974; Dec. 31; v. 257; p. 1049.
Packing-case. W. S. Johnson. No. 1,260,390; Mar. 26; v. 248; p. 807.
Packing case, box, or carton. A. A. Brown. No. 1,281,501; Oct. 15; v. 255; p. 440.
Packing-cases, Apparatus for sealing. P. D. Parsons. No. 1,273,531; July 23; v. 252; p. 859.
Packing composition, Plastic. J. D. Riley and J. L. Lovell. No. 1,270,056; June 18; v. 251; p. 602.
Packing device. L. H. Martell. No. 1,272,288; July 9; v. 252; p. 464.
Packing device. F. Pruyn. No. 1,255,789; Feb. 5; v. 247; p. 195.
Packing device for fragile articles. E. J. Tiede. No. 1,282,656; Oct. 22; v. 255; p. 792.
Packing, Expansible annular. G. Berggren. No. 1,283,461; Nov. 5; v. 256; p. 6.
Packing for journal-boxes. F. L. Ingraham. No. 1,279,700; Sept. 24; v. 254; p. 722.
Packing for pistons. G. Honegger. No. 1,284,341; Nov. 12; v. 256; p. 266.
Packing for pistons, Metallic. N. S. Williams. No. 1,288,343; Dec. 17; v. 257; p. 597.
Packing-gland. M. A. Enger. No. 1,256,780; Feb. 19; v. 247; p. 563.
Packing ground or comminuted material, Apparatus for. R. G. Clark. No. 1,275,661; Aug. 13; v. 253; p. 394.
Packing-machine. J. W. Cox. No. 1,289,677; Dec. 31; v. 257; p. 976.
Packing-machine. J. J. Richter. No. 1,283,562; Nov. 5; v. 256; p. 32.
Packing-machines, Can-spout for. G. W. Gwinn. No. 1,280,989; Oct. 8; v. 255; p. 266.
Packing-machines, Package-inserting device for. J. W. Leary. No. 1,287,357; Dec. 10; v. 257; p. 325.
Packing-machines, Plunger moistening and cleaning device for. B. J. Tuck. No. 1,276,452; Aug. 20; v. 253; p. 646.
Packing manufacture, Piston-. H. C. Loudenbeck. No. 1,286,681; Dec. 3; v. 257; p. 120.
Packing, Metallic. P. O'Meara. No. 1,256,248; Feb. 12; v. 247; p. 372.
Packing, Metallic. A. R. Trist. No. 1,282,498; Oct. 22; v. 255; p. 749.
Packing, Metallic piston-. S. S. Kurtz, Jr. No. 1,280,493; Oct. 1; v. 255; p. 105.
Packing or shipping case. R. Miller, Jr. No. 1,256,031; Feb. 12; v. 247; p. 306.
Packing, Piston-. H. G. Chatain. No. 1,264,012; Apr. 23; v. 249; p. 925.
Packing, Piston-. G. Christenson. No. 1,273,736; July 23; v. 252; p. 913.
Packing, Piston-. G. Christenson. No. 1,273,737; July 23; v. 252; p. 913.
Packing, Piston-. E. Duchesne. No. 1,278,316; Sept. 10; v. 254; p. 293.
Packing, Piston-. C. H. Miles. No. 1,260,009; Mar. 19; v. 248; p. 665.
Packing, Piston-. H. M. Vasconcellos. No. 1,287,527; Dec. 10; v. 257; p. 365.
Packing-ring. T. J. Fay. No. 1,284,279; Nov. 12; v. 256; p. 250.
Packing-ring. A. J. Mummert. No. 1,254,720; Jan. 29; v. 246; p. 1062.
Packing-ring. Z. Schultes. No. 1,267,124; May 21; v. 250; p. 684.
Packing-ring and making same. G. Christenson. No. 1,273,738; July 23; v. 252; p. 913.
Packing-ring, Metallic. F. Deventer. No. 1,256,881; Feb. 19; v. 247; p. 595.
Packing-ring, Piston. E. R. Bales. No. 1,267,169; May 21; v 250; p. 697.
Packing-ring, Piston. J. T. Wilson. No. 1,282,347; Oct. 22; v. 255; p. 708.
Packing, Rod-. J. T. Clarke. No. 1,289,664; Dec. 31; v. 257; p. 973.
Packing, Rod-. H. A. Hoke. No. 1,263,769; Apr. 23; v. 249; p. 857.
Packing, Rotary piston-. W. G. E. Rolaff. No. 1,280,306; Oct. 1; v. 255; p. 54.
Packing, Shaft-. F. T. Nolan. No. 1,265,488; May 7; v. 250; p. 169.
Packing, Shaft-. A. J. Schantz. No. 1,279,452; Sept. 17; v. 254; p. 627.
Packing, Shaft-bearing. C. W. McKinley. No. 1,279,131; Sept. 17; v. 254; p. 540.
Packing, Stuffing-box. S. T. Hiatt. No. 1,277,072; Aug. 27; v. 253; p. 850.
Packing system. G. C. Hicks, Jr. No. 1,258,218; Mar. 5; v. 248; p. 78.
Packing-table. A. L. Bausman. No. 1,276,007; Aug. 20; v. 253; p. 522.
Packing, Valve-. C. F. Wallace and M. F. Tiernan. No. 1,283,994; Nov. 5; v. 256; p. 146.
Pad: *See*—
Collar-pad.
Cushion-pad.
Desk-pad.
Disinfectant-pad.
Foot-treatment pad.
Gripper-pad.
Hand-pad.
Heating-pad.
Heel-pad.
Hoof-pad.
Hose-supporter pad.
Illuminated note-pad.
Inking-pad.
Knee-pad.
Neck-pad.
Note-pad.
Protecting-pad.
Seat-pad.
Shoulder-pad.
Tongue-pad.
Truss-pad.
Writing-pad.
Pad and pencil holder. C. T. Raschick. No. 1,283,557; Nov. 5; v. 256; p. 31.
Pad-holder and ticket-punch, Combined. C. T. Raschick. No. 1,276,691; Aug. 20; v. 253; p. 711.
Pad holder or case. F. A. Fuller. No. 1,273,353; July 23; v. 252; p. 812.
Pad-stuffing machine. E. G. Edmonson. No. 1,272,027; July 9; v. 252; p. 391.
Paddle and oar. H. L. Haskell. No. 1,263,411; Apr. 23; v. 249; p. 760.
Padlock. A. C. R. Johnsdorf. No. 1,253,249; Jan. 15; v. 246; p. 588.
Padlock. F. Kovalski. No. 1,252,815; Jan. 8; v. 246; p. 430.
Padlock. G. Pongracz. No. 1,270,205; June 18; v. 251; p. 642.
Padlock. J. Schechter. No. 1,256,168; Feb. 12; v. 247; p. 348.
Padlock. E. R. Schreiter, Jr. No. 1,289,279; Dec. 31; v. 257; p. 878.
Padlock. E. B. Stone. No. 1,271,382; July 2; v. 252; p. 176.
Padlock, Combination-. G. Tavra. No. 1,265,136; May 7; v. 250; p. 74.
Padlock, Keyless. A. L. Brown. No. 1,286,521; Dec. 3; v. 257; p. 84.
Padlock, Link-. J. S. Rudzinski. No. 1,253,100; Jan. 8; v. 246; p. 516.
Padlock, Permutation-. A. G. Jacobson and A. J. Brown. No. 1,274,051; July 30; v. 252; p. 1039.

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Padlock, Permutation-. G. E. B. Jakopets. No. 1,259,519; Mar. 19; v. 248; p. 523.
Padlock, Permutation-. W. J. Morgan. No. 1,268,755; June 4; v. 251; p. 193.
Padlock, Permutation-. H. O. Nielsen. No. 1,257,013; Feb. 19; v. 247; p. 634.
Padlock, Permutation-. A. Papini. No. 1,252,715; Jan. 8; v. 246; p. 402.
Pail. A. B. Greenfield. No. 1,263,231; Apr. 16; v. 249; p. 691.
Pail attachment, Milk-. R. C. Whipple. No. 1,284,515; Nov. 12; v. 256; p. 310.
Pail-cover attachment. R. Poulson. No. 1,271,756; July 9; v. 252; p. 313.
Pail, Douche-. L. J. Lelievre. No. 1,259,111; Mar. 12; v. 248; p. 376.
Pail-holder. P. H. Black. No. 1,268,916; June 11; v. 251; p. 258.
Pail holder, Milk-. J. A. Laclair. No. 1,266,827; May 21; v. 250; p. 600.
Pail, Milk-. L. E. Alexander. No. 1,274,131; July 30; v. 252; p. 1063.
Pail, Milk-. P. M. Millenaar. No. 1,269,950; June 18; v. 251; p. 574.
Pail, Mop-. C. E. Van Doorn. No. 1,253,649; Jan. 15; v. 246; p. 705.
Pail, Sanitary milk- W. Catlin. No. 1,268,792; June 4; v. 251; p. 205.
Pail support, Water-. H. F. Thompson. No. 1,276,285; Aug. 20; v. 253; p. 599.
Paint. J. C. Benneche. No. 1,287,836; Dec. 17; v. 257; p. 474.
Paint. E. Tufte. No. 1,269,980; June 18; v. 251; p. 582.
Paint and making paint-thinner, Thinned. W. and W. E. Dyer. No. 1,256,537; Feb. 19; v. 247; p. 493.
Paint and making same. F. W. Sperr, Jr. No. 1,275,778; Aug. 13; v. 253; p. 427.
Paint and varnish. Composition for removing. C. McAdam. No. 1,274,430; Aug. 6; v. 253; p. 25.
Paint composition. E. E. Mohney. No. 1,280,067; Sept. 24; v. 254; p. 825.
Paint, Composition of. F. W. Mueller. No. 1,260,012; Mar. 19; v. 248; p. 666.
Paint, Damp-proof. A. H. King and B. Conners. No. 1,277,425; Sept. 3; v. 254; p. 27.
Paint-dissolver. H. Catlett. No. 1,280,162; Oct. 1; v. 255; p. 13.
Paint-mixer. G. D. Coleman. No. 1,279,515; Sept. 24; v. 254; p. 668.
Paint-mixing tool. L. J. Lundahl. No. 1,281,610; Oct. 15; v. 255; p. 469.
Paint, Recovering materials from. J. F. Lostumo and A. H. Olander. No. 1,279,888; Sept. 24; v. 254; p. 777.
Paint-vehicle and making same. W. I. Baker. No. 1,278,290; Sept. 10; v. 254; p. 286.
Paint-vehicle and making same. W. G. Hall. No. 1,279,106; Sept. 17; v. 254; p. 534.
Painter, Pavement-. S. R. Wilson. No. 1,268,524; June 4; v. 251; p. 130.
Painter's combination-tool. C. S. Orr. No. 1,261,844; Apr. 9; v. 249; p. 274.
Painting apparatus. J. S. Gilmer. No. 1,252,103; Jan. 1; v. 246; p. 194.
Painting apparatus, Automatic. C. H. Parmeley. No. 1,254,429; Jan. 22; v. 246; p. 947.
Painting or coating wire, Apparatus for. C. J. Mogan. No. 1,256,815; Feb. 19; v. 247; p. 574.
Painting, Preparing pickled iron and steel for. J. H. Gravell. No. 1,279,101; Sept. 17; v. 254; p. 533.
Painting, varnishing, or coating machine. W. W. Sherwood. No. 1,251,701; Jan. 1; v. 246; p. 78.
Paintings and other pictures, Reproduction or imitation of oil-. R. Sauber. No. 1,261,630; Apr. 2; v. 249; p. 181.
Pajamas, Union-. P. A. Luckett. No. 1,267,677; May 28; v. 250; p. 863.
Pamphlet-covering machine. T. S. Etheridge. No. 1,274,154; July 30; v. 252; p. 1069.
Pamphlet-covering machine. P. Pachter. (Reissue.) No. 14,560; Dec. 10; v. 257; p. 384.
Pan: *See*—
Ash-pan.
Baking-pan.
Bed-pan.
Dish-pan.
Dust-pan.
Frying-pan.
Insect-catching pan.
Locomotive ash-pan.
Mower dump seed-pan.
Roasting-pan.
Scale-pan.
Vulcanizing-pan.
Pan cleaning and greasing machine. H. Gottschalk. No. 1,282,570; Oct. 22; v. 255; p. 768.
Pan cleaning and greasing machine. T. H. Keller. No. 1,289,475; Dec. 31; v. 257; p. 927.
Pan-counterweight. G. H. Cheney. No. 1,269,051; June 11; v. 251; p. 296.
Pan cover, Pie-. R. M. Burns. No. 1,251,860; Jan. 1; v. 246; p. 127.
Pan-extractor for balances, Mechanical. W. Heusser. No. 1,264,794; Apr. 30; v. 249; p. 1173.
Pan-lifter. J. Peterson. No. 1,273,785; July 23; v. 252; p. 926.
Pan-lifter. L. D. Whitaker. No. 1,256,626; Feb. 19; v. 247; p. 519.
Pan-lifter. F. H. Wilson. No. 1,288,346; Dec. 17; v. 257; p. 598.
Pan-rack. E. Albright. No. 1,272,175; July 9; v. 252; p. 432.
Panel and pedal operating mechanism. H. J. La Joie. No. 1,273,382; July 23; v. 252; p. 819.
Panel-board. H. F. Krantz. No. 1,273,623; July 23; v. 252; p. 884.
Panel-board and cabinet therefor, Metering. W. Wurdack. No. 1,269,770; June 18; v. 251; p. 526.
Panel-board support. E. A. Olley. No. 1,265,364; May 7; v. 250; p. 135.
Panel construction. A. J. Horton. No. 1,281,376; Oct. 15; v. 255; p. 407.
Panel construction. F. W. Williams. No. 1,289,029; Dec. 24; v. 257; p. 791.
Panel, Metering-. E. F. Edgecombe, Jr. No. 1,276,043; Aug. 20; v. 253; p. 532.
Panel, Self-actuating safety-. H. F. Krantz. (Reissue.) No. 14,498; July 30; v. 252; p. 1125.
Panoramagraph. J. J. Tartt. No. 1,282,006; Oct. 15; v. 255; p. 573.
Pantograph-trolley. C. Aalborg. No. 1,278,815; Sept. 17; v. 254; p. 457.
Pants-hanger. C. E. Reed. No. 1,260,451; Mar. 26; v. 248; p. 824.
Paper and making same, Reinforced impervious. A. Schenkelberger. No. 1,270,250; June 18; v. 251; p. 654.
Paper and making the same, Reinforced. W. M. Wheildon. No. 1,269,140; June 11; v. 251; p. 320.
Paper and making the same, Writing-. S. Kuroki. (Reissue.) No. 14,499; July 30; v. 252; p. 1127.
Paper article, Reinforced-. P. Poetschke. No. 1,274,323; July 30; v. 252; p. 1115.
Paper-bag holder. W. D. Elliot. No. 1,273,341; July 23; v. 252; p. 807.
Paper-bag holder. E. A. Whorley. No. 1,281,241; Oct. 8; v. 255; p. 337.
Paper-bag-making machine. P. L. Bartholomew. No. 1,283,454; Nov. 5; v. 256; p. 4.
Paper-bag-making machine. D. W. Snyder. No. 1,265,270; May 7; v. 250; p. 110.
Paper bags, Bottom-forming mechanism for. J. Perry. No. 1,269,503; June 11; v. 251; p. 419.
Paper bags, Means for forming. H. Frehrs. No. 1,268,107; June 4; v. 251; p. 11.
Paper-board-cutting mechanism. J. T. Ferres. No. 1,258,327; Mar. 5; v. 248; p. 110.
Paper-board for closures, containers, and the like, Moldable. H. W. Stokes. No. 1,265,132; May 7; v. 250; p. 73.
Paper-board, Machine for cutting corrugated. M. L. Twomley and G. S. Wright. No. 1,281,231; Oct. 8; v. 255; p. 334.
Paper-board, Machine for making corrugated. F. G. Feeley. No. 1,264,041; Apr. 23; v. 249; p. 933.
Paper bottle. J. L. Murphy. No. 1,257,628; Feb. 26; v. 247; p. 848.
Paper bottle. J. H. Perrault. No. 1,265,506; May 7; v. 250; p. 174.
Paper bottle and manufacturing same. J. H. Perrault. No 1,265,505; May 7; v. 250; p. 174.
Paper bottle and opener. J. H. Perrault. No 1,265,507; May 7; v. 250; p. 174.
Paper bottle and the like. W. L. Wright. No. 1,251,727; Jan. 1; v. 246; p. 85.
Paper-bottle-bottom-spinning machine. M. P. Janisch. No. 1,283,786; Nov. 5; v. 256; p. 90.
Paper box. J. W. Hill. No. 1,253,193; Jan. 8; v. 246; p. 543.
Paper box. H. L. Myers. No. 1,277,459; Sept. 3; v. 254; p. 35.
Paper-box-forming machine. E. E. Johnson. No 1,287,032; Dec. 10; v. 257; p. 242.
Paper-box handle. C. J. Freese. No. 1,268,706; June 4; v. 251; p. 180.
Paper-box machine. S. Cooper. No. 1,289,673; Dec. 31; v. 257; p. 974.
Paper-box machine. O. R. Hincher. No. 1,287,312 Dec. 10; v. 257; p. 313.
Paper-box machine. W. B. Morton. No. 1,271,604; July 9; v. 252; p. 271.
Paper-box-taping machine. J. J. and E. V. McMurtry. No. 1,274,065; July 30; v. 252; p. 1043.
Paper boxes, Machine for applying flies to. W. C. Carlson. No. 1,269,259; June 11; v. 251; p. 354.
Paper boxes, Making reinforced. J. P. Wright and C. A. Carlson. No. 1,258,294; Mar. 5; v. 248; p. 100.
Paper can-bodies, Machine for applying paper ends to. W. J. Cullen. No. 1,254,207; Jan. 22; v. 246; p. 884.
Paper can, Friction-top. F. P. Wood. No. 1,254,184; Jan. 22; v. 246; p. 878.
Paper cans or cartons, Manufacture of. E. F. Hulbert. No. 1,285,190; Nov. 19; v. 256; p. 520.
Paper, card, tablet, or the like, Writing. F. W. Eagelston. No. 1,267,640; May 28; v. 250; p. 854.
Paper carton. L. W. Farmer. No. 1,272,409; July 16; v. 252; p. 524.
Paper cleaner, Wall-. G. J. Forcier. No. 1,278,626; Sept. 10; v. 254; p. 375.
Paper-cleaning device, Wall-. J. F. Walters. No. 1,266,360; May 14; v. 250; p. 440.

Paper-clip. J. Fritz. No. 1,275,012; Aug. 6; v. 253; p. 190.
Paper-clip. B. B. Goldsmith. No. 1,259,849; Mar. 19; v. 248; p. 618.
Paper-clip. F. V. Hann. No. 1,251,884; Jan. 1; v. 246; p. 133.
Paper-clip. J. P. and K. K. Nielsen. No. 1,257,631; Feb. 26; v. 247; p. 849.
Paper-clip. H. E. Schliebs. No. 1,287,456; Dec. 10 v. 257; p. 347.
Paper-clip. A. L. Skillman. No. 1,270,451; June 25; v. 251; p. 736.
Paper-clipper. R. F. Wentz. No. 1,274,966; Aug. 6; v. 253; p. 177.
Paper, Coated. J. Miln. No. 1,265,356; May 7; v. 250; p. 133.
Paper, Coated. J. Miln. No. 1,265,357; May 7; v. 250; p. 134.
Paper, Coated. H. R. Rafsky. No. 1,260,448; Mar. 26; v. 248; p. 824.
Paper, Coating. C. M. Gage, Jr. No. 1,282,564; Oct. 22; v. 255; p. 767.
Paper, Commercial. P. Morris and J. C. Bryant. No. 1,269,487; June 11; v. 251; p. 415.
Paper-cup container. J. R. Klin. No. 1,264,306; Apr. 30; v. 249; p. 1040.
Paper-cup holder. C. Errett. No. 1,280,692; Oct. 8; v. 255; p. 186.
Paper-cup holder. J. R. Klin. No. 1,266,279; May 14; v. 250; p. 418.
Paper-cup separator, Nested-. B. J. Baum and C. W. Odermatt. No. 1,271,834; July 9; v. 252; p. 334.
Paper cups, Machine for making. S. D. Washburn. No. 1,266,644; May 21; v. 250; p. 549.
Paper-currency wrapper. T. P. Martin, Jr. No. 1,270,642; June 25; v. 251; p. 788.
Paper cut-out. L. M. Chance. No. 1,285,037; Nov. 19; v. 256; p. 481.
Paper-cutter clamp. C. Seybold. No. 1,261,305; Apr. 2; v. 249; p. 89.
Paper cutter, Wall-. F. W. Krafft. No. 1,279,880; Sept. 24; v. 254; p. 774.
Paper cutting and folding machine. D. W. Hudson. No. 1,282,838; Oct. 29; v. 255; p. 870.
Paper-cutting machine. C. Seybold. No. 1,267,283; May 21; v. 250; p. 726.
Paper-cylinder manufacture. L. W. Gill. No. 1,253,371; Jan. 15; v. 246; p. 625.
Paper, Device for testing the tearing strength of. R. O. Wood. No. 1,273,972; July 30; v. 252; p. 1018.
Paper-dispensing device. G. T. Johnson. No. 1,251,892; Jan. 1; v. 246; p. 134.
Paper-displaying machine, Wall-. G. Vanderground. No. 1,274,637; Aug. 6; v. 253; p. 85.
Paper-doll's-dress fastener. A. G. Wilt. No. 1,255,677; Feb. 5; v. 247; p. 163.
Paper drier, Coated-. J. Janson. No. 1,287,027; Dec. 10; v. 257; p. 241.
Paper-drying machine. W. M. Barber. No. 1,261,343; Apr. 2; v. 249; p. 100.
Paper drinking-cup. L. S. Reynal. No. 1,279,158; Sept. 17; v. 254; p. 547.
Paper drinking-cups, Making. L. S. Reynal. No. 1,254,850; Jan. 29; v. 246; p. 1102.
Paper fabric, Reinforced. P. T. Jackson, Jr. No. 1,255,818; Feb. 5; v. 247; p. 203.
Paper-fastener. C. G. Fisher. No. 1,280,434; Oct. 1; v. 255; p. 89.
Paper-fastener. L. Oppenheim. No. 1,271,607; July 9; v. 252; p. 272.
Paper-fastening device. J. Murray. No. 1,279,483; Sept. 17; v. 254; p. 636.
Paper-feeding machine. J. H. Barr. No. 1,285,590; Nov. 26; v. 256; p. 659.
Paper-feeding machines, Attachment for. A. P. Greene. No. 1,253,588; Jan. 15; v. 246; p. 687.
Paper-feeding mechanism. E. L. Smith. No. 1,261,310; Apr. 2; v. 249; p. 91.
Paper-feeding mechanism. E. L. Smith. No. 1,283,342; Oct. 29; v. 255; p. 1004.
Paper-feeding mechanism. J. Tomlinson. No. 1,281,099; Oct. 8; v. 255; p. 297.
Paper-filler and making the same, Liquid. W. N. Kohlins. No. 1,261,135; Apr. 2; v. 249; p. 41.
Paper-folder. A. W. Allen. No. 1,286,487; Dec. 3; v. 257; p. 76.
Paper-folding machine. R. Hitchcock. No. 1,285,705; Nov. 26; v. 256; p. 688.
Paper for commercial correspondence. Z. D. Bebis. No. 1,278,424; Sept. 10; v. 254; p. 320.
Paper-hanger appliance. T. B. Jacobs. No. 1,289,181; Dec. 31; v. 257; p. 853.
Paper hanger, Wall-. V. Maruska, Jr. No. 1,286,047; Nov. 26; v. 256; p. 774.
Paper-hanging device. P. Malacos. No. 1,288,093; Dec. 17; v. 257; p. 538.
Paper-hanging tool. C. W. Likins. No. 1,270,530; June 25; v. 251; p. 758.
Paper-holder. S. D. Baker. No. 1,272,598; July 16; v. 252; p. 577.
Paper-holder. P. B. Gibaut. No. 1,253,811; Jan. 15; v. 246; p. 750.
Paper-holder. F. Tyler. No. 1,265,553; May 7; v. 250; p. 185.
Paper holder and cutter. G. F. Wolf. No. 1,270,580; June 25; v. 251; p. 772.
Paper holder and printer, Roll-. F. F. Bradshaw. No. 1,276,868; Aug. 27; v. 253; p. 796.
Paper holder, Fly-. N. Rettig. No. 1,261,618; Apr. 2; v. 249; p. 177.
Paper-holding device. D. H. Fisher. No. 1,255,726; Feb. 5; v. 247; p. 178.
Paper hollow ware, Process of and apparatus for making. W. H. Fulcher. No. 1,280,008; Sept. 24; v. 254; p. 810.
Paper into sheets and interfolding the sheets, Machine for cutting. G. A. Aicher. No. 1,273,567; July 23; v. 252; p. 869.
Paper-lining machine. H. W. Stark and W. Knuts. No. 1,258,493; Mar. 5; v. 248; p. 157.
Paper-machine. A. J. Haug. No. 1,284,668; Nov. 12; v. 256; p. 347.
Paper-machine, Automatic. C. E. Pope. No. 1,283,888; Nov. 5; v. 256; p. 119.
Paper, Machine for corrugating. J. N. Quinn. No. 1,284,771; Nov. 12; v. 256; p. 373.
Paper, Machine for perforating webs of. A. C. V. Malm. No. 1,287,066; Dec. 10; v. 257; p. 251.
Paper machine, Wall-. L. H. Hitchcock. No. 1,274,040; July 30; v. 252; p. 1037.
Paper-machines, Automatic feeding means for. C. E. Pope. No. 1,283,889; Nov. 5; v. 256; p. 119.
Paper-machines, Clamp-collar for. E. F. Thomas. No. 1,261,871; Apr. 9; v. 249; p. 281.
Paper-machines, Edge ruler for the wire part of. A. H. Gustafson. No. 1,277,212; Aug. 27; v. 253; p. 888.
Paper, Making. W. H. Goodenough. No. 1,257,996; Mar. 5; v. 248; p. 14.
Paper-making apparatus. G. Schenck, Jr. No. 1,267,701; May 28; v. 250; p. 870.
Paper-making machine. W. A. Aitken. No. 1,264,254; Apr. 30; v. 249; p. 1026.
Paper-making machine. J. Galipeau. No. 1,266,673; May 21; v. 250; p. 558.
Paper-making machine. L. F. Jurgenson. No. 1,267,667; May 28; v. 250; p. 860.
Paper-making machine. C. E. Pope. No. 1,262,698; Apr. 16; v. 249; p. 540.
Paper-making machine, Corrugated-. J. N. Hahn. No. 1,264,506; Apr. 30; v. 249; p. 1096.
Paper-making machines, Felt-cleaner for. E. D. Bennett. No. 1,267,359; May 28; v. 250; p. 775.
Paper-making machines, Slice for. H. G. Van Ornum. No. 1,261,194; Apr. 2; v. 249; p. 57.
Paper-making method and machine. C. E. Pope. No. 1,279,756; Sept. 24; v. 254; p. 737.
Paper-making, Treatment of certain plants for. C. Beadle. No. 1,286,502; Dec. 3; v. 257; p. 79.
Paper-marking machine. H. Brown. No. 1,261,903; Apr. 9; v. 249; p. 288.
Paper-marking process and apparatus. H. Brown. No. 1,261,902; Apr. 9; v. 249; p. 288.
Paper, Means for imparting surface finish to. H. P. Howe. No. 1,278,659; Sept. 10; v. 254; p. 384.
Paper, Method and apparatus for drying coated. C. F. Pease. No. 1,260,570; Mar. 26; v. 248; p. 860.
Paper, Method and means for finishing. H. J. Guild. No. 1,277,714; Sept. 3; v. 254; p. 106.
Paper-mills, Apparatus for. S. Mitchell. No. 1,277,631; Sept. 3; v. 254; p. 83.
Paper, Multiply. T. Scherf. No. 1,289,926; Dec. 31; v. 257; p. 1038.
Paper or fiber board machine. J. W. Pertz. No. 1,272,847; July 16; v. 252; p. 650.
Paper or paper-board. P. J. Nagle. No. 1,283,422; Oct. 29; v. 255; p. 1027.
Paper or the like, Frame of. F. Kaufman. No. 1,262,508; Apr. 9; v. 249; p. 456.
Paper or the like, Machinery for the manufacture of conical tubes of. E. Z. Taylor. No. 1,283,966; Nov. 5; v. 256; p. 139.
Paper-package. W. McCorkindale and H. C. Avery. No. 1,270,248; June 18; v. 251; p. 653.
Paper-package. F. H. Moore. No. 1,252,138; Jan. 1; v. 246; p. 204.
Paper package or carton, Moisture-proof. H. Fietsch, Jr. No. 1,269,918; June 18; v. 251; p. 566.
Paper packet, Toilet-. W. L. Brown. No. 1,286,929; Dec. 10; v. 257; p. 216.
Paper-padding apparatus. R. B. Bone. No. 1,285,914; Nov. 26; v. 256; p. 741.
Paper-padding apparatus. E. B. Helfenstein. No. 1,273,781; July 23; v. 252; p. 925.
Paper-pasting machine, Wall-. B. P. Reynolds. No. 1,285,384; Nov. 19; v. 256; p. 568.
Paper-pinning machine. W. J. S. Ritscher. No. 1,255,640; Feb. 5; v. 247; p. 152.
Paper, Process and means for producing all-wood. A. H. Lefebvre. No. 1,277,737; Sept. 3; v. 254; p. 113.
Paper, Protecting commercial. E. E. Angell. No. 1,282,166; Oct. 22; v. 255; p. 659.
Paper, Protective means for commercial. D. C. Davis. No. 1,286,246; Dec. 3; v. 257; p. 15.

Paper-pulp and other fibrous materials, Apparatus for treatment of. C. M. Cowan and J. Brown. No. 1,287,571; Dec. 10; v. 257; p. 376.
Paper-pulp, Beating or grinding of. E. Partington. No. 1,277,637; Sept. 3; v. 254; p. 85.
Paper-pulp machine. F. H. Hoberg. No. 1,274,041; July 30; v. 252; p. 1037.
Paper-pulp machinery and other purposes, Separator and conveyer for. A. J. Haug. No. 1,266,257; May 14; v. 250; p. 412.
Paper-pulp, Manufacture of. S. D. Wells. No. 1,268,193; June 4; v. 251; p. 35.
Paper-pulp, Manufacture of. S. D. Wells. No. 1,269,350; June 11; v. 251; p. 379.
Paper-pulp, Method and apparatus for bleaching. J. E. Heiskanen. No. 1,277,926; Sept. 3; v. 254; p. 163.
Paper-pulp-treating process and apparatus. G. C. Howard. No. 1,258,568; Mar. 5; v. 248; p. 181.
Paper receptacle. E. L. Bailey. No. 1,289,359; Dec. 31; v. 257; p. 898.
Paper receptacle. A. Moore. No. 1,252,828; Jan. 8; v. 246; p. 434.
Paper receptacle. C. J. Mullin. No. 1,274,744; Aug. 6; v. 253; p. 115.
Paper-receptacle-making machine. E. L. Bracy. No. 1,271,422; July 2; v. 252; p. 186.
Paper receptacle, Waste-. G. Valentine. No. 1,285,477; Nov. 19; v. 256; p. 592.
Paper receptacles, Automatic machine for the manufacture of. D. J. Jennings. No. 1,276,535; Aug. 20; v. 253; p. 669.
Paper receptacles, Former for. S. L. Adelson. No. 1,257,949; Feb. 26; v. 247; p. 941.
Paper reel, Toilet-. H. M. Sturgis. No. 1,259,313; Mar. 12; v. 248; p. 432.
Paper-regenerating apparatus, Old-. B. A. Navarre. No. 1,265,809; May 14; v. 250; p. 286.
Paper-reinforcing machine. C. H. Howard. No. 1,278,471; Sept. 10; v. 254; p. 332.
Paper, Removing impregnating material from. W. O. Gaynor. No. 1,284,647; Nov. 12; v. 256; p. 342.
Paper-removing tool, Wall-. J. H. Powers. No. 1,264,973; May 7; v. 250; p. 28.
Paper-roll-driving mechanism. R. Hoe. No. 1,285,706; Nov. 26; v 256; p. 688.
Paper-roll protector. J. C. Bermingham. No. 1,253,128; Jan. 8; v. 246; p. 524.
Paper-roll protector. W. O. Staley. No. 1,267,815; May 28; v. 250; p. 903.
Paper-roll rack. F. and F. T. Winterhalter. No. 1,261,668; Apr. 2; v. 249; p. 192.
Paper-roll winder. M. Loewenstine. No. 1,271,736; July 9; v. 252; p. 309.
Paper-rolls, Protecting end member for. T. B. Weaver. No. 1,260,491; Mar. 26; v. 248; p. 836.
Paper-rolls, &c., Tension mechanism for. J. T. Ferres. No. 1,270,279; June 25; v. 251; p. 688.
Paper, Safety-. E. E. Schmidt. No. 1,269,863; June 18; v. 251; p. 552.
Paper-scoring machine. W. E. Reavis. No. 1,285,378; Nov. 19; v. 256; p. 566.
Paper-screen. A. J. Haug. No. 1,284,669; Nov. 12; v. 256; p. 348.
Paper sheets, Implement for uniting. G. P. Bump. No. 1,283,063; Oct. 29; v. 255; p. 932.
Paper-shell machine and mandrel for same. J. Chesney. No. 1,271,132; July 2; v. 252; p. 106.
Paper-sizing apparatus. H. M. Wheelwright. No. 1,258,840; Mar. 12; v. 248; p. 299.
Paper-sorting machine. G. Spiess. No. 1,277,658; Sept. 3; v. 254; p. 91.
Paper-stock. Apparatus for the treatment of. W. G. Fiske. No. 1,273,841; July 30; v. 252; p. 980.
Paper-stock-treating machine. M. C. J. Billingham. No. 1,276,864; Aug. 27; v. 253; p. 794.
Paper strip for box-corners and other purposes, Reinforced. P. T. Jackson, Jr. No. 1,278,935; Sept. 17; v. 254; p. 490.
Paper table and gage. L. C. Myers. No. 1,282,454; Oct. 22; v. 255; p. 737.
Paper tape, Dispensing and printing device for. S. H. Paxton. No. 1,263,597; Apr. 23; v. 249; p. 812.
Paper-testing machine. O. E. Braitmayer. No. 1,277,039; Aug. 27; v. 253; p. 840.
Paper-towel package, Interleaved. W. T. Lazar. No. 1,256,334; Feb. 12; v. 247; p. 398.
Paper toweling and the like, Machine for interfolding and counting. L. A. Straubel. No. 1,253,644; Jan. 15; v. 246; p. 703.
Paper trimming and marking apparatus, Wall-. S. Waring. No. 1,274,476; Aug. 6; v. 253; p. 39.
Paper trimming, cutting, and pasting machine, Wall-. G. G. Ross. No. 1,287,757; Dec. 17; v. 257; p. 454.
Paper-tube-making machine. O. H. Roessling. No 1,271,370; July 2; v. 252; p. 173.
Paper tube or core forming machine. J. A. Blann. No. 1,280,647; Oct. 8; v. 255; p. 173.
Paper upon feed-boards, Mechanism for adjusting. R. Miehle. No. 1,272,075; July 9; v. 252; p. 405.
Paper upon feed-boards, Mechanism for adjusting. R. Miehle. No. 1,273,081; July 16; v. 252; p. 713.
Paper-walled vessels, Making. J. R. Harbeck. No. 1,281,356; Oct. 15; v. 255; p. 402.
Paper, Water-marked or safety. W. D. Harper. No. 1,281,951; Oct. 15; v. 255; p. 560.
Paper webs or sheets, Static-electricity dissipator for. H. M. Barber. No. 1,280,366; Oct. 1; v. 255; p. 70.
Paper-winding machine. A. Ross. No. 1,257,404; Feb. 26; v. 247; p. 780.
Paper-wrapping holders, Printing attachment for. E. M. Kick. No. 1,282,237; Oct. 22; v. 255; p. 678.
Paper yarn and making same. B. S. Summers. No. 1,271,098; July 2; v. 252; p. 97.
Paper yarn, Manufacture of. J. Thame. No. 1,264,998; May 7; v. 250; p. 35.
Papers, Method and means for correcting test-. O. S. Thompson. No. 1,252,199; Jan. 1; v. 246; p. 220.
Papering-board. I. L. Clark. No. 1,270,006; June 18; v. 251; p. 589.
Papering machine, Wall-. N. Hartford. No. 1,280,104; Sept. 24; v. 254; p. 835.
Para-amino-N-methylformanilid, Manufacture of. G. T. Morgan. No. 1,273,901; July 30; v. 252; p. 998.
Para-phenylene-diamin substance and process relating thereto. T. A. Edison. No. 1,283,706; Nov. 5; v. 256; p. 70.
Parachute. E. R. Calthrop. No. 1,263,372; Apr. 23; v. 249; p. 749.
Parachute. J. Fuji. No. 1,264,050; Apr. 23; v. 249; p. 935.
Parachute. H. Ludtke. No. 1,266,508; May 14; v. 250; p. 479.
Parachute. J. Martyna. No. 1,277,980; Sept. 3; v. 254; p. 178.
Parachute. C. R. Swanson. No. 1,287,134; Dec. 10; v. 257; p. 269.
Parachute. S. Szücs. No. 1,278,253; Sept. 10; v. 254; p. 276.
Parachute. C. Trotter. No. 1,289,579; Dec. 31; v. 257; p. 952.
Parachute. R. H. Upson. No. 1,273,553; July 23; v. 252; p. 865.
Parachute case or envelop. F. Stevens. No. 1,260,474; Mar. 26; v. 248; p. 830.
Parachute, Dirigible. E. S. Jones. No. 1,278,158; Sept. 10; v. 254; p. 249.
Parachute-launching device. E. R. Calthrop. No. 1,274,679; Aug. 6; v. 253; p. 97.
Parachute, Winged. P. Tataryn. No. 1,257,049; Feb. 19; v. 247; p. 644.
Paraffin from oils, Extracting. J. L. Hussey. No. 1,277,935; Sept. 3; v. 254; p. 166.
Paraffin, Purifying. A. M. McAfee. No. 1,277,092; Aug. 27; v. 253; p. 855.
Paraffining and steam-cleaning device. F. E. Sallman. No. 1,263,120; Apr. 16; v. 249; p. 661.
Parasol flag attachment. J. G. Lyons. No. 1,288,630; Dec. 24; v. 257; p. 696.
Parcel-carrier, Traveling and elevating. J. L. Baldwin. No. 1,270,099; June 18; v. 251; p. 613.
Paring and coring machine, Fruit. H. A. Neson. No. 1,263,922; Apr. 23; v. 249; p. 901.
Paring device. C. E. Wenzel. No. 1,256,751; Feb. 19; v. 247; p. 555.
Paring-machine. B. C. Coons. No. 1,269,390; June 11; v. 251; p. 389.
Paring-machine receptacle. D. Brandt. No. 1,287,856; Dec. 17; v. 257; p. 479.
Paring machines, Trimming attachment for apple-. L. J. Struck and J. O. Dean. No. 1,276,131; Aug. 20; v. 253; p. 557.
Parliamentary guide. A. Bloch. No. 1,258,861; Mar. 12; v. 248; p. 304.
Partition, Folding. J. R. Norton. No. 1,266,980; May 21; v. 250; p. 643.
Partition, Interior. H. Klein. No. 1,253,499; Jan. 15; v. 246; p. 662.
Partition, Sectional-unit. A. Kalla. No. 1,264,303; Apr. 30; v. 249; p. 1039.
Partitioning and stabilizing appliance. J. W. Lippincott. No. 1,270,532; June 25; v. 251; p. 759.
Party-line ringing system. A. E. Lundell. No. 1,284,730; Nov. 12; v. 256; p. 363.
Party-lines, Testing system for. B. D. Willis. No. 1,252,979; Jan. 8; v. 246; p. 479.
Paste-applying machine. S. Reiff. No. 1,278,384; Sept. 10; v. 254; p. 310.
Paste-applying mechanism. H. C. Herr. No. 1,265,202; May 7; v. 250; p. 92.
Paste-applying mechanism for fabric-slitting machines. A. Freydberg. No. 1,271,885; July 9; v. 252; p. 348.
Paste-drier. A. Rossi. No. 1,258,817; Mar. 12; v. 248; p. 291.
Paste-tube. A. C. Crump. No. 1,266,413; May 14; v. 250; p. 453.
Paste-tube. F. J. Hollis. No. 1,279,695; Sept. 24; v. 254; p. 721.
Paste-tube, Collapsible. S. S. Tainter. No. 1,256,075; Feb. 12; v. 247; p. 320.
Paste-tube, Collapsible. S. S. Tainter. No. 1,275,495; Aug. 13; v. 253; p. 347.
Paste-tube holder. K. A. Crismon. No. 1,270,267; June 25; v. 251; p. 684.

Pastes, Drying edible. K. Gammel. No. 1,284,305; Nov. 12; v. 256; p. 258.
Paster. A. S. Phillips. No. 1,257,111; Feb. 19; v. 247; p. 660.
Pasting device, Wrapper-. J. J. Sleeper. No. 1,265,127; May 7; v. 250; p. 72.
Pasting wall-paper, Machine for. W. J. Dunn. No. 1,260,885; Mar. 26; v. 248; p. 949.
Pasteboard container. F. H. Houghland. No. 1,288,895; Dec. 24; v. 257; p. 759.
Pastry-cone holder. M. Schwarz. No. 1,265,392; May 7; v. 250; p. 143.
Pastry-cone machine. E. A. Hamwi. No. 1,281,159; Oct. 8; v. 255; p. 315.
Pastry-making apparatus. E. H. Lanier. No. 1,257,497; Feb. 26; v. 247; p. 809.
Pastry-making machines, Trimming and delivering mechanism for. F. A. Bruckman. No. 1,271,844; July 9; v. 252; p. 337.
Pastry molding and baking apparatus. E. R. Lanier and F. K. Driesbach. No. 1,257,498; Feb. 26; v. 247; p. 809.
Pastry shells, Apparatus for making. O. Hauge and W. A. England. No. 1,256,226; Feb. 12; v. 247; p. 366.
Pastry-shortening, Manufacturing. S. Eney, Jr. No. 1,288,853; Dec. 24; v. 257; p. 748.
Pasteurizing apparatus. R. F. Beutlich. No. 1,251,465; Jan. 1; v. 246; p. 4.
Patch, Repair-. W. C. Craft. No. 1,277,871; Sept. 3; v. 254; p. 150.
Patient's transporting and treating apparatus. F. Finley. No. 1,270,136; June 18; v. 251; p. 624.
Pattern: *See*—
Casting-pattern. Molding-pattern.
Founding-pattern.
Pattern-cutting machine. C. E. Reed. No. 1,274,196; July 30; v. 252; p. 1080.
Pattern-making guide, Garment-. H. J. Kramer. No. 1,278,683; Sept. 10; v. 254; p. 392.
Patterns for garments, Making special. J. Galowitz. No. 1,255,734; Feb. 5; v. 247; p. 180.
Pavement. T. S. Harris. No. 1,280,995; Oct. 8; v. 255; p. 268.
Pavement. W. E. Hassam. No. 1,275,165; Aug. 6; v. 253; p. 232.
Pavement. W. Johnson. No. 1,253,600; Jan. 15; v. 246; p. 690.
Pavement. E. E. Trowbridge. No. 1,268,184; June 4; v. 251; p. 31.
Pavement and brick for use therein. E. E. Trowbridge. No. 1,259,933; Mar. 19; v. 248; p. 643.
Pavement composition and structure. A. E. Schutte. No. 1,265,259; May 7; v. 250; p. 106.
Pavement-cutting machine. A. H. Pedrick. No. 1,271,757; July 9; v. 252; p. 314.
Paving-block. G. N. Hoffmaster. No. 1,262,048; Apr. 9; v. 249; p. 328.
Paving-block and pavement, Wood. H. C. Innes. No. 1,268,123; June 4; v. 251; p. 16.
Paving-machine. N. M. Liddell. No. 1,276,086; Aug. 20; v. 253; p. 544.
Paving-machine. J. F. Seiberling. No. 1,276,817; Aug. 27; v. 253; p. 782.
Paving material, Apparatus for laying street and road. W. Bayley. No. 1,258,299; Mar. 5; v. 248; p. 101.
Pawl-and-ratchet brake mechanism. E. H. Schmidt. No. 1,284,470; Nov. 12; v. 256; p. 299.
Pawl-and-ratchet mechanism, Automatic interrupter for electromagnetically-operated. G. Grabe. No. 1,262,326; Apr. 9; v. 249; p. 405.
Pay-roll instrument. J. E. Hanzlik. No. 1,258,894; Mar. 12; v. 248; p. 314.
Pea and bean separator. J. F. Pritchard. No. 1,257,115; Feb. 19; v. 247; p. 661.
Pea and bean separator. G. E. Pritchard. No. 1,262,559; Apr. 9; v. 249; p. 471.
Pea-huller. R. Henry. No. 1,274,881; Aug. 6; v. 253; p. 154.
Pea-huller. J. M. Sanders. No. 1,261,629; Apr. 2; v. 249; p. 181.
Pea mill, Wild-. F. E. Passer. No. 1,253,875; Jan. 15; v. 246; p. 770.
Pea-picker. T. S. Mouchet. No. 1,255,914; Feb. 12; v. 247; p. 272.
Pea-picker. W. M. Stiles. No. 1,282,973; Oct. 29; v. 255; p. 908.
Pea-separator. G. H. Dekker. No. 1,286,554; Dec. 3; v. 257; p. 91.
Pea-viner. C. H. Plummer. No. 1,269,211; June 11; v. 251; p. 341.
Peach-turning apparatus. L. H. Balwick. No. 1,278,291; Sept. 10; v. 254; p. 286.
Peaches and other similar fruits, Device for cutting and seeding. G. B. Chase. No. 1,263,742; Apr. 23; v. 249; p. 850.
Peanut-blanching machine. T. C. Suzzi. No. 1,282,312; Oct. 22; v. 255; p. 698.
Peanut-clipper. C. S. McArdle. No. 1,285,276; Nov. 19; v. 256; p. 540.
Peanut-digger. J. T. Beasley. No. 1,269,550; June 11; v. 251; p. 431.
Peanut-digger. P. J. Fant. No. 1,288,541; Dec. 24; v. 257; p. 674.
Peanut-digger. W. H. West. No. 1,268,902; June 11; v. 251; p. 253.
Peanut-digger. W. E. and T. B. Woods and A. Z. Bryan. No. 1,263,183; Apr. 16; v. 249; p. 678.
Peanut-huller. W. L. Smith. No. 1,259,678; Mar. 19; v. 248; p. 567.
Peanut-roasting device. S. C. Peckham. No. 1,275,085; Aug. 6; v. 253; p. 211.
Peanut-sheller. D. W. Howell. No. 1,286,007; Nov. 26; v. 256; p. 764.
Peanut-sheller. W. C. Lambeth. No. 1,258,125; Mar. 5; v. 248; p. 51.
Peanut-sheller. B. J. Pike. No. 1,264,329; Apr. 30; v. 249; p. 1045.
Peanut-shelling machine. M. L. Larisey. No. 1,284,852; Nov. 12; v. 256; p. 395.
Pearl, Artificial. P. R. Schreurs and G. F. Metz. No. 1,252,849; Jan. 8; v. 246; p. 440.
Pearl, Imitation. P. B. Ganzinotti. No. 1,254,791; Jan. 29; v. 246; p. 1083.
Pearl-shell composition. P. R. Schreurs and G. F. Metz. No. 1,252,850; Jan. 8; v. 246; p. 440.
Pearls and jewelry, Preparation of artificial. K. Murakami. No. 1,289,873; Dec. 31; v. 257; p. 1025.
Peat and muck for the preparation of fertilizer, Treating. J. P. Schroeder. No. 1,254,365; Jan. 22; v. 246; p. 930.
Peat and muck for the preparation of fertilizer, Treating. J. P. Schroeder. No. 1,254,366; Jan. 22; v. 246; p. 930.
Pebble or ball mill. C. H. Stave. No. 1,283,589; Nov. 5; v. 256; p. 39.
Pedal. A. W. Lawson. No. 1,284,115; Nov. 5; v. 256; p. 180.
Pedal. A. W. Lawson. No. 1,287,356; Dec. 10; v. 257; p. 324.
Pedal. N. A. Petry. No. 1,255,220; Feb. 5; v. 247; p. 30.
Pedal, Accelerator auxiliary. E. J. Bloom. No. 1,269,780; June 18; v. 251; p. 529.
Pedal and panel operating mechanism. O. Johnson. No. 1,252,446; Jan. 8; v. 246; p. 324.
Pedal-crank. C. M. Funk. No. 1,278,904; Sept. 17; v. 254; p. 481.
Pedal, Extension-. A. P. Smith. No. 1,278,773; Sept. 10; v. 254; p. 415.
Pedal mechanism. G. H. Cambridge. No. 1,260,323; Mar. 26; v. 248; p. 787.
Pedal mechanism. R. W. Scott. No. 1,288,697; Dec. 24; v. 257; p. 713.
Pedals, Safety-guard for foot-. S. Fischer. No. 1,277,207; Aug. 27; v. 253; p. 887.
Pedestal for caskets, tables, and the like. J. A. Raymond. No. 1,266,316; May 14; v. 250; p. 428.
Peeler, Potato-. J. M. Howarth. No. 1,263,672; Apr. 23; v. 249; p. 832.
Peeling oranges and similar fruit, Device for. H. A. Burkat. No. 1,285,022; Nov. 19; v. 256; p. 477.
Peeling the bark from short logs intended for the manufacture of wood-pulp, &c., Machine for. P. G. Schaanning. No. 1,254,362; Jan. 22; v. 246; p. 929.
Peg-leg. W. S. Elters. No. 1,257,284; Feb. 19; v. 247; p. 712.
Peg, Tent-. G. B. Bergen. No. 1,252,387; Jan. 8; v. 246; p. 307.
Pen. J. H. Marsh. No. 1,285,296; Nov. 19; v. 256; p. 546.
Pen. W. L. Walker. No. 1,288,314; Dec. 17; v. 257; p. 591.
Pen and pencil holder. A. Crosson. No. 1,281,299; Oct. 15; v. 255; p. 384.
Pen and pencil holder. H. L. Whisinnand. No. 1,263,975; Apr. 23; v. 249; p. 916.
Pen and pencil holder, Combination. R. E. Nafe. No. 1,277,247; Aug. 27; v. 253; p. 896.
Pen attachment. W. A. Hartline. No. 1,268,970; June 11; v. 251; p. 273.
Pen attachment, Ruling-. R. L. Ingebrigtsen. No. 1,262,801; Apr. 16; v. 249; p. 569.
Pen, Baby-. J. A. Eberle. No. 1,260,886; Mar. 26; v. 248; p. 949.
Pen, Border-line ruling-. C. W. Bieser. No. 1,287,623; Dec. 17; v. 257; p. 420.
Pen cap and clip, Fountain-. O. Mitchell. No. 1,283,860; Nov. 5; v. 256; p. 112.
Pen cap, Fountain-. A. W. Bush. No. 1,271,430; July 2; v. 252; p. 188.
Pen-clip. J. W. Kessel. No. 1,285,734; Nov. 26; v. 256; p. 696.
Pen clip, Fountain-. H. Lasko. No. 1,284,718; Nov. 12; v. 256; p. 360.
Pen clip, Fountain-. F. H. Mooney. No. 1,267,575; May 28; v. 250; p. 835.
Pen, Duplex fountain-. S. Greenfield. No. 1,265,325; May 7; v. 250; p. 124.
Pen-extractor. J. A. Parrella. No. 1,274,760; Aug. 6; v. 253; p. 120.
Pen for recording-meters. A. W. Copley. No. 1,258,317; Mar. 5; v. 248; p. 106.
Pen, Fountain-. C. L. Aragon. No. 1,279,821; Sept. 24; v. 254; p. 757.
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Pen, Fountain-. G. F. Brandt. No. 1,261,481; Apr. 2; v. 249; p. 138.
Pen, Fountain-. G. F. Brandt. No. 1,267,624; May 28; v. 250; p. 849.
Pen, Fountain-. G. F. Brandt. No. 1,288,819; Dec. 24; v. 257; p. 741.
Pen, Fountain-. W. T. K. Calton. No. 1,257,804; Feb. 26; v. 247; p. 899.
Pen, Fountain-. J. L. Clarke. No. 1,281,134; Oct. 8; v. 255; p. 307.
Pen, Fountain-. N. R. Dennis. No. 1,287,909; Dec. 17; v. 257; p. 492.
Pen, Fountain-. L. L. Gugel. No. 1,277,064; Aug. 27; v. 253; p. 847.
Pen, Fountain-. U. Kronstein. No. 1,271,477; July 2; v. 252; p. 201.
Pen, Fountain-. B. Kumagai. No. 1,257,365; Feb. 26; v. 247; p. 769.
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Pen, Fountain-. R. W. Lotz. No. 1,263,261; Apr. 16; v. 249; p. 698.
Pen, Fountain-. F. W. Miller. No. 1,258,593; Mar. 5; v. 248; p. 188.
Pen, Fountain-. F. H. Mooney. No. 1,272,697; July 16; v. 252; p. 607.
Pen, Fountain-. B. T. Nedland. No. 1,262,547; Apr. 9; v. 249; p. 468.
Pen, Fountain-. H. P. Ravn. No. 1,258,458; Mar. 5; v. 248; p. 148.
Pen, Fountain-. J. M. Reynolds. No. 1,286,777; Dec. 3; v. 257; p. 141.
Pen, Fountain-. S. M. Rowe. No. 1,289,921; Dec. 31; v. 257; p. 1037.
Pen, Fountain-. W. A. Staffeldt. No. 1,283,944; Nov. 5; v. 256; p. 133.
Pen, Fountain-. T. Tanimura. No. 1,267,288; May 21; v. 250; p 727.
Pen, Fountain-. H. J. Upton. No. 1,272,731; July 16; v. 252; p. 616.
Pen, Fountain-. R. T. Wing. No. 1,284,525; Nov. 12; v. 256; p. 312.
Pen, Fountain-. E. G. Woody. No. 1,287,556; Dec. 10; v. 257; p. 372.
Pen, Fountain and stylographic. W. Livsey. No. 1,277,613; Sept. 3; v. 254; p. 78.
Pen, Fountain or reservoir. D. Cameron. No. 1,277,848; Sept. 3; v. 254; p. 143.
Pen, Lettering-. E. S. Keene. No. 1,271,580; July 9; v. 252; p. 264.
Pen, Lettering-. J. Sumter. No. 1,263,621; Apr. 23; v. 249; p. 819.
Pen, Lever self-filler fountain-. J. Salz. No. 1,263,808; Apr. 23; v. 249; p. 869.
Pen, Marking and shading. G. B. Keplinger. No. 1,254,701; Jan. 29; v. 246; p. 1055.
Pen or pencil clip. G. A. Carlson. No. 1,260,638; Mar. 26; v. 248; p. 881.
Pen or pencil clip. F. E. Ribelin. No. 1,260,054; Mar. 19; v. 248; p. 678.
Pen or pencil clip. H. Sasch. No. 1,279,449; Sept. 17; v. 254; p. 626.
Pen, Self-filler lever-. W. F. Duryea. No. 1,260,165; Mar. 19; v. 248; p. 707.
Pen, Self-filling fountain-. M. Borbeck. No. 1,268,206; June 4; v. 251; p. 39.
Pen, Self-filling fountain-. W. K. Buckles. No. 1,255,129; Feb. 5; v. 247; p. 5.
Pen, Self-filling fountain-. F. H. Mooney. No. 1,281,194; Oct. 8; v. 255; p. 324.
Pen, Self-filling fountain-. F. Riesenberg. (Reissue.) No. 14,474; May 21; v. 250; p. 749.
Pen-wiper. J. L. Cline and W. Henderson. No. 1,260,644; Mar. 26; v. 248; p. 882.
Pen-wiper and ink-bottle support, Combined. K. Potthoff. No. 1,280,541; Oct. 1; v. 255; p. 118.
Pen, Writing-. F. S. Fujiwara. N.. 1,258,331; Mar. 5; v. 248; p. 111.
Pens, Attachment for reservoir-. J. Williams and L. T. Jones. No. 1,282,511; Oct. 22; v. 255; p. 752.
Pens, Cap and clip for fountain-. H. J. Upton. No. 1,288,766; Dec. 24; v. 257; p. 729.
Pens, Cap for fountain-. F. W. Vaughn and H. J. Upton. No. 1,255,671; Feb. 5; v. 247; p. 161.
Pens, Making drawing-. F. O. Race. No. 1,288,675; Dec. 24; v. 257; p. 707.
Pens or pencils, Electric-light attachment for. C. Edmundson. No. 1,274,022; July 30; v. 252; p. 1032.
Pens, Pencil attachment for fountain-. J. M. Larsen. No. 1,266,283; May 14; v. 250; p. 419.
Pens, Presser-bar control for fountain-. F. H. Mooney. No. 1,266,141; May 14; v. 250; p. 381.
Penholder. C. A. Dallachie. No. 1,263,650; Apr. 23; v. 249; p. 827.
Penholder attachment. H. W. Earp-Thomas. No. 1,282,203; Oct. 22; v. 255; p. 669.
Penholder-receptacle. J. C. Fawcett. No. 1,268,224; June 4; v. 251; p. 44.
Penholder to assist in the practice of penmanship, Device to attach to a. H. W. Swan. No. 1,266,639; May 21; v. 250; p 548.
Penmanship-guide. L. J. Coubal. No. 1,254,028; Jan. 22; v. 246; p. 833.
Penmanship guide-chart. H. D. Wilkes. No. 1,253,758; Jan. 15; v. 246; p. 736.
Pencil. F. M. Carroll. No. 1,276,029; Aug. 20; v. 253; p. 527.
Pencil. H. Hess. No. 1,278,147; Sept. 10; v. 254; p. 247.
Pencil. W. M. Hicks. No. 1,259,738; Mar. 19; v. 248; p. 584.
Pencil. W. F. Marshall. No. 1,286,699; Dec. 3; v. 257; p. 125.
Pencil. R. C. Moore. No. 1,266,299; May 14; v. 250; p. 423.
Pencil. D. F. Oliver. No. 1,253,711; Jan. 15; v. 246; p. 724.
Pencil. O. A. Olson. No. 1,262,972; Apr. 16; v. 249; p. 617.
Pencil. R. L. Queen. No. 1,261,958; Apr. 9; v. 249; p. 304.
Pencil. W. A. Sheaffer. No. 1,284,156; Nov. 5; v. 256; p. 189.
Pencil. W. S. Williams. No. 1,274,485; Aug. 6; v. 253; p. 41.
Pencil and pen clip. S. Callison. No. 1,285,030; Nov. 19; v. 256; p. 479.
Pencil and the like. L. W. Bellamy. No. 1,253,126; Jan. 8; v. 246; p. 524.
Pencil and the like clip. J. C. Wahl and W. H. Odlum. No. 1,279,186; Sept. 17; v. 254; p. 555.
Pencil attachment. T. C. Stavert. No. 1,253,900; Jan. 15; v. 246; p. 776.
Pencil attachment. J. Vidal. No. 1,273,697; July 23; v. 252; p. 903.
Pencil-clip. F. J. Kristofek. No. 1,263,327; Apr. 16; v. 249; p. 715.
Pencil, Clutch-. J. B. Zimdars. No. 1,270,914; July 2; v. 252; p. 46.
Pencil-holder. G. A. Knapp. No. 1,277,732; Sept. 3; v. 254; p. 111.
Pencil-holder. S. E. Pfahler. No. 1,256,367; Feb. 12; v. 247; p. 408.
Pencil-lighting attachment. J. Bennett. No. 1,280,374; Oct. 1; v. 255; p. 73.
Pencil, Magazine-. H. A. Smith. No. 1,262,859; Apr. 16; v. 249; p. 586.
Pencil, Medicated. C. E. Swett. No. 1,280,580; Oct. 1; v. 255; p. 129.
Pencil-pointer. R. A. and A. P. Wilson. No. 1,285,528; Nov. 19; v. 256; p. 603.
Pencil, Retouching-. R. E. Green. No. 1,279,102; Sept. 17; v. 254; p. 533.
Pencil-sharpener. C. D. Allen and J. C. Maugans. No 1,281,747; Oct. 15; v. 255; p. 505.
Pencil-sharpener. G. W. Beyerle. No. 1,256,198; Feb. 12; v. 247; p. 358.
Pencil-sharpener. J. H. Boye. No. 1,263,738; Apr. 23; v. 249; p. 849.
Pencil-sharpener. G. Bullock. No. 1,266,769; May 21; v. 250; p. 584.
Pencil-sharpener. C. S. Burton. No. 1,265,743; May 14; v. 250; p. 268.
Pencil-sharpener. C. A. Conover. No. 1,270,119; June 18; v. 251; p. 618.
Pencil-sharpener. J. I. Duralia. No. 1,266,433; May 14; v. 250; p. 458.
Pencil-sharpener. E. P. Earle. No. 1,253,221; Jan. 15; v. 246; p. 580.
Pencil-sharpener. W. R. Fox. No. 1,257,690; Feb. 26; v. 247; p. 865.
Pencil-sharpener. J. Hoeller. No. 1,266,806; May 21; v. 250; p. 594.
Pencil-sharpener. P. Lopez. No. 1,262,363; Apr. 9; v. 249; p. 416.
Pencil-sharpener. D. F. Oliver. No. 1,267,791; May 28; v. 250; p. 895.
Pencil-sharpener. C. S. and D. Palmer. No. 1,267,586; May 28; v. 250; p. 838.
Pencil-sharpener. T. A. Ruddle and N. C. Ahl. No. 1,254,539; Jan. 22; v. 246; p. 979.
Pencil-sharpener. C. C. Spengler. No. 1,280,323; Oct. 1; v. 255; p. 59.
Pencil-sharpener. C. C. Spengler. No. 1,283,584; Nov 5; v. 256; p. 38.
Pencil-sharpener. A. Wicklund. No. 1,284,009; Nov. 5; v. 256; p. 149.
Pencil-sharpener and attaching-clip, Combined. P. L. Ormiston. No. 1,275,982; Aug. 13; v. 253; p. 484.
Pencil-sharpener clip. F. J. Reilly. No. 1,255,932; Feb. 12; v. 247; p. 276.
Pencil-sharpening device. R. C. Simmons. No. 1,256,383; Feb. 12; v. 247; p. 413.
Pencils, Feeding device for. W. P. Manuel. No. 1,275,957; Aug. 13; v. 253; p. 476.
Pendant-fixture. W. C. Hunt. No. 1,264,397; Apr. 30; v. 249; p. 1065.
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Percarbonates, Production of. O. Liebknecht. No. 1,263,258; Apr. 16; v. 249; p. 697.
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Perch structure. C. Klock. No. 1,265,675; May 7; v. 250; p. 217.
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Percolator. J. Charvat, Jr. No. 1,285,621; Nov. 26; v. 256; p. 667.
Percolator. P. Malcamp. No. 1,259,257; Mar. 12; v. 248; p. 415.
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Percolator, Coffee-. F. Kuhn and F. E. Shailor. No. 1,276,774; Aug. 27; v. 253; p. 771.
Percolator-heater. O. A. Colby. No. 1,268,928; June 11; v. 251; p. 261.
Percussion and apparatus therefor, Method of. J. P. Hickey. No. 1,266,945; May 21; v. 250; p. 633.
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Percussive tools, Front-head construction for. F. M. Slater. No. 1,278,238; Sept. 10; v. 254; p. 272.
Perfection-screen or the like. T. D. Kelly. No. 1,262,511; Apr. 9; v. 249; p. 457.
Perforating and binding machine for letter-sheets. W. J. Morton. No. 1,265,238; May 7; v. 250; p. 101.
Perforating apparatus. D. Murray. No. 1,276,794; Aug. 27; v. 253; p. 776.
Perforating device. C. G. Ashley and E. T. Byshe. No. 1,278,089; Sept. 10; v. 254; p. 232.
Perforating-machine. J. C. Parker and C. T. Keet. No. 1,259,551; Mar. 19; v. 248; p. 533.
Perforating-machine. H. Swanson. No. 1,285,837; Nov. 26; v. 256; p. 723.
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Perforating-machines, Carriage-stop mechanism for. W. W. Lasker. No. 1,287,706; Dec. 17; v. 257; p. 441.
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Permutation-lock. E. W. Reuber. No. 1,254,435; Jan. 22; v. 246; p. 949.
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Phosphate, Manufacture of mono and di-ammonium. I. Hechenbleikner. No. 1,264,514; Apr. 30; v. 249; p. 1098.
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Photographic film. C. J. Coleman. No. 1,276,330; Aug. 20; v. 253; p. 611.
Photographic film. I. M. Kelley. No. 1,286,341; Dec. 3; v. 257; p. 38.
Photographic film. F. W. Lovejoy. No. 1,275,989; Aug. 13; v. 253; p. 486.
Photographic film. F. W. Lovejoy. No. 1,276,779; Aug. 27; v. 253; p. 772.
Photographic film. A. W. McCurdy. No. 1,261,747; Apr. 2; v. 249; p. 212.
Photographic-film cartridge. W. L. Farley. No. 1,263,754; Apr. 23; v. 249; p. 853.
Photographic-film cartrige. J. G. Jones. No. 1,255,017; Jan. 29; v. 246; p. 1148.
Photographic-film cartridge. J. G. Jones. No. 1,272,454; July 16; v. 252; p. 536.
Photographic-film cartridge or pack. A. W. McCurdy. No. 1,261,748; Apr. 2; v. 249; p. 212.
Photographic-film cartridges, Preparing. H. Gindele. No. 1,251,766; Jan. 1; v. 246; p. 97.
Photographic-film-feeding device. W. Bausch. No. 1,258,387; Mar. 5; v. 248; p. 127.
Photographic-film holder. H. S. Killgore. No. 1,269,457; June 11; v. 251; p. 407.
Photographic-film identification-clip. S. D. Bumgardner. No. 1,284,582; Nov. 12; v. 256; p. 326.
Photographic-film pack. A. A. Ruttan. No. 1,260,458; Mar. 26; v. 248; p. 826.
Photographic-film spool. G. A. Riggs. No. 1,269,003; June 11; v. 251; p. 282.
Photographic-film strip. W. F. Folmer. No. 1,260,357; Mar. 26; v. 248; p. 797.
Photographic-film-treating apparatus. F. B. Thompson. No. 1,281,711; Oct. 15; v. 255; p. 494.
Photographic films and the like, Device for developing. S. Windrim and D. D. Young. No. 1,274,651; Aug. 6; v. 253; p. 89.
Photographic films, Developing apparatus for. R. Kroedel. No. 1,270,302; June 25; v. 251; p. 694.
Photographic films, Drying-cage for. B. L. Dickason. No. 1,266,001; May 14; v. 250; p. 341.
Photographic films, Means and method of marking. G. R. McAllaster. No. 1,260,415; Mar. 26; v. 248; p. 814.
Photographic films, Means for joining. H. R. Evans. No. 1,259,500; Mar. 19; v. 248; p. 518.
Photographic films of varying porousness, Producing. J. H. Christensen. No. 1,256,981; Feb. 19; v. 247; p. 624.
Photographic films, Spool for. J. E. Linden. No. 1,261,946; Apr. 9; v. 249; p. 301.
Photographic frame for printing on metal. F. C. Sampson. No. 1,280,308; Oct. 1; v. 255; p. 54.
Photographic images, Coloring. W. V. D. Kelley. No. 1,259,411; Mar. 12; v. 248; p. 460.
Photographic material, Marking. H. J. Gaisman. No. 1,256,784; Feb. 19; v. 247; p. 565.
Photographic material, Method and apparatus for producing designations upon. H. J. Gaisman. No. 1,272,415; July 16; v. 252; p. 526.
Photographic method and apparatus. C. W. Kanolt. No. 1,260,682; Mar. 26; v. 248; p. 894.
Photographic negatives, Apparatus for developing. E. J. Sweetland. No. 1,285,461; Nov. 19; v. 256; p. 588.
Photographic paper. A. C. McCloskey. No. 1,265,464; May 7; v. 250; p. 163.
Photographic-plate holder. W. E. Mowrey. No. 1,279,407; Sept. 17; v. 254; p. 616.
Photographic-plate holder. S. G. Zuckerman. No. 1,267,159; May 21; v. 250; p. 694.
Photographic plates and films, Machine for the automatic development of. H. J. Baker. No. 1,254,300; Jan. 22; v. 246; p. 911.
Photographic-print trimmer. R. M. Cathcart. No. 1,267,055; May 21; v. 250; p. 664
Photographic-print washer. L. B. Hall. No. 1,275,556; Aug. 13; v. 253; p. 364.
Photographic prints and the like, Apparatus for treating. W. E. Swalm and A. E. Sexton. No. 1,268,406; June 4; v. 251; p. 96.
Photographic prints and the like, Machine for drying. G. M. Dye. No. 1,277,202; Aug. 27; v. 253; p. 885.
Photographic prints in colors, Paper for producing. J. E. Thornton. No. 1,263,962; Apr. 23; v. 249; p. 912.
Photographic-printing apparatus. W. R. R. Frye. No. 1,275,239; Aug. 13; v. 253; p. 278.
Photographic-printing apparatus. H. M. Webster. No. 1,262,723; Apr. 16; v. 249; p. 546.
Photographic-printing device. J. R. Powell. No. 1,268,609; June 4; v. 251; p. 154.
Photographic-printing device. J. H. Stean. No. 1,281,092; Oct. 8; v. 255; p. 295.
Photographic-printing machine. F. W. Barnes. No. 1,266,385; May 14; v. 250; p. 446.
Photographic-printing machine. I. P. Barrows. No. 1,276,476; Aug. 20; v. 253; p. 653.
Photographic-printing machine. J. V. McAdam and C. J. Everett. No. 1,288,077; Dec. 17; v. 257; p. 534.
Photographic-printing machine. H. U. Strong. No. 1,261,177; Apr. 2; v. 249; p. 52.
Photographic-printing machine. C. A. Watson. No. 1,284,507; Nov. 12; v. 256; p. 308.
Photographic-printing process. J. E. Thornton. No. 1,288,753; Dec. 24; v. 257; p. 726.
Photographic-roll-film cartridge. T. Baker. No. 1,269,365; June 11; v. 251; p. 383.
Photographic service-flag. C. A. Bowman, Jr. No. 1,284,050; Nov. 5; v. 256; p. 160.
Photographic shutter. O. H. Gruss. No. 1,274,262; July 30; v. 252; p. 1099.
Photographic shutter. R. Klein. No. 1,287,045; Dec. 10; v. 257; p. 246.
Photographic shutter. R. Klein and T. M. Brueck. No. 1,276,663; Aug. 20; v. 253; p. 704.
Photographic shutter. R. Klein and T. Brueck. No. 1,280,240; Oct. 1; v. 255; p. 35.
Photographic shutter. P. J. Marks. No. 1,257,624; Feb. 26; v. 247; p. 847.
Photographic shutter. P. J. Marks. No. 1,270,311; June 25; v. 251; p. 697.
Photographic-shutter mechanism. W. F. Folmer. No. 1,266,443; May 14; v. 250; p. 461.
Photographic shutters, Retarder for. A. Wollensak. No. 1,266,649; May 21; v. 250; p. 551.
Photographic stereoscopic transparencies, Making. A. Hernandez-Mejia. No. 1,282,829; Oct. 29; v. 255; p. 867.
Photographic type-composing machine. A. E. Bawtree. No. 1,283,394; Oct. 29; v. 255; p. 1020.
Photographic view-finder. C. E. Hutchings. No. 1,282,839; Oct. 29; v. 255; p. 870.
Photographic washing apparatus or tank. W. Bergman. No. 1,265,291; May 7; v. 250; p. 115.
Photographing apparatus. G. C. Beidler. No. 1,272,190; July 9; v. 252; p. 437.
Photographing apparatus, Automatic. A. Lattau. No. 1,280,252; Oct. 1; v. 255; p. 38.
Photography and making same, Substance for use in. A. De Brayer. No. 1,277,048; Aug. 27; v. 253; p. 842.
Photography, Color. F. E. Ives. No. 1,261,542; Apr. 2; v. 249; p. 157.
Photography, Color. F. E. Ives. No. 1,268,847; June 11; v. 251; p. 239.
Photography, Color. F. E. Ives. No. 1,278,667; Sept. 10; v. 254; p. 386.
Photography, Color. W. V. D. Kelley. No. 1,278,161; Sept. 10; v. 254; p. 250.
Photography, Color. M. J. Wohl and M. Mayer. No. 1,279,065; Sept. 17; v. 254; p. 524.
Photography exposure-meter. S. J. Cady. No. 1,262,635; Apr. 16; v. 249; p. 521.
Photography, Light-splitting device for color. P. D. Brewster. No. 1,253,138; Jan. 8; v. 246; p. 527.
Photography, Light-splitting device for color. P. D. Brewster. No. 1,277,040; Aug. 27; v. 253; p. 840.
Photography, Motion-picture. W. H. Merrill and T. C. Martin. No. 1,265,352; May 7; v. 250; p. 132.
Photography, Subtractive and additive color. W. V. D. Kelley. No. 1,278,162; Sept. 10; v. 254; p. 251.
Photomechanical color-printing plates, Making. F. T. Powers. No. 1,272,521; July 16; v. 252; p. 555.
Photometer. A. P. Little. No. 1,288,067; Dec. 17; v. 257; p. 531.
Photometer. T. L. Parker. No. 1,276,259; Aug. 20; v. 253; p. 592.
Photoprint-adjuster. L. L. Stevenson. No. 1,275,784; Aug. 13; v. 253; p. 428.
Photoprint-drier. E. A. Kroner. No. 1,277,952; Sept. 3; v. 254; p. 170.

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Photoprinting apparatus. F. S. Tyrrell. No. 1,252,513; Jan. 8; v. 246; p. 343.
Photoprinting-machines, Automatic numbering device for. P. E. and P. W. Hamilton. No. 1,252,075; Jan. 1; v. 246; p. 186.
Photosensitive electrical cells, Increasing the capacity of. S. A. Berglund. No. 1,289,369; Dec. 31; v. 257; p. 900.
Phthalic anhydrid, Making. T. D. Greenley. No. 1,261,022; Apr. 2; v. 249; p. 10.
Phthalic anhydrid, phthalic acid, benzoic acid, and naphthaquinones, Manufacture of. H. D. Gibbs and C. Conover. No. 1,284,888; Nov. 12; v. 256; p. 404.
Phthalic anhydrid, phthalic acid, benzoic acid, and naphthaquinones, Manufacture of. H. D. Gibbs and C. Conover. No. 1,285,117; Nov. 19; v. 256; p. 500.
Physical-culture apparatus. A. Kost. No. 1,257,957; Feb. 26; v. 247; p. 943.
Physical exerciser or athletic vehicle. J. Q. Slye. No. 1,287,484; Dec. 10; v. 257; p. 354.
Piano. A. Krieghoff. No. 1,261,406; Apr. 2; v. 249; p. 118.
Piano. A. B. Vant. No. 1,283,988; Nov. 5; v. 256; p. 145.
Piano. F. J. W. Weiser. No. 1,275,806; Aug. 13; v. 253; p. 435.
Piano-action. W. R. St. Clair. No. 1,277,660; Sept. 3; v. 254; p. 92.
Piano action, Grand-. H. J. Sandlas. No. 1,255,342; Feb. 5; v. 247; p. 66.
Piano-actions, Flange for. J. N. Brown. No. 1,271,130; July 2; v. 252; p. 105.
Piano and pump therefor, Player-. C. Freborg. No. 1,267,859; May 28; v. 250; p. 916.
Piano, Automatic. W. D. Wamsley. No. 1,261,329; Apr. 2; v. 249; p. 96.
Piano, Bell-. R. G. Harris. No. 1,287,981; Dec. 17; v. 257; p. 510.
Piano-bench. A. C. Abramson. No. 1,258,640; Mar. 12; v. 248; p. 241.
Piano-bench. C. H. Martin. No. 1,269,948; June 18; v. 251; p. 574.
Piano construction, Player-. C. Freborg. No. 1,268,448; June 4; v. 251; p. 109.
Piano construction, Player-. A. G. Gulbransen. No. 1,288,565; Dec. 24; v. 257; p. 680.
Piano, Grand. J. F. Conover. No. 1,284,602; Nov. 12; v. 256; p. 330.
Piano-hoist. J. W. Wolfe and J. A. Snow. No. 1,267,952; May 28; v. 250; p. 941.
Piano mechanism, Player-. A. G. and C. Gulbransen. No. 1,274,355; Aug. 6; v. 253; p. 57.
Piano mechanism, Vacuum-pump and control unit for player-. C. E. Wenz. No. 1,289,986; Dec. 31; v. 257; p. 1052.
Piano, Player-. T. Holverson. No. 1,252,111; Jan. 1; v. 246; p. 197.
Piano, Player-. J. C. McPhail. No. 1,277,443; Sept. 3; v. 254; p. 31.
Piano, Player-. E. A. Tappe. No. 1,278,807; Sept. 10; v. 254; p. 424.
Piano-player. E. C. Wamelink. No. 1,262,881; Apr. 16; v. 249; p. 591.
Piano-player, Pneumatic. C. E. Peterson. No. 1,274,766; Aug. 6; v. 253; p. 121.
Piano-players, Motor-mounting for. C. Freborg. No. 1,267,536; May 28; v. 250; p. 824.
Piano-playing mechanism. F. H. Laubach. No. 1,279,371; Sept. 17; v. 254; p. 607.
Piano-seat attachment. M. Cusanelli. No. 1,265,999; May 14; v. 250; p. 341.
Piano sounding-board. T. F. O'Shaughnessy. No. 1,288,152; Dec. 17; v. 257; p. 554.
Piano-stool and music-cabinet, Combination. E. I. Stansel. No. 1,280,891; Oct. 8; v. 255; p. 241.
Piano-strings and frame for same. E. Foster. No. 1,266,445; May 14; v. 250; p. 462.
Piano-tuning device, C. C. Meinzolt. No. 1,257,512; Feb. 26; v. 247; p. 813.
Piano tuning-pins, Bushing for. H. Bayer. No. 1,264,140; Apr. 30; v. 249; p. 992.
Piano-violin bow. G. K. Henning. No. 1,256,900; Feb. 19; v. 247; p. 600.
Piano, Zither-. H. F. Schenuit. No. 1,282,636; Oct. 22; v. 255; p. 786.
Pianos and organs, Key-indicator for. W. J. Peters. No. 1,270,657; June 25; v. 251; p. 793.
Pianos and the like, Apparatus for varying playing intensity of player-. G. M. Russell. No. 1,284,146; Nov. 5; v. 256; p. 187.
Pianos and the like, Note-sheet for player-. C. F. Stoddard. No. 1,270,985; July 2; v. 252; p. 66.
Pianos and the like, Pedal attachment for. W. I. Kirk. No. 1,269,717; June 18; v. 251; p. 511.
Pianos and the like, Pneumatic action for player-. A. P. Gustafson. No. 1,253,030; Jan. 8; v. 246; p. 496.
Pianos, Attachment for player-. A. M. Steinert. No. 1,261,175; Apr. 2; v. 249; p. 52.
Pianos, Motor for player-. C. Freborg. No. 1,267,535; May 28; v. 250; p. 823.
Pianos, Mouse-guard for. S. D. Bell. No. 1,267,047; May 21; v 250; p. 662.
Pianos, Pedal-controlled phrasing device for player-. G. H. Parsons. No. 1,271,934; July 9; v. 252; p. 363.
Pianos, Pianissimo device for. J. A. Hussey. No. 1,289,449; Dec. 31; v. 257; p. 921.
Pianos, Pneumatic action for player-. M. Hilgert. No. 1,263,556; Apr. 23; v. 249; p. 801.
Pianos, Pneumatic action for player-. F. G. Lynde. No. 1,282,444; Oct. 22; v. 255; p. 734.
Pianos, Pneumatic action for player-. H. Meyer. No. 1,271,193; July 2; v. 252; p. 125.
Pianos, Sounding-board mounting for grand. J. Hattemer. No. 1,276,650; Aug. 20; v. 253; p. 701.
Pianos, Tempo-lever mechanism for automatic-playing. C. Bergland. No. 1,276,314; Aug. 20; v. 253; p. 607.
Pianos, Tracker mechanism for player-. W. E. Shore. No. 1,280,319; Oct. 1; v. 255; p. 58.
Pianos, Treadle-shifting and door-operating mechanism for automatic player-. G. M. Russell. No. 1,252,035; Jan. 1; v. 246; p. 175.
Pick-control mechanism. A. J. Chevrette. No. 1,280,662; Oct. 8; v. 255; p. 178.
Pick for stringed instruments. A. Burdwise. No. 1,263,740; Apr. 23; v. 249; p. 849.
Pickax. C. M. Bragdon. No. 1,273,023; July 16; v. 252; p. 698.
Pickax. A. R. Thomson. No. 1,262,870; Apr. 16; v. 249; p. 588.
Pickax, Convertible. P. Ball. No. 1,279,075; Sept. 17; v. 254; p. 527.
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Berry-picker. Fruit-picker.
Cherry-picker. Mine-picker.
Cotton-picker. Pea-picker.
Picker. H. G. West. No. 1,283,436; Oct. 29; v. 255; p. 1030.
Picker-stem. L. W. Campbell. No. 1,277,852; Sept. 3; v. 254; p. 144.
Picker-stem. L. W. Campbell. No. 1,277,853; Sept. 3; v. 254; p. 145.
Picker-stick. R. Serafin. No. 1,279,024; Sept. 17; v. 254; p. 513.
Picker-stick check. F. G. Cobb. No. 1,277,863; Sept. 3; v. 254; p. 147.
Picker-stick check. W. Curren. No. 1,286,544; Dec. 3; v. 257; p. 89.
Picker-stick check. M. F. Field. No. 1,286,570; Dec. 3; v. 257; p. 95.
Picking-bag. E. Woodrum. No. 1,270,354; June 25; v. 251; p. 709.
Pickle liquor, Producing by-products from waste. A. F. Hoffman. No. 1,269,442; June 11; v. 251; p. 403.
Pickle liquor, Treating waste. A. F. Hoffman and W. M. Parkin. No. 1,269,441; June 11; v. 251; p. 402.
Pickle-spear. P. N. Unsinger. No. 1,275,504; Aug. 13; v. 253; p. 350.
Pickling apparatus. D. Kendall. No. 1,259,024; Mar. 12; v. 248; p. 352.
Pickling compound. H. J. Crabbe. No. 1,268,818; June 11; v. 251; p. 231.
Pickling liquor and making the same. G. F. Doran. No. 1,259,377; Mar. 12; v. 248; p. 451.
Pickling olives. W. V. Cruess. No. 1,257,584; Feb. 26; v. 247; p. 835.
Pickling process and bath. A. F. Hoffman. No. 1,269,443; June 11; v. 251; p. 403.
Picot-edging attachment. M. A. Bergwardt. No. 1,264,886; May 7; v. 250; p. 4.
Picture advertising apparatus, Automatic motion-. C. S. Webster. No. 1,282,154; Oct. 22; v. 255; p. 656.
Picture and design made from dry earth and making same. M. M. Flammer. No. 1,255,001; Jan. 29; v. 246; p. 1143.
Picture and making same. J. G. Kitchell. No. 1,269,458; June 11; v. 251; p. 407.
Picture and sound-record carriers, Film-controlled mechanism for synchronized motion-. C. W. Ebeling. No. 1,254,487; Jan. 22; v. 246; p. 964.
Picture and sound-reproducing machines, Synchronizing mechanism for motion-. H. W. Rogers. No. 1,255,823; Feb. 5; v. 247; p. 205.
Picture and sound-reproducing means, Film-control mechanism for motion-. H. W. Rogers. No. 1,254,436; Jan. 22; v. 246; p. 949.
Picture and sound-reproducing mechanism, Combination motion-. A. L. Kirkwood. No. 1,268,729; June 4; v. 251; p. 187.
Picture and sound-reproducing mechanisms, Mechanism for controlling motion-. H. W. Rogers. No. 1,255,822; Feb. 5; v. 247; p. 204.
Picture apparatus and phonograph, Combined motion-. D. O. Royster. No. 1,252,304; Jan. 1; v. 246; p. 249.
Picture apparatus, Film-controlled indicator for moving-. J. G. Jonson. No. 1,272,671; July 16; v. 252; p. 599.
Picture apparatus for projectors and cameras, Motion-. S. Bardy. No. 1,258,298; Mar. 5; v. 248; p. 101.
Picture apparatus, Loop-forming mechanism for motion-. A. S. Howell. No. 1,267,413; May 28; v. 250; p. 790.
Picture apparatus, Motion-. M. H. Avram. No. 1,260,280; Mar. 19; v. 248; p. 740.
Picture apparatus, Motion-. F. W. Barnes. No. 1,269,366; June 11; v. 251; p. 383.

Picture apparatus, Motion-. F. M. Ives. No. 1,262,954; Apr. 16; v. 249; p. 612.
Picture apparatus, Motion-. S. Kamowski. No. 1,258,226; Mar. 5; v. 248; p. 80.
Picture apparatus, Motion-. I. F. Peck. No. 1,255,044; Jan. 29; v. 246; p. 1155.
Picture apparatus, Motion-. R. H. Pietzsch and R. P. Nichols. No. 1,264,972; May 7; v. 250; p. 28.
Picture apparatus, Motion-. J. D. Scott and E. C. Van Altena. No. 1,262,105; Apr. 9; v. 249; p. 343.
Picture apparatus, Motion-. W. J. Stange and L. M. Bannan. No. 1,261,865; Apr. 9; v. 249; p. 279.
Picture apparatus, Motion-. L. T. Welch. No. 1,285,857; Nov. 26; v. 256; p. 727.
Picture apparatus, Motion-. L. Ziegler. No. 1,286,483; Dec. 3; v. 257; p. 75.
Picture apparatus, Moving-. C. J. Coleman. No. 1,271,667; July 9; v. 252; p. 290.
Picture apparatus, Moving-. C. J. Gotti. No. 1,253,372; Jan. 15; v. 246; p. 625.
Picture apparatus, Moving-. L. McCormick. No. 1,256,147; Feb. 12; v. 247; p. 341.
Picture apparatus, Moving-. D. W. Player. No. 1,253,883; Jan. 15; v. 246; p. 772.
Picture apparatus, Moving-. W. J. Prueha and C. W. Weatherwax. No. 1,259,775; Mar. 19; v. 248; p. 595.
Picture-carrier for use in connection with projector-lanterns. W. L. Isbills. No. 1,260,673; Mar. 26; v. 248; p. 891.
Picture, Color moving. J. Shaw and J. W. Berwick. No. 1,287,594; Dec. 10; v. 257; p. 382.
Picture, Colored moving. C. J. Coleman. No. 1,271,668; July 9; v. 252; p. 290.
Picture device, Changeable-. H. F. Lowenstein. No. 1,285,753; Nov. 26; v. 256; p. 700.
Picture-display apparatus. A. R. Mitchell. No. 1,288,114; Dec. 17; v. 257; p. 544.
Picture-displaying apparatus. H. W. Green. No. 1,284,656; Nov. 12; v. 256; p. 344.
Picture-exhibiting apparatus. J. A. Cameron. No. 1,262,578; Apr. 9; v. 249; p. 477.
Picture film and making it, Moving-. A. D. Brixey. No. 1,270,778; July 2; v. 252; p. 7.
Picture-film-developing apparatus, Moving-. M. F. Macdonald. No. 1,252,599; Jan. 8; v. 246; p. 369.
Picture film, Moving-. A. D. Brixey. No. 1,255,288; Feb. 5; v. 247; p. 49.
Picture film, Moving-. C. Rearick. No. 1,255,338; Feb. 5; v. 247; p. 64.
Picture film, Moving-. T. T. Tuttle. No. 1,261,979; Apr. 9; v. 249; p. 310.
Picture film, Rebus motion-. A. D. Parfitt. No. 1,277,468; Sept. 3; v. 254; p. 37.
Picture-film reel, Moving-. R. M. Anderson. No. 1,266,379; May 14; v. 250; p. 444.
Picture-film winder, Motion-. H. W. Floyd. No. 1,259,091; Mar. 12; v. 248; p. 370.
Picture films, Apparatus for repairing motion-. E. M. Bendheim. No. 1,264,362; Apr. 30; v. 249; p. 1055.
Picture films, Detector for imperfections in moving-. M. S. Rosenfeld. No. 1,279,445; Sept. 17; v. 254; p. 625.
Picture films, Indicating device for moving-. F. H. Avers. (Reissue.) No. 14,532; Oct. 8; v. 255; p. 345.
Picture films, Making motion-. W. and D. Horsley. No. 1,280,735; Oct. 8; v. 255; p. 197.
Picture films, Making moving-. P. H. Terry. No. 1,261,648; Apr. 2; v. 249; p. 186.
Picture films, Manufacture of moving-. C. A. Gilbert. No. 1,279,099; Sept. 17; v. 254; p. 533.
Picture films, Reel for motion-. H. Graf. No. 1,284,653; Nov. 12; v. 256; p. 343.
Picture films, Rewinder for motion-. H. Carpenter. No. 1,270,115; June 18; v. 251; p. 617.
Picture-frame. J. P. Clary Von Carlsberg. No. 1,275,662; Aug. 13; v. 253; p. 395.
Picture-frame. H. S. Cobb. No. 1,253,152; Jan. 8; v. 246; p. 531.
Picture-frame. R. Davidoff. No. 1,283,100; Oct. 29; v. 255; p. 942.
Picture-frame. G. Felsenthal. No. 1,253,803; Jan. 15; v. 246; p. 748.
Picture-frame. J. J. McNicholas. No. 1,252,918; Jan. 8; v. 246; p. 459.
Picture-frame. D. Schafer and A. Kitscher. No. 1,255,797; Feb. 5; v. 247; p. 197.
Picture-frame. F. F. Schroder. No. 1,254,162; Jan. 22; v. 246; p. 871.
Picture-frame. F. Wilkenson. No. 1,270,475; June 25; v. 251; p. 743.
Picture-frame and base. C. H. Lieber. No. 1,256,337; Feb. 12; v. 247; p. 399.
Picture-frame leg. C. H. Lieber. No. 1,266,694; May 21; v. 250; p. 563.
Picture-hanger. J. P. Clary Von Carlsberg. No. 1,273,426; July 23; v. 252; p. 831.
Picture-hanger. A. Green. No. 1,273,057; July 16; v. 252; p. 706.
Picture-hanger. H. Mock. No. 1,272,696; July 16; v. 252; p. 606.
Picture-holder. Z. Orizaroff. No. 1,285,2[illegible]3; Nov. 19; v. 256; p. 559.
Picture hook or hanger. J. Babitzky. No. 1,255,274; Feb. 5; v. 247; p. 45.
Picture-lifter. G. E. Morse. No. 1,254,925; Jan. 29; v. 246; p. 1123.
Picture machine, Motion-. D. P. Dodd. No. 1,286,874; Dec. 3; v. 257; p. 163.
Picture machine, Motion-. C. F. Jenkins. No. 1,281,970; Oct. 15; v. 255; p. 564.
Picture machine, Motion-. L. B. Larsen, O. J. Holmes, and H. G. Larsen. No. 1,283,224; Oct. 29; v. 255; p. 974.
Picture machine, Motion-. L. B. Larsen, O. J. Holmes, and H. G. Larsen. No. 1,286,662; Dec. 3; v. 257; p. 116.
Picture machine, Motion-. L. B. Larsen, O. J. Holmes, and H. G. Larsen. No. 1,287,353; Dec. 10; v. 257; p. 323.
Picture machine, Motion-. A. Mehlfelder. No. 1,258,352; Mar. 5; v. 248; p. 116.
Picture machine, Motion-. C. J. Peterson. No. 1,258,704; Mar. 12; v. 248; p. 258.
Picture machine, Motion-. C. J. Peterson. No. 1,258,705; Mar. 12; v. 248; p. 259.
Picture machine, Motion-. A. C. Roebuck. No. 1,277,482; Sept. 3; v. 254; p. 41.
Picture machine, Motion-. R. S. Shaw. No. 1,258,712; Mar. 12; v. 248; p. 261.
Picture machine, Motion-. B. Stechbart. No. 1,287,499; Dec. 10; v. 257; p. 358.
Picture machine, Motion-. B. Stechbart. No. 1,287,500; Dec. 10; v. 257; p. 358.
Picture machine, Motion-. B. Stechbart. No. 1,287,502; Dec. 10; v. 257; p. 359.
Picture machine, Motion-. B. Stechbart. No. 1,287,503; Dec. 10; v. 257; p. 359.
Picture machine, Motion-. H. A. de Vry. No. 1,287,576; Dec. 10; v. 257; p. 377.
Picture machine, Motion-. H. A. de Vry. No. 1,288,531; Dec. 24; v. 257; p. 672.
Picture machine, Moving-. J. A. Cameron. No. 1,273,328; July 23; v. 252; p. 804.
Picture machine, Moving-. J. A. Cameron. No. 1,274,241; July 30; v. 252; p. 1094.
Picture machine, Moving-. J. A. Cameron. No. 1,274,242; July 30; v. 252; p. 1094.
Picture machine, Moving-. R. M. Craig. No. 1,260,338; Mar. 26; v. 248; p. 791.
Picture machine, Moving-. J. Darby. No. 1,280,676; Oct. 8; v. 255; p. 182.
Picture machine, Moving-. C. G. Grabe. No. 1,276,054; Aug. 20; v. 253; p. 536.
Picture machine, Moving-. F. McMillan. No. 1,275,956; Aug. 13; v. 253; p. 476.
Picture machine, Moving-. C. M. Sloman. No. 1,283,577; Nov. 5; v. 256; p. 36.
Picture machine, Moving-. C. L. Tomlinson. No. 1,265,715; May 7; v. 250; p. 229.
Picture machine, Moving-. M. J. Vinik. No. 1,254,552; Jan. 22; v. 246; p. 983.
Picture machine, Portable moving-. F. C. Taylor. No. 1,281,095; Oct. 8; v. 255; p. 296.
Picture machines, Automatic change-over signal for motion-. V. Wood. No. 1,275,995; Aug. 13; v. 253; p. 488.
Picture machines, Compensating feed for moving-. M. Segel. No. 1,271,623; July 9; v. 252; p. 276.
Picture machines, Film-locking device for moving-. P. F. Krug. No. 1,262,611; Apr. 9; v. 249; p. 487.
Picture machines, Focusing device for moving-. E. A. Nelson. No. 1,271,748; July 9; v. 252; p. 312.
Picture machines, Focusing device for moving-. E. A. Nelson. No. 1,271,929; July 9; v. 252; p. 361.
Picture machines, Framing means for motion-. B. Stechbart. No. 1,287,504; Dec. 10; v. 257; p. 360.
Picture machines, Lighting apparatus for motion-. M. Segel. No. 1,255,344; Feb. 5; v. 247; p. 66.
Picture machines, Loop-forming mechanism for moving-. A. P. Taber. No. 1,258,499; Mar. 5; v. 248; p. 160.
Picture machines, Loop-forming wing for motion-. P. F. Krug. No. 1,282,437; Oct. 22; v. 255; p. 732.
Picture machines, Phonographic attachment for moving-. R. M. Craig. No. 1,260,337; Mar. 26; v. 248; p. 791.
Picture machines, Reeling mechanism for motion-. B. Stechbart. No. 1,287,498; Dec. 10; v. 257; p. 358.
Picture machines, Stop-motion for motion-. E. B. Hulsey and J. A. D. Herrington. No. 1,261,029; Apr. 2; v. 249; p. 11.
Picture machines, Supporting-frame for motion-. N. Power. No. 1,273,921; July 30; v. 252; p. 1004.
Picture machines, Tension device for moving-. N. Power. No. 1,270,866; July 2; v. 252; p. 32.
Picture-mounting. W. A. Hatch. No. 1,268,839; June 11; v. 251; p. 237.
Picture-printing machine, Motion-. R. P. Stineman. No. 1,260,590; Mar. 26; v. 248; p. 866.
Picture-projecting and photographing device. A. R. Bullock. No. 1,273,327; July 23; v. 252; p. 803.
Picture-projecting and sound-reproducing machine, Combined. J. Moltchen. No. 1,277,991; Sept. 3; v. 254; p. 181.
Picture-projecting apparatus. W. V. Foley. No. 1,273,843; July 30; v. 252; p. 981.

Alphabetical list of inventions—Continued.

Picture-projecting apparatus, Motion-. E. L. Aiken. No. 1,272,174; July 9; v. 252; p. 432.
Picture-projecting apparatus, Motion-. H. R. Evans. No. 1,261,800; Apr. 9; v. 249; p. 262.
Picture-projecting apparatus, Motion-. R. E. B. Wakefield. No. 1,284,499; Nov. 12; v. 256; p. 306.
Picture-projecting apparatus, Moving-. E. Schneider. No. 1,274,607; Aug. 6; v. 253; p. 77.
Picture-projecting device, Motion-. R. M. Eaton. No. 1,286,962; Dec. 10; v. 257; p. 224.
Picture-projecting machine. B. H. Foster. No. 1,264,869; Apr. 30; v. 249; p. 1194.
Picture-projecting machine, Motion-. J. C. Chambers. No. 1,278,591; Sept. 10; v. 254; p. 366.
Picture-projecting machine, Motion-. N. Power. No. 1,255,336; Feb. 5; v. 247; p. 64.
Picture-projecting machine, Motion-. F. L. Terwilliger. No. 1,256,613; Feb. 19; v. 247; p. 515.
Picture-projecting machines, Attachment for motion-. W. H. Kelly. No. 1,273,070; July 16; v. 252; p. 710.
Picture projection and other purposes, Apparatus for motion-. W. V. Foley. No. 1,286,269; Dec. 3; v. 257; p. 21.
Picture projector, Two-in-one motion-. C. Kesses. No. 1,281,253; Oct. 8; v. 255; p. 341.
Picture-projectors and the like, Compensating device for hand-operated motion-. C. W. Ebeling. No. 1,261,797; Apr. 9; v. 249; p. 262.
Picture puppet-plays, Apparatus for producing motion-. R. F. Taylor and W. W. Wheatly. No. 1,275,496; Aug. 13; v. 253; p. 348.
Picture-reel. W. Beckwith. No. 1,269,999; June 18; v. 251; p. 587.
Picture scenery, Moving-. R. Hartwick. No. 1,260,900; Mar. 26; v. 248; p. 953.
Picture screen, Motion-. M. Blumenberg, by judicial change of name M. Hill. No. 1,269,552; June 11; v. 251; p. 431.
Picture screens, Device for conveying sounds to moving-. H. C. Fentress. No. 1,276,198; Aug. 20; v. 253; p. 576.
Picture-securing device. D. H. Butler. No. 1,269,382; June 11; v. 251; p. 388.
Picture-slide-display apparatus. J. D. Scott and E. C. Van Altena. No. 1,282,298; Oct. 22; v. 255; p. 694.
Picture studies, Light-diffusing means for motion-. R. P. Miller. No. 1,271,056; July 2; v. 252; p. 86.
Picture target apparatus, Moving-. G. A. Kerestes. No. 1,281,169; Oct. 8; v. 255; p. 318.
Pictures and designs, Delineating or reproducing. R. C. Beck, E. A. Owens, and J. H. Steinman. No. 1,254,764; Jan. 29; v. 246; p. 1075.
Pictures and photographic negatives, Illuminating device for transparent. J. J. Singer. No. 1,272,547; July 16; v. 252; p. 562.
Pictures and similar projections, Apparatus for correcting distortion in moving. H. Allison. No. 1,259,711; Mar. 19; v. 248; p. 577.
Pictures and the like, Apparatus for the production of motion-. C. A. Willat and W. B. Wescott. No. 1,289,027; Dec. 24; v. 257; p. 791.
Pictures, Apparatus for conveying the speech of performers simultaneously and synchronously with the displaying of. J. Powers. No. 1,280,542; Oct. 1; v. 255; p. 119.
Pictures, Apparatus for observing moving. G. Worthington. No. 1,261,886; Apr. 9; v. 249; p. 284.
Pictures, Apparatus for simulating moving. C. E. Noville. No. 1,288,145; Dec. 17; v. 257; p. 551.
Pictures in colors, Producing moving. J. Shaw. No. 1,289,940; Dec. 31; v. 257; p. 1041.
Pictures, Making and projecting. F. Davies. No. 1,262,180; Apr. 9; v. 249; p. 366.
Pictures, Making motion-. J. S. Dawley. No. 1,278,117; Sept. 10; v. 254; p. 239.
Pictures, Means for indicating the display of motion-. R. D. Pike. No. 1,256,591; Feb. 19; v. 247; p. 508.
Pictures, Method and apparatus for synchronously producing sounds to accompany motion. E. L. Greensfelder. No. 1,254,684; Jan. 29; v. 246; p. 1050.
Pictures, Method of and apparatus for making panoramic. G. S. Blankenhorn. No. 1,282,177; Oct. 22; v. 255; p. 662.
Pictures, Mounting of. A. Boning. No. 1,270,370; June 25; v. 251; p. 713.
Pictures, Production of colored. W. F. Fox. No. 1,256,675; Feb. 19; v. 247; p. 533.
Pictures, Projecting moving. R. C. Newhouse. No. 1,262,590; Apr. 9; v. 249; p. 480.
Pictures, Projector for moving. B. J. Such. No. 1,261,315; Apr. 2; v. 249; p. 92.
Pictures shown upon screens, Device or means for giving stereoscopic or distance effect to moving. A. R. Flint. No. 1,284,084; Nov. 5; v. 256; p. 171.
Pictures, Taking motion-. F. D. Williams. No. 1,273,435; July 23; v. 252; p. 833.
Pie-container. R. W. White. No. 1,257,057; Feb. 19; v. 247; p. 646.
Pie-covering machine. A. H. Braecklein. No. 1,266,913; May 21; v. 250; p 623.
Pie-covering machine. A. H. Braecklein. No. 1,266,914; May 21; v. 250; p. 624.
Pie-crimper. J. H. Brewer. No. 1,265,600; May 7; v. 250; p. 198.
Pigeons, Timing device. J. H. Bell. No. 1,266,907; May 21; v 250; p. 622.
Pigment and the manufacture thereof, Lake. L. E. Barton and H. A. Gardner. No. 1,286,916; Dec. 10; v. 257; p. 213.
Pile cleaner and protector. A. L. Reynolds. No. 1,266,051; May 14; v. 250; p. 355.
Pile-driver. J. Torjesen. No. 1,266,352; May 14; v. 250; p. 438.
Pile-driving apparatus. R. H. F. Sewall. No. 1,267,129; May 21; v. 250; p. 685.
Pile-driving mechanism. J. Erickson. No. 1,284,273; Nov. 12; v. 256; p. 248.
Pile fabric. J. W. Sohn. No. 1,270,229; June 18; v. 251; p. 648.
Pile fabric. J. W. Sohn. No. 1,270,230; June 18; v. 251; p. 648.
Pile fabric. J. W. Sohn. No. 1,285,442; Nov. 19; v. 256; p. 583.
Pile fabrics, Mechanism for producing designs on. I. Kitsee. No. 1,253,049; Jan. 8; v. 246; p. 501.
Pile fabrics with designs, Supplying. I. Kitsee. No. 1,253,050; Jan. 8; v. 246; p. 501.
Pile-form and driving same. F. Shuman. No. 1,258,482; Mar. 5; v. 248; p. 154.
Pile-forming apparatus. F. Shuman. No. 1,281,860; Oct. 15; v. 255; p. 536.
Pile-protector. A. L. Reynolds. No. 1,266,050; May 14; v. 250; p. 355.
Pile protector, Wooden-. C. F. Lockwood. No. 1,279,732; Sept. 24; v. 254; p. 730.
Pile-setting apparatus. F. L. Pruyn. No. 1,275,470; Aug. 13; v. 253; p. 341.
Piles, Apparatus for use in the treatment of. H. L. Beard. No. 1,258,979; Mar. 12; v. 248; p. 338.
Piles, Mold for surfacing. L. C. Larsen. No. 1,283,222; Oct. 29; v. 255; p. 974.
Pill-injector. G. F. Andrews. No. 1,262,732; Apr. 16; v. 249; p. 550.
Pillow. G. M. Seidler. No. 1,285,421; Nov. 19; v. 256; p. 578.
Pillow-covering, Sanitary. J. W. Bigham and W. J. Barker. No. 1,275,205; Aug. 13; v. 253; p. 269.
Pillow kit, Army and Navy. R. Harris. No. 1,269,276; June 11; v. 251; p. 358.
Pillow, Pneumatic. I. Kelly. No. 1,262,510; Apr. 9; v. 249; p. 457.
Pillow, Sanitary. W. Jones. No. 1,270,298; June 25; v. 251; p. 693.
Pillow, Sanitary. J. Ranz. No. 1,274,595; Aug. 6; v. 253; p. 73.
Pin: *See*—
- Bowling-pin.
- Center-bearing pin.
- Clasp-pin.
- Clothes-pin.
- Cotter-pin.
- Crank-pin.
- Cross-head pin.
- Crown curved pin.
- Dowel-pin.
- Garment-pin.
- Hair-pin.
- Hair and hat pin.
- Hat-pin.
- Holding-pin.
- Insulator-pin.
- Ornamental pin.
- Printing-block pin.
- Rolling-pin.
- Safety-pin.
- Self-adjusting piston-pin.
- Skirt-pin.
- Stick or scarf pin.
- Wrist-pin.

Pin and needle cushion. S. A. A. Stenberg. No. 1,279,032; Sept. 17; v. 254; p. 515.
Pin-cushion and paper-weight, Combined. C. F. Henderson. No. 1,276,758; Aug. 27; v. 253; p. 767.
Pin-delivering receptacle. H. W. Bach. No. 1,284,210; Nov. 12; v. 256; p. 231.
Pin game-board. G. Knoos, Jr. No. 1,288,924; Dec. 24; v. 257; p. 766.
Pin-guard. R. West. No. 1,267,300; May 21; v. 250; p 730.
Pin-holder. C. A. Bull. No. 1,272,768; July 16; v. 252; p. 626.
Pin-holder. L. Klein. No. 1,281,025; Oct. 8; v. 255; p. 277.
Pin-plug connector. R. A. Schoenberg. No. 1,272,126; July 9; v. 252; p. 420.
Pin-machines, Rolling device for. C. A. Benke. No. 1,278,833; Sept. 17; v. 254; p. 461.
Pin-puller. W. A. Smith. No. 1,264,216; Apr. 30; v. 249; p. 1015.
Pin-securing means. D. C. Davis. No. 1,283,102; Oct. 29; v. 255; p. 943.
Pin-tray. C. A. Bull. No. 1,258,531; Mar. 5; v. 248; p. 170.
Pins and similar articles, Safety-catch for. A. Schroetter. No. 1,281,853; Oct. 15; v. 255; p. 534.
Pins or brooches, Safety-catch for. F. E. Farnham. No. 1,271,297; July 2; v. 252; p. 154.
Pins, Safety-catch for. R. V. Davis. No. 1,276,183; Aug. 20; v. 253; p. 571.
Pincushion and detachable holder, Combined. B. J. Spencer. No. 1,280,890; Oct. 8; v. 255; p. 241.
Pincers, Separable interfitting. J. E. Mehan, Jr. No. 1,281,990; Oct. 15; v. 255; p. 569.
Pineapple-fleshing machine. J. Dunn. No. 1,271,868; July 9; v. 252; p. 344.

Pinion-filling machine. T. B. Stephenson. No. 1,267,818; May 28; v. 250; p. 903.
Pinion-wire and spur-gear cutting machine. F. Burgess. No. 1,267,970; May 28; v. 250; p. 946.
Pinwheel. O. K. Truitt. No. 1,268,644; June 4; v. 251; 164.
Pipe: *See*—
Breather-pipe.
Cast-iron pipe.
Concrete pipe.
Drain-pipe.
Drainage-pipe.
Hawse-pipe.
Locomotive exhaust-pipe.
Sheet-metal pipe.
Smoker's pipe.
Smoking-pipe.
Stand-pipe.
Stovepipe.
Tobacco-pipe.
Pipe. J. C. Dando. No. 1,286,546; Dec. 3; v. 257; p. 89.
Pipe. W. F. Garrison. No. 1,256,469; Feb. 12; v. 247; p. 437.
Pipe. A. D. Gilbert. No. 1,276,751; Aug. 27; v. 253; p. 765.
Pipe. R. A. Hamilton. No. 1,276,059; Aug. 20; v. 253; p. 537.
Pipe and boiler coverings, Apparatus for molding. B. B. Grunwald. No. 1,286,591; Dec. 3; v. 257; p. 100.
Pipe and nut wrench. H. F. Hoffman. No. 1,278,653; Sept. 10; v. 254; p. 382.
Pipe and pipe-joint. A. J. Rudolph. No. 1,284,145; Nov. 5; v. 256; p. 187.
Pipe attachment. T. J. Carroll. No. 1,253,145; Jan. 8; v. 246; p. 529.
Pipe attachment, Smoking-. G. A. Frisbee. No. 1,253,954; Jan. 15; v. 246; p. 791.
Pipe-ball. F. S. Snyder. No. 1,276,585; Aug. 20; v. 253; p. 683.
Pipe-ball, Sectional. J. W. Wood. No. 1,288,352; Dec. 17; v. 257; p. 599.
Pipe-bending apparatus. C. Grunhow. No. 1,285,987; Nov. 26; v. 256; p. 759.
Pipe-bending device. C. P. Parnell. No. 1,267,798; May 28; v. 250; p. 897.
Pipe-bending machine. H. M. Haldeman. No. 1,262,944; Apr. 16; v. 249; p. 609.
Pipe-bending machine. E. F. Holinger. No. 1,268,844; June 11; v. 251; p. 238.
Pipe-bending machine. F. Morris. No. 1,265,102; May 7; v. 250; p. 66.
Pipe-bending machine. R. P. Spencer. No. 1,272,552; July 16; v. 252; p. 563.
Pipe-bending machine, Power. B. Schenk and J. Szoke. No. 1,277,488; Sept. 3; v. 254; p. 43.
Pipe-bending tool. F. E. Youngs. No. 1,251,610; Jan. 1; v. 246; p. 50.
Pipe-bending tool. O. Whitecotton. No. 1,284,516; Nov. 12; v. 256; p. 310.
Pipe-bracket. D. Bale. No. 1,283,451; Nov. 5; v. 256; p. 4.
Pipe-carrier. T. G. Stiles. No. 1,253,440; Jan. 15; v. 246; p. 647.
Pipe-casing, Insulating. O. C. Woolson. No. 1,256,629; Feb. 19; v. 247; p. 520.
Pipe-clamp. I. B. Fairbanks. No. 1,271,876; July 9; v. 252; p. 346.
Pipe-clamp. B. D. Ponton. No. 1,274,774; Aug. 6; v. 253; p. 123.
Pipe-cleaner. J. G. Ware. No. 1,256,402; Feb. 12; v. 247; p. 418.
Pipe cleaner, Smoking-. E. C. Gunnarson. No. 1,251,774; Jan. 1; v. 246; p. 100.
Pipe-cleaning apparatus. W. Frank. No. 1,278,453; Sept. 10; v. 254; p. 327.
Pipe-cleaning device. F. Story. No. 1,274,103; July 30; v. 252; p. 1054.
Pipe-cleaning device, Sink-. W. W. Caverley. No. 1,271,853; July 9; v. 252; p. 339.
Pipe-cleaning machine. C. F. Ball. No. 1,263,836; Apr. 23; v. 249; p. 876.
Pipe-clip. A. G. Elliott. No. 1,277,398; Sept. 3; v. 254; p. 18.
Pipe-collar, Split. F. Biedenmeister. No. 1,260,628; Mar. 26; v. 248; p. 878.
Pipe-connecting device. C. G. Kiser. No. 1,251,539; Jan. 1; v. 246; p. 27.
Pipe connection. C. H. Bissell. No. 1,265,875; May 14; v. 250; p. 305.
Pipe connection. J. W. Flower. No. 1,278,128; Sept. 10; v. 254; p. 242.
Pipe connection. I. A. Mann. No. 1,277,975; Sept. 3; v. 254; p. 176.
Pipe connection. I. A. Mann. No. 1,277,976; Sept. 3; v. 254; p. 176.
Pipe connection. I. A. Mann. No. 1,277,977; Sept. 3; v. 254; p. 177.
Pipe connection. J. Pillig. No. 1,283,554; Nov. 5; v. 256; p. 30.
Pipe connector, Automatic train-. R. E. Adreon. No. 1,276,306; Aug. 20; v. 253; p. 604.
Pipe-coupling. J. F. Anderson. No. 1,275,118; Aug. 6; v. 253; p. 219.
Pipe-coupling. J. L. Broschart. No. 1,281,905; Oct. 15; v. 255; p. 548.
Pipe-coupling. J. B. Clay. No. 1,261,213; Apr. 2; v. 249; p. 62.
Pipe-coupling. J. R. Gammeter. No. 1,275,149; Aug. 6; v. 253; p. 228.
Pipe-coupling. W. A. Hall. No. 1,257,852; Feb. 26; v. 247; p. 914.
Pipe-coupling. L. F. Harris. No. 1,284,099; Nov. 5; v. 256; p. 175.
Pipe-coupling. M. J. Kelly. No. 1,254,238; Jan. 22; v. 246; p. 892.
Pipe-coupling. E. King and F. Welsh. No. 1,270,300; June 25; v. 251; p. 694.
Pipe-coupling. A. L. Matte. No. 1,277,982; Sept. 3; v. 254; p. 178.
Pipe-coupling. R. J. Noakes. No. 1,273,174; July 23; v. 252; p. 765.
Pipe-coupling. J. M. Roberts. No. 1,256,369; Feb. 12; v. 247; p. 408.
Pipe-coupling. R. R. Rust. No. 1,262,263; Apr. 9; v. 249; p. 388.
Pipe-coupling. J. G. Taliman. No. 1,282,491; Oct. 22; v. 255; p. 747.
Pipe-coupling and repair-sleeve. W. A. Dorsey. No. 1,252,888; Jan. 8; v. 246; p. 450.
Pipe coupling, Automatic train-. T. R. Brown. No. 1,263,519; Apr. 23; v. 249; p. 792.
Pipe coupling, Drill-. W. M. Neckerman. No. 1,254,927; Jan. 29; v. 246; p. 1124.
Pipe-coupling, Flexible. G. H. Langton and J. W. Small. No. 1,263,777; Apr. 23; v. 249; p. 860.
Pipe-coupling, Flexible. G. H. Langton and J. W. Small. No. 1,271,179; July 2; v. 252; p. 120.
Pipe coupling, Hose-. W. R. Porter. No. 1,267,335; May 21; v. 250; p. 740.
Pipe coupling or joint. C. W. Vollmann. No. 1,258,166; Mar. 5; v. 248; p. 63.
Pipe coupling, Train-. T. Behan. No. 1,258,980; Mar. 12; v. 248; p. 338.
Pipe coupling, Train-. J. C. Swaykus and A. Tkacz. No. 1,251,837; Jan. 1; v. 246; p. 120.
Pipe couplings, Machine for removing and replacing metal parts of train-. W. D. Faidley, Jr., J. W. Morris, and S. A. Patterson. No. 1,252,676; Jan. 8; v. 246; p. 391.
Pipe couplings, Machine for removing and replacing metal parts of train-. W. D. Faidley, Jr., J. W. Morris, and S. A. Patterson. No. 1,252,677; Jan. 8; v. 246; p. 392.
Pipe-couplings, Making. C. A. Dies. No. 1,265,709; May 7; v. 250; p. 227.
Pipe-covering band. M. E. White. No. 1,257,166; Feb. 19; v. 247; p. 676.
Pipe-cutter. C. T. Hime. No. 1,256,799; Feb. 19; v. 247; p. 569.
Pipe-cutter. J. B. Lambe. No. 1,270,175; June 18; v. 251; p. 635.
Pipe-cutter. I. W. Nonneman. No. 1,262,690; Apr. 16; v. 249; p. 537.
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Pipe-cutter, Internal. A. B. Tertrou. No. 1,283,969; Nov. 5; v. 256; p. 140.
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Pipe-holding key. R. W. Burnett. No. 1,285,023; Nov. 19; v. 256; p. 477.
Pipe, hose, or faucet attachment. J. Burns. No. 1,288,824; Dec. 24; v. 257; p. 742.
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Pipe-joints, Apparatus for forming. D. H. Wyatt. No. 1,284,534; Nov. 12; v. 256; p. 314.
Pipe joints, Nipple for lead-. J. Scheeland. No. 1,280,311; Oct. 1; v. 255; p. 55.
Pipe-line holder. S. S. Gilborne. No. 1,277,906; Sept. 3; v. 254; p. 159.
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Pipe-making machine, Spiral-. C. G. Naylor. No. 1,288,134; Dec. 17; v. 257; p. 548.
Pipe-mold. G. E. Kellar. No. 1,278,479; Sept. 10; v. 254; p. 334.
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Pipe-polishing machine. E. G. Straub. No. 1,256,276; Feb. 12; v. 247; p. 381.
Pipe-puller. W. C. Leake. No. 1,259,640; Mar. 19; v. 248; p. 556.
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Pipe, Return-bend for joining. L. Sexton. No. 1,253,433; Jan. 15; v. 246; p. 645.
Pipe, Smoking-. F. J. Kummeth. No. 1,281,589; Oct. 15; v. 255; p. 463.
Pipe stem, Tobacco-. J. S. Harbach. No. 1,267,766; May 28; v. 250; p. 888.
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Pipe-thawing apparatus, Electric. E. C. Davey. No. 1,289,686; Dec. 31; v. 257; p. 978.
Pipe-thread-cutting machine. T. H. Field. No. 1,259,973; Mar. 19; v. 248; p. 655.
Pipe-threading lubricator, Automatic. M. Mallove, J. Greenberg, and P. Kieves. No. 1,265,692; May 7; v. 250; p. 222.
Pipe-turning mechanism. J. J. Donnelly. No. 1,258,662; Mar. 12; v. 248; p. 247.
Pipe-union. P. M. Brevig. No. 1,281,498; Oct. 15; v. 255; p. 439.
Pipe-union and check-valve, Combined. W. J. Tyler. No. 1,266,179; May 14; v. 250; p. 392.
Pipe-union, Rigid. J. J. Delehanty. No. 1,270,021; June 18; v. 251; p. 594.
Pipe-vise bench. E. A. Velde. No. 1,278,401; Sept. 10; v. 254; p. 315.
Pipe-vise stand, Portable. E. Friess. No. 1,252,423; Jan. 8; v. 246; p. 317.
Pipe-weld, Interlocking. F. G. Liady. No. 1,260,690; Mar. 26; v. 248; p. 896.
Pipe-wrench. C. Courton. No. 1,287,893; Dec. 17; v. 257; p. 488.
Pipe-wrench. C. Frech. No. 1,281,547; Oct. 15; v. 255; p. 452.
Pipe-wrench. B. Jagielski. No. 1,264,077; Apr. 23; v. 249; p. 943.
Pipe-wrench. J. D. Moore. No. 1,268,041; May 28; v. 250; p. 965.
Pipe-wrench. E. P. Smith. No. 1,288,719; Dec. 24; v. 257; p. 717.
Pipe-wrench. B. Watts. No. 1,275,334; Aug. 13; v. 253; p. 304.
Pipe-wrench, Adjustable. J. Shaffer. No. 1,276,274; Aug. 20; v. 253; p. 596.
Pipe, Wrought-iron ribbed. H. F. Branzell. No. 1,284,578; Nov. 12; v. 256; p. 325.
Pipes and boxes, Adapter device for. T. E. Murray. No. 1,270,046; June 18; v. 251; p. 600.
Pipes and rods, Device for bending. G. H. Harrington. No. 1,289,747; Dec. 31; v. 257; p. 993.
Pipes and segregated metal from ingots, Eliminating. T. H. Mathias. No. 1,286,379; Dec. 3; v. 257; p. 48.
Pipes and the like, Cleaner for. T. Harding. No. 1,287,681; Dec. 17; v. 257; p. 434.
Pipes, Ascertaining leaks in underground fluid-pressure. G. V. Payne. No. 1,252,488; Jan. 8; v. 246; p. 337.
Pipes, Ascertaining the location of leaks in underground fluid-pressure. G. V. Payne. No. 1,252,487; Jan. 8; v. 246; p. 337.
Pipes, Attachment for water-supply. R. F. Schott. No. 1,267,123; May 21; v. 250; p. 683.
Pipes, Automatic pressure-regulator for. H. J. Bouvier. No. 1,284,227; Nov. 12; v. 256; p. 235.
Pipes, Coating of. E. T. Greenfield. No. 1,254,796; Jan. 29; v. 246; p. 1085.
Pipes, Device for removing crusts from. W. V. Callender. No. 1,283,070; Oct. 29; v. 255; p. 934.
Pipes, Heat treatment for centrifugally-cast. D. S. de Lavaud. No. 1,280,418; Oct. 1; v. 255; p. 84.
Pipes, Joint for cast-iron. J. R. McWane. No. 1,261,254; Apr. 2; v. 249; p. 73.
Pipes, Machine for handling. J. E. Baines and J. W. Latshaw. No. 1,285,584; Nov. 26; v. 256; p. 657.
Pipes, Manufacture of. C. M. Wales and C. Baskerville. No. 1,280,909; Oct. 8; v. 255; p. 246.
Pipes, Mouthpiece-guard for smoking-. S. Walker. No. 1,277,159; Aug. 27; v. 253; p. 875.
Pipes, Plate-thimble for. J. W. Farley. No. 1,278,895; Sept. 17; v. 254; p. 478.
Pipes, Smoke-strainer for. J. Chanchuck. No. 1,254,478; Jan. 22; v. 246; p. 962.
Pipes, Thawing attachment for drip-. J. E. Ray. No. 1,282,628; Oct. 22; v. 255; p. 784.
Pipes, Thread-protector for. N. H. Raymond. No. 1,255,463; Feb. 5; v. 247; p. 100.
Pipes, tubes, and like hollow bodies, Manufacture of. H. Parker. No. 1,271,211; July 2; v. 252; p. 130.
Pipes, Universal joint for steam, gas, or other. C. G. Cunningham. No. 1,284,612; Nov. 12; v. 256; p. 333.
Pipes, Vent-cap for soil-. J. M. Schrems. No. 1,256,045; Feb. 12; v. 247; p. 310.
Pipette, Sanitary. W. R. Homstead. No. 1,252,347; Jan. 1; v. 246; p. 260.
Piping, Adapter for sheet-metal. A. G. Scherer. No. 1,280,312; Oct. 1; v. 255; p. 55.
Pistol, Cane-. I. Brzostowski and V. Krakowski. No. 1,284,580; Nov. 12; v. 256; p. 325.
Pistol-clamp. P. R. Saunders. No. 1,278,027; Sept. 3; v. 254; p. 189.
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Pistol-sword. J. Sawchyn. No. 1,283,321; Oct. 29; v. 255; p. 998.
Pistol-sword. W. Slawski. No. 1,286,436; Dec. 3; v. 257; p. 62.
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Pistols, Extension-stock for. G. A. Sachs. No. 1,266,633; May 21; v. 250; p. 546.
Piston. G. L. Cowan. No. 1,255,081; Jan. 29; v. 246; p. 1165.
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Piston. A. C. Mason and A. T. Sturt. No. 1,275,064; Aug. 6; v. 253; p. 205.
Piston. H. A. McGregor and N. Ketcham. No. 1,252,281; Jan. 1; v. 246; p. 243.
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Piston. D. W. Porter. No. 1,278,205; Sept. 10; v. 254; p. 262.
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Piston. V. E. Schmiedeknecht. No. 1,256,265; Feb. 12; v. 247; p. 377.
Piston. J. G. Vincent. No. 1,279,184; Sept. 17; v. 254; p. 555.
Piston. F. D. Ward. No. 1,282,504; Oct. 22; v. 255; p. 751.
Piston and cylinder lubricator. W. F. Baker. No. 1,288,800; Dec. 24; v. 257; p. 736.
Piston and making same. E. W. Clark. No. 1,281,765; Oct. 15; v. 255; p. 509.
Piston and plunger construction. E. J. Engman. No. 1,258,549; Mar. 5; v. 248; p. 176.
Piston and ring, Combined. B. O. White. No. 1,286,463; Dec. 3; v. 257; p. 69.
Piston connection. E. Fuchs, Jr. No. 1,284,300; Nov. 12; v. 256; p. 256.
Piston, Engine-. C. D. and P. C. Johnson. No. 1,252,269; Jan. 1; v. 246; p. 239.
Piston-engine. A. Riedler. No. 1,259,292; Mar. 12; v. 248; p. 425.
Piston for engines and like cylinders. G. F. Mort. No. 1,257,098; Feb. 19; v. 247; p. 657.
Piston for hydraulic cylinders. A. B. Haswell. No. 1,264,789; Apr. 30; v. 249; p. 1172.
Piston for internal-combustion engines. J. T. Benthal. No. 1,267,963; May 28; v. 250; p. 944.
Piston for internal-combustion engines. D. J. Campbell. No. 1,264,893; May 7; v. 250; p. 6.
Piston for internal-combustion engines. O. M. Nacker. No. 1,283,865; Nov. 5; v. 256; p. 113.

Piston for internal-combustion engines. A. Riedler. No. 1,270,663; June 25; v. 251; p. 794.
Piston for use in internal-combustion engines. J. Buchanan. No. 1,270,374; June 25; v. 251; p. 714.
Piston, Gas-engine. L. R. Priest. No. 1,254,353; Jan. 22; v. 246; p. 926.
Piston-head. W. R. Collier. No. 1,261,770; Apr. 9; v. 249; p. 253.
Piston-head. E. Renard. No. 1,274,783; Aug. 6; v. 253; p. 126.
Piston, Light-weight. C. C. Anderson. No. 1,283,021; Oct. 29; v. 255; p. 921.
Piston-mold-making device. C. S. Anderson. No. 1,262,906; Apr. 16; v. 249; p. 598.
Piston packing-ring. C. R. Bryant. No. 1,262,631; Apr. 16; v. 249; p. 520.
Piston packing-ring. M. Moratta. No. 1,251,906; Jan. 1; v. 246; p. 138.
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Piston-ring. C. R. Bryant. No. 1,264,771; Apr. 30; v. 249; p. 1167.
Piston-ring. J. J. Cain. No. 1,263,850; Apr. 23; v. 249; p. 880.
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Piston-ring. E. B. Dake. No. 1,252,324; Jan. 1; v. 246; p. 254.
Piston-ring. A. W. Hilker. No. 1,274,038; July 30; v. 252; p. 1036.
Piston-ring. T. C. Hughes. No. 1,280,739; Oct. 8; v. 255; p. 199.
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Piston-ring. H. Schmitt. No. 1,276,832; Aug. 27; v. 253; p. 786.
Piston-ring. W. R. Strickland. No. 1,287,133; Dec. 10; v. 257; p. 269.
Piston-ring. L. Westerhouse. No. 1,280,343; Oct. 1; v. 255; p. 64.
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Piston-ring extractor. H. W. Muhleisen. No. 1,278,719; Sept. 10; v. 254; p. 401.
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Piston-rings, Making. H. S. Frank. No. 1,283,138; Oct. 29; v. 255; p. 952.
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Piston-rings, Making. H. A. Pedrick and G. F. Kolb. No. 1,284,439; Nov. 12; v. 256; p. 292.
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Piston-rod and support therefor. T. A. Coleman. No. 1,283,675; Nov. 5; v. 256; p. 63.
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Piston-supporter. W. Tinder, J. Staempfli, and J. N. Miles. No. 1,281,882; Oct. 15; v. 255; p. 542.
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Plant-support. S. S. Eccleston. No. 1,286,258; Dec. 3; v. 257; p. 18.
Plants, Combined protector and grower for. J. C. Mueller. No. 1,254,260; Jan. 22; v. 246; p. 899.

Plants, Forcing. R. D. Kline. No. 1,260,914; Mar. 26; v. 248; p. 956.
Planter. C. E. Fischer. No. 1,269,591; June 18; v. 251; p. 475.
Planter. E. Fowler. No. 1,282,798; Oct. 29; v. 255; p. 859.
Planter. W. V. Gist. No. 1,276,900; Aug. 27; v. 253; p. 803.
Planter. W. S. Graham. No. 1,255,005; Jan. 29; v. 246; p. 1144.
Planter. E. I. Olinger. No. 1,262,084; Apr. 9; v. 249; p. 337.
Planter. C. M. Phillips. No. 1,282,124; Oct. 22; v. 255; p. 648.
Planter. J. G. Preda. No. 1,267,115; May 21; v. 250; p. 681.
Planter. J. Priesnitz. No. 1,282,126; Oct. 22; v. 255; p. 649.
Planter. M. B. Reed. No. 1,260,808; Mar. 26; v. 248; p. 929.
Planter. J. H. Reed. No. 1,274,447; Aug. 6; v. 253; p. 30.
Planter. J. H. Smith. No. 1,272,550; July 16; v. 252; p. 562.
Planter. A. E. Swanberg. No. 1,280,329; Oct. 1; v. 255; p. 61.
Planter. W. D. Swiggart. No. 1,281,873; Oct. 15; v. 255; p. 540.
Planter. S. B. and F. R. Terrell. No. 1,264,454; Apr. 30; v. 249; p. 1082.
Planter. G. Warfield. No. 1,254,555; Jan. 22; v. 246; p. 984.
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Plow depth-regulator. A. P. Owens. No. 1,253,089; Jan. 8; v. 246; p. 513.
Plow, Disk. J. H. Davis. No. 1,256,984; Feb. 19; v. 247; p. 625.
Plow, Disk garden-. J. E. Miller and T. J. Fox. No. 1,253,860; Jan. 15; v. 246; p. 766.
Plow, Ditch-. E. Quenneville. No. 1,277,118; Aug. 27; v. 253; p. 863.
Plow, Engine gang-. E. M. Heylman. No. 1,262,948; Apr. 16; v. 249; p. 610.
Plow, Engine gang-. E. M. Heylman. No. 1,284,675; Nov. 12; v. 256; p. 349.
Plow-fender. W. B. Moon and F. M. Griscom. No. 1,254,618; Jan. 22; v. 246; p. 1002.
Plow-fender. J. V. Stansell. No. 1,258,492; Mar. 5; v. 248; p. 157.
Plow-gage. J. A. Sprott. No. 1,279,031; Sept. 17; v. 254; p. 515.
Plow, Gang-. J. B. Bartholomew. No. 1,257,446; Feb. 26; v. 247; p. 792.
Plow, Gang-. A. P. Hawn. No. 1,289,462; Dec. 31; v. 257; p. 924.
Plow, Gang-. W. N. Springer. No. 1,266,877; May 21; v. 250; p. 613.
Plow, Garden-. W. R. Daily. No. 1,286,545; Dec. 3; v. 257; p. 89.
Plow, Grubbing-. J. N. Wilson. No. 1,279,956; Sept. 24; v. 254; p. 795.
Plow, Harvesting-. J. E. Methvin. No. 1,266,701; May 21; v. 250; p. 565.
Plow-hitch shifter. S. W. Woodland. No. 1,281,470; Oct. 15; v. 255; p. 432.
Plow-jointer. L. A. Pecore. No. 1,289,254; Dec. 31; v. 257; p. 872.
Plow-lay holder. G. R. Kempthorne. No. 1,279,877; Sept. 24; v. 254; p. 774.
Plow-lift. T. N. Ulevog. No. 1,279,792; Sept. 24; v. 254; p. 749.
Plow-lifting mechanism, Turning-. F. L. Wheatley. No. 1,289,333; Dec. 31; v. 257; p. 892.
Plow, Lister-. W. S. Graham. No. 1,271,031; July 2; v. 252; p. 79.
Plow, Lister-. A. Shearer. No. 1,258,951; Mar. 12; v. 248; p. 329.
Plow, Lister-. A. Shearer. No. 1,286,127; Nov. 26; v. 256; p. 792.
Plow, Motor-. R. Dixon. No. 1,289,700; Dec. 31; v. 257; p. 982.
Plow, Motor-. K. Kucharski. No. 1,270,627; June 25; v. 251; p. 785.
Plow, Motor-. M. L. Letroteur. No. 1,266,502; May 14; v. 250; p. 478.
Plow, Motor-. G. A. Veyre. No. 1,282,991; Oct. 29; v. 255; p. 913.
Plow or tiller, Motor. H. Bauchet. No. 1,282,025; Oct. 22; v. 255; p. 619.
Plow, Palmetto-. G. B. Hall. No. 1,283,746; Nov. 5; v. 256; p. 81.
Plow, Palmetto-root and weed. E. H. Farman. No. 1,271,504; July 2; v. 252; p. 209.
Plow, Peanut-. G. D. Burnett. No. 1,285,611; Nov. 26; v. 256; p. 664.
Plow-point, Detachable. P. Brunelle. No. 1,281,283; Oct. 15; v. 255; p. 379.
Plow-point fastener. J. S. Andress, Jr. No. 1,266,380; May 14; v. 250; p. 444.
Plow, Power-lift. L. E. Waterman. No. 1,288,773; Dec. 24; v. 257; p. 730.
Plow-raising mechanism. H. C. Kittelson. No. 1,278,939; Sept. 17; v. 254; p. 491.
Plow reclaiming apparatus, Scraper-. F. L. Stuart. No. 1,271,627; July 9; v. 252; p. 277.
Plow relatively to the steering-wheel, Device for the vertical adjustment of the frame of a motor-. C. Gleiche. No. 1,284,089; Nov. 5; v. 256; p. 172.
Plow, Reversible. J. Heacock. No. 1,265,652; May 7; v. 250; p. 211.
Plow, Rotary. B. P. Shippy. No. 1,263,352; Apr. 16; v. 249; p. 722.
Plow, Rotary snow-. M. J. Achor. No. 1,279,212; Sept. 17; v. 254; p. 562.
Plow-scraper. T. W. Glassey. No. 1,280,206; Oct. 1; v. 255; p. 26.
Plow-scraper press. R. P. Williams. No. 1,268,655; June 4; v. 251; p. 167.
Plow, Spading and digging. L. R. Davis and S. F. Gates. No. 1,272,231; July 9; v. 252; p. 448.
Plow-stock. C. M. Windham. No. 1,277,016; Aug. 27; v. 253; p. 834.
Plow structure. R. J. Altgelt. No. 1,266,752; May 21; v. 250; p. 580.
Plow structure. R. J. Altgelt. No. 1,266,753; May 21; v. 250; p. 580.
Plow structure. R. J. Altgelt. No. 1,266,754; May 21; v. 250; p. 580.
Plow, Subsoil-. A. A. Gordon. No. 1,287,291; Dec. 10; v. 257; p. 308.
Plow, Traction-. H. W. Kardell. No. 1,270,525; June 25; v. 251; p. 756.
Plow, Traction-. A. M. Knudsen. No. 1,259,638; Mar. 19; v. 248; p. 555.
Plow, Traction gang-. B. F. Mertz. No. 1,256,349; Feb. 12; v. 247; p. 402.
Plow traction-wheel, Motor-driven. W. and M. H. Paterson. No. 1,282,119; Oct. 22; v. 255; p. 646.
Plow, Tractor-. F. M. Bowell. No. 1,272,905; July 16; v. 252; p. 666.
Plow, Tractor-. W. W. Cameron. No. 1,287,874; Dec. 17; v. 257; p. 484.
Plow, Tractor-. J. F. Fulton. No. 1,251,498; Jan. 1; v. 246; p. 14.
Plow, Tractor-. J. C. Garrott. No. 1,280,011; Sept. 24; v. 254; p. 811.
Plow, Tractor-. E. C. Hudson. No. 1,257,236; Feb. 19; v. 247; p. 697.
Plow, Two-way. L. E. Waterman. No. 1,262,722; Apr. 16; v. 249; p. 546.
Plow, Vineyard-. C. Geirmann. No. 1,276,051; Aug. 20; v. 253; p. 535.
Plow, Wheel-. B. B. Wallace. No. 1,269,138; June 11; v. 251; p. 319.
Plow, Wheeled. H. S. Dickinson. No. 1,269,166; June 11; v. 251; p. 327.
Plow, Wheeled. C. G. Strandlund. No. 1,262,995; Apr. 16; v. 249; p. 624.
Plows and the like, Tractor for. C. A. Pettit. No. 1,252,167; Jan. 1; v. 246; p. 212.
Plows and the like, Wheel for motor-. C. Gleiche. No. 1,287,670; Dec. 17; v. 257; p. 432.
Plows, Cotton-boll-weevil suppressor and rubbish-burying attachment for turning-. C. H. Logan. No. 1,264,101; Apr. 23; v. 249; p. 949.
Plows, Device in motor-. R. G. Andersen and A. B. C. Hansen. No. 1,281,749; Oct. 15; v. 255; p. 505.
Plows, Ditching attachment for turning-. S. A. Pittman. No. 1,268,148; June 4; v. 251; p. 22.
Plows, Draft connection and control for gang disk. J. N. Davis and J. W. Morgan. No. 1,257,281; Feb. 19; v. 247; p. 711.
Plows, Draft-connection control for gang disk. J. H. Davis and J. W. Morgan. No. 1,257,282; Feb. 19; v. 247; p. 712.
Plows, Draft-wheel connection for wheel and gang. W. O'Connor. No. 1,274,075; July 30; v. 252; p. 1046.
Plows, Drag attachment for. O. V. Breese. No. 1,251,632; Jan. 1; v. 246; p. 56.
Plows, Hitch for two-way. W. E. L. Harbour. No. 1,266,799; May 21; v. 250; p. 593.
Plows, Hitch for two-way. W. E. L. Harbour. No. 1,281,357; Oct. 15; v. 255; p. 402.
Plows, Lever mechanism for sulky-. J. F. Reimers. No. 1,266,317; May 14; v. 250; p. 429.
Plows, Reversible offset for. J. A. Day. No. 1,262,182; Apr. 9; v. 249; p. 366.

Plows, Scraper attachment for. J. A. Adkins. No. 1,256,090; Feb. 12; v. 247; p. 324.
Plows, Spring-governor hitch for. A. R. Keckritz. No. 1,273,069; July 16; v. 252; p. 710.
Plows, Stalk-cutting attachment for. E. L. Mountjoy. No. 1,261,150; Apr. 2; v. 249; p. 44.
Plows, Steering device for motor-propelled. D. W. Berlin and O. E. Hultberg. No. 1,262,625; Apr. 16; v. 249; p. 518.
Plowing-machine. C. V. Berger. No. 1,289,094; Dec. 31; v. 257; p. 832.
Plowing-machine. C. G. Carlberg. No. 1,282,377; Oct. 22; v. 255; p. 716.
Plowing-tool. C. Gleiche. No. 1,287,960; Dec. 17; v. 257; p. 505.
Plowshare. F. M. Horn. No. 1,253,177; Jan. 8; v. 246; p. 538.
Plowshares, Renewal-point for worn. C. J. Edwardsen. No. 1,280,196; Oct. 1; v. 255; p. 23.
Plug. G. W. Norgate. No. 1,266,979; May 21; v. 250; p. 643.
Plug and cap, Combination. W. R. Conrad. No. 1,264,367; Apr. 30; v. 249; p. 1056.
Plug, Attachment-. A. Bouchery. No. 1,258,646; Mar. 12; v. 248; p. 243.
Plug, Attachment-. G. W. Norgate. No. 1,287,082; Dec. 10; v. 257; p. 255.
Plug, Attachment-. H. T. Paiste. No. 1,253,874; Jan. 15; v. 246; p. 769.
Plug, Attachment-. G. B. Thomas. No. 1,285,840; Nov. 26; v. 256; p. 723.
Plug attachment, Quick. R. H. Martin. No. 1,273,896; July 30; v. 252; p. 996.
Plug cap, Attachment-. L. H. Moulthrop. No. 1,257,730; Feb. 26; v. 247; p. 879.
Plug-cock. K. G. Thiman. No. 1,283,356; Oct. 29; v. 255; p. 1009.
Plug, Composite metal. O. L. Prime. No. 1,266,989; May 21; v. 250; p. 645.
Plug, Composition. I. E. Farr. No. 1,259,502; Mar. 19; v. 248; p. 519.
Plug-connector, Switch-containing. G. H. Hart. No. 1,266,801; May 21; v. 250; p. 593.
Plug, Electric attachment-. H. W. Denhard. No. 1,259,609; Mar. 19; v. 248; p. 548.
Plug, Electrical attachment-. J. G. Peterson. No. 1,288,980; Dec. 24; v. 257; p. 779.
Plug, Expansion-. W. S. Barlow. No. 1,266,653; May 21; v. 250; p. 552.
Plug fitting, Attachment-. G. B. Thomas. No. 1,263,961; Apr. 23; v. 249; p. 912.
Plug, Heaving-. C. J. Reeves. No. 1,271,770; July 9; v. 252; p. 317.
Plug puller, Safety cut-out-. J. J. Fowler. No. 1,251,496; Jan. 1; v. 246; p. 13.
Plug receptacle, Attachment-. G. B. Thomas. No. 1,261,649; Apr. 2; v. 249; p. 186.
Plug, Refillable. R. A. Schoenberg. No. 1,265,391; May 7; v. 250; p. 142.
Plug-screed. G. S. Knapp. No. 1,282,592; Oct. 22; v. 255; p. 774.
Plug, Separable attachment-. R. B. Benjamin. No. 1,286,919; Dec. 10; v. 257; p. 214.
Plug-socket and fuse-box. H. P. Hastings and F. C. Smith. No. 1,278,339; Sept. 10; v. 254; p. 299.
Plug, Test-. L. Manneschmidt. No. 1,284,404; Nov. 12; v. 256; p. 284.
Plugs, Convertible cap for attachment-. H. Hubbell. No. 1,275,693; Aug. 13; v. 253; p. 403.
Plugs, Convertible cap for attachment-. G. P. Knapp. No. 1,275,703; Aug. 13; p. 253; p. 405.
Plugs, Electric connector for securely retaining. V. H. Broc. No. 1,275,524; Aug. 13; v. 253; p. 356.
Plumb and level gage. C. Brizendine. No. 1,271,128; July 2; v. 252; p. 105.
Plumb-bob. J. A. Armour. No. 1,274,662; Aug. 6; v. 253; p. 92.
Plumb-bob. J. A. Klesler. No. 1,286,023; Nov. 26; v. 256; p. 767.
Plumb-line holder. R. A. Arnold. No. 1,263,017; Apr. 16; v. 249; p. 630.
Plumber's furnace. J. Bropson. No. 1,253,778; Jan. 15; v. 246; p. 742.
Plumbing-bowl fixture. I. A. Mann. No. 1,256,918; Feb. 19; v. 247; p. 605.
Plumbing-fitting. T. H. Ferris. No. 1,273,471; July 23; v. 252; p. 843.
Plumbing-fixture. P. J. Madden. No. 1,253,506; Jan. 15; v. 246; p. 664.
Plumbing passage-ways, Tool for removing obstructions from. C. W. Schied. No. 1,261,444; Apr. 2; v. 249; p. 128.
Pneumatic action. R. A. Gally. No. 1,285,975; Nov. 26; v. 256; p. 756.
Pneumatic action. C. G. Gilberg. No. 1,251,501; Jan. 1; v. 246; p. 14.
Pneumatic action. A. Johnson, A. C. Swanson, and A. H. Utterberg. No. 1,274,055; July 30; v. 252; p. 1040.
Pneumatic action. F. G. Lynde. No. 1,271,188; July 2; v. 252; p. 123.
Pneumatic-apparatus-controlling means. G. M. Russell. No. 1,284,147; Nov. 5; v. 256; p. 187.
Pneumatic-despatch delivery-terminal. A. W. Pearsall. No. 1,276,699; Aug. 20; v. 253; p. 713.
Pneumatic-despatch-tube apparatus. E. J. Loring. No. 1,258,422; Mar. 5; v. 248; p. 139.
Pneumatic-diaphragm follower. R. A. Gally. No. 1,263,354; Apr. 16; v. 249; p. 722.
Pneumatic-diaphragm follower. R. A. Gally. No. 1,265,319; May 7; v. 250; p. 122.
Pneumatic die-cushion. C. Willers and N. O. Laurin. No. 1,264,731; Apr. 30; v. 249; p. 1157.
Pneumatic dilator. J. T. Landis. No. 1,282,881; Oct. 29; v. 255; p. 881.
Pneumatic elevator and distributer for cotton-gins. J. L. Hart. No. 1,265,908; May 14; v. 250; p. 315.
Pneumatic engine-starter. J. E. Desmond. No. 1,284,614; Nov. 12; v. 256; p. 333.
Pneumatic motor. F. G. Lynde. No. 1,270,426; June 25; v. 251; p. 729.
Pneumatic power-boat. G. W. Christoph. No. 1,265,997; May 14; v. 250; p. 340.
Pneumatic seat. H. Seibel. No. 1,288,446; Dec. 17; v. 257; p. 622.
Pneumatic seat. H. Seibel. No. 1,288,455; Dec. 17; v. 257; p. 621.
Pneumatic selective device. L. B. Doman. No. 1,258,399; Mar. 5; v. 248; p. 130.
Pneumatic-spring system. R. Bernat. No. 1,273,813; July 30; v. 252; p. 972.
Pneumatic support. H. Seibel. No. 1,288,447; Dec. 17; v. 257; p. 622.
Pneumatic tires, Shoe for. L. E. Bacon. No. 1,281,893; Oct. 15; v. 255; p. 545.
Pneumatic wheel. J. A. Carter. No. 1,285,618; Nov. 26; v. 256; p. 666.
Pneumatics, Control device for. F. Carnahan. No. 1,289,391; Dec. 31; v. 257; p. 906.
Pocket, Amalgamating-. E. B. Bennett. No. 1,290,016; Dec. 31; v. 257; p. 1060.
Pocket-book-engaging means. C. and E. Witrens. No. 1,280,929; Oct. 8; v. 255; p. 251.
Pocket-book guard. W. A. Miller. No. 1,254,426; Jan. 22; v. 246; p. 946.
Pocket-book protector. C. Weis. No. 1,279,623; Sept. 24; v. 254; p. 700.
Pocketed carrier. V. H. Jennings. No. 1,282,695; Oct. 22; v. 255; p. 802.
Pocket, Collapsible stake-. C. O. Keagy and J. R. Carmer. No. 1,287,335; Dec. 10; v. 257; p. 318.
Pocket, Detachable. E. Spranger. No. 1,255,481; Feb. 5; v. 247; p. 106.
Pocket for garments. J. L. Levy. No. 1,260,217; Mar. 19; v. 248; p. 722.
Pocket, Garment-. J. W. Veigh and S. McCurdy. No. 1,271,341; July 2; v. 252; p. 165.
Pocket-holder. E. W. Perry and G. A. Hudson. No. 1,265,107; May 7; v. 250; p. 67.
Pocket implement. M. S. Bassisty. No. 1,275,364; Aug. 13; v. 253; p. 313.
Pocket-knife. C. S. Evens. No. 1,264,625; Apr. 30; v. 249; p. 1129.
Pocket-knife. G. Schrade. No. 1,258,150; Mar. 5; v. 248; p. 58.
Pocket-lock. T. J. Leehey. No. 1,262,961; Apr. 16; v. 249; p. 614.
Pocket-lock, Safety. D. Weissman and L. Reiser. No. 1,266,893; May 21; v. 250; p. 617.
Pocket, Safety-. W. P. Grant. No. 1,256,787; Feb. 19; v. 247; p. 565.
Pocket savings or coin banks, Fastener for. I. J. Kusel. No. 1,288,050; Dec. 17; v. 257; p. 528.
Pocket, Security-. J. Tamas. No. 1,257,048; Feb. 19; v. 247; p. 643.
Pocket, Slag-. W. M. Whalen. No. 1,288,328; Dec. 17; v. 257; p. 593.
Pocket, Watch-. L. C. Ankele. No. 1,255,497; Feb. 5; v. 247; p. 110.
Pockets, Safety attachment for garment-. J. J. Schaab. No. 1,268,499; June 4; v. 251; p. 122.
Pocketed carrier. V. H. Jennings. No. 1,287,330; Dec. 10; v. 257; p. 317.
Poison-container. W. A. Martindale. No. 1,254,616; Jan. 22; v. 246; p. 1001.
Poke, Animal-. J. Fay. No. 1,272,932; July 16; v. 252; p. 673.
Poke, Animal-. M. H. Teeter. No. 1,255,246; Feb. 5; v. 247; p. 38.
Poke, Cattle-. C. F. Carson. No. 1,252,882; Jan. 8; v. 246; p. 449.
Poker and clinker-picker, Fire-. F. Binn. No. 1,254,765; Jan. 29; v. 246; p. 1075.
Poker-chip holder. T. C. Graham. No. 1,277,211; Aug. 27; v. 253; p. 887.
Polarity-indicator. E. R. Richter. No. 1,256,258; Feb. 12; v. 247; p. 375.
Pole. O. M. Knox. No. 1,270,625; June 25; v. 251; p. 784.
Pole-changing apparatus. L. M. Evans. No. 1,273,773; July 23; v. 252; p. 923.
Pole-climber. A. J. Bates. No. 1,260,856; Mar. 26; v. 248; p. 942.
Pole, Connecting-. W. W. Thompson. No. 1,282,653; Oct. 22; v. 255; p. 792.

Pole-coupling. M. D. and A. L. Brice. No. 1,254,199; Jan. 22; v. 246; p. 882.
Pole-coupling. W. R. Faribault. No. 1,282,681; Oct. 22; v. 255; p. 799.
Pole-erector. J. L. Fay and F. Bielhen. No. 1,261,112; Apr. 2; v. 249; p. 35.
Pole, girder, &c., Metallic. E. Fulda. No. 1,259,844; Mar. 19; v. 248; p. 617.
Pole, Guying-. F. G. Shull and E. J. De Right. No. 1,257,135; Feb. 19; v. 247; p. 666.
Pole-support. H. B. Bush. No. 1,261,761; Apr. 9; v. 249; p. 250.
Pole-treating apparatus. V. C. and M. B. Kennedy. No 1,259,025; Mar. 12; v. 248; p. 353.
Poles, balks, and the like, Clamping device for the connection of. T. C. Schenk. No. 1,269,964; June 18; v. 251; p. 577.
Poles or the like, Means for transporting. A. B. Cadman. No. 1,255,384; Feb. 5; v. 247; p. 79.
Policeman, Silent. J. A. Watts. No. 1,267,021; May 21; v. 250; p. 654.
Polish and cleanser. I. W. Cox. No. 1,253,353; Jan. 15; v. 246; p. 620.
Polish, Liquid. C. Bristow and M. McDonald. No. 1,278,843; Sept. 17; v. 254; p. 464.
Polisher. W. W. Leach. No. 1,253,697. Jan. 15; v. 246; p. 720.
Polishing and lacquering machine, Automatic. J. F. Gail. No. 1,271,027; July 2; v. 252; p. 78.
Polishing composition. L. F. Landa. No. 1,278,172; Sept. 10; v. 254; p. 254.
Polishing composition. W. C. Lawrence. No. 1,267,236; May 21; v. 250; p. 715.
Polishing device. W. A. Heller. No. 1,283,175; Oct. 29; v. 255; p. 962.
Polishing-machine. L. K. Cheung. No. 1,257,951; Feb. 26; v. 247; p. 941.
Polishing-machines, Dust-collector for. W. H. and G. W. Leiman. No. 1,267,091; May 21; v. 250; p. 673.
Polishing or grinding machine, Article. F. H. Mooney. No. 1,267,574; May 28; v. 250; p. 834.
Polishing varnished and hard-finish surfaces, Device for. H. E. Smith. No. 1,287,487; Dec. 10; v. 257; p. 355.
Polygonal-hole drill. G. E. Otis. No. 1,289,242; Dec. 31; v. 257; p. 869.
Polyphase-generator with timed spark-gap. L. Rouzet. No. 1,279,009; Sept. 17; v. 254; p. 510.
Polysulfid solutions, Treating. E. C. Holton. No. 1,254,908; Jan. 29; v. 246; p. 1119.
Pompon, Cut-feather. M. Herman. No. 1,267,548; May 28; v. 250; p. 827.
Pool and billiard ball rack. M. M. Shimskey. No. 1,287,775; Dec. 17; v. 257; p. 458.
Pool and billiard table, Combination. H. Lee. No. 1,273,237; July 23; v. 252; p. 781.
Pool-ball rack. G. F. Goss. No. 1,266,012; May 14; v. 250; p. 344.
Pool-ball rack and basket. J. T. Hogue. No. 1,260,540; Mar. 26; v. 248; p. 851.
Pool-table-pocket iron. C. A. Wendt. No. 1,277,673; Sept. 3; v. 254; p. 95.
Pool-tables, Ball-conducting device for. E. M. Thalheimer. No. 1,257,050; Feb. 19; v. 247; p. 644.
Pool-tables, Return-chute for. B. A. Minn. No. 1,272,494; July 16; v. 252; p. 548.
Pop-gun. A. A. Karcher. No. 1,262,956; Apr. 16; v. 249; p. 613.
Popcorn brick and bar cutting machine. E. R. Knott. No. 1,268,854; June 11; v. 251; p. 241.
Porcelain-kiln. W. Mellor. No. 1,275,285; Aug. 13; v. 253; p. 290.
Porch-shade. A. C. Hough. No. 1,252,112; Jan. 1; v. 246; p. 197.
Porch-shade. H. B. Rathbun. No. 1,268,490; June 4; v. 251; p. 120.
Porch, Sleeping-. W. E. Zingsheim and J. L. Stubbs. No. 1,279,819; Sept. 24; v. 254; p. 756.
Port-holes, Wind-scoop and screen for. H. H. Ahern. No. 1,256,281; Feb. 12; v. 247; p. 382.
Port-light screen. A. L. Otto, W. W. Watson, C. Anderson, and E. M. Underwood. No. 1,272,990; July 16; v. 252; p. 689.
Portable balcony. A. S. Smith. No. 1,285,436; Nov. 19; v. 256; p. 582.
Portable camp. H. Thiessen and R. Lage. No. 1,285,467; Nov. 19; v. 256; p. 589.
Portable crusher. C. S. Lincoln. No. 1,257,619; Feb. 26; v. 247; p. 845.
Portable elevator. W. E. Boehck and H. S. Germond, Jr. No. 1,282,736; Oct. 29; v. 255; p. 841.
Portable elevator. H. B. Ross. No. 1,271,947; July 9; v. 252; p. 366.
Portable elevator. C. L. Wolf. No. 1,263,303; Apr. 16; v. 249; p. 709.
Portable heater. A. Rosin. No. 1,266,162; May 14; v. 250; p. 387.
Portable holder. G. Corson. No. 1,287,892; Dec. 17; v. 257; p. 488.
Portable house. F. Knack. No. 1,266,822; May 21; v. 250; p. 599.
Portable house. W. S. Thomas. No. 1,256,393; Feb. 12; v. 247; p. 416.
Portable lock. L. Greber. No. 1,284,655; Nov. 12; v. 256; p. 344.
Portable seat. S. A. Zolp. No. 1,267,953; May 28; v. 250; p. 942.
Portable smoke-house. B. K. Leyland. No. 1,280,054; Sept. 24; v. 254; p. 822.
Portable support. D. F. Morgan. No. 1,259,265; Mar. 12; v. 248; p. 418.
Portfolios and the like, Locking-catch for. R. O. Flocke. No. 1,267,650; May 28; v. 250; p. 856.
Portière-bead machine. B. M. Clay. No. 1,285,044; Nov. 19; v. 256; p. 482.
Portière, shade, and curtain holder. J. J. Stiffey. No. 1,266,079; May 14; v. 250; p. 363.
Portrait, and calendar mount, Combination autograph. O. S. Geeland. No. 1,251,791; Jan. 1; v. 246; p. 105.
Position-indicator. E. S. Mix. No. 1,281,628; Oct. 15; v. 255; p. 473.
Position indicator, Incorrect-. G. T. Boglan. No. 1,275,522; Aug. 13; v. 253; p. 355.
Position indicator or recorder. C. I. Hall. No. 1,267,214; May 21; v. 250; p. 709.
Post: *See*—
Binding-post.
Fence-post.
Fence-tightening post.
Rubbing-post.
Saddle-post.
Sign-post.
Snap binding-post.
Street-post.
Tiltable post.
Post-base. A. P. Hollingsworth. No. 1,278,656; Sept. 10; v. 254; p. 383.
Post-card and check, Combination. G. R. Hill. No. 1,264,795; Apr. 30; v. 249; p. 1174.
Post-card automat. B. Grebe. No. 1,261,381; Apr. 2; v. 249; p. 111.
Post-hole digger. A. L. Cihak. No. 1,266,663; May 21; v. 250; p. 555.
Post-hole digger. A. Darling. No. 1,286,547; Dec. 3; v. 257; p. 89.
Post-hole digger. L. Maggs. No. 1,287,377; Dec. 10; v. 257; p. 330.
Post-hole digger. C. Seiter. No. 1,261,859; Apr. 9; v. 249; p. 277.
Post-hole digger. J. A. Senz. No. 1,286,805; Dec. 3; v 257; p. 147.
Post-hole digger and post-setter. J. A. Morrison. No. 1,287,075; Dec. 10; v. 257; p. 253.
Post-hole-digging machine. B. M. Jones. No. 1,271,904; July 9; v. 252; p. 354.
Post-lifter. R. L. Powell. No. 1,260,041; Mar. 19; v. 248; p. 675.
Post-office boxes, Notice-hanger for. L. T. Hankins. No. 1,259,621; Mar. 19; v. 248; p. 551.
Post-peeling machine. W. O. Peavey. No. 1,284,760; Nov. 12; v. 256; p. 371.
Posts, Wire-fastener for. W. F. Hunter. No. 1,268,466; June 4; v. 251; p. 114.
Postage-meter. I. C. Woodward. No. 1,274,831; Aug. 6; v. 253; p. 139.
Postage-stamp box. T. Krile. No. 1,285,240; Nov. 19; v. 256; p. 531.
Postage-stamper. E. G. L. Langley. No. 1,277,323; Aug. 27; v. 253; p. 915.
Posters, Mount for. C. L. Eidlitz. No. 1,256,993; Feb. 19; v. 247; p. 628.
Posting-box. H. G. Muegge. No. 1,271,201; July 2; v. 252; p. 127.
Pot: *See*—
Annealing-pot.
Coffee-pot.
Dash-pot.
Flower-pot.
Galvanizing-pot.
Glass-drawing pot.
Marking-pot.
Smoke-pot.
Torch or fire-pot.
Watering-pot.
Pot and lid lifter. J. Kenkel. No. 1,277,946; Sept. 3; v. 254; p. 168.
Pot and pan lifter. G. Brammar. No. 1,253,928; Jan. 15; v. 246; p. 784.
Pot construction. W. Westbury. No. 1,277,511; Sept. 3; v. 254; p. 50.
Pot-lid lifter. E. M. Tritle. No. 1,258,503; Mar. 5; v. 248; p. 161.
Pot-making machine. E. A. Hamilton. No. 1,267,215; May 21; v. 250; p. 709.
Pot-scraper. E. N. Gaillard. No. 1,258,208; Mar. 5; v. 248; p. 75.
Pots and pans, Spool-holding attachment for. J. J. Bullen. No. 1,258,742; Mar. 12; v. 248; p. 269.
Potash-bearing silicates, Treating. W. Glaeser. No. 1,254,677; Jan. 29; v. 246; p. 1047.
Potash extraction. E. L. Anderson. No. 1,253,569; Jan. 15; v. 246; p. 679.
Potash in cement-mill dust, Rendering water-soluble the. A. R. Merz. No. 1,288,437; Dec. 17; v. 257; p. 619.
Potash products, Recovering high-grade. J. R. MacMillan. No. 1,254,521; Jan. 22; v. 246; p. 974.
Potassium and phosphorus compounds, Producing. E. W. Haslup and B. A. Peacock. No. 1,270,515; June 25; v. 251; p. 754.
Potassium and sodium compounds, fats, and other valuable ingredients from wool-scouring liquors, Recovery of. F. E. Underwood and B. F. Illston. No. 1,277,784; Sept. 3; v. 254; p. 126.

Potassium-bearing silicates to obtain potassium sulfate, Treating. G. Sterling. No. 1,268,508; June 4; v. 251; p. 124.
Potassium-bearing silicates, Treating. W. Glaeser. No. 1,285,121; Nov. 19; v. 256; p. 501.
Potassium-bearing silicates, Treating. W. Glaeser. No. 1,285,122; Nov. 19; v. 256; p. 501.
Potassium chlorid from brines, Obtaining. J. W. Hornsey. No. 1,288,592; Dec. 24; v. 257; p. 686.
Potassium chlorid from saline waters, Recovering. G. B. Burnham. No. 1,286,932; Dec. 10; v. 257; p. 217.
Potassium chlorid, Purifying. A. B. Cox. No. 1,252,784; Jan. 8; v. 246; p. 422.
Potassium from flue-dust, Extracting combined. E. W. Haslup. No. 1,285,152; Nov. 19; v. 256; p. 509.
Potassium from potassium-bearing silicates, Recovering. A. Grauel. No. 1,289,736; Dec. 31; v. 257; p. 991.
Potassium salt from feldspar, &c., Extracting soluble. H. Blumenberg, Jr. No. 1,286,513; Dec. 3; v. 257; p. 82.
Potassium salts, Extracting. F. Tschirner. No. 1,254,450; Jan. 22; v. 246; p. 953.
Potassium salts, Extracting. F. Tschirner. No. 1,254,451; Jan. 22; v. 246; p. 953.
Potassium salts from mother-liquor salts, Separating. G. Sterling. No. 1,264,572; Apr. 30; v. 249; p. 1115.
Potassium salts, Recovering. F. K. Cameron. No. 1,259,486; Mar. 19; v. 248; p. 514.
Potassium sulfate and alumina from alunite, Recovering. H. F. Chappell. No. 1,268,433; June 4; v. 251; p. 104.
Potassium sulfate, Obtaining. B. A. Peacock. No. 1,279,145; Sept. 17; v. 254; p. 544.
Potato-cutter. J. T. Tennefass. No. 1,263,483; Apr. 23; v. 249; p. 782.
Potato-cutting machine. B. O. Cuddigan. No. 1,273,039; July 16; v. 252; p. 702.
Potato-cutting machine. O. Holt. No. 1,274,042; July 30; v. 252; p. 1037.
Potato-cutting machine. C. Komrosky. No. 1,278,356; Sept. 10; v. 254; p. 304.
Potato-digger. F. F. Alexander and L. W. Bruun. No. 1,266,376; May 14; v. 250; p. 443.
Potato-digger. P. Black. No. 1,279,502; Sept. 24; v. 254; p. 665.
Potato-digger. A. E. Green. No. 1,276,903; Aug. 27; v. 253; p. 804.
Potato-digger. A. Lauritzen. No. 1,261,139; Apr. 2; v. 249; p. 42.
Potato-digger. J. A. Randall. No. 1,251,575; Jan. 1; v. 246; p. 39.
Potato-digger. E. W. Splittstoser. No. 1,256,182; Feb. 12; v. 247; p. 353.
Potato-digger. C. Tacy. No. 1,276,441; Aug. 20; v. 253; p. 643.
Potato-digger. H. F. Upton, M. E. Fisher, and G. L. Wolf. No. 1,279,793; Sept. 24; v. 254; p. 749.
Potato-diggers. Vine-removing mechanism for. C. J. Cummings. No. 1,285,633; Nov. 26; v. 256; p. 670.
Potato-digger separator. W. H. Rice. No. 1,263,114; Apr. 16; v. 249; p. 659.
Potato-digging machine. A. E. Burruss. No. 1,281,509; Oct. 15; v. 255; p. 442.
Potato-digging machine. J. L. H. Faarborg. No. 1,255,302; Feb. 5; v. 247; p. 53.
Potato-loader. B. O. Cuddigan. No. 1,273,040; July 16; v. 252; p. 703.
Potato loader and sorter. G. Tollefson. No. 1,289,577; Dec. 31; v. 257; p. 952.
Potato-peeler. A. A. Simon. No. 1,289,563; Dec. 31; v. 257; p. 949.
Potato-peeling machine. C. B. Gasser. No. 1,255,735; Feb. 5; v. 247; p. 180.
Potato-seed-cutting machine. G. E. Garbow. No. 1,267,397; May 28; v. 250; p. 785.
Potato-separator. A. Prinz. No. 1,267,692; May 28; v. 250; p. 867.
Potato separator and grader. H. H. Wabers. No. 1,269,342; June 11; v. 251; p. 376.
Potato-sorter. W. T. Routsong. No. 1,274,085; July 30; v. 252; p. 1049.
Potato-sorter. E. F. Steele. No. 1,275,099; Aug. 6; v. 253; p. 214.
Potentiometer. Direct-reading. W. T. Bovie. No. 1,265,421; May 7; v. 250; p. 151.
Potter's lawn. H. Mueller. No. 1,286,720; Dec. 3; v. 257; p. 129.
Potter's scrapping device. F. A. Sebring and F. Strobl. No. 1,260,074; Mar. 19; v. 248; p. 684.
Potteries, Stove-room for. F. M. Kinnard. No. 1,265,091; May 7; v. 250; p. 62.
Pottery-drying rack. H. J. McMaster. No. 1,258,425; Mar. 5; v. 248; p. 140.
Poultry appliance. G. A. Smart. No. 1,255,477; Feb. 5; v. 247; p. 105.
Poultry-guard. L. Greenman. No. 1,272,657; July 16; v. 252; p. 595.
Poultry-insecticide applicator. A. La Breche. No. 1,259,416; Mar. 12; v. 248; p. 462.
Poultry-water warmer. H. J. Spiegelberg. No. 1,283,585; Nov. 5; v. 256; p. 38.
Pouring attachment to tins, cans, and the like. E. Moss. No. 1,264,960; May 7; v. 250; p. 24.
Pouring device for fluid-containers, principally oil-tins. A. H. Parker. No. 1,261,431; Apr. 2; v. 249; p. 125.
Pouring-device suspension means. F. G. Stewart. No. 1,289,299; Dec. 31; v. 257; p. 883.
Powder and recovering solvents therefrom, Drying smokeless. L. Gathmann. No. 1,289,150; Dec. 31; v. 257; p. 846.
Powder, Blasting-. W. Treese. No. 1,265,975; May 14; v. 250; p. 334.
Powder-box, Single-use. O. J. Bickmore. No. 1,262,165; Apr. 9; v. 249; p. 362.
Powder box, Toilet-. T. W. S. Phillips. No. 1,264,555; Apr. 30; v. 249; p. 1110.
Powder charge, Smokeless-. C. Gerdom. No. 1,274,258; July 30; v. 252; p. 1098.
Powder-container. J. Macdonald. No. 1,269,474; June 11; v. 251; p. 411.
Powder containing and dispensing device. J. F. Azevedo. No. 1,261,001; Apr. 2; v. 249; p. 3.
Powder-cutting machine. J. P. English and H. Gora. No. 1,279,678; Sept. 24; v. 254; p. 716.
Powder dispenser, Toilet-. L. Lichenstein. No. 1,285,257; Nov. 19; v. 256; p. 535.
Powder-drying apparatus. F. L. Caskey. No. 1,262,448; Apr. 9; v. 249; p. 439.
Powder-dusting machine. E. Johnson. No. 1,282,697; Oct. 22; v. 255; p. 803.
Powder, Making metal. W. C. Moore. No. 1,254,056; Jan. 22; v. 246; p. 840.
Powder-package. E. Frank. No. 1,276,204; Aug. 20; v. 253; p. 578.
Powder-package. E. Frank. No. 1,282,209; Oct. 22; v. 255; p. 670.
Powder-puff. B. H. Karmen. No. 1,270,739; June 25; v. 251; p. 812.
Powder-receptacle. P. K. Williams and G. S. Hurst. No. 1,277,281; Aug. 27; v. 253; p. 904.
Powder-tank closure. D. F. Asbury. No. 1,281,892; Oct. 15; v. 255; p. 545.
Powders, Receptacle for toilet. F. L. Brano. No. 1,278,841; Sept. 17; v. 254; p. 463.
Powdered-material distributer. F. C. Helbing. No. 1,282,081; Oct. 22; v. 255; p. 634.
Power-actuated implement. O. O. App. No. 1,253,561; Jan. 15; v. 246; p. 680.
Power-actuated implement. O. O. App. No. 1,263,835; Apr. 23; v. 249; p. 876.
Power-developing apparatus. L. Slingland. No. 1,261,634; Apr. 2; v. 249; p. 182.
Power device. P. Black. No. 1,276,164; Aug. 20; v. 253; p. 566.
Power device. H. Bricker and E. Fisher. No. 1,270,110; June 18; v. 251; p. 616.
Power-driven mechanism. J. J. Marty. No. 1,261,419; Apr. 2; v. 249; p. 121.
Power-driven wrench. G. H. Lewis. No. 1,253,398; Jan. 15; v. 246; p. 634.
Power fishing apparatus. W. W. McGregory. No. 1,287,061; Dec. 10; v. 257; p. 250.
Power-frame. W. W. Parmenter. No. 1,269,736; June 18; v. 251; p. 516.
Power generating and storing means. W. D. Smithey. No. 1,254,737; Jan. 29; v. 246; p. 1066.
Power-generating apparatus. E. C. Collins. No. 1,272,378; July 16; v. 252; p. 516.
Power-generating apparatus. W. P. Shade. No. 1,270,221; June 18; v. 251; p. 646.
Power-generating systems, Controlling mechanism for. W. B. Potter. No. 1,280,833; Oct. 8; v. 255; p. 226.
Power generation. P. L. Battey. No. 1,253,203; Jan. 15; v. 246; p. 574.
Power-generator. W. E. Lincoln. No. 1,288,940; Dec. 24; v. 257; p. 770.
Power indicating and limiting system. J. B. Taylor. No. 1,260,094; Mar. 19; v. 248; p. 689.
Power-jack. W. H. Leprevost. No. 1,275,450; Aug. 13; v. 253; p. 336.
Power-jack for motor-vehicles. J. W. Fitz Gerald. No. 1,281,544; Oct. 15; v. 255; p. 452.
Power-operated mechanism, Controller for. S. T. Walkup. No. 1,270,994; July 2. v. 252; p. 69.
Power-operating device. F. H. Ragan. No. 1,276,811; Aug. 27; v. 253; p. 781.
Power plant. F. C. Holman. No. 1,266,018; May 14; v. 250; p. 345.
Power plant. C. J. Lake. No. 1,279,128; Sept. 17; v. 254; p. 539.
Power plant. O. K. Luscomb. No. 1,275,577; Aug. 13; v. 253; p. 370.
Power plant. C. B. Nagelmann. No. 1,269,492; June 11; v. 251; p. 416.
Power plant. W. H. Wetzler. No. 1,258,068; Mar. 5; v. 248; p. 34.
Power plant, Automobile-operated. F. E. Dillman. No. 1,263,215; Apr. 16; v. 249; p. 687.
Power plant, Compressed-air-. S. S. Vernon. No. 1,251,849; Jan. 1; v. 246; p. 123.
Power plant, Hydraulic. W. W. Tefft. No. 1,281,706; Oct. 15; v. 255; p. 493.
Power plant, Portable. J. A. Berlin. No. 1,282,526; Oct. 22; v. 255; p. 756.

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Power-press. R. A. Horne. No. 1,266,684; May 21; v. 250; p. 560.
Power-presses, Safety attachment and locking device for. B. E. Beyer. No. 1,258,525; Mar. 5; v. 248; p. 168.
Power-producing apparatus. D. H. Smalley. No. 1,258,713; Mar. 12; v. 248; p. 261.
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Power-shovel. C. B. Weston. No. 1,254,295; Jan. 22; v. 246; p. 909.
Power-shovel or the like. D. J. Carey. No. 1,283,073; Oct. 29; v. 255; p. 935.
Power-shovel, Portable. H. C. Beckwith. No. 1,255,282; Feb. 5; v. 247; p. 48.
Power-springs, Winding-mount for. H. Kocourek. No. 1,255,431; Feb. 5; v. 247; p. 92.
Power system. A. R. Smith. No. 1,270,561; June 25; v. 251; p. 676.
Power system. R. Varley and W. W. Macfarren. No. 1,261,074; Apr. 2; v. 249; p. 23.
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Power system, Long-distance high-potential electric-. C. H. Thordarson. No. 1,288,751; Dec. 24; v. 257; p. 725.
Power transmission. E. C. Bohlmann. No. 1,254,468; Jan. 22; v. 246; p. 958.
Power transmission. A. Churchward. No. 1,287,883; Dec. 17; v. 257; p. 486.
Power transmission. A. P. Crell. No. 1,288,525; Dec. 24; v. 257; p. 670.
Power transmission. A. C. Everett. No. 1,268,334; June 4; v. 251; p. 75.
Power transmission. C. C. Hall. No. 1,279,105; Sept. 17; v. 254; p. 533.
Power transmission. G. R. Sturgis. No. 1,276,438; Aug. 20; v. 253; p. 642.
Power transmission. J. G. P. Thomas. No. 1,261,069; Apr. 2; v. 249; p. 22.
Power transmission and regenerative braking, Electrical system of. P. W. Forsberg. No. 1,270,804; July 2; v. 252; p. 14.
Power-transmission and speed-changing mechanism. S. V. Dickman. No. 1,284,069; Nov. 5; v. 256; p. 166.
Power-transmission attachment. E. F. Elmberg. No. 1,271,683; July 9; v. 252; p. 294.
Power transmission, Automatic gearless. W. D. M. Howard. No. 1,269,935; June 18; v. 251; p. 571.
Power transmission, Belt-tightener for. M. F. Boone. No. 1,252,227; Jan. 1; v. 246; p. 227.
Power-transmission-case attachment. S. J. Rosnick and W. Caigan. No. 1,281,842; Oct. 15; v. 255; p. 531.
Power-transmission control. E. E. Huffman. No. 1,287,322; Dec. 10; v. 257; p. 315.
Power transmission, Controlling electrical-. H. B. Ewbank, Jr. No. 1,265,184; May 7; v. 250; p. 87.
Power-transmission device. G. E. Cassel. No. 1,261,211; Apr. 2; v. 249; p. 61.
Power-transmission device. F. A. Emery and A. A. Adams. No. 1,281,319; Oct. 15; v. 255; p. 390.
Power-transmission device. T. L. Fawick. No. 1,267,527; May 28; v. 250; p. 820.
Power-transmission device. C. Kinney. No. 1,257,490; Feb. 26; v. 247; p. 806.
Power-transmission device. J. R. Kinney. No. 1,272,813; July 16; v. 252; p. 639.
Power-transmission device. H. H. Kurkjian. No. 1,289,818; Dec. 31; v. 257; p. 1011.
Power-transmission device. B. Schmidt. No. 1,273,674; July 23; v. 252; p. 898.
Power-transmission device. A. Sundh. No. 1,256,949; Feb. 19; v. 247; p. 615.
Power-transmission device, Differential. H. M. Patch. No. 1,283,283; Oct. 29; v. 255; p. 989.
Power-transmission device, Variable-speed. F. E. Pendleton. No. 1,278,994; Sept. 17; v. 254; p. 505.
Power transmission, Electrical system of. E. F. W. Alexanderson. No. 1,268,662; June 4; v. 251; p. 168.
Power-transmission gear. G. E. Cassel. No. 1,277,193; Aug. 27; v. 253; p. 883.
Power-transmission mechanism. F. H. Farmer. No. 1,258,883; Mar. 12; v. 248; p. 311.
Power-transmission mechanism. W. C. Farnum. No. 1,262,474; Apr. 9; v. 249; p. 446.
Power-transmission mechanism. K. F. Harlow and C. E. Mathews. No. 1,268,838; June 11; v. 251; p. 236.
Power-transmission mechanism. H. R. Holmes. No. 1,289,763; Dec. 31; v. 257; p. 997.
Power-transmission mechanism. J. H. Lillkull. No. 1,288,066; Dec. 17; v. 257; p. 531.
Power-transmission mechanism. F. E. Luebkert. No. 1,258,796; Mar. 12; v. 248; p. 285.
Power-transmission mechanism. E. H. McCloud. No. 1,270,964; July 2; v. 252; p. 60.
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Power-transmission mechanism. E. W. Potts. No. 1,285,370; Nov. 19; v. 256; p. 564.
Power-transmission mechanism. H. A. Rhodes. No. 1,263,701; Apr. 23; v. 249; p. 840.
Power-transmission mechanism. H. L. Sharpe. No. 1,254,856; Jan. 29; v. 246; p. 1104.
Power-transmission mechanism. U. S. Smith. No. 1,285,822; Nov. 26; v. 256; p. 719.
Power-transmission mechanism. W. S. Thompson. No. 1,274,627; Aug. 6; v. 253; p. 83.
Power-transmission mechanism. C. R. Underhill. No. 1,287,801; Dec. 17; v. 257; p. 466.
Power-transmission mechanism. W. L. Ward. No. 1,252,209; Jan. 1; v. 246; p. 222.
Power transmission, Portable. A. Lee. No. 1,253,396; Jan. 15; v. 246; p. 634.
Power-transmission system. V. G. Apple. No. 1,264,748; Apr. 30; v. 249; p. 1161.
Power-transmission system and mechanism. W. Morrison. No. 1,286,717; Dec. 3; v. 257; p. 128.
Power transmission, System of. S. B. Arnold. No. 1,286,899; Dec. 10; v. 257; p. 209.
Power-transmitter. C. Mitchell. No. 1,265,805; May 14; v. 250; p. 285.
Power-transmitting and lifting device. G. W. Kirkpatrick. No. 1,279,552; Sept. 24; v. 254; p. 678.
Power-transmitting apparatus. J. D. Johnson. No. 1,262,350; Apr. 9; v. 249; p. 412.
Power-transmitting apparatus. T. S. Patterson. No. 1,276,701; Aug. 20; v. 253; p. 713.
Power-transmitting apparatus. L. D. Pfau. No. 1,264,125; Apr. 23; v. 249; p. 954.
Power-transmitting apparatus. C. R. Radcliffe. No. 1,270,323; June 25; v. 251; p. 701.
Power-transmitting apparatus. C. R. Radcliffe. No. 1,271,079; July 2; v. 252; p. 92.
Power-transmitting apparatus, Electromagnetic. A. H. Neuland. No. 1,266,303; May 14; v. 250; p. 424.
Power-transmitting device. J. R. Cook. No. 1,260,650; Mar. 26; v. 248; p. 884.
Power-transmitting device. J. L. Coutts. No. 1,282,678; Oct. 22; v. 255; p. 798.
Power-transmitting device. G. F. Lindquist. No. 1,276,379; Aug. 20; v. 253; p. 626.
Power-transmitting device. W. T. McCullough. No. 1,283,243; Oct. 29; v. 255; p. 979.
Power-transmitting device. E. F. Montgomery and R. B. Burnham. No. 1,254,617; Jan. 22; v. 246; p. 1002.
Power-transmitting device. J. Q. Paris. No. 1,260,795; Mar. 26; v. 248; p. 925.
Power-transmitting device. W. A. Pitt. No. 1,288,173; Dec. 17; v. 257; p. 558.
Power-transmitting device. J. R. Rogers. No. 1,256,596; Feb. 19; v. 247; p. 510.
Power-transmitting device. J. S. Wallace. No. 1,252,062; Jan. 1; v. 246; p. 183.
Power-transmitting means. J. Archer. No. 1,277,283; Aug. 27; v. 253; p. 905.
Power-transmitting means. W. L. Hooker. No. 1,270,825; July 2; v. 252; p. 20.
Power-transmitting means for motor-driven vehicles. T. H. Millington. No. 1,273,519; July 23; v. 252; p. 856.
Power-transmitting means for motor-vehicles. T. H. Millington. No. 1,274,068; July 30; v. 252; p. 1044.
Power-transmitting mechanism. J. C. Caldwell. No. 1,261,693; Apr. 2; v. 249; p. 199.
Power-transmitting mechanism. M. Kelley and E. R. Stevenson. No. 1,254,809; Jan. 29; v. 246; p. 1088.
Power-transmitting mechanism. L. Kulma. No. 1,279,556; Sept. 24; v. 254; p. 680.
Power-transmitting mechanism. C. E. Lloyd. No. 1,257,877; Feb. 26; v. 247; p. 927.
Power-transmitting mechanism. C. N. Mundell. No. 1,271,203; July 2; v. 252; p. 128.
Power-transmitting mechanism. H. R. Stuart. No. 1,288,270; Dec. 17; v. 257; p. 581.
Precious metals from ores containing alkaline-earth carbonates, &c., Extracting. J. G. Kirchen and D. B. Bradner. No. 1,257,612; Feb. 26; v. 247; p. 843.
Precious stones, Machine for rough-cutting. E. Challet. No. 1,261,765; Apr. 9; v. 249; p. 251.
Precious stones on the stone-carriers employed in lapidary operations, Machine for fixing. E. Challet. No. 1,261,766; Apr. 9; v. 249; p. 251.
Precious stones, Setting for. A. Suderov. No. 1,252,966; Jan. 8; v. 246; p. 474.
Precious stones, Setting for. A. Sunderov. No. 1,276,132; Aug. 20; v. 253; p. 557.
Precipitated chalk, Making light. N. Statham. No. 1,266,339; May 14; v. 250; p. 434.
Precipitates, Purification of. D. Burns. No. 1,272,375; July 16; v. 252; p. 516.
Precipitating materials from solutions, Process of and apparatus for. T. B. Crowe. No. 1,281,249; Oct. 8; v. 255; p. 340.
Precipitation apparatus. D. C. Walker. No. 1,281,443; Oct. 15; v. 255; p. 425.
Precision instrument. G. Doonaevski. No. 1,282,392; Oct. 22; v. 255; p. 720.

Preheater. E. L. Giersdorf and W. E. Farmer. No. 1,273,767; July 23; v. 252; p. 921.
Prepayment apparatus. P. C. Morganthaler. No. 1,254,619; Jan. 22; v. 246; p. 1002.
Preserving apparatus. S. A. Quillen. No. 1,262,094; Apr. 9; v. 249; p. 340.
Preserving citrus fruits. J. D. Wilson. No. 1,272,750; July 16; v. 252; p. 621.
Preserving fish, fowl, and flesh. L. W. Manuel. No. 1,289,850; Dec. 31; v. 257; p. 1019.
Preserving food, Means for. L. L. Kahn. No. 1,256,495; Feb. 12; v. 247; p. 444.
Preserving food products, Process of and apparatus for. M. Brandenstein. No. 1,277,183; Aug. 27; v. 253; p. 881.
Preserving fruits and other organic substances. H. C. M. Franks. (Reissue.) No. 14,489; June 25; v. 251; p. 820.
Preserving fruits, vegetables, grain, and other organic substances, Process and apparatus for. S. A. Kapadia. No. 1,259,410; Mar. 12; v. 248; p. 460.
Preserving objects containing fluid under pressure, Apparatus for. F. W. Stockton. No. 1,276,987; Aug. 27; v. 253; p. 827.
Preserving perishable products. T. J. Clinton. No. 1,251,476; Jan. 1; v. 246; p. 7.
Preserving vessels, Lining for. H. E. Yocum. No. 1,265,858; May 14; v. 250; p. 301.
Preservation method. W. R. Clayton. No. 1,252,090; Jan. 1; v. 246; p. 191.
Press: *See*—
Bale-forming press.
Baling-press.
Barrel-head press.
Box-press.
Brick-press.
Bung-press.
Cheese or meat press.
Continuous press.
Culinary press.
Die-press.
Drawing-press.
Embossing-press.
Flanging-press.
Flower-press.
Forging-press.
Fruit-press.
Fruit-packing press.
Gang die-press.
Hay-press.
Heel-press.
Hydraulic press.
Hydraulic shearing-press.
Lever-press.
Loop-forming press.
Macaroni-press.
Metal-working press.
Molding-press.
Necktie-press.
Offset perfecting-press.
Oil-press.
Plow-scraper press.
Power-press.
Printing-press.
Punch-press.
Punching-press.
Rotary punch-press.
Screw-press.
Shoe-press.
Snathe-press.
Sole-press.
Stroke-press.
Tile-press.
Tobacco-press.
Toggle drawing-press.
Turret-press.
Vulcanizing-press
Wax-press.
Press. A. Alexander. No. 1,252,532; Jan. 8; v. 246; p. 349.
Press. C. C. Chapman. No. 1,260,967; Mar. 26; v. 248; p. 971.
Press. E. G. Johanson. No. 1,269,186; June 11; v. 251; p. 332.
Press. L. C. McLouth. No. 1,258,424; Mar. 5; v. 248; p. 139.
Press. L. C. Meyers. No. 1,280,106; Sept. 24; v. 254; p. 836.
Press. D Okamoto. No. 1,289,528; Dec. 31; v. 257; p. 940.
Press. J. H. Ordway. No. 1,281,819; Oct. 15; v. 255; p. 525.
Press. O. Smith. No. 1,273,686; July 23; v. 252; p. 901.
Press. P. Upham. No. 1,270,569; June 25; v. 251; p. 769.
Press. J. Young. No. 1,267,492; May 28; v. 250; p. 811.
Press-box. W. J. Fitzgerald. No. 1,259,843; Mar. 19; v. 248; p. 616.
Press-box. W. J. Fitzgerald. No. 1,282,795; Oct. 29; v. 255; p. 858.
Press-button. M. F. Alexander. No. 1,267,494; May 28; v. 250; p. 812.
Press-controllers, Mechanical locking device for. G. W. Harrold. No. 1,262,487; Apr. 9; v. 249; p. 450.
Press-copies, Producing. C. W. Jean. No. 1,281,781; Oct. 15; v. 255; p. 514.
Press for expressing liquids and forming articles from pulp and other material. W. J. Norris. No. 1,273,527; July 23; v. 252; p. 858.
Press for hank-yarn, Baling-. R. B. Smith. No. 1,281,254; Oct. 8; v. 255; p. 341.
Press-form. H. E. Barr. No. 1,288,472; Dec. 24; v. 257; p. 656.
Press-guard. G. H. Sears. No. 1,274,612; Aug. 6; v. 253; p. 78.
Press-plate. A. W. French. No. 1,256,676; Feb. 19; v. 247; p. 533.
Press-plate. A. W. French. No. 1,256,678; Feb. 19; v. 247; p. 534.
Press-plate. A. W. French. No. 1,256,679; Feb. 19; v. 247; p. 534.
Press-plate. A. W. French. No. 1,256,680; Feb. 19; v. 247; p. 535.
Press-plates, Machine for making offset. A. T. Koppe. No. 1,277,429; Sept. 3; v. 254; p. 28.
Press-stud. J. O. Nygaard. No. 1,263,276; Apr. 16; v. 249; p. 701.
Press-stud fastening. J. O. Nygaard. No. 1,264,846; Apr. 30; v. 249; p. 1188.
Presses, Automatic blower attachment for punch-. E. Calderio. No. 1,279,981; Sept. 24; v. 254; p. 802.
Presses, Blank-holder toggle-movement for drawing-. I. Patrick. No. 1,280,286; Oct. 1; v. 255; p. 48.
Presses, Counter for intaglio-. J. E. Woodbury. No. 1,255,263; Feb. 5; v. 247; p. 42.
Presses, Extensible form or distributing roller for. J. F. O'Keefe. No. 1,256,361; Feb. 12; v. 247; p. 405.
Presses, Gripping means for job-. L. G. Crum. No. 1,251,868; Jan. 1; v. 246; p. 128.
Presses or the like, Ejecting mechanism for. M. W. O'Brien. No. 1,276,399; Aug. 20; v. 253; p. 632.
Presses, Safety device for. R. B. Benjamin. No. 1,257,449; Feb. 26; v. 247; p. 793.
Presses. Safety device for. H. M. Greist. No. 1,259,977; Mar. 19; v. 248; p. 657.
Presses, Sheet-guide for cylinder-. H. Rothwill. No. 1,273,276; July 23; v. 252; p. 791.
Presses, Shell-inverting mechanism for drawing-. H. B. Sherman. No. 1,280,881; Oct. 8; v. 255; p. 239.
Presser-foot lock. E. W. Breining. No. 1,253,134; Jan. 8; v. 246; p. 526.
Presser-foot mechanism. M. Zawistowski and N. Komow. No. 1,287,563; Dec. 10; v. 257; p. 373.
Pressing board, Clothes-. C. Di Croce. No. 1,277,395; Sept. 3; v. 254; p. 17.
Pressing device. W. F. Lautenschlager. No. 1,259,880; Mar. 19; v. 248; p. 626.
Pressing-iron. T. Tobiczyk. No. 1,288,760; Dec. 24; v. 257; p. 727.
Pressing-machine. A. C. Austin. No. 1,252,988; Jan. 8; v. 246; p. 482.
Pressing machine, Garment-. J. W. Daly. No. 1,257,194; Feb. 19; v. 247; p. 685.
Pressing-machine pad-support. O. E. W. Brunk. No. 1,276,717; Aug. 27; v. 253; p. 757.
Pressure-burner. W. F. Seilkop. No. 1,264,983; May 7; v. 250; p. 30.
Pressure connection and gage. C. I. Jacobson and A. L. Fowler. No. 1,268,467; June 4; v. 251; p. 114.
Pressure-controller. N. I. Garrison and H. W. Steele. No. 1,280,010; Sept. 24; v. 254; p. 810.
Pressure device, Differential-. C. F. Wallace and M. F. Tiernan. No. 1,282,151; Oct. 22; v. 255; p. 655.
Pressure filtering process and apparatus, Continuous-. J. A. McCaskell. No. 1,288,433; Dec. 17; v. 257; p. 618.
Pressure-gage. A. B. Collette. No. 1,264,274; Apr. 30; v. 249; p. 1031.
Pressure-gage. P. M. Gelatt. No. 1,254,672; Jan. 29; v. 246; p. 1045.
Pressure-gage. P. E. Gilling. No. 1,276,899; Aug. 27; v. 253; p. 803.
Pressure-gage. E. G. Loomis and A. V. Da Costa. No. 1,276,089; Aug. 20; v. 253; p. 545.
Pressure-gage. F. J. Manning. No. 1,274,921; Aug. 6; v. 253; p. 165.
Pressure-gage. J. L. Nilson and J. Prince. No. 1,274,579; Aug. 6; v. 253; p. 68.
Pressure-gage. W. W. Talbot. No. 1,271,802; July 9; v. 252; p. 325.
Pressure-gage. F. Vincent. No. 1,263,165; Apr. 16; v. 249; p. 673.
Pressure-gage. G. Zahrajian. No. 1,271,410; July 2; v. 252; p. 183.
Pressure-gage. R. W. Zimmerman. No. 1,288,370; Dec. 17; v. 257; p. 603.
Pressure gage, Blood-. A. Roesch. No. 1,282,632; Oct. 22; v. 255; p. 785.
Pressure-gage for steam-boilers. F. H. Loveridge. No. 1,260,925; Mar. 26; v. 248; p. 959.
Pressure-generator. F. Homewood. No. 1,277,314; Aug. 27; v. 253; p. 913.
Pressure-governor. C. Balough. No. 1,268,421; June 4; v. 251; p. 100.
Pressure-recorder. C. D. Young. No. 1,265,156; May 7; v. 250; p. 79.
Pressure-regulating apparatus. T. G. Mouat. No. 1,284,748; Nov. 12; v. 256; p. 368.
Pressure-regulating device. C. H. Fulson. No. 1,264,173; Apr. 30; v. 249; p. 1002.
Pressure-regulator. H. H. Armstrong. No. 1,275,641; Aug. 13; v. 253; p. 388.
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Pressure-regulator. J. Bushager. No. 1,285,026; Nov. 19; v. 256; p. 478.
Pressure-regulator. L. W. Cushman. No. 1,257,460; Feb. 26; v. 247; p. 797.
Pressure-regulator. O. Z. Frazier. No. 1,281,337; Oct. 15; v. 255; p. 396.
Pressure-regulator. G. S. Melcher. No. 1,265,937; May 14; v. 250; p. 323.
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Pressure-regulator indicator. W. G. Miller. No. 1,263,919; Apr. 23; v. 249; p. 900.
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Pressure-release. R. L. Bacher. No. 1,255,574; Feb. 5; v. 247; p. 134.
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Price-indicator. J. A. Lethert. No. 1,255,897; Feb. 12; v. 247; p. 267.
Price-slip for piecework. R. A. Feiss. No. 1,272,243; July 9; v. 252; p. 451.
Pricing outfit. F. G. Shuman. No. 1,261,447; Apr. 2; v. 249; p. 129.
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Prie-dieu. H. Dreisoerner. No. 1,265,703; May 7; v. 250; p. 225.
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Primer. H. A. Hills. No. 1,260,262; Mar. 19; v. 248; p. 735.
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Priming-cup. R. Huff. No. 1,288,003; Dec. 17; v. 257; p. 515.
Priming-cup. E. Nolan. No. 1,286,727; Dec. 3; v. 257; p. 131.
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Print-developing machine. H. L. Blondes. No. 1,256,290; Feb. 12; v. 247; p. 384.
Print machine, Blue-. W. M. Balentine. No. 1,282,668; Oct. 22; v. 255; p. 795.
Print-rolls for cloth-printing, Preparing. W. H. Hope. No. 1,255,881; Feb. 12; v. 247; p. 263.
Print-washer. J. O. Schmitt. No. 1,265,390; May 7; v. 250; p. 142.
Printed imitation-type-written letters, Attachment for. E. Kirkbride. No. 1,288,616; Dec. 24; v. 257; p. 692.
Printed material, Mechanism for controlling the running of a web of. T. M. Avery. No. 1,256,286; Feb. 12; v. 247; p. 383.
Printer, Combined contact and enlarging. C. A. Lare. No. 1,273,881; July 30; v. 252; p. 991.
Printer's chase. H. W. Wilson. No. 1,266,366; May 14; v. 250; p. 441.
Printer's chase-lock-up device. R. W. Hitchcock. No. 1,282,577; Oct. 22; v. 255; p. 770.
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Printer's form-alining apparatus. F. A. Poole. No. 1,281,830; Oct. 15; v. 255; p. 528.
Printer's galley-lock. J. E. Lee. No. 1,257,500; Feb. 26; v. 247; p. 810.
Printers' leads and the like, Mold for casting. A. L. Knight. No. 1,256,808; Feb. 19; v. 247; p. 571.
Printers' leads, rules, &c., Manufacture of. A. L. Knight. No. 1,256,806; Feb. 19; v. 247; p. 571.
Printer's quoin. A. Lange and A. Metzger. No. 1,257,889; Feb. 26; v. 247; p. 925.
Printer's quoin. P. Simpson. No. 1,254,370; Jan. 22; v. 246; p. 931.
Printer's quoin. W. J. Tinsley. No. 1,271,807; July 9; v. 252; p. 326.
Printer's roller. F. H. Wolever. No. 1,283,392; Oct. 29; v. 255; p. 1019.
Printer's roller. F. H. Wolever. No. 1,285,536; Nov. 19; v. 256; p. 605.
Printer's-roller composition. J. L. Basseches. No. 1,284,172; Nov. 5; v. 256; p. 194.
Printer's steel spacing furniture. L. C. Hay and W. S. Marder. No. 1,283,750; Nov. 5; v. 256; p. 82.
Printer's strip material, Mold for. J. S. Bancroft and A. L. Knight. No. 1,283,626; Nov. 5; v. 256; p. 49.
Printing. J. S. Bergman. No. 1,277,835; Sept. 3; v. 254; p. 139.
Printing. C. W. Saalburg. No. 1,271,949; July 9; v. 252; p. 367.
Printing and addressing machine. L. McMillan. No. 1,255,032; Jan. 29; v. 246; p. 1152.
Printing and blanking machine. E. Craig. No. 1,289,679; Dec. 31; v. 257; p. 976.
Printing and envelop-addressing machine, Card-. J. Tomlinson. No. 1,281,098; Oct. 8; v. 255; p. 297.
Printing and goffering fabrics. E. E. Marinier. No. 1,252,710; Jan. 8; v. 246; p. 401.
Printing and identification device, Combined. J. S. Duncan. No. 1,288,395; Dec. 17; v. 257; p. 610.
Printing and identification device, Combined. J. S. Duncan. No. 1,288,396; Dec. 17; v. 257; p. 610.
Printing and issuing differentiated tickets and recording the issue thereof, Manually-controlled machine for. G. A. Julius and F. A. Wilkinson. No. 1,288,910; Dec. 24; v. 257; p. 762.
Printing and issuing machine, Transfer. R. B. Craig and A. L. Coffman. No. 1,280,966; Oct. 8; v. 255; p. 260.
Printing and serving apparatus, Wrapping-paper. R. L. Welch. No. 1,262,885; Apr. 16; v. 249; p. 592.
Printing and serving machine. J. C. Thomas. No. 1,256,078; Feb. 12; v. 247; p. 321.
Printing and transferring decalcomanias to china, metal, wood, &c. A. S. Becker. No. 1,271,006; July 2; v. 252; p. 73.
Printing apparatus. H. K. Rightmire and S. E. Berg. No. 1,265,519; May 7; v. 250; p. 177.
Printing apparatus. R. T. Yinger. No. 1,285,884; Nov. 26; v. 256; p. 734.
Printing, Apparatus for producing relief-. J. W. Goldhamer. No. 1,283,155; Oct. 29; v. 255; p. 957.
Printing apparatus, Post-card-. R. Scholze. No. 1,255,054; Jan. 29; v. 246; p. 1158.
Printing audit-keeping machine, Railway-ticket-. J. H. Bair. No. 1,288,470; Dec. 24; v. 257; p. 655.
Printing-block-control mechanism. A. Jones and H. A. Webster. No. 1,263,900; Apr. 23; v. 249; p. 895.
Printing-block pin. H. Howson. No. 1,253,038; Jan. 8; v. 246; p. 498.
Printing brush-backs, Device for. W. F. Witherell. No. 1,254,955; Jan. 29; v. 246; p. 1132.
Printing checks, Form of. E. M. Smith. No. 1,283,937; Nov. 5; v. 256; p. 131.
Printing-cloth for presses. H. Hartmann. No. 1,255,603; Feb. 5; v. 247; p. 142.
Printing, Color-. D. F. Comstock. No. 1,283,087; Oct. 29; v. 255; p. 939.
Printing-cylinders, Mold for casting peripherally-closed relief-engraved. E. T. Neben. No. 1,261,642; Apr. 2; v. 249; p. 184.
Printing device. D. C. Huffman. No. 1,262,195; Apr. 9; v. 249; p. 370.
Printing device. A. G. Ogden. (Reissue.) No. 14,517; Sept. 3; v. 254; p. 205.
Printing device. J. Whitaker. No. 1,280,921; Oct. 8; v. 255; p. 249.
Printing device, Electrically-operating. A. R. Bullock. No. 1,275,657; Aug. 13; v. 253; p. 393.
Printing device, Ribbon-. J. T. Quigley. No. 1,284,925; Nov. 12; v. 256; p. 413.
Printing-die. H. C. Welter. No. 1,255,368; Feb. 5; v. 247; p. 73.
Printing fabrics. G. Prifold. No. 1,255,049; Jan. 29; v. 246; p. 1156.
Printing fabrics, Machine for. G. Prifold. No. 1,276,413; Aug. 20; v. 253; p. 636.
Printing fibrous substances, Machine for. A. Amrein. No. 1,252,985; Jan. 8; v. 246; p. 481.
Printing-form. J. E. Grassmann. No. 1,260,976; Mar. 26; v. 248; p. 973.
Printing-forms, Mold for casting elements of. A. L. Knight. No. 1,256,807; Feb. 19; v. 247; p. 571.
Printing-forms, Production of elements of. A. L. Knight. No. 1,257,006; Feb. 19; v. 247; p. 632.
Printing-forms, Severing mechanism for strip elements of. W. L. Rowell. No. 1,283,922; Nov. 5; v. 256; p. 127.
Printing-frame. E. Jabs. No. 1,258,118; Mar. 5; v. 248; p. 49.
Printing from intaglio or undersurface printing-plates, Multicolor. A. H. Smith. No. 1,260,824; Mar. 26; v. 248; p. 933.
Printing intersecting lines, Rule for. J. Rosenberg. No. 1,262,848; Apr. 16; v. 249; p. 583.
Printing-machine. C. Barbieri and J. S. Thompson. No. 1,287,610; Dec. 17; v. 257; p. 416.
Printing-machine. C. A. Erickson. No. 1,275,410; Aug. 13; v. 253; p. 325.
Printing-machine. R. A. Freeman. No. 1,252,422; Jan. 8; v. 246; p. 317.
Printing-machine. G. L. Fulk. No. 1,282,211; Oct. 22; v. 255; p. 670.
Printing-machine. C. Houseman. No. 1,270,827; July 2. v. 252; p. 21.
Printing-machine. C. Houseman. No. 1,288,896; Dec. 24; v. 257; p. 759.
Printing-machine. B. F. Joline. No. 1,262,205; Apr. 9; v. 249; p. 373.
Printing-machine. C. Kesses. No. 1,271,913; July 9; v. 252; p. 357.
Printing-machine. H. J. Plant. No. 1,281,652; Oct. 15; v. 255; p. 479.
Printing-machine. F. A. Putnam and C. F. Robbins. No. 1,279,904; Sept. 24; v. 254; p. 781.

Printing-machine. A. H. Ray. No. 1,288,191; Dec. 17; v. 257; p. 562.
Printing-machine. W. Reynolds. No. 1,254,731; Jan. 29; v. 246; p. 1064.
Printing-machine. A. H. Smith. No. 1,282,131; Oct. 22; v. 255; p. 650.
Printing-machine. M. Smith. No. 1,269,327; June 11; v. 251; p. 373.
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Printing-machine addressing attachment. J. D. Havens. No. 1,282,228; Oct. 22; v. 255; p. 676.
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Printing machine, Cap-. J. M. Shourt. No. 1,252,043. Jan. 1; v. 246; p. 177.
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Printing-machines, Inking mechanism for rotary. H. M. Barber. No. 1,284,213; Nov. 12; v. 256; p. 232.
Printing-machines, Paper-web-control device for reel-fed rotary. H. V. James. No. 1,263,419; Apr. 23; v. 249; p. 763.
Printing-machines, Paper-web-control device for reel-fed rotary. H. V. James. No. 1,286,331; Dec. 3; v. 257; p. 36.
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Printing or marking apparatus. J. T. Quigley. No. 1,277,119; Aug. 27; v. 253; p. 863.
Printing-plate and producing and finishing such plates. W. M. Wood. No. 1,288,354; Dec. 17; v. 257; p. 600.
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Printing-plate-casting machines, Pump mechanism for stereotype-. H. A. W. Wood. No. 1,259,947; Mar. 19; v. 248; p. 648.
Printing-plate-curving machine. H. E. Hubbard. No. 1,276,532; Aug. 20; v. 253; p. 668.
Printing-plate device. H. C. Boedicker. No. 1,258,982; Mar. 12; v. 248; p. 339.
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Printing-plate-matrix feed and magazine, Stereotype-. H. A. W. Wood. No. 1,259,946; Mar. 19; v. 248; p. 647.
Printing-plate, Selective. F. C. Dolcater. No. 1,259,001; Mar. 12; v. 248; p. 345.
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Printing-plates, Machine for making curved stereotype. C. E. Hopkins. No. 1,286,322; Dec. 3; v. 257; p. 34.
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Printing-slug-sawing device. C. L. Mohr. No. 1,281,807; Oct. 15; v. 255; p. 521.
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Projectile-bands and the like, Apparatus for making. A. W. Limont. No. 1,266,963; May 1; v. 250; p. 637.
Projectile-bands, Making. A. W. Limont. No. 1,274,359; July 30; v. 252; p. 1124.
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Projector. J. L. Hall. No. 1,284,661; Nov. 12; v. 256; p. 345.
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Propeller. L. P. Biggers. No. 1,267,048; May 21; v. 250; p. 662.
Propeller. W. W. Dukeshier. No. 1,273,751; July 23; v. 252; p. 917.
Propeller. H. Folger. No. 1,284,634; Nov. 12; v. 256; p. 339.
Propeller. R. C. Hill. No. 1,287,690; Dec. 17; v. 257; p. 437.
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Propeller-blades, Machine for making. W. J. Boda. No. 1,277,689; Sept. 3; v. 254; p. 99.
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Propeller, Fan-. L. Study. No. 1,252,195; Jan. 1; v. 246; p. 219.
Propeller, Gyroscope-. O. Will. No. 1,270,998; July 2; v. 252; p. 71.
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Prophylactic device. C. C. Gallagher. No. 1,260,180; Mar. 19; v. 248; p. 711.
Propulsion and the like, Ship. G. O. Parker. No. 1,268,765; June 4; v. 251; p. 196.
Propulsion device for vessels. M. Hollander. No. 1,274,416; Aug. 6; v. 253; p. 21.
Propulsion, Marine. B. Strauch. No. 1,272,141; July 9; v. 252; p. 424.
Propulsion of vessels. J. A. Backlund. No. 1,267,351; May 28; v. 250; p. 773.
Propulsion of vessels. R. W. Davis. No. 1,270,603; June 25; v. 251; p. 778.
Propulsion, Ship. E. D. Dickinson. No. 1,269,404; June 11; v. 251; p. 393.
Propulsion, Ship. W. L. R. Emmet. No. 1,270,134; June 18; v. 251; p. 623.
Protected look-out device. I. W. Raven. No. 1,288,677; Dec. 24; v. 257; p. 707.
Protecting device. D. W. Schwieger. No. 1,264,445; Apr. 30; v. 249; p. 1079.
Protecting pad or armor. D. Levinson. No. 1,253,260; Jan. 15; v. 246; p. 592.
Protective apparatus and system. L. W. Chubb. No. 1,260,643; Mar. 26; v. 248; p. 882.
Protective device. E. E. F. Creighton. No. 1,261,711; Apr. 2; v. 249; p. 203.
Protective device. E. E. F. Creighton. No. 1,266,558; May 21; v. 250; p. 524.
Protective device. E. E. F. Creighton. No. 1,269,526; June 11; v. 251; p. 425.
Protective device. E. E. F. Creighton. No. 1,284,609; Nov. 12; v. 256; p. 332.
Protective device. G. F. Gray. No. 1,269,534; June 11; v. 251; p. 427.
Protective device. J. E. Graybill. No. 1,262,582; Apr. 9; v. 249; p. 478.
Protective device. H. D. Matthews. No. 1,269,481; June 11; v. 251; p. 413.
Protective device. D. T. May. No. 1,287,725; Dec. 17; v. 257; p. 446.
Protective device. C. S. Price. No. 1,276,567; Aug. 20; v. 253; p. 678.
Protective device. R. G. Sands. No. 1,277,133; Aug. 27; v. 253; p. 867.
Protective device. C. P. Steinmetz. No. 1,270,894; July 2; v. 252; p. 40.
Protective device. G. H. Stevenson. No. 1,271,794; July 9; v. 252; p. 323.
Protective device, G. Wolff. No. 1,271,407; July 2; 252; p. 183.
Protective device, Automatic. K. Karppinen. No. 1,268,014; May 28; v. 250; p. 958.
Protective inclosure. D. Mapes. No. 1,280,264; Oct. 1; v. 255; p. 42.
Protective unit. W. Dubilier. No. 1,281,309; Oct. 15; v. 255; p. 386.
Protector. W. L. De Courcey. No. 1,254,483; Jan. 22; v. 246; p. 963.
Protector for children. J. Pickles. No. 1,264,971; May 7; v. 250; p. 27.
Protector, Soldier's. S. Golembiowski. No. 1,282,411; Oct. 22; v. 255; p. 725.
Protector, Soldier's. F. Szczesny. No. 1,282,315; Oct. 22; v. 255; p. 699.
Proteid silver, Preparation of. Y. Nukada. No. 1,272,987; July 16; v. 252; p. 689.
Proteids from waste liquors of the hide-treating art, Recovery of. C. L. Peck. No. 1,274,763; Aug. 6; v. 253; p. 121.
Protractor. A. Gangwisch. No. 1,277,403; Sept. 3; v. 254; p. 20.
Protractor, Framing-. J. L. Gibson. No. 1,264,633; Apr. 30; v. 249; p. 1131.
Protractor-level for drills and other tools. D. D. Roth. No. 1,255,644; Feb. 5; v. 247; p. 153.
Publisher's mechanical lay-out and bulletin apparatus and method. L. Ostrow. No. 1,261,847; Apr. 9; v. 249; p. 274.
Pull-rod attachment. J. O. Bewan. No. 1,287,843; Dec. 17; v. 257; p. 476.
Pull-socket. S. Buchsbaum. No. 1,253,141; Jan. 8; v. 246; p. 528.
Pull-socket, Porcelain. E. H. Freeman. No. 1,262,320; Apr. 9; v. 249; p. 403.
Puller: *See*—
Auto-puller.
Automobile-puller.
Battery-element puller.
Beet-puller.
Bolt-puller.
Candy-puller.
Clothes-line puller.
Cork-puller.
Cotter-pin puller.
Cotton-ball puller.
Drill-bit puller.
Fence-post puller.
Nail-puller.
Pin-puller.
Pipe-puller.
Pipe, drill-rod, and casing puller.
Plug-puller.
Rock and log puller.
Rock-drill steel-puller.
Rod-puller.
Spike-puller.
Sprout-puller.
Staple-puller.
Steel-puller.
Stone-puller.
Stump-puller.
Tack-puller.
Thistle-puller.
Track-spike puller.
Weed-puller.
Well-casing puller.
Wheel-puller.
Pulley. W. G. Fry and V. A. Seuberth. No. 1,275,670; Aug. 13; v. 253; p. 397.
Pulley. G. H. Garcelon. No. 1,266,579; May 21; v. 250; p. 529.
Pulley. M. A. Kendall. No. 1,286,343; Dec. 3; v. 257; p. 39.
Pulley. J. Petrello. No. 1,267,333; May 21; v. 250; p. 739.
Pulley. J. Stewart. No. 1,255,661; Feb. 5; v. 247; p. 158.
Pulley and like wheel. H. B. Vogel. No. 1,263,631; Apr. 23; v. 249; p. 822.
Pulley-block. C. B. Weston. No. 1,257,431; Feb. 26; v. 247; p. 788.
Pulley, Cable-drive. C. E. Sackett. No. 1,267,278; May 21; v. 250; p. 725.
Pulley, Detachable auto-. E. A. Kottke. No. 1,262,959; Apr. 16; v. 249; p. 614.
Pulley, Expanding. J. W. Leary. No. 1,287,707; Dec. 17; v. 257; p. 442.
Pulley, Expansible. J. Muller. No. 1,254,261; Jan. 22; v. 246; p. 899.
Pulley for automobiles. C. R. Dahl. No. 1,266,220; May 14; v. 250; p. 403.
Pulley-guard. W. O'Connor. No. 1,277,466; Sept. 3; v. 254; p. 37.
Pulley-guard. O. H. and A. F. Pieper. No. 1,271,612; July 9; v. 252; p. 273.
Pulley-lagger. F. W. Bearg. No. 1,283,458; Nov. 5; v. 256; p. 5.
Pulley, Loose. A. W. Nelson. No. 1,268,382; June 4; v. 251; p. 89.
Pulley, Mine-. J. B. Anderson. No. 1,274,836; Aug. 6; v. 253; p. 141.
Pulley or power-transmission mechanism, Automatic stress-relieving friction-. J. Stampen. No. 1,256,947; Feb. 19; v. 247; p. 614.
Pulley, Pressed-steel. R. H. Bowen. No. 1,255,506; Feb. 5; v. 247; p. 113.
Pulley-rim covering. H. Putsch. No. 1,257,530; Feb. 26; v. 247; p. 819.
Pulley, Roller-blind. J. Keiser. No. 1,278,801; Sept. 10; v. 254; p. 422.
Pulley, Split. R. W. Griffith. No. 1,268,242; June 4; v. 251; p. 48.
Pulley-stock. E. R. Holmes. No. 1,280,734; Oct. 8; v. 255; p. 197.
Pulley, Traction-. P. G. Gardner. No. 1,264,052; Apr. 23; v. 249; p. 936.
Pulling and hauling machine. S. P. Bradley. No. 1,287,853; Dec. 17; v. 257; p. 478.

Pulling device, Upper-. W. C. Stewart. No. 1,289,635; Dec. 31; v. 257; p. 966.
Pulling implement. A. B. Cureton. No. 1,289,403; Dec. 31; v. 257; p. 910.
Pulling implement. P. J. Quinlan. No. 1,261,164; Apr. 2; v. 249; p. 49.
Pulling machine, Upper-. E. Brothers. No. 1,289,632; Dec. 31; v. 257; p. 966.
Pulling machine, Upper-. E. Brothers. No. 1,289,634; Dec. 31; v. 257; p. 966.
Pulling-over and lasting machine. O. Ashton. No. 1,280,613; Oct. 1; v. 255; p. 138.
Pulling-over machine. S. B. Henderson. No. 1,267,408; May 28; v. 250; p. 788.
Pulp and waste removing and fiber-cleaning machine. W. S. Grove. No. 1,253,029; Jan. 8; v. 246; p. 495.
Pulp, Apparatus for producing articles from. W. H. Drake. No. 1,274,148; July 30; v. 252; p. 1067.
Pulp-beater. S. Mitchell. No. 1,277,628; Sept. 3; v. 254; p. 82.
Pulp-beater. S. Mitchell. No. 1,277,629; Sept. 3; v. 254; p. 83.
Pulp-beater. S. Mitchell. No. 1,277,630; Sept. 3; v. 254; p. 83.
Pulp-beating mechanism. N. Lombard. No. 1,272,473; July 16; v. 252; p. 541.
Pulp boards, Manufacture of. D. M. Sutherland, Jr. No. 1,272,566; July 16; v. 252; p. 567.
Pulp, Manufacture of wood-. O. Kress and S. D. Wells. No. 1,266,957; May 21; v. 250; p. 635.
Pulp-molding machine. A. J. Hodge and H. B. Ruggles. No. 1,278,466; Sept. 10; v. 254; p. 331.
Pulp vessels, Process of and apparatus for making. A. E. Chodzko. No. 1,264,365; Apr. 30; v. 249; p. 1056.
Pulp washing or similarly treating apparatus. S. Milne. No. 1,267,683; May 28; v. 250; p. 864.
Pulper. H. S. Sloan. No. 1,283,931; Nov. 5; v. 256; p. 130.
Pulping-machine. H. W. Lowe. No. 1,262,530; Apr. 9; v. 249; p. 462.
Pulsation-preventing mechanism. S. A. Moss. No. 1,280,812; Oct. 8; v. 255; p. 220.
Pulverized material from bins, &c., Means for discharging. J. E. Kennedy. No. 1,288,025; Dec. 17; v. 257; p. 521.
Pulverizer. J. C. Clark. No. 1,260,330; Mar. 26; v. 248; p. 789.
Pulverizer, Centrifugal attritional. J. H. and J. Macartney. No. 1,253,619; Jan. 15; v. 246; p. 696.
Pulverizer, Rock-. E. A. Velde. No. 1,253,547; Jan. 15; v. 246; p. 675.
Pulverizer, Soil-. L. D. Obitts. No. 1,265,491; May 7; v. 250; p. 170.
Pulverizer, Soil-. E. Powers. No. 1,262,253; Apr. 9; v. 249; p. 385.
Pulverizers, Stem for impact-. J. D. Bingham. No. 1,282,671; Oct. 22; v. 255; p. 796.
Pulverizing apparatus. R. A. Lachmann, A. W. Raymond, and W. B. Senseman. No. 1,260,406; Mar. 26; v. 248; p. 811.
Pulverizing apparatus. R. A. Lachmann, A. W. Raymond, and W. B. Senseman. No. 1,260,407; Mar. 26; v. 248; p. 811.
Pulverizing-machine. C. A. Koehler and C. C. Crosson. No. 1,257.882; Feb. 26; v. 247; p. 922.
Pump. B. S. Aikman. No. 1,256,092; Feb. 12; v. 247; p. 324.
Pump. H. W. Ashmusen. No. 1,252,875; Jan. 8; v. 246; p. 446.
Pump. E. Benson. No. 1,280,134; Oct. 1; v. 255; p. 4.
Pump. J. Berg. No. 1,264,144; Apr. 30; v. 249; p. 993.
Pump. W. W. Blackburn. No. 1,282,734; Oct. 29; v. 255; p. 840.
Pump. G. S. Boyd. No. 1,258,527; Mar. 5; v. 248; p. 169.
Pump. A. W. Burks. No. 1,272,771; July 16; v. 252; p. 627.
Pump. H. H. Colson. No. 1,253,003; Jan. 8; v. 246; p. 487.
Pump. G. Constantinesco. No. 1,278,439; Sept. 10; v. 254; p. 324.
Pump. W. B. Douglas. No. 1,252,889; Jan. 8; v. 246; p. 451.
Pump. R. H. Elsey. No. 1,267,856; May 28; v. 250; p. 915.
Pump. R. Z. Emmert. No. 1,280,001; Sept. 24; v. 254; p. 808.
Pump. H. J. Feyzes. No. 1,265,070; May 7; v. 250; p. 56.
Pump. C. H. Fraley. No. 1,286,271; Dec. 3; v. 257; p. 21.
Pump. V. H. Francis. No. 1,284,641; Nov. 12; v. 256; p. 340.
Pump. V. H. Francis. No. 1,284,642; Nov. 12; v. 256; p. 341.
Pump. V. H. Francis. No. 1,286,272; Dec. 3; v. 257; p. 22.
Pump. W. M. Fraser. No. 1,263,401; Apr. 23; v. 249; p. 757.
Pump. F. L. Gould. No. 1,256,127; Feb. 12; v. 247; p. 335.
Pump. L. Hadford. No. 1,266,252; May 14; v. 250; p. 411.
Pump. H. K. Hedges. No. 1,262,664; Apr. 16; v. 249; p. 529.
Pump. H. K. Hedges. No. 1,262,665; Apr. 16; v. 249; p. 530.
Pump. C. Macbeth. No. 1,280,511; Oct. 1; v. 255; p. 110.
Pump. H. Mead. No. 1,262,079; Apr. 9; v. 249; p. 336.
Pump. J. C. Merrill. No. 1,254,522; Jan. 22; v. 246; p. 974.
Pump. A. Mitchell. No. 1,266,974; May 21; v. 250; p. 640.
Pump. S. A. Moss. No. 1,264,116; Apr. 23; v. 249; p. 952.
Pump. A. C. Paulsmeier. No. 1,259,437; Mar. 12; v. 248; p. 468.
Pump. S. V. Perry. No. 1,260,036; Mar. 19; v. 248; p. 673.
Pump. C. R. Raynes. No. 1,285,792; Nov. 26; v. 256; p. 711.
Pump. H. N. Rothweiler. No. 1,264,563; Apr. 30; v. 249; p. 1113.
Pump. E. Schlaepfer, Fils, and L. Blanc. No. 1,258,471; Mar. 5; v. 248; p. 151.
Pump. J. G. and G. B. Spear. No. 1,266,876; May 21; v. 250; p. 612.
Pump. D. G. Stanek. No. 1,287,496; Dec. 10; v. 257; p. 357.
Pump. W. E. Taylor. No. 1,277,273; Aug. 21; v. 253; p. 903.
Pump. N. W. Thompson and F. J. McGraw. No. 1,275,793; Aug. 13; v. 253; p. 431.
Pump. M. A. Tips. No 1,286,150; Nov. 26; v. 256; p. 798.
Pump. H. B. Walker. No. 1,272,737; July 16; v. 252; p. 618.
Pump. A. G. Walls. No. 1,270,573; June 25; v. 251; p. 771.
Pump. M. C. Walls. No. 1,253,914; Jan. 15; v. 246; p. 780.
Pump. G. Washington. No. 1,258,835; Mar. 12; v. 248; p. 297.
Pump actuating and reversing mechanism. J. P. Ulderup. No. 1,275,800; Aug. 13; v. 253; p. 433.
Pump, Air-. A. G. R. Guerard. No. 1,255,875; Feb. 12; v. 247; p. 261.
Pump, Air-. C. A. Herle. No. 1,257,350; Feb. 26; v. 247; p. 766.
Pump, Air-. H. O. Johnson. No. 1,275,440; Aug. 13; v. 253; p. 333.
Pump, Air-. G. Pagel. No. 1,267,897; May 28; v. 250; p. 926.
Pump, Air-. G. V. Piotrowsky. No. 1,257,527; Feb. 26; v. 247; p. 818.
Pump Air-. D. H. Prutton. No. 1,281,068; Oct. 8; v. 255; p. 288.
Pump, Air-. G. Scriver. No. 1,271,232; July 2; v. 252; p. 136.
Pump, Air-. W. A. Swan and W. A. Higgs. No. 1,272,568; July 16; v. 252; p. 568.
Pump, Air-. C. L. Walker. No. 1,263,166; Apr. 16; v. 249; p. 674.
Pump, Air and gas. R. A. Bemis. No. 1,278,572; Sept. 10; v. 254; p. 360.
Pump, Air chamber and drain storage. C. F. Brandenberger and M. W. Reuther. No. 1,255,855; Feb. 12; v. 247; p. 255.
Pump, Air-compressor. G. and C. Burd. No. 1,273,728; July 23; v. 252; p. 911.
Pump, Air-lift. L. T. Edwards. No. 1,276,505; Aug. 20; v. 253; p. 661.
Pump, Air-lift. L. T. Edwards. No. 1,276,506; Aug. 20; v. 253; p. 661.
Pump, Air-lift. C. W. Whitney. No. 1,253,115; Jan. 8; v. 246; p. 521.
Pump and compressor, Centrifugal. R. F. Halliwell. No. 1,284,662; Nov. 12; v. 256; p. 346.
Pump and fire-extinguisher, Combined. G. D. Buck. No. 1,256,870; Feb. 19; v. 247; p. 591.
Pump and ignition-distributer mounting, Combined oil-. C. Laporte and I. Ornberg. No. 1,287,351; Dec. 10; v. 257; p. 323.
Pump and pumping system. B. S. Aikman. No. 1,253,558; Jan. 15; v. 246; p. 678.
Pump and pumping system. B. S. Aikman. No. 1,253,559; Jan. 15; v. 246; p. 679.
Pump and pumping system. B. S. Aikman. No. 1,255,972; Feb. 12; v. 247; p. 289.
Pump and the like, Gear-. C. A. Smith. No. 1,285,819; Nov. 26; v. 256; p. 718.
Pump and the like, Screw-. A. B. Wood. No. 1,262,422; Apr. 9; v. 249; p. 433.
Pump and windmill connection, Automatic. T. W. Slack. No. 1,272,132; July 9; v. 252; p. 421.
Pump - antifreezing attachment. W. Jenkins. No. 1,259,520; Mar. 19; v. 248; p. 523.
Pump, Automatic tire-. C. G. Hall. No. 1,254,903; Jan. 29; v. 246; p. 1118.
Pump, Automatic tire-. M. D. Murray. No. 1,254,526; Jan. 22; v. 246; p. 975.
Pump, Automobile-tire. S. T. Culp. No. 1,289,064; Dec. 24; v. 257; p. 800.

Pump, Automobile-tire. M. A. Lane. No. 1,267,088; May 21; v. 250; p. 673.
Pump, blower, and exhauster, Centrifugal. G. R. Schueler. No. 1,282,639; Oct. 22; v. 255; p. 787.
Pump booster, Air-lift-. F. S. Miller. (Reissue.) No. 14,479; June 4; v. 251; p. 210.
Pump, Breast-. O. O. R. Schwidetzky. No. 1,278,762; Sept. 10; v. 254; p. 412.
Pump, Breast-. J. F. McCleary. No. 1,284,396; Nov. 12; v. 256; p. 281.
Pump, Bucket-. I. A. Weaver. No. 1,268,518; June 4; v. 251; p. 127.
Pump, Centrifugal. F. L. Antisell. No. 1,281,478; Oct. 15; v. 255; p. 434.
Pump, Centrifugal. J. D. Bell. No. 1,272,606; July 16; v. 252; p. 580.
Pump, Centrifugal. H. A. J. de Bijil Nachenius. No. 1,278,721; Sept. 10; v. 254; p. 401.
Pump, Centrifugal. L. W. Bodinson. No. 1,257,793; Feb. 26; v. 247; p. 896.
Pump, Centrifugal. C. G. De Laval. No. 1,269,063; June 11; v. 251; p. 299.
Pump, Centrifugal. O. Duda. No. 1,287,920; Dec. 17; v. 257; p. 495.
Pump, Centrifugal. O. Haentjens. No. 1,263,663; Apr. 23; v. 249; p. 830.
Pump, Centrifugal. F. W. Krogh. No. 1,277,430; Sept. 3; v. 254; p. 28.
Pump, Centrifugal. M. S. Okun. No. 1,262,240; Apr. 9; v. 249; p. 382.
Pump, Centrifugal. P. Ostenberg. No. 1,273,913; July 30; v. 252; p. 1001.
Pump, Centrifugal. A. R. Wilfley. No. 1,276,847; Aug. 27; v. 253; p. 790.
Pump, Centrifugal. A. R. Wilfley. No. 1,289,337; Dec. 31; v. 257; p. 893.
Pump, Centrifugal. R. L. Yates. No. 1,283,013; Oct. 29; v. 255; p. 920.
Pump, Centrifugal turbine-. C. E. Burress. No. 1,267,180; May 21; v. 250; p. 700.
Pump, Centrifugal, turbine, and similar. W. D. Carter. No. 1,260,639; Mar. 26; v. 248; p. 881.
Pump-chain guard. R. J. Forsyth. No. 1,288,550; Dec. 24; v. 257; p. 676.
Pump, Compound centrifugal. J. C. Soemer. No. 1,266,072; May 14; v. 250; p. 361.
Pump, Condenser-. W. H. Blake. No. 1,271,841; July 9; v. 252; p. 337.
Pump connection. S. R. Anthony. No. 1,266,192; May 14; v. 250; p. 396.
Pump, Continuous-acting. L. Dinesen. No. 1,286,958; Dec. 10; v. 257; p. 223.
Pump control. R. B. Hicks. No. 1,253,687; Jan. 15; v. 246; p. 716.
Pump control for boiler feed, Automatic. W. L. Foster. No. 1,270,138; June 18; v. 251; p. 624.
Pump-controller. E. T. Foote. No. 1,289,429; Dec. 31; v. 257; p. 917.
Pump-cylinder. D. F. Axelson. No. 1,271,260; July 2; v. 252; p. 143.
Pump-cylinder. M. S. Parsons. No. 1,281,412; Oct. 15; v. 255; p. 417.
Pump, Deep-well. D. Beedy. No. 1,271,995; July 9; v. 252; p. 383.
Pump, Deep-well. L. W. Bodinson. No. 1,289,624; Dec. 31; v. 257; p. 964.
Pump, Deep-well. L. W. Bodinson. No. 1,289,625; Dec. 31; v. 257; p. 963.
Pump, Deep-well. W. A. Doble and O. Jacobsen. No. 1,285,644; Nov. 26; v. 256; p. 672.
Pump, Differential. L. H. Jensen. No. 1,268,850; June 11; v. 251; p. 240.
Pump, Direct air displacement-. J. Rigling. No. 1,289,543; Dec. 31; v. 257; p. 944.
Pump, Dispensing-. W. T. Hawkins. No. 1,289,752; Dec. 31; v. 257; p. 994.
Pump, Dispensing and measuring. J. B. Davis. No. 1,275,864; Aug. 13; v. 253; p. 451.
Pump, Dispensing and measuring. F. E. Dayton. No. 1,277,699; Sept. 3; v. 254; p. 103.
Pump, Double-acting. W. N. Weinman. No. 1,278,264; Sept. 10; v. 254; p. 279.
Pump, Double-acting air-. R. D. Hughes. No. 1,253,976; Jan. 15; v. 246; p. 797.
Pump, Drain storage-. C. F. Brandenberger. No. 1,266,658; May 21; v. 250; p. 553.
Pump, Ejector condensate-. G. L. Kothny and R. Suczek. No. 1,273,876; July 30; v. 252; p. 990.
Pump, Explosion-. A. Giallever. No. 1,285,678; Nov. 26; v. 256; p. 681.
Pump, Fan-. K. Kleckler. No. 1,283,529; Nov. 5; v. 256; p. 24.
Pump, Fluid-. C. A. Anderson. No. 1,267,040; May 21; v. 250; p. 659.
Pump, Fluid-. G. W. Kellogg. (Reissue.) No. 14,490; July 2; v. 252; p. 217.
Pump, Fluid-. L. A. Payton. No. 1,269,739; June 18; v. 251; p. 517.
Pump for acids. H. Tobler. No. 1,282,145; Oct. 22; v. 255; p. 653.
Pump for automobiles, Tire-. T. A. Helleran. No. 1,273,483; July 23; v. 252; p. 846.
Pump for explosive-engines, Priming-. L. F. Chaney. No. 1,265,881; May 14; v. 250; p. 308.
Pump for hydraulic speed-gears, Variable-stroke. C. M. Manly. No. 1,283,249; Oct. 29; v. 255; p. 981.
Pump for motor-boats, Bilge-. W. E. Lowell. No. 1,269,290; June 11; v. 251; p. 362.
Pump for motor-vehicles, Automatic. W. Dewey. No. 1,287,912; Dec. 17; v. 257; p. 493.
Pump for oil and the like, Measuring-. J. B. Davis. No. 1,275,866; Aug. 13; v. 253; p. 452.
Pump for oil-engines, Fuel-. G. D. Pogue. No. 1,254,846; Jan. 29; v. 246; p. 1100.
Pump for pneumatic cleaners. G. W. Allen. No. 1,254,188; Jan. 22; v. 246; p. 878.
Pump for pneumatic vehicle-wheels, Compensating air-. H. C. Schroeder. No. 1,285,808; Nov. 26; v. 256; p. 715.
Pump for semi-Diesel engines, Fuel-. W. B. Slaughter, Jr., and R. A. Gaertner. No. 1,260,724; Mar. 26; v. 248; p. 905.
Pump for speedometers. T. C. Prouty. No. 1,256,829; Feb. 19; v. 247; p. 578.
Pump for vacuum-cleaners. C. Endorf, Jr. No. 1,273,343; July 23; v. 252; p. 808.
Pump for vacuum-cleaners. H. H. Taylor and L. A. Moberry. No. 1,261,185; Apr. 2; v. 249; p. 54.
Pump for water-distributing systems, Air-. T. Peters. No. 1,279,580; Sept. 24; v. 254; p. 687.
Pump, Force-. H. Frehrs. No. 1,258,207; Mar. 5; v. 248; p. 75.
Pump, Force air-. D. M. Myers. No. 1,265,240; May 7; v. 250; p. 102.
Pump, Gasolene-dispensing. W. T. Hatmaker. No. 1,287,985; Dec. 17; v. 257; p. 511.
Pump, Gear-. W. E. Shore. No. 1,287,118; Dec. 10; v. 257; p. 265.
Pump, Gear-. G. A. Wood. No. 1,271,968; July 9; v. 252; p. 372.
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Pump, Hydraulic. R. Janney. No. 1,287,026; Dec. 10; v. 257; p. 241.
Pump, Hydraulic. W. H. Seely. No. 1,255,055; Jan. 29; v. 246; p. 1158.
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Pump, Hydropneumatic. B. S. H. Harris. No. 1,259,979; Mar. 19; v. 248; p. 657.
Pump-inclosing casing. S. Hinds. No. 1,274,039; July 30; v. 252; p. 1036.
Pump, Internal-combustion. C. A. Clark. No. 1,282,757; Oct. 29; v. 255; p. 846.
Pump, Internal-combustion. V. Griffith. No. 1,257,217; Feb. 19; v. 247; p. 691.
Pump, Internal-combustion hydraulic. E. F. W. Alexanderson. No. 1,259,338; Mar. 12; v. 248; p. 440.
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Pump-jack. A. Wacker. No. 1,269,343; June 11; v. 251; p. 377.
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Pump mechanism. J. A. Seymour. No. 1,261,061; Apr. 2; v. 249; p. 20.
Pump mechanism, Combustion-engine. H. C. Verhey. No. 1,269,882; June 18; v. 251; p. 558.
Pump, Metal-. H. F. Bechman. No. 1,270,483; June 25; v. 251; p. 745.
Pump, Metal-delivering. C. Nordfors. No. 1,289,235; Dec. 31; v. 257; p. 866.
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Quick-adjusting wrench. E. W. Grogan. No. 1,269,275; June 11; v. 251; p. 358.
Quick-attachable coupling. W. L. Moreland. No. 1,286,715; Dec. 3; v. 257; p. 128.
Quick-break switch. B. L. Bobroff. No. 1,289,623; Dec. 31; v. 257; p. 963.
Quick-break switch. A. K. Sutherland. No. 1,271,520; July 2; v. 252; p. 214.
Quick-break switch. A. K. Sutherland. No. 1,288,742; Dec. 24; v. 257; p. 723.
Quick-detachable coupling. R. H. Martin. No. 1,287,385; Dec. 10; v. 257; p. 332.
Quick-opening box. H. B. Smith. No. 1,253,436; Jan. 15; v. 246; p. 646.
Quick-return mechanism. A. A. Bowser. No. 1,261,478; Apr. 2; v. 249; p. 137.
Quiller. J. Jeffers. No. 1,272,669; July 16; v. 252; p. 598.
Quilt-covering, Separate removable. S. Stoddard. No. 1,261,314; Apr. 2; v. 249; p. 92.
Quilt-fastener. S. M. Hopper. No. 1,277,725; Sept. 3; v. 254; p. 110.
Quilting-frame. W. H. Capehart. No. 1,265,880; May 14; v. 250; p. 307.
Quilting-frame. O. Racine. No. 1,261,614; Apr. 2; v. 249; p. 176.
Quilting-frame. G. Stewart. No. 1,275,493; Aug. 13; v. 253; p. 347.
Race-knife. O. M. Scott. No. 1,265,532; May 7; v. 250; p. 180.
Race-piece. T. F. Kirwan. No. 1,286,346; Dec. 3; v. 257; p. 39.
Race-totalizator. G. A. Julius. No. 1,273,067; July 16; v. 252; p. 709.
Rack: *See*—
Blackboard chalk-rack.
Book-rack.
Bottle-rack.
Broom-rack.
Card-rack.
Chip-rack.
Clothes-rack.
Clothes-drying rack.
Coat and hat rack.
Dairy sunning-rack.
Dish-drying rack.
Display-rack.
Distributing-rack.
Extensible rack.
Feed-rack.
Feeding-rack.
File-rack.
Folding laundry-rack.
Goods holding or storing rack.
Gun-rack.
Hanger-rack.
Hat, coat, and trousers rack.
Hay-rack.
Hemp-drying rack.
Hose-rack.
Knockdown magazine-rack.
Ledger-rack.
Loading-rack.
Locking towel-rack.
Mattress and pillow rack.

Rack: *See*—
Pan-rack.
Paper-roll rack.
Plate-rack.
Pool and billiard ball rack.
Pool-ball rack.
Pottery-drying rack.
Printer's chase-rack.
Registering pool-rack.
Screen-wire rack.
Shoe-rack.
Sign-rack.
Stamp-rack.
Stock-rack.
Straw-rack.
Supporting-rack.
Suspension-rack.
Theater-seat hat-rack.
Towel-rack.
Wagon-rack.
Wall-rack.

Rack. M. A. Barr. No. 1,268,313; June 4; v. 251; p. 69.
Rack. G. M. Hall. No. 1,276,905; Aug. 27; v. 253; p. 805.
Rack. J. J. Hasselbach. No. 1,260,537; Mar. 26; v. 248; p. 850.
Rack. F. A. Herrick. No. 1,259,623; Mar. 19; v. 248; p. 552.
Rack. W. A. Hunt. No. 1,259,403; Mar. 12; v. 248; p. 459.
Rack. C. M. Ray. No. 1,267,453; May 28; v. 250; p. 800.
Rack-filling and carton-loading machine, Combined. A. Jedel. No. 1,258,012; Mar. 5; v. 248; p. 18.
Rack or tray for drinking glasses and like purposes. J. C. Darnall. No. 1,263,866; Apr. 23; v. 249; p. 884.
Radial-draft gear. C. F. Meyer. No. 1,286,049; Nov. 26; v. 256; p. 774.
Radial drill. G. F. Werth. No. 1,278,407; Sept. 10; v. 254; p. 316.
Radiating-casing. C. Sonneborn. No. 1,261,637; Apr. 2; v. 249; p. 183.
Radiator. T. V. Buckwalter. No. 1,256,977; Feb. 19; v. 247; p. 622.
Radiator. J. C. Coltrin. No. 1,271,135; July 2; v. 252; p. 107.
Radiator. C. A. Eligh. No. 1,260,352; Mar. 26; v. 248; p. 795.
Radiator. J. M. Fedders. No. 1,263,397; Apr. 23; v. 249; p. 756.
Radiator. J. M. Fedders. No. 1,274,402; Aug. 6; v. 253; p. 17.
Radiator. J. M. Fedders. No. 1,276,197; Aug. 20; v. 253; p. 576.
Radiator. A. W. Finlayson. No. 1,286,978; Dec. 10; v. 257; p. 228.
Radiator. C. M. Jones. No. 1,255,173; Feb. 5; v. 247; p. 17.
Radiator. C. M. Jones. No. 1,280,041; Sept. 24; v. 254; p. 819.
Radiator. M. Kaman. No. 1,265,340; May 7; v. 250; p. 127.
Radiator. H. D. Layman. No. 1,251,898; Jan. 1; v. 246; p. 136.
Radiator. G. H. Lober. No. 1,284,388; Nov. 12; v. 256; p. 279.
Radiator. J. P. May. No. 1,256,919; Feb. 19; v. 247; p. 605.
Radiator. J. P. May. No. 1,256,920; Feb. 19; v. 247; p. 605.
Radiator. C. S. Mooney. No. 1,265,940; May 14; v. 250; p. 324.
Radiator. W. R. Savage. No. 1,267,700; May 28; v. 250; p. 870.
Radiator. F. J. Singer. No. 1,286,433; Dec. 3; v. 257; p. 61.
Radiator. H. Sosskin. No. 1,271,236; July 2; v. 252; p. 137.
Radiator attachment. J. A. McCollum. No. 1,262,074; Apr. 9; v. 249; p. 334.
Radiator attachment. M. A. Scrimgeour. No. 1,274,791; Aug. 6; v. 253; p. 128.
Radiator, Automobile-. J. and I. Fleischman. No. 1,252,794; Jan. 8; v. 246; p. 425.
Radiator, Automobile-. A. F. Masury. No. 1,271,191; July 2; v. 252; p. 124.
Radiator-cap. J. D. Harris. No. 1,277,918; Sept. 3; v. 254; p. 161.
Radiator-cap. W. H. Wadsworth. No. 1,263,490; Apr. 23; v. 249; p. 784.
Radiator-casing. W. M. Fulton. No. 1,256,220; Feb. 12; v. 247; p. 364.
Radiator-casing. W. M. Fulton. No. 1,262,937; Apr. 16; v. 249; p. 607.
Radiator-casing. C. C. Shipp. No. 1,288,236; Dec. 17; v. 257; p. 573.
Radiator, Cellular. E. S. Erickson. No. 1,279,527; Sept. 24; v. 254; p. 672.
Radiator-cores, Machine for forming. G. H. Lober. No. 1,285,260; Nov. 19; v. 256; p. 536.
Radiator-cover. F. M. Cockrell and J. M. Rockwell. No. 1,265,429; May 7; v. 250; p. 153.
Radiator-cover. J. Hook. No. 1,275,923; Aug. 13; v. 253; p. 467.
Radiator-cover. C. E. Price. No. 1,288,183; Dec. 17; v. 257; p. 560.
Radiator-cover and humidifier. C. M. Poetsch. No. 1,284,765; Nov. 12; v. 256; p. 372.
Radiator-dome for pipeless heaters. T. H. Nielsen. No. 1,280,817; Oct. 8; v. 255; p. 222.
Radiator, Electric. R. G. Ledig. No. 1,255,840; Feb. 5; v. 247; p. 210.
Radiator, Electrically-heated. J. J. Rohan. No. 1,276,573; Aug. 20; v. 253; p. 679.
Radiator-filler cap. H. A. Hood. No. 1,258,682; Mar. 12; v. 248; p. 253.
Radiator-filler cap. H. A. Hood. No. 1,286,320; Dec. 3; v. 257; p. 33.
Radiator-fitting. F. Meyers. No. 1,259,427; Mar. 12; v. 248; p. 465.
Radiator foot-rest. B. J. Duehr. No. 1,254,995; Jan. 29; v. 246; p. 1142.
Radiator foot-rest. J. F. Grabill. No. 1,256,128; Feb. 12; v. 247; p. 336.
Radiator foot-rest. H. A. Thexton. No. 1,282,492; Oct. 22; v. 255; p. 747.
Radiator, Gas-. E. Cole. No. 1,269,907; June 18; v. 251; p. 564.
Radiator, Heat-. J. W. Peirce. No. 1,261,160; Apr. 2; v. 249; p. 48.
Radiator heater, Automobile-. W. H. Miller. No. 1,260,238; Mar. 19; v. 248; p. 728.
Radiator-heating apparatus. J. C. Peters. No. 1,260,796; Mar. 26; v. 248; p. 926.
Radiator mounting and inclosing member, Vehicle-. F. R. Fageol. No. 1,263,543; Apr. 23; v. 249; p. 798.
Radiator-mounting for automobiles. G. A. Weidely. No. 1,254,181; Jan. 22; v. 246; p. 876.
Radiator name-plate. H. J. Duckgeischel. No. 1,281,537; Oct. 15; v. 255; p. 450.
Radiator or cooler. C. Sonneborn. No. 1,278,243; Sept. 10; v. 254; p. 273.
Radiator-protector. L. W. Rodehorst. No. 1,262,569; Apr. 9; v. 249; p. 474.
Radiator-protector. J. A. Rothschild. No. 1,257,640; Feb. 26; v. 247; p. 851.
Radiator-protectors, Actuating means for. W. J. Sutcliffe. No. 1,268,297; June 4; v. 251; p. 65.
Radiator-repair device. E. H. Fisher and W. H. Foye. No. 1,254,319; Jan. 22; v. 246; p. 916.
Radiator, Rotary. H. A. Higgins. No. 1,260,194; Mar. 19; v. 248; p. 715.
Radiator, Sectional. F. Gerbi. No. 1,282,213; Oct. 22; v. 255; p. 671.
Radiator-shield. J. R. Hill. No. 1,277,589; Sept. 3; v. 254; p. 71.
Radiator shield or protector. W. C. Farrell. No. 1,254,785; Jan. 29; v. 246; p. 1082.
Radiator sight-gage. I. L. Marks. No. 1,286,046; Nov. 26; v. 256; p. 773.
Radiator, Steam-heated. C. R. Allensby. No. 1,289,052; Dec. 24; v. 257; p. 797.
Radiator-support. W. R. Strickland. No. 1,251,834; Jan. 1; v. 246; p. 119.
Radiator support, Steam-. H. E. Campbell. No. 1,266,210; May 14; v. 250; p. 400.
Radiator suspension. W. J. P. Moore. No. 1,282,451; Oct. 22; v. 255; p. 736.
Radiator unit. J. M. Fedders. No. 1,272,646; July 16; v. 252; p. 592.
Radiator unit. J. M. Fedders. No. 1,274,026; July 30; v. 252; p. 1032.
Radiators and the like, Humidifier for. J. D. Harvey and J. W. Tierney. No. 1,273,780; July 23; v. 252; p. 925.
Radiators, Automatic air-release and humidifier for. C. C. Shipp. No. 1,288,237; Dec. 17; v. 257; p. 573.
Radiators, Dust-collecting attachment for. O. M. Du Brau. No. 1,279,300; Sept. 17; v. 254; p. 586.
Radiators, Foot-rest attachment for. J. Zagora. No. 1,263,724; Apr. 23; v. 249; p. 845.
Radiators, Hanger for wall-. G. I. Chittenden. No. 1,280,397; Oct. 1; v. 255; p. 79.
Radiators, Heating and ventilating casing for. F. D. Sumner. No. 1,264,345; Apr. 30; v. 249; p. 1050.
Radioactive preparation. E. Heydenreich. No. 1,285,704; Nov. 26; v. 256; p. 687.
Radiograph mount and container, Combined. B. L. Spitzer. No. 1,274,804; Aug. 6; v. 253; p. 132.
Radiosignaling, Method and apparatus for. R. A. Weagant. No. 1,273,431; July 23; v. 252; p. 832.
Radiotelegraph transmitting system. O. C. Roos. No. 1,278,507; Sept. 10; v. 254; p. 343.
Radiotelegraph transmitting system. O. C. Roos. No. 1,278,508; Sept. 10; v. 254; p. 343.
Radiotelephony. C. R. Englund. No. 1,258,548; Mar. 5; v. 248; p. 175.
Radium-applicator. G. Kunkle. No. 1,288,048; Dec. 17; v. 257; p. 527.
Radius-rod brace and self-steering device. C. Christiansen. No. 1,272,217; July 9; v. 252; p. 443.
Raft. J. C. Anderson. No. 1,260,618; Mar. 26; v. 248; p. 875.
Raft and the like, Convertible. S. M. Johnson. No. 1,274,273; July 30; v. 252; p. 1102.
Raft, Floating. P. Drocar. No. 1,265,631; May 7; v. 250; p. 205.
Raft, Life-. L. H. Hill. No. 1,283,766; Nov. 5; v. 256; p. 86.
Raft, Log-. G. G. Davis. No. 1,276,181; Aug. 20; v. 253; p. 571.
Rag-clipping machine. O. D. Dion. No. 1,261,368; Apr. 2; v. 249; p. 108.
Rags and the like, Device for feeding. J. S. Jacobs and J. Raymond, Jr. No. 1,258,222; Mar. 5; v. 248; p. 79.

Rail-anchor. T. H. Alfreds. No. 1,270,360; June 25; v. 251; p. 710.
Rail-anchor. T. B. Bowman. No. 1,263,368; Apr. 23; v. 249; p. 748.
Rail-anchor. T. E. Calvert. No. 1,280,389; Oct. 1; v. 255; p. 76.
Rail-anchor. F. W. Cooper and W. H. Yawger. No. 1,276,178; Aug. 20; v. 253; p. 570.
Rail-anchor. H. M. Gillespie. No. 1,273,848; July 30; v. 252; p. 982.
Rail-anchor. H. G. Gillmor. No. 1,254,134; Jan. 22; v. 246; p. 864.
Rail-anchor. H. G. Gillmor. No. 1,261,119; Apr. 2; v. 249; p. 36.
Rail-anchor. H. G. Gillmor. No. 1,278,633; Sept. 10; v. 254; p. 377.
Rail-anchor. E. Laas. No. 1,262,214; Apr. 9; v. 249; p. 375.
Rail-anchor. W. M. Mitchell. No. 1,262,827; Apr. 16; v. 249; p. 576.
Rail-anchor. W. M. Mitchell. No. 1,264,959; May 7; v. 250; p. 24.
Rail-anchor. P. W. Moore. No. 1,254,258; Jan. 22; v. 246; p. 898.
Rail-anchor. A. L. Stanford. No. 1,267,602; May 28; v. 250; p. 842.
Rail-anchor. J. W. Stephenson. No. 1,251,705; Jan 1; v. 246; p. 79.
Rail-anchor. H. G. Warr. No. 1,254,634; Jan. 22; v. 246; p. 1006.
Rail-anchor. H. G. Warr. No. 1,274,825; Aug. 6; v. 253; p. 137.
Rail-anchor. H. Yamasaki. No. 1,284,024; Nov. 5; v. 256; p. 153.
Rail anchor or anticreeper. L. L. Korach. No. 1,265,093; May 7; v. 250; p. 63.
Rail-anchor, Reinforced. B. Wolhaupter. No. 1,279,817; Sept. 24; v. 254; p. 755.
Rail and pocket, Adjustable pool. J. E. Le Cour. No. 1,255,542; Feb. 5; v. 247; p. 125.
Rail and water-gage, Combined hand-. C. O. Rogers. No. 1,281,663; Oct. 15; v. 255; p. 482.
Rail anticreeping device. H. G. Gillmor. No. 1,281,341; Oct. 15; v. 255; p. 397.
Rail-bond. J. R. Brown. No. 1,253,462; Jan. 15; v. 246; p. 652.
Rail-bond. L. P. Crecelius. No. 1,268,328; June 4; v. 251; p. 73.
Rail-bond. W. D. Hamer. No. 1,281,561; Oct. 15; v. 255; p. 455.
Rail-bond. B. C. Kixmiller. No. 1,260,913; Mar. 26; v. 248; p. 956.
Rail-bond, Electric. F. W. Gordon. No. 1,284,090; Nov. 5; v. 256; p. 172.
Rail-bonds, Applying. C. R. Sturdevant. No. 1,275,990; Aug. 13; v. 253; p. 487.
Rail-bonds to rails, Applying. W. P. Bovard. No. 1,277,370; Sept. 3; v. 254; p. 10.
Rail-bonds to rails, Securing. J. E. Slimp. No. 1,276,426; Aug. 20; v. 253; p. 639.
Rail-bonds, Welding. A. B. Herrick. No. 1,287,689; Dec. 17; v. 257; p. 437.
Rail-brace. C. A. Garzoni. No. 1,260,534; Mar. 26; v. 248; p. 850.
Rail-brace. G. Meade. No. 1,257,511; Feb. 26; v. 247; p. 813.
Rail-brace. B. F. Phillips. No. 1,266,985; May 21; v. 250; p. 644.
Rail-brace and tie-plate. B. J. Sammon. No. 1,251,923; Jan. 1; v. 246; p. 143.
Rail-bracer. W. H. Dennis. No. 1,267,990; May 28; v. 250; p. 952.
Rail-brake. O. Freimark. No. 1,273,212; July 23; v. 252; p. 775.
Rail-brake for railway-cars. G. E. Mann. No. 1,279,568; Sept. 24; v. 254; p. 683.
Rail-chair. W. G. Coughlin. No. 1,260,151; Mar. 19; v. 248; p. 703.
Rail-chair. G. A. Deibler. No. 1,262,462; Apr. 9; v. 249; p. 443.
Rail-chair. P. E. Dutcher. No. 1,259,087; Mar. 12; v. 248; p. 369.
Rail-chair. W. L. Finne. No. 1,253,020; Jan. 8; v. 246; p. 492.
Rail-chair. J. J. Johnston and H. McCauley. No. 1,259,870; Mar. 19; v. 248; p. 623.
Rail-chair. A. G. Liebmann. No. 1,279,723; Sept. 24; v. 254; p. 727.
Rail-chair. A. G. Liebmann. No. 1,279,724; Sept. 24; v. 254; p. 728.
Rail-chair. A. G. Liebmann. No. 1,279,725; Sept. 24; v. 254; p. 728.
Rail-chair. A. G. Liebmann. No. 1,279,726; Sept. 24; v. 254; p. 728.
Rail-chair. A. G. Liebmann. No. 1,279,729; Sept. 24; v. 254; p. 729.
Rail-chair and rail-chair fastening. A. G. Liebmann. No. 1,279,727; Sept. 24; v. 254; p. 729.
Rail-chair and splice-plate, Combined. L. Osler. No. 1,281,199; Oct. 8; v. 255; p. 326.
Rail-chair, Composite adjustable. A. G. Liebmann. No. 1,279,722; Sept. 24; v. 254; p. 727.
Rail-chair-fastening device. A. G. Liebmann. No. 1,279,728; Sept. 24; v. 254; p. 729.
Rail-clamp. M. I. Bowen. No. 1,253,133; Jan. 8; v. 246; p. 525.
Rail-clamp. P. Bradburn and W. Chambers. No. 1,272,767; July 16; v. 252; p. 626.
Rail-clamp. J. C. Gray. No. 1,263,551; Apr. 23; v. 249; p. 800.
Rail-clamp, Adjustable. H. Vasdahl. No. 1,252,971; Jan. 8; v. 246; p. 476.
Rail-clip. E. Read. No. 1,252,946; Jan. 8; v. 246; p. 468.
Rail, Compound. A. C. Baker. No. 1,258,976; Mar. 12; v. 248; p. 337.
Rail, Compound. J. K. Boyd. No. 1,265,422; May 7; v. 250; p. 151.
Rail connection. A. J. Rabenseifner. No. 1,268,276; June 4; v. 251; p. 58.
Rail-crossing, Movable. H. J. Yager. No. 1,266,371; May 14; v. 250; p. 442.
Rail-cutting machine. W. G. Evans. No. 1,277,891; Sept. 3; v. 254; p. 154.
Rail-fastener. A. H. Gee. No. 1,283,726; Nov. 5; v. 256; p. 75.
Rail-fastener. J. Hansen. No. 1,265,327; May 7; v. 250; p. 124.
Rail-fastener. M. Kovachich. No. 1,266,488; May 14; v. 250; p. 474.
Rail-fastener. J. G. Rees. No 1,258,460; Mar. 5; v. 248; p. 149.
Rail-fastening. F. L. Castleman. No. 1,259,488; Mar. 19; v. 248; p. 514.
Rail-fastening. S. B. Kull. No. 1,254,608; Jan. 22; v. 246; p. 999.
Rail-fastening. D. Ryan. No. 1,276,576; Aug. 20; v. 253; p. 680.
Rail-fastening. J. R. Steele. No. 1,269,561; June 11; v. 251; p. 434.
Rail-fastening means. H. A. Hacker. No. 1,287,677; Dec. 17; v. 257; p. 434.
Rail-fastening means. H. Harsh. No. 1,263,665; Apr. 23; v. 249; p. 830.
Rail-fastening means. H. Harsh. No. 1,265,907; May 14; v. 250; p. 315.
Rail-fastening means. H. Kovach. No. 1,258,228; Mar. 5; v. 248; p. 81.
Rail-fastening means. M. Reedy. No. 1,285,380; Nov. 19; v. 256; p. 567.
Rail for highways and roads, Cement. J. F. O'Rourke. No. 1,288,664; Dec. 24; v. 257; p. 705.
Rail-frog clamp. J. W. Wickham. No. 1,282,665; Oct. 22; v. 255; p. 795.
Rail-grinder. E. P. Tabor. No. 1,260,475; Mar. 26; v. 248; p. 830.
Rail, Guard-. T. J. Heard. No. 1,272,437; July 16; v. 252; p. 532.
Rail, Guard-. E. Husel. No. 1,285,194; Nov. 19; v. 256; p. 520.
Rail, Hand-. J. M. Brady. No. 1,268,209; June 4; v. 251; p. 39.
Rail, Heat-resisting. G. W. Hofmann. No. 1,262,794; Apr. 16; v. 249; p. 567.
Rail-holding device. W. R. Bell. No. 1,267,960; May 28; v. 250; p. 943.
Rail-holding device. W. H. Decker. No. 1,264,616; Apr. 30; v. 249; p. 1127.
Rail-hook, Self-clamping. R. L. Sprouse. No. 1,261,641; Apr. 2; v. 249; p. 184.
Rail-joint. J. E. Arthur. No. 1,271,532; July 9; v. 252; p. 251.
Rail-joint. W. C. Avis. No. 1,270,768; July 2; v. 252; p. 4.
Rail-joint. J. Bencze and J. Romberger. No. 1,272,607; July 16; v. 252; p. 580.
Rail-joint. A. A. Bull. No. 1,252,392; Jan. 8; v. 246; p. 308.
Rail-joint. G. Coates. No. 1,280,403; Oct. 1; v. 255; p. 80.
Rail-joint. C. P. Doolan. No. 1,261,909; Apr. 9; v. 249; p. 290.
Rail-joint. R. E. Duke. No. 1,278,611; Sept. 10; v. 254; p. 371.
Rail-joint. H. T. Goddin. No. 1,259,730; Mar. 19; v. 248; p. 582.
Rail-joint. C. E. Goldsmith. No. 1,279,858; Sept. 24; v. 254; p. 768.
Rail-joint. E. W. Jansen and J. Wattmann. No. 1,266,597; May 21; v. 250; p. 535.
Rail-joint. M. Kelly. No. 1,279,707; Sept. 24; v. 254; p. 723.
Rail-joint. G. Lance. No. 1,273,505; July 23; v. 252; p. 852.
Rail-joint. T. J. Leahey. No. 1,259,533; Mar. 19; v. 248; p. 527.
Rail-joint. H. F. Lorber. No. 1,252,275; Jan. 1; v. 246; p. 241.
Rail-joint. B. F. Malott. No. 1,258,586; Mar. 5; v. 248; p. 186.
Rail-joint. P. F. Manley. No. 1,285,762; Nov. 26; v. 256; p. 703.
Rail-joint. S. Martenke. No. 1,267,096; May 21; v. 250; p. 675.

Rail-joint. A. R. Martin. No. 1,279,391; Sept. 17; v. 254; p. 612.
Rail-joint. W. W. McClay. No. 1,278,489; Sept. 10; v. 254; p. 337.
Rail-joint. W. H. Mills. No. 1,274,926; Aug. 6; v. 253; p. 166.
Rail-joint. M. S. Monday. No. 1,272,498; July 16; v. 252; p. 549.
Rail-joint. A. T. Palmer. No. 1,281,823; Oct. 15; v. 255; p. 526.
Rail-joint. J. T. Mincher and E. L. Wright. No. 1,284,417; Nov. 12; v. 256; p. 287.
Rail-joint. J. A. Patterson. 1,273,660; July 23; v. 252; p. 895.
Rail-joint. E. E. Mohney and W. Guth. No. 1,277,456; Sept. 3; v. 254; p. 35.
Rail-joint. E. Paulson. No. 1,272,704; July 16; v. 252; p. 609.
Rail-joint. J. Rader. No. 1,253,724; Jan. 15; v. 246; p. 727.
Rail-joint. R. W. Rainey. No. 1,278,504; Sept. 10; v. 254; p. 342.
Rail-joint. H. F. Roach. No. 1,258,249; Mar. 5; v. 248; p. 87.
Rail-joint. H. F. Roach. No. 1,258,252; Mar. 5; v. 248; p. 88.
Rail-joint. G. Rossi. No. 1,266,718; May 21; v. 250; p. 570.
Rail-joint. S. Scalpelli. No. 1,267,279; May 21; v. 250; p. 725.
Rail-joint. R. W. Smith. No. 1,264,568; Apr. 30; v. 249; p. 1114.
Rail-joint. L. Spangler. No. 1,261,639; Apr. 2; v. 249; p. 184.
Rail-joint. H. E. Stampley. No. 1,283,945; Nov. 5; v. 256; p. 133.
Rail-joint. J. W. Stephenson. No. 1,252,368; Jan 1; v. 246; p. 267.
Rail-joint. J. H. Stull. No. 1,268,296; June 4; v. 251; p. 64.
Rail-joint. H. F. Wussow, Jr. No. 1,271,646; July 9; v. 252; p. 284.
Rail joint and brace. T. T. Brust. No. 1,252,231; Jan. 1; v. 246; p. 228.
Rail joint and fastener. S. Kielar. No. 1,257,083; Feb. 19; v. 247; p. 653.
Rail-joint and fish clamping-plate. M. C. Smith. No. 1,259,150; Mar. 12; v. 248; p. 388.
Rail-joint and making same. E. S. Clark. No. 1,265,051; May 7; v. 250; p. 51.
Rail-joint and track-fastener. M. W. Wambaugh. No. 1,274,221; July 30; v. 252; p. 1088.
Rail-joint, Boltless. C. Engelland. No. 1,255,722; Feb. 5; v. 247; p. 176.
Rail-joint brace. C. M. Crocker. No. 1,262,754; Apr. 16; v. 249; p. 556.
Rail-joint, Canted. W. P. Thomson. No. 1,263,818; Apr. 23; v. 249; p. 871.
Rail-joint clamp. W. D. Williams. No. 1,251,605; Jan. 1; v. 246; p. 48.
Rail-joint, Compromise. R. A. Willson. No. 1,279,813; Sept. 24; v. 254; p. 754.
Rail-joint connection. J. Alcorn. No. 1,283,079; Oct. 29; v. 255; p. 921.
Rail-joint connector. T. Powlin. No. 1,282,935; Oct. 29; v. 255; p. 897.
Rail-joint, fish-plate, and brace therefor. J. M. Phinous. No. 1,261,285; Apr. 2; v. 249; p. 83.
Rail-joint, Insulated. H. F. Roach. No. 1,258,250; Mar. 5; v. 248; p. 87.
Rail-joint, Insulated. H. F. Roach. No. 1,258,253; Mar. 5; v. 248; p. 88.
Rail-joint splice-bar. B. G. Braine. No. 1,276,020; Aug. 20; v. 253; p. 525.
Rail joint, Wedge-grip track-. P. F. Duffy. No. 1,281,310; Oct. 15; v. 255; p. 386.
Rail-joint, Welded. E. W. Jansen. No. 1,259,407; Mar. 12; v. 248; p. 460.
Rail-joints, Device for strengthening. E. Vagneux. No. 1,272,877; July 16; v. 252; p. 658.
Rail-joints, Insulation for. H. F. Roach. No. 1,258,251; Mar. 5; v. 248; p. 88.
Rail-layer. P. H. Madden and F. L. Pierce. No. 1,255,193; Feb. 5; v. 247; p. 23.
Rail-locking device. C. Rochelle. No. 1,255,465; Feb. 5; v. 247; p. 101.
Rail-moistener. C. E. Mattison. No. 1,277,236; Aug. 27; v. 253; p. 893.
Rail-plate. E. Anderson. No. 1,261,093; Apr. 2; v. 249; p. 29.
Rail-spike. F. F. Eckert. No. 1,251,488; Jan. 1; v. 246; p. 11.
Rail-splicing. J. W. Clark. No. 1,273,823; July 30; v. 252; p. 975.
Rail, Steel. R. A. Lewis, W. R. Shimer, and W. J. Thomas. No. 1,285,749; Nov. 26; v. 256; p. 699.
Rail structure, Guard-. R. S. Bohannan. No. 1,268,087; June 4; v. 251; p. 5.
Rail-support. E. S. Cobb. No. 1,252,663; Jan. 8; v. 246; p. 387.
Rail-support. B. B. Leustig. No. 1,273,508; July 23; v. 252; p. 853.
Rail-supporting means. J. P. Henry. No. 1,259,096; Mar. 12; v. 248; p. 372.
Rail, Switch-point. B. B. Betts. No. 1,252,538; Jan. 8; v. 246; p. 351.
Rail-tie. G. S. Brackett. No. 1,253,663; Jan. 15; v. 246; p. 709.
Rail-tie. J. W. Bunn. No. 1,264,008; Apr. 23; v. 249; p. 924.
Rail-tie. R. T. Burrill. No. 1,270,691; June 25; v. 251; p. 801.
Rail-tie. W. A. Lucas. No. 1,259,756; Mar. 19; v. 248; p. 590.
Rail-tie. I. Niemi. No. 1,271,516; July 2; v. 252; p. 213.
Rail-tie. P. V. Troupe. No. 1,273,691; July 23; v. 252; p. 902.
Rail tie and fastener. T. W. Felton. No. 1,275,544; Aug. 13; v. 253; p. 361.
Rail tie and fastener. S. Revay. No. 1,266,991; May 21; v. 250; p. 646.
Rail, Tram-. W. H. Puttergill. No. 1,287,096; Dec. 10; v. 257; p. 259.
Rails, Anticreeping device for track-. J. E. Baker. No. 1,255,849; Feb. 12; v. 247; p. 253.
Rails, Apparatus for treating steel. R. A. Lewis and W. J. Thomas. No. 1,285,750; Nov. 26; v. 256; p. 699.
Rails, Bonding. W. E. Huber. No. 1,273,493; July 23; v. 252; p. 849.
Rails, Heat treatment of track-. C. P. Sandberg. No. 1,277,262; Aug. 27; v. 253; p. 900.
Rails, Heat treatment of track-. C. P. Sandberg. No. 1,280,554; Oct. 1; v. 255; p. 123.
Rails, Machine for relaying. J. W. Harris. No. 1,259,093; Mar. 12; v. 248; p. 371.
Rails, Means for bonding. F. C. Lavarack. No. 1,267,673; May 28; v. 250; p. 862.
Rails to the ties and tie-plates, Means for fastening. A. Viëtor. No. 1,256,397; Feb. 12; v. 247; p. 417.
Rails, Treatment of steel. R. A. Lewis, W. R. Shimer, and W. J. Thomas. No. 1,285,748; Nov. 26; v. 256; p. 699.
Railed barrier. D. B. Budin. No. 1,280,614; Oct. 1; v. 255; p. 138.
Railing-base. H. W. Pleister. No. 1,287,426; Dec. 10; v. 257; p. 341.
Railway. C. A. Griffith. No. 1,268,344; June 4; v. 251; p. 78.
Railway. D. Hoffner. No. 1,289,174; Dec. 31; v. 257; p. 851.
Railway. H. W. Sanford. No. 1,268,390; June 4; v. 251; p. 91.
Railway and like signaling. A. Kerr. No. 1,274,719; Aug. 6; v. 253; p. 109.
Railway and like signaling. R. W. Tarrant. No. 1,277,505; Sept. 3; v. 254; p. 48.
Railway and like signaling. R. W. Tarrant. No. 1,280,582; Oct. 1; v. 255; p. 130.
Railway and like wagon tipping mechanism. W. Pattison. No. 1,280,531; Oct. 1; v. 255; p. 116.
Railway and means for laying the same. C. S. Oldroyd. No. 1,288,151; Dec. 17; v. 257; p. 553.
Railway appliance. J. J. Hess. No. 1,258,900; Mar. 12; v. 248; p. 315.
Railway appliance. F. G. Smith. No. 1,252,620; Jan. 8; v. 246; p. 375.
Railway-appliance interlock. S. Cole. No. 1,254,121; Jan. 22; v. 246; p. 860.
Railway, Artificial-stone. H. C. Bunnell. No. 1,263,032; Apr. 16; v. 249; p. 634.
Railway automatic signal. F. W. Hawkins. No. 1,289,468; Dec. 31; v. 257; p. 926.
Railway, Automobile-. W. H. Kimmons. No. 1,264,400; Apr. 30; v. 249; p. 1066.
Railway-ballast, Machine for cleaning. H. D. Pratt. No. 1,272,849; July 16; v. 252; p. 650.
Railway-bed. E. C. Bachfield. No. 1,256,095; Feb. 12; v. 247; p. 325.
Railway block-signal system. W. M. Chapman. No. 1,281,515; Oct. 15; v. 255; p. 444.
Railway block-signaling mea[illegible] Y. Burgess. No. 1,263,371; Apr. 23; v. 249; p. 748.
Railway block system. H. Rowntree. No. 1,278,221; Sept. 10; v. 254; p. 267.
Railway-brake. S. A. Crone. No. 1,272,779; July 16; v. 252; p. 629.
Railway-brake automatic slack-adjuster. K. A. Beckman. No. 1,283,634; Nov. 5; v. 256; p. 51.
Railway-car draft-arm. H. R. Keithley. No. 1,282,852; Oct. 29; v. 255; p. 874.
Railway-cars and the like, Extension-steps for. A. E. Seibert. No. 1,280,562; Oct. 1; v. 255; p. 124.
Railway cattle-gate. T. A. Seay. No. 1,255,801; Feb. 5; v. 247; p. 199.
Railway cattle-guard. H. L. Collings. No. 1,280,404; Oct. 1; v. 255; p. 80.
Railway cattle-guard. J. T. Gidcumb. No. 1,254,322; Jan. 22; v. 246; p. 917.
Railway cattle-guard. C. H. Merritt. No. 1,254,922; Jan. 29; v. 246; p. 1123.
Railway cattle-guard. C. Riley. No. 1,287,752; Dec. 17; v. 257; p. 453.
Railway-clamp. W. A. Campbell. No. 1,261,697; Apr. 2; v. 249; p. 200.

Railway-clamp. M. Zavarkin. No. 1,264,251; Apr. 30; v. 249; p. 1025.
Railway concrete cross-tie. J. R. Matheny. No. 1,263,915; Apr. 23; v. 249; p. 899.
Railway construction. M. H. Madsen. No. 1,272,827; July 16; v. 252; p. 644.
Railway construction. H. M. Ogan. No. 1,278,374; Sept. 10; v. 254; p. 308.
Railway construction. W. H. Wood. No. 1,268,528; June 4; v. 251; p. 130.
Railway-coupling. A. Mehtälä. No. 1,263,584; Apr. 23; v. 249; p. 809.
Railway cross-tie. E. C. Bachfield. No. 1,256,096; Feb. 12; v. 247; p. 326.
Railway cross-tie. O. M. Knox. No. 1,274,897; Aug. 6; v. 253; p. 158.
Railway-crossing. D. L. Amerman. No. 1,282,519; Oct. 22; v. 255; p. 754.
Railway-crossing. C. A. Gordon. No. 1,258,670; Mar. 12; v. 248; p. 250.
Railway-crossing. D. E. Hammer. No. 1,261,519; Apr. 2; v. 249; p. 150.
Railway-crossing. J. Herm. No. 1,253,192; Jan. 8; v. 246; p. 542.
Railway-crossing. J. Herm. No. 1,258,619; Mar. 5; v. 248; p. 196.
Railway-crossing. C. Magerkurth. No. 1,260,693; Mar. 26; v. 248; p. 897.
Railway-crossing. J. Matulaitis. No. 1,275,584; Aug. 13; v. 253; p. 372.
Railway-crossing. L. G. McKam. No. 1,289,499; Dec. 31; v. 257; p. 933.
Railway-crossing. C. C. McManaway. No. 1,287,063; Dec. 10; v. 257; p. 251.
Railway-crossing. M. F. Moore. No. 1,273,085; July 16; v. 252; p. 714.
Railway-crossing attachment. C. Gardner. No. 1,263,549; Apr. 23; v. 249; p. 799.
Railway-crossing, Automatic. W. Lender. No. 1,255,617; Feb. 5; v. 247; p. 146.
Railway-crossing, Automatic silent. V. Schmidt. No. 1,288,222; Dec. 17; v. 257; p. 569.
Railway-crossing-bridging device. G. J. Giannacopoulos. No. 1,259,729; Mar. 19; v. 248; p. 582.
Railway-crossing construction. H. H. Collins. No. 1,256,982; Feb. 19; v. 247; p. 624.
Railway-crossing gate. J. Doser. No. 1,277,201; Aug. 27; v. 253; p. 885.
Railway-crossing gate. V. A. Lillquist. No. 1,254,611; Jan. 22; v. 246; p. 1000.
Railway-crossing gate. J. Omerzo. No. 1,268,050; May 28; v. 250; p. 968.
Railway-crossing gate. S. R. Payne. No. 1,261,433; Apr. 2; v. 249; p. 125.
Railway-crossing gate. C. B. Stockstill. No. 1,260,090; Mar. 19; v. 248; p. 688.
Railway-crossing gate, Automatic. L. E. and H. J. Richendrfer. No. 1,279,910; Sept. 24; v. 254; p. 784.
Railway-crossing-gate-operating mechanism, Automatic. A. G. Simkins. No. 1,282,005; Oct. 15; v. 255; p. 572.
Railway-crossing, Noiseless. M. Fujiura. No. 1,275,240; Aug. 13; v. 253; p. 278.
Railway-crossing, Noiseless. W. L. Harder. No. 1,271,312; July 2; v. 252; p. 158.
Railway-crossing, Noiseless. T. Kitaoka. No. 1,275,267; Aug. 13; v. 253; p. 286.
Railway-crossing safety device. A. J. Paynter. No. 1,280,532; Oct. 1; v. 255; p. 116.
Railway-crossing, Shockless. O. K. Robinson. No. 1,283,911; Nov. 5; v. 256; p. 125.
Railway-crossing signal. W. A. Farmer. No. 1,287,933; Dec. 17; v. 257; p. 498.
Railway-crossing signal. J. Lux. No. 1,274,177; July 30; v. 252; p. 1075.
Railway-crossing signal. W. C. Neahr. No. 1,268,381; June 4; v. 251; p. 89.
Railway-crossing signal, Automatic. J. W. Abney. No. 1,276,155; Aug. 20; v. 253; p. 563.
Railway-crossing signal, Automatic. F. D. McGinley and J. J. Michels. No. 1,254,250; Jan. 22; v. 246; p. 895.
Railway-crossing, Silent. C. Clark. No. 1,283,672; Nov. 5; v. 256; p. 62.
Railway-crossings, Shock-preventing device for. B. Simmons. No. 1,279,028; Sept. 17; v. 254; p. 514.
Railway ditching-machine. P. Jones and R. C. Miller. No. 1,265,088; May 7; v. 250; p. 61.
Railway draft-rigging. J. F. O'Connor. No. 1,288,660; Dec. 24; v. 257; p. 703.
Railway-draft-rigging friction-gear. J. F. O'Connor. No. 1,288,970; Dec. 24; v. 257; p. 777.
Railway electric interlocking system. C. S. Bushnell. No. 1,283,069; Oct. 29; v. 255; p. 934.
Railway electric signaling means. O. M. McLin. No. 1,260,224; Mar. 19; v. 248; p. 724.
Railway freight terminal and system. J. C. Bonner. No. 1,280,144; Oct. 1; v. 255; p. 7.
Railway-frog. J. Alonzo. No. 1,273,983; July 30; v. 252; p. 1021.
Railway-frog. G. F. Jackson. No. 1,274,050; July 30; v. 252; p. 1039.
Railway-gate. J. Dearinger. No. 1,268,690; June 4; v. 251; p. 176.
Railway-gate. H. Ruinello. No. 1,266,321; May 14; v. 250; p. 429.
Railway-gate. S. Swanson. No. 1,285,460; Nov. 19; v. 256; p. 588.
Railway-gate, Automatic. J. Niemiec. No. 1,261,275; Apr. 2; v. 249; p. 80.
Railway-gate, Automatic electrically-operated. I. Bettinardi and A. Talpo. No. 1,269,043; June 11; v. 251; p. 293.
Railway grade-crossing. C. M. Winter. No. 1,279,062; Sept. 17; v. 254; p. 524.
Railway-grade-crossing gate, Automatic. R. J. Davies, Jr. No. 1,283,439; Oct. 29; v. 255; p. 1031.
Railway intersection. E. S. Cobb. No. 1,252,664; Jan. 8; v. 246; p. 388.
Railway intersection. E. S. Cobb. No. 1,257,280; Feb. 19; v. 247; p. 711.
Railway intersection. E. S. Cobb. No. 1,257,812; Feb. 26; v. 247; p. 902.
Railway-joint. N. Najkalyk. No. 1,278,986; Sept. 17; v. 254; p. 504.
Railway-joint. V. A. Newport. No. 1,270,968; July 2; v. 252; p. 62.
Railway joint-tie. R. J. Wells. No. 1,258,837; Mar. 12; v. 248; p. 298.
Railway-line protector. M. J. Hogan. No. 1,284,678; Nov. 12; v. 256; p. 350.
Railway mail-delivery, Apparatus for. L. H. Lloyd. No. 1,281,180; Oct. 8; v. 255; p. 320.
Railway-pass. J. D. Gibbs. No. 1,274,032; July 30; v. 252; p. 1034.
Railway passenger-coaches, Dust and cinder conveyer for. J. W. Malphurs. No. 1,271,918; July 9; v. 252; p. 358.
Railway, Pleasure-. P. W. Cooper and G. A. Schmidt. No. 1,264,159; Apr. 30; v. 249; p. 998.
Railway-rail. W. W. Heck. No. 1,278,922; Sept. 17; v. 254; p. 486.
Railway-rail. H. W. Huffman. No. 1,282,231; Oct. 22; v. 255; p. 677.
Railway-rail. E. J. Stringes. No. 1,269,657; June 18; v. 251; p. 494.
Railway-rail. G. Volz. No. 1,268,188; June 4; v. 251; p. 33.
Railway-rail and joint, Combined. P. Kimack. No. 1,269,714; June 18; v. 251; p. 510.
Railway-rail and support. W. G. Coughlin. No. 1,260,149; Mar. 19; v. 248; p. 702.
Railway-rail and support. W. G. Coughlin. No. 1,260,150; Mar. 19; v. 248; p. 703.
Railway rail and tie. W. N. Sewell. No. 1,282,647; Oct. 22; v. 255; p. 790.
Railway-rail, Compound. W. G. Coughlin. No. 1,260,148; Mar. 19; v. 248; p. 702.
Railway-rail joint. J. A. Hyle and J. W. Herman. No. 1,257,708; Feb. 26; v. 247; p. 871.
Railway-rail joint. J. H. Kossmann. No. 1,268,732; June 4; v. 251; p. 187.
Railway-rail joint. M. Melnizek. No. 1,280,796; Oct. 8; v. 255; p. 216.
Railway-rail joint. E. N. Wallace. No. 1,283,605; Nov. 5; v. 256; p. 43.
Railway-rail splice-bar. T. E. Calvert. No. 1,280,390; Oct. 1; v. 255; p. 77.
Railway-rails, Electrical bond for. J. C. Lincoln. No. 1,261,140; Apr. 2; v. 249; p. 42.
Railway-rails to road-beds, Means for securing. R. Waples. No. 1,260,736; Mar. 26; v. 248; p. 909.
Railway-rails to sleepers, Fastening of. E. Hudson. No. 1,268,464; June 4; v. 251; p. 113.
Railway-rails to ties, Means for fastening. H. E. Harris. No. 1,267,543; May 28; v. 250; p. 825.
Railway-rails, Uniting. J. C. Lincoln. No. 1,281,402; Oct. 15; v. 255; p. 414.
Railway-road-bed construction. J. D. Negus. No. 1,262,548; Apr. 9; v. 249; p. 468.
Railway safety appliance. T. Holt. No. 1,257,866; Feb. 26; v. 247; p. 918.
Railway safety device. T. P. Crawford. No. 1,279,662; Sept. 24; v. 254; p. 711.
Railway safety-signal. W. and B. Swoboda. No. 1,271,831; July 9; v. 252; p. 333.
Railway service, Highway-crossing bell for. E. W. Vogel. No. 1,283,445; Oct. 29; v. 255; p. 1032.
Railway-signal. E. Foster. No. 1,269,919; June 18; v. 251; p. 566.
Railway-signal. E. Gibson. No. 1,266,452; May 14; v. 250; p. 464.
Railway-signal. R. M. Gilson and F. H. Nicholson. No. 1,258,404; Mar. 5; v. 248; p. 132.
Railway signal and train-stop system. J. B. Casselman. No. 1,266,405; May 14; v. 250; p. 451.
Railway signal-circuit. W. W. Wagner. No. 1,253,911; Jan. 15; v. 246; p. 779.
Railway signal device. W. R. Dungan. No. 1,263,871; Apr. 23; v. 249; p. 886.
Railway-signal midway wire-compensator. R. L. Powell. No. 1,272,314; July 9; v. 252; p. 473.
Railway signal system. C. F. Shadle. No. 1,259,789; Mar. 19; v. 248; p. 599.

Railway signaling. H. W. Griffin. No. 1,254,038; Jan. 22; v. 246; p. 835.
Railway signaling. R. A. McCann. No. 1,271,592; July 9; v. 252; p. 267.
Railway signaling. R. A. McCann. No. 1,271,593; July 9; v. 252; p. 268.
Railway signaling. W. W. Talbert. No. 1,263,624; Apr. 23; v. 249; p. 819.
Railway signaling. H. S. Young. No. 1,260,617; Mar. 26; v. 248; p. 875.
Railway signaling system. C. H. Buhl. No. 1,253,208; Jan. 15; v. 246; p. 576.
Railway signaling system. C. L. Fortescue. No. 1,270,806; July 2; v. 252; p. 15.
Railway signaling system. J. B. Harlow. No. 1,257,702; Feb. 26; v. 247; p. 869.
Railway signaling system. J. J. Turner. No. 1,265,142; May 7; v. 250; p. 76.
Railway signaling system. H. A. Wagner. No. 1,264,719; Apr. 30; v. 249; p. 1154.
Railway signaling system. H. A. Wagner. No. 1,264,720; Apr. 30; v. 249; p. 1154.
Railway signaling system and relay adapted for use therein. J. S. Holliday. No. 1,254,139; Jan. 22; v. 246; p. 865.
Railway signaling system, Single-track-. N. D. Preston. No. 1,277,643; Sept. 3; v. 254; p. 87.
Railway signaling track instrument. H. A. and J. A. Hoeschen. No. 1,278,652; Sept. 10; v. 254; p. 382.
Railway-spike. R. P. Madeley. No. 1,272,071; July 9; v. 252; p. 404.
Railway-spike. G. W. Pigott. No. 1,251,566; Jan. 1; v. 246; p. 36.
Railway-spike. M. A. Ricci. No. 1,264,683; Apr. 30; v. 249; p. 1145.
Railway-spike. C. J. Walberg. No. 1,282,333; Oct. 22; v. 255; p. 705.
Railway-spike, Boltless. C. L. Neat. No. 1,275,724; Aug. 13; v. 253; p. 412.
Railway-switch. J. Alexander. No. 1,275,998; Aug. 20; v. 253; p. 519.
Railway-switch. J. Alonzo. No. 1,273,984; July 30; v. 252; p. 1021.
Railway-switch. E. C. Bachfield. No. 1,256,094; Feb. 12; v. 247; p. 325.
Railway-switch. B. B. Betts. No. 1,254,304; Jan. 22; v. 246; p. 912.
Railway-switch. M. Derrech. No. 1,252,788; Jan. 8; v. 246; p. 423.
Railway-switch. R. M. Evans. No. 1,289,713; Dec. 31; v. 257; p. 985.
Railway-switch. F. M. Freeburg. No. 1,259,506; Mar. 19; v. 248; p. 519.
Railway-switch. A. J. McIver. No. 1,278,961; Sept. 17; v. 254; p. 497.
Railway-switch. L. J. Mongel. No. 1,256,717; Feb. 19; v. 247; p. 545.
Railway switch and crossover. P. English. No. 1,253,800; Jan. 15; v. 246; p. 747.
Railway-switch attachment. W. T. Lawlor. No. 1,281,797; Oct. 15; v. 255; p. 518.
Railway-switch, Automatic. F. E. Bahmler. No. 1,254,018; Jan. 22; v. 246; p. 830.
Railway-switch, Automatic. M. L. Brannen. No. 1,278,840; Sept. 17; v. 254; p. 463.
Railway-switch, Automatic. R. A. Gullion. No. 1,254,403; Jan. 22; v. 246; p. 940.
Railway-switch, Automatic. J. Martin. No. 1,259,259; Mar. 12; v. 248; p. 416.
Railway-switch handle, Self-locking. C. Forth. No. 1,275,237; Aug. 13; v. 253; p. 278.
Railway-switch-lever latch. G. H. Starr. No. 1,287,497; Dec. 10; v. 257; p. 357.
Railway-switch mechanism. T. B. Heggie. No. 1,281,567; Oct. 15; v. 255; p. 457.
Railway-switch mechanism. J. D. Isaacs and C. R. Harding. No. 1,274,271; July 30; v. 252; p. 1102.
Railway-switch mechanism. M. L. Shepherd. No. 1,275,773; Aug. 13; v. 253; p. 425.
Railway-switch-operating device. C. G. Justice. No. 1,263,254; Apr. 16; v. 249; p. 696.
Railway-switch structure. H. L. Miller and R. B. Fisher. No. 1,255,455; Feb. 5; v. 247; p. 98.
Railway-switches, Means for operating. J. P. Abernathy. No. 1,255,569; Feb. 5; v. 247; p. 132.
Railway-switches, Trip for. F. Evans and D. Dutt. No. 1,253,802; Jan. 15; v. 246; p. 748.
Railway system, Automatic safety. H. W. Richards. No. 1,268,879; June 11; v. 251; p. 247.
Railway system, Electric-. E. J. Patelski. No. 1,272,844; July 16; v. 252; p. 649.
Railway system, Electric-. E. J. Patelski. No. 1,274,076; July 30; v. 252; p. 1046.
Railway system, Electric-. K. E. Stuart. No. 1,265,829; May 14; v. 250; p. 292.
Railway system, Elevated-. C. E. Padgett. No. 1,255,459; Feb. 5; v. 247; p. 99.
Railway-tie. C. H. Bishop. No. 1,280,376; Oct. 1; v. 255; p. 73.
Railway-tie. J. B. Bouchard, Jr. No. 1,259,827; Mar. 19; v. 248; p. 611.
Railway-tie. J. J. Branagan. No. 1,256,199; Feb. 12; v. 247; p. 358.
Railway-tie. E. M. Cahill. No. 1,261,762; Apr. 9; v. 249; p. 250.
Railway-tie. C. W. Cason, Sr. No. 1,272,008; July 9; v. 252; p. 386.
Railway-tie. J. W. Champion. No. 1,253,784; Jan. 15; v. 246; p. 744.
Railway-tie. L. M. Crary. No. 1,277,390; Sept. 3; v. 254; p. 16.
Railway-tie. L. Duncan. No. 1,254,585; Jan. 22; v. 246; p. 992.
Railway-tie. D. Finn. No. 1,262,764; Apr. 16; v. 249; p. 559.
Railway-tie. A. W. Gould. No. 1,268,235; June 4; v. 251; p. 47.
Railway-tie. J. B. Gressett, Jr. No. 1,273,217; July 23; v. 252; p. 776.
Railway-tie. A. E. Hess. No. 1,277,930; Sept. 3; v. 254; p. 164.
Railway-tie. H. W. Huffman. No. 1,257,868; Feb. 26; v. 247; p. 918.
Railway-tie. M. F. Janney and J. B. Hackley. No. 1,256,236; Feb. 12; v. 247; p. 369.
Railway-tie. P. Jarnowski. No. 1,286,011; Nov. 26; v. 256; p. 765.
Railway-tie. G. A. Le Fevre. No. 1,253,610; Jan. 15; v. 246; p. 694.
Railway-tie. W. A. Lockard. No. 1,259,755; Mar. 19; v. 248; p. 590.
Railway-tie. H. F. Maxim. No. 1,269,949; June 18; v. 251; p. 574.
Railway-tie. N. E. Miner. No. 1,253,862; Jan. 15; v. 246; p. 766.
Railway-tie. E. R. Packer. No. 1,286,749; Dec. 3; v. 257; p. 135.
Railway-tie. J. J. Pruett. No. 1,266,048; May 14; v. 250; p. 354.
Railway-tie. P. W. Rokohl. No. 1,257,123; Feb. 19; v. 247; p. 663.
Railway-tie. H. W. Schlueter. No. 1,273,678; July 23; v. 252; p. 899.
Railway-tie. J. A. Silver. No. 1,281,086; Oct. 8; v. 255; p. 294.
Railway-tie. I. Slack. No. 1,253,896; Jan. 15; v. 246; p. 776.
Railway-tie. W. H. Wadsworth. No. 1,269,345; June 11; v. 251; p. 377.
Railway-tie. M. G. Winters. No. 1,265,572; May 7; v. 250; p. 190.
Railway-tie. G. L. Wood. No. 1,283,011; Oct. 29; v. 255; p. 919.
Railway-tie and fastener. H. L. Lea. No. 1,284,720; Nov. 12; v. 256; p. 361.
Railway-tie and fastener. H. W. Seiber. No. 1,282,299; Oct. 22; v. 255; p. 695.
Railway-tie and rail-fastener. O. Backes. No. 1,256,287; Feb. 12; v. 247; p. 384.
Railway-tie and rail-fastener. W. F. Baker. No. 1,281,894; Oct. 15; v. 255; p. 545.
Railway-tie and rail-fastener. C. Biernat. No. 1,280,644; Oct. 8; v. 255; p. 172.
Railway-tie and rail-fastener. H. J. Bubenheim. No. 1,275,656; Aug. 13; v. 253; p. 393.
Railway-tie and rail-fastener. S. D. Covert. No. 1,276,877; Aug. 27; v. 253; p. 798.
Railway-tie and rail-fastener. W. McNorton. No. 1,282,447; Oct. 22; v. 255; p. 735.
Railway-tie and rail-fastener. G. Raccagni. No. 1,274,592; Aug. 6; v. 253; p. 73.
Railway-tie and rail-fastener. S. Wojtan. No. 1,261,883; Apr. 9; v. 249; p. 283.
Railway-tie and rail-fastener, Metallic. W. R. Gunn. No. 1,264,387; Apr. 30; v. 249; p. 1062.
Railway-tie and rail-fastening, Metallic. A. F. Brown. No. 1,253,779; Jan. 15; v. 246; p. 742.
Railway tie and tie-plate and rod, Combined. A. H. Henderson. No. 1,264,070; Apr. 23; v. 249; p. 941.
Railway-tie, Cement interlocking. K. Botnen. No. 1,264,262; Apr. 30; v. 249; p. 1027.
Railway-tie, Combination. L. L. Wilson. No. 1,265,571; May 7; v. 250; p. 190.
Railway-tie construction. J. Zaliewski. No. 1,283,611; Nov. 5; v. 256; p. 45.
Railway-tie holder. O. De Long. No. 1,252,249; Jan. 1; v. 246; p. 234.
Railway-tie, Metal. M. S. Monday. No. 1,266,139; May 14; v. 250; p. 380.
Railway-tie, Metallic. A. H. Berklite. No. 1,251,624; Jan. 1; v. 246; p. 54.
Railway-tie, Metallic. A. H. Berklite. No. 1,261,095; Apr. 2; v. 249; p. 30.
Railway-tie, Metallic. H. H. Brinkman. No. 1,286,519; Dec. 3; v. 257; p. 83.
Railway-tie, Metallic. D. I. Cowgill. No. 1,260,336; Mar. 26; v. 248; p. 791.
Railway-tie, Metallic. M. Kwiatkowski. No. 1,269,092; June 11; v. 251; p. 307.
Railway-tie, Metallic. C. Ruggaber. No. 1,283,923; Nov. 5; v. 256; p. 128.
Railway-tie mold. J. C. Gray. No. 1,285,682; Nov. 26; v. 256; p. 682.

Railway-tie plate. W. Lafler. No. 1,267,234; May 21; v. 250; p. 714.
Railway-tie plate and rail-fastening. E. M. McVicker. No. 1,260,563; Mar. 26; v. 248; p. 858.
Railway-tie plate and rail-fastening. E. M. McVicker. No. 1,261,577; Apr. 2; v. 249; p. 166.
Railway-ties, Machine for digging out. P. A. Geisler. No. 1,252,564; Jan. 8; v. 246; p. 360.
Railway-track structure. H. Kohlmyer. (Reissue.) No. 14,431; Feb. 12; v. 247; p. 449.
Railway-track structure and making same. G. H. Barbour. No. 1,252,647; Jan. 8; v. 246; p. 383.
Railway-track switch. R. A. McClure, C. H. Reeves, and W. W. Boulton. No. 1,286,042; Nov. 26; v. 256; p. 773.
Railway-track, Temporary sectional. A. Whitcraft. No. 1,281,451; Oct. 15; v. 255; p. 427.
Railway-tracks, Machine for raising and throwing. C. H. De Vey and E. E. Peterson. No. 1,264,376; Apr. 30; v. 249; p. 1059.
Railway-traffic-control apparatus. R. M. Gilson. No. 1,261,510; Apr. 2; v. 249; p. 147.
Railway-traffic-controlling apparatus, Recording mechanism for. F. H. Nicholson. No. 1,256,723; Feb. 19; v. 247; p. 547.
Railway-train-controlling mechanism. W. H. Bennett. No. 1,258,739; Mar. 12; v. 248; p. 268.
Railway-train-despatching circuit. W. Reid. No. 1,266,158; May 14; v. 250; p. 385.
Railway-train stop, Automatic. E. P. Jessop. No. 1,253,042; Jan. 8; v. 246; p. 499.
Railway-trains, Drinking-water apparatus for. B. F. Nixon and J. Sayels. No. 1,268,603; June 4; v. 251; p. 153.
Railway-trains, Electric signaling system for. N. Pignataro. No. 1,266,150; May 14; v. 250; p. 383.
Railway-vehicle motor. C. E. Sargent. No. 1,286,122; Nov. 26; v. 256; p. 791.
Railway-vehicle supply system. K. A. Simmon. No. 1,286,130; Nov. 26; v. 256; p. 793.
Railway-water-tank spout. F. Metzger. No. 1,275,964; Aug. 13; v. 253; p. 478.
Railway-yard. C. H. Ellingwood. No. 1,258,757; Mar. 12; v. 248; p. 273.
Railways, Automatic stop for. D. D. O'Connell. No. 1,253,086; Jan. 8; v. 246; p. 512.
Railways, Building. G. D. Baldwin. No. 1,283,621; Nov. 5; v. 256; p. 47.
Railways, Electrical block-signaling system for. W. S. Nead. No. 1,282,455; Oct. 22; v. 255; p. 737.
Railways, Magnetic controlling device for. A. H. Fox and A. W. Lenderoth. No. 1,261,376; Apr. 2; v. 249; p. 110.
Railways, Means for arresting vehicles on inclined. J. R. L. Allott and E. Dean. No. 1,254,297; Jan. 22; v. 246; p. 910.
Railways or the like, Paint-shop installation for. O. Yamashita. No. 1,285,542; Nov. 19; v. 256; p. 607.
Railways, Overhead contactor for electric. R. A. Fromm. No. 1,287,950; Dec. 17; v. 257; p. 502.
Railways, Portable emergency train flag-stop for. W. E. White, B. Gwatkin, and V. E. Randall. No. 1,279,058; Sept. 17; v. 254; p. 522.
Railways, Signal for mine-. J. A. Muir. No. 1,274,072; July 30; v. 252; p. 1045.
Rain-alarm. R. D. Grafford. No. 1,285,986; Nov. 26; v. 256; p. 759.
Rain-alarm. W. L. Larson. No. 1,253,986; Jan. 15; v. 246; p. 800.
Rain-alarm. A. Odening. No. 1,270,652; June 25; v. 251; p. 791.
Rain-alarm. L. T. Troiano. No. 1,280,116; Sept. 24; v. 254; p. 839.
Rain-alarm, Electric. G. A. Sabol. No. 1,262,391; Apr. 9; v. 249; p. 425.
Rain-coat and cover, Cycle. R. V. Creery. No. 1,270,704; June 25; v. 251; p. 804.
Rain-conductor. D. Dunn. No. 1,270,274; June 25; v. 251; p. 686.
Rain-indicator. H. J. Blackmore. No. 1,280,137; Oct. 1; v. 255; p. 5.
Rain-signal. H. J. Blackmore. No. 1,280,136; Oct. 1; v. 255; p. 5.
Rain-signal. V. Parker. No. 1,272,308; July 9; v. 252; p. 471.
Rain-signal. A. F. W. Viehweger. No. 1,283,989; Nov. 5; v. 256; p. 145.
Rain-water alarm. G. Stachura. No. 1,257,038; Feb. 19; v. 247; p. 640.
Rains by means of sheets of water of slight depth, System of producing heat-. H. Dessoliers. No. 1,252,670; Jan. 8; v. 246; p. 389.
Rainfall, Process and apparatus for procuring and stimulating. J. G. Balsillie. No. 1,284,982; Nov. 19; v. 256; p. 466.
Raisin-treating apparatus. A. P. Shepherd. No. 1,269,966; June 18; v. 251; p. 578.
Raising sunken objects, Means for. J. Clements. No. 1,255,512; Feb. 5; v. 247; p. 115.
Rake: *See*—
Buck-rake.
Conveyer-rake.
Cornstalk-rake.
Garden and lawn rake.
Hand-rake.
Hay-rake.
Self-cleaning rake.
Side-delivery rake.
Sweep-rake.
Rake. E. and J. C. Dalton. No. 1,253,355; Jan. 15; v. 246; p. 620.
Rake. A. J. Hinkle. No. 1,276,915; Aug. 27; v. 253; p. 807.
Rake. J. Jarrett. No. 1,260,906; Mar. 26; v. 248; p. 954.
Rake. F. E. Kohler. No. 1,263,255; Apr. 16; v. 249; p. 696.
Rake. H. F. Lanferman. No. 1,283,816; Nov. 5; v. 256; p. 99.
Rake. H. C. Masterson. No. 1,252,134; Jan. 1; v. 246; p. 203.
Rake. R. E. McIntire. No. 1,278,181; Sept. 10; v. 254; p. 256.
Rake. H. A. and A. C. Quade. No. 1,255,337; Feb. 5; v. 247; p. 64.
Rake. F. D. Simpson. No. 1,279,597; Sept. 24; v. 254; p. 692.
Rake. J. Wallace. No. 1,277,509; Sept. 3; v. 254; p. 49.
Rake attachment, Hand-. R. J. Martin. No. 1,276,671; Aug. 20; v. 253; p. 706.
Rake attachment, Hay-. A. G. Argo. No. 1,272,885; July 16; v. 252; p. 661.
Rake attachment, Push-. A. J. Gibbs. No. 1,276,519; Aug. 20; v. 253; p. 665.
Rake-cleaner. H. Hoel. No. 1,254,041; Jan. 22; v. 246; p. 836.
Rake tooth, Hay-. C. A. Healey. No. 1,258,770; Mar. 12; v. 248; p. 277.
Rake-tooth point, Detachable. W. F. Koch. No. 1,256,809; Feb. 19; v. 247; p. 572.
Rake-tooth tip, Metal. T. K. Barley. No. 1,251,622; Jan. 1; v. 246; p. 53.
Rake-unloading attachment, Sweep-. E. B. Rose. No. 1,252,723; Jan. 8; v. 246; p. 405.
Rakes, Attachment for sweep-. H. M. Russ. No. 1,268,882; June 11; v. 251; p. 248.
Ramming and rock-over machine, Combination jolt-. W. C. Norcross. No. 1,264,427; Apr. 30; v. 249; p. 1074.
Ramming and stripping machine, Combination jolt. W. C. Norcross. No. 1,274,752; Aug. 6; v. 253; p. 117.
Ramming-machine, Jolt. E. H. Mumford. No. 1,259,658; Mar. 19; v. 248; p. 561.
Ramming-machine, Power. J. E. Pritchard. No. 1,275,742; Aug. 13; v. 253; p. 417.
Ramming machine, Sand-. H. E. Rogers and H. B. Harlow. No. 1,263,602; Apr. 23; v. 249; p. 814.
Ramming machines, Valve for jolt-. W. C. Norcross. No. 1,264,428; Apr. 30; v. 249; p. 1074.
Range-boiler. J. J. Butler. No. 1,258,184; Mar. 5; v. 248; p. 68.
Range-burner. O. Falkenwalde. No. 1,286,266; Dec. 3; v. 257; p. 20.
Range, Coal-. J. J. Cunningham. No. 1,263,864; Apr. 23; v. 249; p. 884.
Range, Combined coal and gas. J. C. Bash. No. 1,284,044; Nov. 5; v. 256; p. 159.
Range, Combined coal and gas. R. W. Davenport. No. 1,265,432; May 7; v. 250; p. 154.
Range, Combined coal and gas. A. C. Mott, Jr. No. 1,253,707; Jan. 15; v. 246; p. 723.
Range, Combined gas and solid-fuel. G. A. Tinnerman. No. 1,255,353; Feb. 5; v. 247; p. 69.
Range-door construction. M. and P. Madsen. No. 1,279,737; Sept. 24; v. 254; p. 732.
Range-finder. A. B. Cox. No. 1,273,152; July 23; v. 252; p. 759.
Range-finder. G. Fecker. No. 1,269,171; June 11; v. 251; p. 328.
Range-finder. J. G. Hanks. No. 1,286,609; Dec. 3; v. 257; p. 104.
Range-finder. J. H. Jackson. No. 1,261,236; Apr. 2; v. 249; p. 68.
Range-finder. P. G. Nutting. No. 1,270,545; June 25; v. 251; p. 763.
Range-finder. E. Petterson. No. 1,289,534; Dec. 31; v. 257; p. 942.
Range-finder. C. Simanik. No. 1,288,713; Dec. 24; v. 257; p. 716.
Range-finder, Marine. A. Taylor and P. W. Gray. No. 1,257,765; Feb. 26; v. 247; p. 888.
Range-finder registering mechanism. J. G. Hanks. No. 1,286,608; Dec. 3; v. 257; p. 103.
Range-finders, Optical adjuster for. A. Barr and W. Stroud. No. 1,272,326; July 9; v. 252; p. 475.
Range, Gas-. H. J. Hoover. No. 1,252,575; Jan. 8; v. 246; p. 363.
Range, Gas-. F. P. McCarty. No. 1,257,372; Feb. 26; v. 247; p. 771.
Range, Gas-. F. P. McCarty. No. 1,257,373; Feb. 26; v. 247; p. 771.
Range-lighting appliance, Gas-. N. Zam. No. 1,271,822; July 9; v. 252; p. 331.
Range-rail and drip-pan support. M. and P. Madsen. No. 1,286,376; Dec. 3; v. 257; p. 47.
Ranges, Oven-burner for combined solid and fluid fuel. L. Moore. No. 1,267,576; May 28; v. 250; p. 835.

Ranges, Safety attachment for. F. J. Eble. No. 1,265,183; May 7; v. 250; p. 87.
Ranges, Water-heater for gas-. S. Meledonian. No. 1,266,608; May 21; v. 250; p. 539.
Ranges, Water-reservoir for. L. Scruggs. No. 1,287,466; Dec. 10; v. 257; p. 350.
Rat, mouse, and insect trap. L. Haege. No. 1,286,601; Dec. 3; v. 257; p. 102.
Rat-trap. M. Kaizumi. No. 1,257,244; Feb. 19; v. 247; p. 700.
Rat-trap. J. V. Klein. No. 1,277,949; Sept. 3; v. 254; p. 169.
Rat-trap, Collapsible. C. W. Bartels. No. 1,278,421; Sept. 10; v. 254; p. 320.
Ratan, Treating articles formed of. J. A. Fenton. No. 1,260,973; Mar. 26; v. 248; p. 973.
Ratchet-and-pawl actuating mechanism. L. Mastrangel. No. 1,268,989; June 11; v. 251; p. 278.
Ratchet-brake mechanism. R. H. Blackall. No. 1,252,539; Jan. 8; v. 246; p. 351.
Ratchet device. J. P. Constable. No. 1,283,470; Nov. 5; v. 256; p. 8.
Ratchet-drill. F. P. Sharp. No. 1,255,803; Feb. 5; v. 247; p. 199.
Ratchet drive. W. J. Schlacks. No. 1,288,692; Dec. 24; v. 257; p. 711.
Ratchet mechanism. G. O. Leopold. No. 1,286,360; Dec. 3; v. 257; p. 43.
Ratchet mechanism. J. F. Rude and J. H. Davis. No. 1,259,560; Mar. 19; v. 248; p. 535.
Ratchet mechanism. P. N. Shine. No. 1,282,718; Oct. 22; v. 255; p. 809.
Ratchet mechanism. W. A. Van Berkel. No. 1,261,192; Apr. 2; v. 249; p. 57.
Ratchet-wrench. W. S. Bellows. No. 1,281,484; Oct. 15; v. 255; p. 436.
Ratchet-wrench. J. F. Brior. No. 1,273,726; July 23; v. 252; p. 910.
Ratchet-wrench. E. C. McGuffey. No. 1,258,582; Mar. 5; v. 248; p. 185.
Ratchet-wrench. W. H. Shannon. No. 1,265,533; May 7; v. 250; p. 181.
Ratchet-wrench. H. R. Webb, Jr. No. 1,258,381; Mar. 5; v. 248; p. 125.
Ratchet-wrench, Springless. H. R. Webb, Jr. No. 1,258,382; Mar. 5; v. 248; p. 125.
Razing buildings, scaffolds, and analogous work, Tool for. W. H. Rich. No. 1,270,970; July 2; v. 252; p. 62.
Razor. B. Ames. (Reissue.) No. 14,551; Nov. 19; v. 256; p. 615.
Razor. W. H. Blake. No. 1,273,137; July 23; v. 252; p. 754.
Razor. O. A. Clark. No. 1,274,139; July 30; v. 252; p. 1065.
Razor. G. F. Connors. No. 1,259,724; Mar. 19; v. 248; p. 580.
Razor. J. W. Fischer. No. 1,264,045; Apr. 23; v. 249; p. 934.
Razor. E. L. McCain. No. 1,262,073; Apr. 9; v. 249; p. 334.
Razor, Adjustable safety-. H. Hartman. No. 1,257,079; Feb. 19; v. 247; p. 652.
Razor and blade-holder, Safety-. V. M. Evans. No. 1,288,854; Dec. 24; v. 257; p. 748.
Razor and hair-trimmer, Combination safety-. W. H. Brasier. No. 1,276,022; Aug. 20; v. 253; p. 525.
Razor-blade. T. C. Sheehan. No. 1,266,868; May 21; v. 250; p. 610.
Razor-blade holder. C. Berst. No. 1,257,179; Feb. 19; v. 247; p. 680.
Razor-blade stropper. R. W. Rosendahl. No. 1,281,664; Oct. 15; v. 255; p. 482.
Razor-blade-stropping device. L. L. Furan. No. 1,253,226; Jan. 15; v. 246; p. 581.
Razor blades. Device for cleaning and drying safety-. C. J. Kennedy. No. 1,281,394; Oct. 15; v. 255; p. 412.
Razor-blades, Holder for Gillette and the like. T. M. K. Overland. No. 1,289,888; Dec. 31; v. 257; p. 1028.
Razor-blotter. C. G. Hill. No. 1,284,676; Nov. 12; v. 256; p. 350.
Razor, Detachable-bladed. N. M. Orr and G. D. Snider. No. 1,269,497; June 11; v. 251; p. 418.
Razor hone and strop, Combination. E. B. Gibford. No. 1,257,078; Feb. 19; v. 247; p. 651.
Razor-honing implement. A. Frenette. No. 1,257,692; Feb. 26; v. 247; p. 866.
Razor kit, Safety-. C. M. Gerlach. No. 1,261,733; Apr. 2; v. 249; p. 208.
Razor, Mechanical. J. W. Holterman. No. 1,286,606; Dec. 3; v. 257; p. 103.
Razor, Safety-. W. H. Aldendorf. No. 1,288,463; Dec. 24; v. 257; p. 654.
Razor, Safety-. G. L. Bonham. No. 1,264,605; Apr. 30; v. 249; p. 1124.
Razor, Safety-. A. H. Bryant. No. 1,252,996; Jan. 8; v. 246; p. 485.
Razor, Safety-. F. Cailleteau. No. 1,288,827; Dec. 24; v. 257; p. 743.
Razor, Safety-. O. Cartlidge. No. 1,270,783; July 2; v. 252; p. 8.

Razor, Safety-. O. A. Clark. No. 1,260,144; Mar. 19; v. 248; p. 701.
Razor, Safety-. O. T. Fleury. No. 1,273,842; July 30; v. 252; p. 981.
Razor, Safety-. J. D. Goodwin. No. 1,290,018; Dec. 31; v. 257; p. 1060.
Razor, Safety-. H. W. Greenbrier. No. 1,254,037; Jan. 22; v. 246; p. 835.
Razor, Safety-. F. B. King. No. 1,287,338; Dec. 10; v. 257; p. 319.
Razor, Safety-. J. Kunz and F. Goertz. No. 1,288,049; Dec. 17; v. 257; p. 527.
Razor, Safety-. G. P. Leslie. No. 1,272,816; July 16; v. 252; p. 641.
Razor, Safety-. E. G. Mergenthaler. No. 1,269,299; June 11; v. 251; p. 365.
Razor, Safety-. C. A. Mulder. No. 1,271,352; July 2; v. 252; p. 168.
Razor, Safety-. H. Ostrovsky. No. 1,280,824; Oct. 8; v. 255; p. 223.
Razor, Safety-. J. H. Toal. No. 1,259,931; Mar. 19; v. 248; p. 643.
Razor, Safety-. H. Van den Berg. No. 1,276,712; Aug. 27; v. 253; p. 755.
Razor, Safety-. H. A. Vincent. No. 1,254,093; Jan. 22; v. 246; p. 852.
Razor, Safety-. A. A. Warner. No. 1,271,249; July 2; v. 252; p. 140.
Razor, Safety-. J. Windler. No. 1,262,292; Apr. 9; v. 249; p. 396.
Razor safety device. C. A. Hubbard. No. 1,285,188; Nov. 19; v. 256; p. 519.
Razor-strop. E. Jacobs. No. 1,288,011; Dec. 17; v. 257; p. 518.
Razor-strop swivel. C. E. Peterson. No. 1,274,587; Aug. 6; v. 253; p. 71.
Razor-stropper. B. Trosky. No. 1,262,412; Apr. 9; v. 249; p. 430.
Razor-stropping device. J. Waldheim. No. 1,284,829; Nov. 12; v. 256; p. 388.
Razor-stropping machine. H. J. Jones. No. 1,283,790; Nov. 5; v. 256; p. 92.
Razor-wiping attachment for shaving-mugs. G. H. Akerlund. No. 1,256,282; Feb. 12; v. 247; p. 382.
Razors, Device for stropping safety-. L. Cook. No. 1,284,059; Nov. 5; v. 256; p. 163.
Razors, Moistening attachment for. P. Ganzhorn. No. 1,288,869; Dec. 24; v. 257; p. 752.
Reactance-coil, Polyphase. J. F. Peters. No. 1,253,275; Jan. 15; v. 246; p. 595.
Reading-light. J. P. Sutter. No. 1,284,814; Nov. 12; v. 256; p. 384.
Reading-stand. W. L. Deming. No. 1,257,586; Feb. 26; v. 247; p. 835.
Reading-stand. C. Polyák. No. 1,261,611; Apr. 2; v. 249; p. 175.
Reading-table. L. Blayney. No. 1,254,969; Jan. 29; v. 246; p. 1135.
Reamer. O. Ebert. No. 1,273,752; July 23; v. 252; p. 917.
Reamer. F. L. Lee. No. 1,267,674; May 28; v. 250; p. 862.
Reamer and arbor therefor, Expansion shell-. A. Alexander. No. 1,266,538; May 14; v. 250; p. 488.
Reamer and the like, Connecting-rod. A. A. Martell. No. 1,269,833; June 18; v. 251; p. 544.
Reamer, Expansible. D. H. Dugar. No. 1,265,888; May 14; v. 250; p. 309.
Reamer-head. C. G. Cashman. No. 1,284,593; Nov. 12; v. 256; p. 328.
Reamers, Die for forming. H. H. La Vercombe. No. 1,266,830; May 21; v. 250; p. 601.
Reamers, Making. W. A. Thiele, Jr. No. 1,277,770; Sept. 3; v. 254; p. 123.
Reamers or like tools, Salvaging. S. A. Cogsdill. No. 1,267,514; May 28; v. 250; p. 817.
Reamers, Re-forming. H. H. La Vercombe. No. 1,268,365; June 4; v. 251; p. 84.
Reaming-drill. C. E. Reed. No. 1,284,453; Nov. 12; v. 256; p. 295.
Reaming-machine. W. L. Clark. No. 1,287,636; Dec. 17; v. 257; p. 423.
Reaming-machine, Side. F. A. Stevenson. No. 1,256,073; Feb. 12; v. 247; p. 319.
Reaming-machine, Top. F. A. Stevenson. No. 1,256,072; Feb. 12; v. 247; p. 318.
Reaper. A. C. Sanford. No. 1,259,465; Mar. 12; v. 248; p. 476.
Reaper-switch-control mechanism. A. Grieves. No. 1,257,700; Feb. 26; v. 247; p. 869.
Reapers, Platform-latch for. L. Holland-Letz. No. 1,275,689; Aug. 13; v. 253; p. 402.
Rear-fork construction. W. S. Harley. No. 1,262,786; Apr. 16; v. 249; p. 565.
Reboiler and condensate-purifier. A. E. Krause. No. 1,265,678; May 7; v. 250; p. 218.
Rebound-check. M. C. Krarup. No. 1,258,021; Mar. 5; v. 248; p. 22.
Receiver, Amplifying-. E. S. Pridham and P. L. Jensen. No. 1,266,988; May 21; v. 250; p. 645.
Receiving apparatus, Controlling system for. A. D. Cardwell. No. 1,259,835; Mar. 19; v. 248; p. 613.

Receiving-box, Safety. J. Friedland. No. 1,266,007; May 14; v. 250; p. 342.
Receptacle. W. H. Baugman. No. 1,272,762; July 16; v. 252; p. 625.
Receptacle. J. E. Byrd. No. 1,259,208; Mar. 12; v. 248; p. 403.
Receptacle. J. E. Byrd. No. 1,268,321; June 4; v. 251; p. 72.
Receptacle. W. W. Coleman. No. 1,265,177; May 7; v. 250; p. 85.
Receptacle. H. B. Cranshaw. No. 1,289,680; Dec. 31; v. 257; p. 976.
Receptacle. E. J. Crockett. No. 1,263,646; Apr. 23; v. 249; p. 826.
Receptacle. M. E. Griffith. No. 1,273,480; July 23; v. 252; p. 845.
Receptacle. A. L. Hansen. No. 1,274,878; Aug. 6; v. 253; p. 154.
Receptacle. R. W. Himmelberger. No. 1,272,443; July 16; v. 252; p. 533.
Receptacle. J. Jones. No. 1,258,223; Mar. 5; v. 248; p. 79.
Receptacle. J. Komorous. No. 1,257,614; Feb. 26; v. 247; p. 844.
Receptacle. L. W. Luellen. No. 1,273,891; July 30; v. 252; p. 994.
Receptacle. G. H. Maas. No. 1,273,254; July 23; v. 252; p. 785.
Receptacle. W. H. McNutt. No. 1,277,099; Aug. 27; v. 253; p. 857.
Receptacle. L. S. Minor. No. 1,271,602; July 9; v. 252; p. 270.
Receptacle. H. B. Rich. No. 1,251,921; Jan. 1; v. 246; p. 142.
Receptacle. C. Schock. No. 1,267,910; May 28; v. 250; p. 930.
Receptacle. O. O. Sheline. No. 1,274,613; Aug. 6; v. 253; p. 79.
Receptacle. H. R. Shiffer. No. 1,263,946; Apr. 23; v. 249; p. 909.
Receptacle. C. Stephano. No. 1,262,992; Apr. 16; v. 249; p. 623.
Receptacle and foot-rest, Combined. J. Butcher. No. 1,252,775; Jan. 8; v. 246; p. 420.
Receptacle-carrying device. B. Patterson. No. 1,269,738; June 18; v. 251; p. 516.
Receptacle-closure. C. C. G. Hoyle and G. L. Hart. No. 1,276,768; Aug. 27; v. 253; p. 769.
Receptacle-closure. H. L. Hudson. No. 1,267,076; May 21; v. 250; p. 669.
Receptacle-closure. A. Ingram. No. 1,265,451; May 7; v. 250; p. 160.
Receptacle-closure. J. V. Langhorne. No. 1,265,095; May 7; v. 250; p. 63.
Receptacle-closure. R. A. Russell. No. 1,272,859; July 16; v. 252; p. 653.
Receptacle-closure. J. P. F. White. No. 1,268,904; June 11; v. 251; p. 254.
Receptacle closure, Flexible-. H. Lundqvist. No. 1,277,327; Aug. 27; v. 253; p. 916.
Receptacle-closures, Machine for making. L. R. N. Carvalho. No. 1,254,026; Jan. 22; v. 246; p. 832.
Receptacle-closures, Manufacturing. L. R. N. Carvalho. No. 1,274,138; July 30; v. 252; p. 1064.
Receptacle, Collapsible. N. C. Jackson. No. 1,286,009; Nov. 26; v. 256; p. 764.
Receptacle, Collapsible. E. Messinger. No. 1,252,712; Jan. 8; v. 246; p. 401.
Receptacle, Collapsilble, J. Sketteno. No. 1,274,800; Aug. 6; v. 253; p. 130.
Receptacle-cover. J. F. Lowrance. No. 1,284,390; Nov. 12; v. 256; p. 280.
Receptacle-cover. J. F. Troxler. No. 1,274,819; Aug. 6; v. 253; p. 136.
Receptacle, Flush. C. J. Klein. No. 1,288,922; Dec. 24; v. 257; p. 766.
Receptacle, Folding. J. Higgins. No. 1,277,585; Sept. 3; v. 254; p. 69.
Receptacle, Folding. F. W. Howland. No. 1,253,490; Jan. 15; v. 246; p. 660.
Receptacle, Folding or collapsible. A. Clawson. No. 1,256,112; Feb. 12; v. 247; p. 330.
Receptacle-lining. C. A. Bowron. No. 1,286,516; Dec. 3; v. 257; p. 82.
Receptacle-making machine. E. J. Crockett. No. 1,266,772; May 21; v. 250; p. 585.
Receptacle, Non-refillable. M. de M. Arrioja. No. 1,255,572; Feb. 5; v. 247; p. 133.
Receptacle-stopper. W. P. Adams. No. 1,289,352; Dec. 31; v. 257; p. 896.
Receptacle, Transporting and dispensing. J. F. Zimmer. No. 1,286,484; Dec. 3; v. 257; p. 75.
Receptacle, Window-. D. Gaynor. No. 1,285,116; Nov. 19; v. 256; p. 500.
Receptacles, Apparatus for emptying. J. W. Cox. No. 1,283,090; Oct. 29; v. 255; p. 939.
Receptacles, Hermetic closure for. W. A. Lorenz. No. 1,283,830; Nov. 5; v. 256; p. 103.
Receptacles, Hermetic closure for. W. A. Lorenz. No. 1,286,680; Dec. 3; v. 257; p. 120.
Receptacles, Making. E. J. Crockett. No. 1,263,647; Apr. 23; v. 249; p. 826.
Receptacles, Means for reinforcing open ends of metallic. C. F. Schriner. No. 1,256,933; Feb. 19; v. 247; p. 609.
Receptacles, Spring-tensioned closure for. L. D. Whitaker. No. 1,252,870; Jan. 8; v. 246; p. 444.
Reciprocating engine. M. Savio. No. 1,260,816; Mar. 26; v. 248; p. 931.
Reciprocating machine elements, Guiding device for. G. von Post. No. 1,256,748; Feb. 19; v. 247; p. 554.
Reciprocating mechanism. C. L. Miller. No. 1,280,269; Oct. 1; v. 255; p. 43.
Reciprocating mechanism and system of motor control therefor. W. Foster. No. 1,252,897; Jan. 8; v. 246; p. 453.
Reciprocating motor. H. J. Murray. No. 1,268,265; June 4; v. 251; p. 55.
Reciprocating safety-switch. H. S. Tittle. No. 1,263,150; Apr. 16; v. 249; p. 669.
Recirculation system. C. Bollinger. No. 1,254,650; Jan. 29; v. 246; p. 1039.
Reclaiming and conveying apparatus. F. L. Stuart. No. 1,271,493; July 2; v. 252; p. 206.
Reclaiming and elevating apparatus. F. L. Stuart. No. 1,272,564; July 16; v. 252; p. 567.
Reclaiming apparatus. F. L. Stuart. No. 1,272,563; July 16; v. 252; p. 566.
Reclearer device. L. Bacho. No. 1,264,750; Apr. 30; v. 249; p. 1162.
Reclining-chair. E. M. Brown. No. 1,279,979; Sept. 24; v. 254; p. 802.
Reclining-chair. W. T. Giberson. No. 1,287,958; Dec. 17; v. 257; p. 504.
Reclining-chair. L. J. Small. No. 1,288,716; Dec. 24; v. 257; p. 717.
Reclining-chair. M. Thum. No. 1,279,943; Sept. 24; v. 254; p. 792.
Record-filing device, Disk-. G. E. Bender. No. 1,252,078; Jan. 1; v. 246; p. 187.
Record-rest. G. E. Smith. No. 1,263,136; Apr. 16; v. 249; p. 665.
Record-strip composing or preparing machine. E. E. Sumner. No. 1,283,958; Nov. 5; v. 256; p. 136.
Record-supporting table, Automatically-acting multiple-. L. R. Gilbert. No. 1,269,175; June 11; v. 251; p. 329.
Recorder: *See*—
Automobile-service recorder.
Compression-recorder.
Fare-recorder.
Fluid-pressure recorder.
Graphical recorder.
Locomotive signal-recorder.
Machine-recorder.
Maximum-demand recorder.
Pressure-recorder.
Profile-recorder.
Speed-recorder.
Tank-level recorder.
Telegraphic-message recorder.
Telephone-call recorder.
Time-recorder.
Water-stage recorder.
Recorder. E. B. McCormick. No. 1,266,292; May 14; v. 250; p. 421.
Recorder. E. Pickering. No. 1,282,125; Oct. 22; v. 255; p. 648.
Recording and compiling statistical data, Apparatus for. W. B. Clark and F. J. Pritchard. No. 1,261,490; Apr. 2; v. 249; p. 140.
Recording apparatus. J. A. Cole. No. 1,283,084; Oct. 29; v. 255; p. 938.
Recording apparatus. J. A. Cole. No. 1,283,085; Oct. 29; v. 255; p. 938.
Recording apparatus. J. A. Cole. No. 1,286,234; Dec. 3; v. 257; p. 13.
Recording apparatus. J. A. Cole. No. 1,286,537; Dec. 3; v. 257; p. 87.
Recording device. R. C. Bradley. No. 1,255,698; Feb. 5; v. 247; p. 168.
Recording device. R. H. Croninger. No. 1,263,530; Apr. 23; v. 249; p. 795.
Recording device. R. H. Croninger. No. 1,263,862; Apr. 23; v. 249; p. 884.
Recording device. C. A. and C. P. Jeske. No. 1,275,263; Aug. 13; v. 253; p. 284.
Recording device. T. A. Keefer. No. 1,273,114; July 16; v. 252; p. 721.
Recording device. H. H. Williams. No. 1,284,521; Nov. 12; v. 256; p. 311.
Recording device, Watchman's. W. J. Tidd. No. 1,283,361; Oct. 29; v. 255; p. 1011.
Recording-gage. C. E., Jr., and E. W. Stevens. No. 1,253,438; Jan. 15; v. 246; p. 646.
Recording instrument. R. P. Brown. No. 1,285,919; Nov. 26; v. 256; p. 742.
Recording instrument. E. J. Heitman. No. 1,256,130; Feb. 12; v. 247; p. 336.
Recording instrument. E. H. Messiter. No. 1,255,202; Feb. 5; v. 247; p. 26.
Recording instrument, Graphic. R. C. Lamphier. No. 1,258,918; Mar. 12; v. 248; p. 320.
Recording instruments, Driving mechanism for graphic. O. White. No. 1,282,664; Oct. 22; v. 255; p. 794.
Recording-lock. A. Knistrom. No. 1,253,051; Jan. 8; v. 246; p. 501.
Recording-machines, Carriage-operating mechanism for. W. H. Brown. No. 1,285,014; Nov. 19; v. 256; p. 475.
Recording mechanism. J. T. Howieson. No. 1,260,543; Mar. 26; v. 248; p. 852.

Recording mechanism. J. T. Howieson. No. 1,265,662; May 7; v. 250; p. 214.
Recording mechanism. J. F. O'Connor. No. 1,255,919; Feb. 12; v. 247; p. 273.
Recording mechanism. J. F. O'Connor. No. 1,262,083; Apr. 9; v. 249; p. 337.
Recording mechanism. J. F. O'Connor. No. 1,265,489; May 7; v. 250; p. 169.
Recording mechanism. J. R. Peirce. No. 1,260,705; Mar. 26; v. 248; p. 900.
Recording mechanism. J. C. Warren. No. 1,255,250; Feb. 5; v. 247; p. 39.
Recording-register. J. A. Howe. No. 1,251,889; Jan. 1; v. 246; p. 134.
Rectal dilator. T. J. Flack. No. 1,271,456; July 2; v. 252; p. 195.
Rectal dilator, Adjustable. T. J. Flack. No. 1,267,066; May 21; v. 250; p. 667.
Rectifier. G. S. Meikle. No. 1,266,517; May 14; v. 250; p. 482.
Rectifier-equalizing system. C. L. Fortescue. No. 1,270,805; July 2; v. 252; p. 14.
Rectifier, Mechanical. A. W. Winterborne. No. 1,254,758; Jan. 29; v. 246; p. 1072.
Rectifier system. K. A. Simmon. No. 1,281,863; Oct. 15; v. 255; p. 537.
Rectifiers, Vacuum regulation for. H. A. Newcomb. No. 1,251,562; Jan. 1; v. 246; p. 35.
Rectifying system. F. W. Meyer. No. 1,253,267; Jan. 15; v. 246; p. 593.
Rectifying system. F. W. Meyer. No. 1,286,050; Nov. 26; v. 256; p. 774.
Recuperator-furnace. W. H. Stubblebine. No. 1,279,932; Sept. 24; v. 254; p. 789.
Redoubt for military use, Portable. F. W. Cunard. No. 1,262,926; Apr. 16; v. 249; p. 605.
Reducing agent and producing same. C. S. Bradley. No. 1,253,775; Jan. 15; v. 246; p. 742.
Reducing-machines, Cage for. M. F. Williams. No. 1,275,346; Aug. 13; v. 253; p. 308.
Reducing-machines, Cage for. M. F. Williams. No. 1,275,347; Aug. 13; v. 253; p. 308.
Reduction apparatus. P. J. MacDonald. No. 1,264,832; Apr. 30; v. 249; p. 1184.
Reed, ratan, or similar materials, Article made from. G. E. Pfennighausen and G. Okerfelt. No. 1,283,289; Oct. 29; v. 255; p. 991.
Reel: *See*—
Cloth-reel.
Clothes-line reel.
Electric reel.
Feed-reel.
Film-reel.
Fish-line reel.
Fishing-reel.
Harvester-reel.
Hose-reel.
Key-chain reel.
Knitter's reel.
Line-reel.
Line-drying reel.
Paper-reel.
Picture-reel.
Picture-film reel.
Rope-reel.
Sewing-machine tape-reel.
Spring-reel.
Tape-measure reel.
Truck-reel.
Winding-reel.
Wire-reel.
Wire-coil supply-reel.
Yarn-reel.
Reel. C. I. Dailey. No. 1,259,725; Mar. 19; v. 248; p. 581.
Reel. D. F. Green. No. 1,264,636; Apr. 30; v. 249; p. 1133.
Reel. J. B. Green. No. 1,264,918; May 7; v. 250; p. 12.
Reel. J. B. Green. No. 1,271,308; July 2; v. 252; p. 156.
Reel. W. V. Heim. No. 1,277,582; Sept. 3; v. 254; p. 69.
Reel. D. Madill. No. 1,281,802; Oct. 15; v. 255; p. 520.
Reel. F. J. Moser. (Reissue.) No. 14,543; Oct. 29; v. 255; p. 1034.
Reel. G. F. Rogers. No. 1,261,625; Apr. 2; v. 249; p. 179.
Reel support and turner. G. J. Cass. No. 1,266,404; May 14; v. 250; p. 450.
Reels, Swift-brace for. M. E. Keeley. No. 1,264,942; May 7; v. 250; p. 19.
Refining apparatus. W. O. Snelling. No. 1,259,679; Mar. 19; v. 248; p. 567.
Refining-engine. E. A. Jones and R. J. Marx. No. 1,272,453; July 16; v. 252; p. 536.
Reflecting apparatus. A. L. Croxton. No. 1,256,522; Feb. 19; v. 247; p. 489.
Reflector. A. Ames, Jr. No. 1,280,626; Oct. 8; v. 255; p. 168.
Reflector. W. A. Cochrane. No. 1,251,477; Jan. 1; v. 246; p. 8.
Reflector. C. W. Cole. No. 1,259,364; Mar. 12; v. 248; p. 447.
Reflector. P. I. Greenleaf. No. 1,287,968; Dec. 17; v 257; p. 506.
Reflector. H. W. Hess. No. 1,258,007; Mar. 5; v. 248; p. 17.
Reflector. E. G. Johanson. No. 1,260,387; Mar. 26; v. 248; p. 806.
Reflector. G. W. Pelton. No. 1,253,274; Jan. 15; v. 246; p. 595.
Reflector and making same. W. Bausch and C. G. Haering. No. 1,285,901; Nov. 26; v. 256; p. 738.
Reflector, Detachable. O. M. Otte. No. 1,255,039; Jan. 29; v. 246; p. 1154.
Reflector, Floodlight-. P. S. Bailey. No. 1,281,752; Oct. 15; v. 255; p. 506.
Reflector for lighting units. E. F. Guth. No. 1,257,222; Feb. 19; v. 247; p. 692.
Reflector, Image-. G. L. Curtis. No. 1,260,341; Mar. 26; v. 248; p. 792.
Refractometer. N. A. Shigon. No. 1,270,336; June 25; v. 251; p. 705.
Refractory and making same. J. O. Handy and R. M. Isham. No. 1,270,818; July 2; v. 252; p. 18.
Refractory article. F. J. Tone. No. 1,289,578; Dec. 31 v. 257; p. 952.
Refractory article. F. J. Tone. No. 1,289,966; Dec. 31; v. 257; p. 1047.
Refractory article and making the same. S. C. Linbarger. No. 1,277,227; Aug. 27; v. 253; p. 891.
Refractory container. J. B. Owens. No. 1,286,747; Dec. 3: v. 257; p. 134.
Refractory material. J. M. Allen. No. 1,275,354; Aug. 13; v. 253; p. 310.
Refractory material and making same. J. O. Handy and R. M. Isham. No. 1,270,819; July 2; v. 252; p. 18.
Refractory material and making same. C. B. Stowe. No. 1,265,545; May 7; v. 250; p. 183.
Refractory product. L. P. Kraus, Jr. No. 1,289,049; Dec. 24; v. 257; p. 796.
Refrigerant and other fluid circulating apparatus, Safety construction for. G. P. Carroll. No. 1,273,577; July 23; v. 252; p. 872.
Refrigerating and cooling device. M. Summers and W. R. Viles. No. 1,279,608; Sept. 24; v. 254; p. 695.
Refrigerating and dispensing device. H. S. Falkinburg. No. 1,285,086; Nov. 19; v. 256; p. 493.
Refrigerating and hardening cabinet. V. L. King. No. 1,269,716; June 18; v. 251; p. 511.
Refrigerating apparatus. A. P. Anderson. No. 1,284,964; Nov. 19; v. 256; p. 460.
Refrigerating apparatus. A. P. Anderson. No. 1,284,965; Nov. 19; v. 256; p. 461.
Refrigerating apparatus. O. E. Bornhauser. No. 1,255,286; Feb. 5; v. 247; p. 49.
Refrigerating apparatus. O. E. Bornhauser and J. E. Herman. No. 1,255,505; Feb. 5; v. 247; p. 113.
Refrigerating apparatus. S. C. Carty. No. 1,277,192; Aug. 27; v. 253; p. 883.
Refrigerating apparatus. M. F. Ewen. No. 1,255,723; Feb. 5; v. 247; p. 177.
Refrigerating apparatus. M. F. Ewen and A. L. S. McCurdy. No. 1,259,006; Mar. 12; v. 248; p. 347.
Refrigerating apparatus. E. F. Fisher. No. 1,282 207; Oct. 22; v. 255; p. 669.
Refrigerating apparatus. C. C. Hansen. No. 1,259,014; Mar. 12; v. 248; p. 349.
Refrigerating apparatus. F. Knoerr. No. 1,269,612; June 18; v. 251; p. 482.
Refrigerating apparatus. G. A. Kramer. No. 1,281,027; Oct. 8; v. 255; p. 277.
Refrigerating apparatus. B. S. McClellan. No. 1,254,519; Jan. 22; v. 246; p. 973.
Refrigerating apparatus. H. A. Parkyn. No. 1,267,797; May 28; v. 250; p. 897.
Refrigerating apparatus. W. A. Richter and E. S. H. Baars. No. 1,256,730; Feb. 19; v. 247; p. 549.
Refrigerating apparatus. T. J. Sheehan. No. 1,289,559; Dec. 31; v. 257; p. 948.
Refrigerating apparatus. T. J. Sheehan. No. 1,289,560; Dec. 31; v. 257; p. 948.
Refrigerating apparatus. M. Tibbetts. No. 1,276,450; Aug. 20; v. 253; p. 646.
Refrigerating apparatus. O. E. Ves Sells. No. 1,272,735; July 16; v. 252; p. 617.
Refrigerating apparatus, and oil separator and condenser mechanism therefor. B. S. McClellan. No. 1,254,518; Jan. 22; v. 246; p. 972.
Refrigerating apparatus, Compressor for. F. J. Heideman. No. 1,273,366; July 23; v. 252; p. 815.
Refrigerating apparatus, Condenser for. E. C. Underwood and W. C. Moore. No. 1,272,730; July 16; v. 252; p. 616.
Refrigerating-apparatus-controlling means. J. H. Coesfeld. No. 1,270,928; July 2; v. 252; p. 50.
Refrigerating composition. F. G. Keyes. No. 1,267,772; May 28; v. 250; p. 890.
Refrigerating device. J. H. Sauers. No. 1,264,866; Apr. 30; v. 249; p. 1193.
Refrigerating-machine. S. R. Bell. No. 1,289,613; Dec. 31; v. 257; p. 961.
Refrigerating-machine. D. I. Davis. No. 1,280,101; Sept. 24; v. 254; p. 835.
Refrigerating-machine. F. G. Keyes. No. 1,277,085; Aug. 27; v. 253; p. 854.
Refrigerating-machine. G. J. Zisch. No. 1,282,516; Oct. 22; v. 255; p. 753.
Refrigerating-machine, Centrifugal. V. J. Goetz. No. 1,253,026; Jan. 8; v. 246; p. 494.
Refrigerating-machine, Electric-driven. H. Zoelly. No. 1,263,633; Apr. 23; v. 249; p. 822.
Refrigerating-machine, Rotary. C. Orr. No. 1,273,653; July 23; v. 252; p. 893.
Refrigerating-machine, Rotary. C. Orr. No. 1,281,820; Oct. 15; v. 255; p. 525.

Refrigerating-machine, Rotary. C. Orr. No. 1,281,821; Oct. 15; v. 255; p. 525.
Refrigerating or ice-making apparatus. T. Shipley. No. 1,253,895; Jan. 15; v. 246; p. 775.
Refrigeration. E. A. W. Jefferies. No. 1,264,807; Apr. 30; v. 249; p. 1177.
Refrigeration. F. G. Keyes. No. 1,251,538; Jan. 1; v. 246; p. 27.
Refrigeration. F. G. Keyes. No. 1,258,017; Mar. 5; v. 248; p. 20.
Refrigeration. J. L. Merrill. No. 1,260,427; Mar. 26; v. 248; p. 817.
Refrigeration. F. E. Norton. No. 1,264,845; Apr. 30; v. 249; p. 1188.
Refrigeration apparatus. J. Barry and E. Dion. No. 1,262,161; Apr. 9; v. 249; p. 361.
Refrigeration apparatus. G. A. Kramer. No. 1,280,765; Oct. 8; v. 255; p. 207.
Refrigeration apparatus. F. B. Riley. No. 1,277,124; Aug. 27; v. 253; p. 865.
Refrigeration, Process of and apparatus for. J. C. Bertsch. No. 1,265,037; May 7; v. 250; p. 47.
Refrigerator. C. T. Adair. No. 1,275,191; Aug. 13; v. 253; p. 265.
Refrigerator. P. H. Baker. No. 1,275,828; Aug. 13; v. 253; p. 441.
Refrigerator. H. Carlson. No. 1,268,791; June 4; v. 251; p. 205.
Refrigerator. L. S. Chadwick. No. 1,281,909; Oct. 15; v. 255; p. 549.
Refrigerator. W. W. Douglass. No. 1,288,394; Dec. 17; v. 257; p. 610.
Refrigerator. S. M. Fulton. No. 1,272,937; July 16; v. 252; p. 675.
Refrigerator. A. K. Gillespie. No. 1,252,565; Jan. 8; v. 246; p. 360.
Refrigerator. G. J. Gruendler. No. 1,266,679; May 21; v. 250; p. 559.
Refrigerator. J. T. Harris. No. 1,264,180; Apr. 30; v. 249; p. 1004.
Refrigerator. H. H. Hillman. No. 1,272,804; July 16; v 252; p. 637.
Refrigerator. S. T. Hopkins. No. 1,279,869; Sept. 24; v. 254; p. 771.
Refrigerator. G. C. Kerr. No. 1,278,165; Sept. 10; v. 254; p. 252.
Refrigerator. C. A. Ketterer. No. 1,288,031; Dec. 17; v. 257; p. 523.
Refrigerator. R. H. Krall. No. 1,254,513; Jan. 22; v. 246; p. 971.
Refrigerator. J. B. Lacy. No. 1,271,482; July 2; v. 252; p. 203.
Refrigerator. A. J. McArthur. No. 1,285,277; Nov. 19; v. 256; p. 540.
Refrigerator. H. H. Piper. No. 1,282,931; Oct. 29; v. 255; p. 895.
Refrigerator. T. E. Pugh. No. 1,289,909; Dec. 31; v. 257; p. 1034.
Refrigerator. F. M. Salmon. No. 1,283,926; Nov. 5; v. 256; p. 128.
Refrigerator. D. J. Seibert. No. 1,254,367; Jan. 22; v. 246; p. 930.
Refrigerator. W. D. Sinclair. No. 1,286,192; Nov. 26; v. 256; p. 809.
Refrigerator. G. F. Tripp. No. 1,265,552; May 7; v. 250; p. 185.
Refrigerator. J. Welch. No. 1,275,511; Aug. 13; v. 253; p. 352.
Refrigerator. M. Zavarkin. No. 1,283,017; Oct. 29; v. 255; p. 921.
Refrigerator attachment. D. Stanford. No. 1,288,731; Dec. 24; v. 257; p. 720.
Refrigerator, Automatic absorber-. E. S. Halsey. No. 1,273,364; July 23; v. 252; p. 814.
Refrigerator-boxes, Cooling-coil for. W. Ehmke. No. 1,273,162; July 23; v. 252; p. 761.
Refrigerator construction. F. J. M. Curran. No. 1,274,389; Aug. 6; v. 253; p. 12.
Refrigerator construction. H. J. Gwyer. No. 1,266,794; May 21; v. 250; p. 591.
Refrigerator, Counter-. C. J. Koch. No. 1,289,815; Dec. 31; v. 257; p. 1010.
Refrigerator-door. G. C. Bohn. No. 1,263,843; Apr. 23; v. 249; p. 878.
Refrigerator-door fastener. F. N. Perkins. No. 1,257,522; Feb. 26; v. 247; p. 816.
Refrigerator-machines, Safety device for. M. Lupinski. No. 1,280,259; Oct. 1; v. 255; p. 40.
Refrigerator, Revolving. J. Kosmerl. No. 1,282,241; Oct. 22; v. 255; p. 680.
Refrigerator, Water-cooled. F. A. Gercich and J. J. Vaughn. No. 1,262,940; Apr. 16; v. 249; p. 608.
Refrigerator, Window-. C. C. Silverton. No. 1,280,109; Sept. 24; v. 254; p. 837.
Refrigerators, Ice-chamber for. J. Broekema. No. 1,275,212; Aug. 13; v. 253; p. 270.
Refuse-burner. F. F. Hopkins. No. 1,276,920; Aug. 27; v. 253; p. 809.
Refuse-destructor. G. Watson. No. 1,270,574; June 25; v. 251; p. 771.
Refuse-incinerator. E. Kener, Jr. No. 1,263,432; Apr. 23; v. 249; p. 767.
Refuse, Treating. H. G. Begemann. No. 1,263,512; Apr. 23; v. 249; p. 790.
Regenerating-furnace. C. E. Duncan. No. 1,283,117; Oct. 29; v. 255; p. 946.
Regenerative furnace. T. F. Baily and F. T. Cope. No. 1,286,907; Dec. 10; v. 257; p. 211.
Regenerative furnace. A. L. Stevens. No. 1,282,649; Oct. 22; v. 255; p. 790.
Register: *See*—
Air-register.
Autographic register.
Cash-register.
Check-register.
Fare-register.
Floor-register.
Hot-air register.
Laundry-register.
Lumber-register.
Manifolding-register.
Printing-register.
Recording-register.
Telephone-call-service register.
Telephone time-register.
Well-depth register.
Register. H. E. Clover. No. 1,265,055; May 7; v. 250; p. 51.
Register. W. C. Fowler. No. 1,260,658; Mar. 26; v. 248; p. 887.
Register. C. S. Hood. No. 1,276,063; Aug. 20; v. 253; p. 538.
Register. W. N. Howden. No. 1,286,006; Nov. 26; v. 256; p. 764.
Register. E. A. Slye. No. 1,261,449; Apr. 2; v. 249; p. 129.
Register. C. G. Surber. No. 1,283,959; Nov. 5; v. 256; p. 137.
Register attachment. M. H. Mann. No. 1,273,895; July 30; v. 252; p. 996.
Register border, Warm-air-. W. T. Truax. No. 1,256,489; Feb. 12; v. 247; p. 443.
Register-operating mechanism. N. Albergamo. No. 1,257,443; Feb. 26; v. 247; p. 791.
Registering and money-paying machine. A. E. Sorum and R. T. Brockman. No. 1,257,143; Feb. 19; v. 247; p. 669.
Registering and recording device. J. G. Roberts. No. 1,276,570; Aug. 20; v. 253; p. 679.
Registering apparatus. J. B. Davis. No. 1,275,865; Aug. 13; v. 253; p. 451.
Registering apparatus. L. E. Flavell and C. S. Priest. No. 1,256,459; Feb. 12; v. 247; p. 434.
Registering apparatus for voting or the like. B. L. Bobroff. No. 1,281,901; Oct. 15; v. 255; p. 547.
Registering appliance. M. H. Merrill. No. 1,283,854; Nov. 5; v. 256; p. 110.
Registering device. P. Brasher. No. 1,262,742; Apr. 16; v. 249; p. 552.
Registering device. G. A. Long. No. 1,285,264; Nov. 19; v. 256; p. 537.
Registering device. A. D. Reese. No. 1,264,439; Apr. 30; v. 249; p. 1078.
Registering device, Automatic. B. F. Ranch. No. 1,273,273; July 23; v. 252; p. 790.
Registering instrument. R. F. Schneider. No. 1,278,761; Sept. 10; v. 254; p. 411.
Registering-machine. M. H. Mann. No. 1,288,095; Dec. 17; v. 257; p. 539.
Registering-measure, Multiple-piston. A. A. Bowser. No. 1,270,002; June 18; v. 251; p. 588.
Registering mechanism. J. D. Elson. No. 1,275,234; Aug. 13; v. 253; p. 277.
Registering pool-rack. A. M. Olsen. No. 1,286,075; Nov. 26; v. 256; p. 780.
Regulating apparatus. A. W. Thompson. No. 1,263,484; Apr. 23; v. 249; p. 782.
Regulating means. W. E. Hudelson. No. 1,281,011; Oct. 8; v. 255; p. 272.
Regulator: *See*—
Air-intake regulator.
Automatic regulator.
Boiler-regulator.
Boiler-pressure regulator.
Clock-speed regulator.
Compressor-unloader regulator.
Controller-regulator.
Damper-regulator.
Draft-regulator.
Electric regulator.
Electric-furnace regulator.
Electrical regulator.
Electromagnetic regulator.
Feed-water regulator.
Flow-regulator.
Furnace-regulator.
Furnace draft and fuel regulator.
Gas-regulator.
Gas-burner regulator.
Gas-pressure regulator.
Generator-regulator.
Heat-regulator.
Incubator-regulator.
Light-regulator.
Light-ray regulator.
Motor-regulator.
Oven-heat regulator.
Oven-temperature regulator.
Plow depth-regulator.
Pressure-regulator.
Pump-regulator.
Temperature-regulator.
Time-governed regulator.
Tooth-regulator.
Torque-regulator.
Traffic-regulator.
Vehicle-regulator.
Voltage-regulator.
Water-regulator.
Water-wheel regulator.
X-ray-tube regulator.
Regulator. E. J. Deegan. No. 1,288,389; Dec. 17; v. 257; p. 608.
Regulator. E. J. Deegan and W. Hodgson. No. 1,254,888; Jan. 29; v. 246; p. 1114.
Regulator. W. S. Hadaway, Jr. No. 1,282,221; Oct. 22; v. 255; p. 674.
Regulator. W. Hodgson. No. 1,284,895; Nov. 12; v. 256; p. 406.

Regulator. A. A. Tirrill. No. 1,289,309; Dec. 31; v. 257; p. 886.
Regulator and cut-out. F. Conrad. No. 1,260,647; Mar. 26; v. 248; p. 883.
Regulator and cut-out. F. Conrad. No. 1,260,649; Mar. 26; v. 248; p. 884.
Rein-catch, Safety. J. S. Bealle. No. 1,259,073; Mar. 12; v. 248; p. 366.
Rein fastening, Cross-. J. M. Walsh. No. 1,285,499; Nov. 19; v. 256; p. 597.
Rein-hold. J. M. Lovett. No. 1,256,027; Feb. 12; v. 247; p. 305.
Rein-holder. O. Gustafson. No. 1,283,743; Nov. 5; v. 256; p. 80.
Reinforcing-bar. P. J. Kalman. No. 1,278,079; Sept. 3; v. 254; p. 203.
Reinforcing-bar. P. Kuhne. No. 1,280,046; Sept. 24; v. 254; p. 820.
Reinforcing-bar. C. F. Murray. No. 1,282,616; Oct. 22; v. 255; p. 781.
Reinforcing-bar. W. P. Witherow. No. 1,255,678; Feb. 5; v. 247; p. 163.
Reinforcing contrivance. J. N. Hahn. No. 1,264,877; Apr. 30; v. 249; p. 1196.
Reinforcing device. A. F. Schroeder. No. 1,268,887; June 11; v. 251; p. 249.
Reinforcing member. E. D. Hancock. No. 1,280,454; Oct. 1; v. 255; p. 94.
Relation-indicator. E. G. Bailey. No. 1,257,965; Mar. 5; v. 248; p. 4.
Relay. C. E. Allen. No. 1,274,660; Aug. 6; v. 253; p. 92.
Relay. R. E. De Camp. No. 1,289,649; Dec. 31; v. 257; p. 969.
Relay. C. B. Harlow. No. 1,272,432; July 16; v. 252; p. 530.
Relay. L. P. Hynes. No. 1,282,426; Oct. 22; v. 255; p. 729.
Relay. E. H. Jacobs. No. 1,259,406; Mar. 12; v. 248; p. 459.
Relay. H. S. Loomis. No. 1,286,364; Dec. 3; v. 257; p. 45.
Relay. S. M. Lucas. No 1,272,973; July 16; v. 252; p. 684.
Relay. F. R. Parker. No. 1,259,901; Mar. 19; v. 248; p. 633.
Relay. B. H. Smith. No. 1,273,940; July 30; v. 252; p. 1010.
Relay. H. A. Wallace. No. 1,285,498; Nov. 19; v. 256; p. 596.
Relay. A. A. Ziegler. No. 1,257,663; Feb. 26; v. 247; p. 857.
Relay. C. H. Zierdt. No. 1,284,026; Nov. 5; v. 256; p. 154.
Relay, Alternating-current. O. S. Field. No. 1,272,410; July 16; v. 252; p. 524.
Relay-buzzer. F. Schoenwolf. No. 1,269,005; June 11; v. 251; p. 282.
Relay contact-fingers, Adjustment of. C. O. Harrington. No. 1,254,135; Jan. 22; v. 246; p. 864.
Relay, Electrical. V. Tedeschi and A. G. Rossi. No. 1,289,574; Dec. 31; v. 257; p. 951.
Relay, Electromagnetic. G. Grabe. No. 1,274,874; Aug. 6; v. 253; p. 152.
Relay, Interlocking. O. S. Field. No. 1,279,681; Sept. 24; v. 254; p. 717.
Relay, Mercury-. M. Garl. No. 1,260,363; Mar. 26; v. 248; p. 799.
Relay, Overload definite-time-limit. L. C. Nicholson. No. 1,277,249; Aug. 27; v. 253; p. 896.
Relay selecting-circuit for artificial lines. C. S. Demarest. No. 1,273,154; July 23; v. 252; p. 759.
Relay, Selective. F. L. Dodgson. (Reissue.) No. 14,446; Mar. 26; v. 248; p. 980.
Relay, Selector-. A. B. Kendall. No. 1,253,194; Jan. 8; v. 246; p. 543.
Relay-switch. L. W. Downes and W. S. Mayer. No. 1,273,045; July 16; v. 252; p. 704.
Relay, Time-limit. D. L. Lindquist and D. C. Larson. No. 1,288,626; Dec. 24; v. 257; p. 695.
Release-key, Automatic. W. H. Walker. No. 1,289,977; Dec. 31; v. 257; p. 1050.
Releasing-hook, Automatic. O. T. Henrikson. No. 1,286,622; Dec. 3; v. 257; p. 107.
Releasing means. U. J. Shanklin. No. 1,267,285; May 21; v. 250; p. 726.
Reliner and making the same. W. Kearns. No. 1,258,121; Mar. 5; v. 248; p. 50.
Remembrancer. D. Donelan. No. 1,262,466; Apr. 9; v. 249; p. 444.
Rendering-tank. L. Marton. No. 1,288,638; Dec. 24; v. 257; p. 698.
Renovator. W. W. Farnsworth. No. 1,281,925; Oct. 15; v. 255; p. 554.
Renovator and dust-collector. R. L. McKay. No. 1,253,264; Jan. 15; v. 246; p. 593.
Repair lid or cap. C. V. Whallon. No. 1,284,514; Nov. 12; v. 256; p. 310.
Repair-link. H. A. Kelly. No. 1,254,143; Jan. 22; v. 246; p. 867.
Repair ring or link. J. W. Daniel. No. 1,262,179; Apr. 9; v. 249; p. 365.
Repair-stand. E. J. Kelley. No. 1,283,795; Nov. 5; v. 256; p. 93.
Repair-stand. L. A. Wilson. No. 1,278,273; Sept. 10; v. 254; p. 282.
Repeater system. J. H. Bell. No. 1,257,303; Feb. 26; v. 247; p. 752.
Replanter. W. Cantrell. No. 1,265,290; May 7; v. 250; p. 115.
Reproducing apparatus, Synchronously-operated. L. Langner. No. 1,277,224; Aug. 27; v. 253; p. 891.
Rerailer. R. T. Randall. No. 1,262,560; Apr. 9; v. 249; p. 472.
Resawing-machine. W. O. Craig. No. 1,259,490; Mar. 19; v. 248; p. 515.
Resawing-mill. E. E. Fitzgerald. No. 1,252,894; Jan. 8; v. 246; p. 452.
Resetting device. H. E. Hubbard. No. 1,266,807; May 21; v. 250; p. 595.
Resilient driving connection. G. M. Eaton. No. 1,279,998; Sept. 24, v. 254; p. 807.
Resilient driving connection. G. H. F. Holy. No. 1,280,033; Sept. 24; v. 254; p. 817.
Resilient gear-wheel. G. M. Eaton. No. 1,279,999; Sept. 24; v. 254; p. 807.
Resilient ground-wheel. W. G. Pfeifer. No. 1,288,166; Dec. 17; v. 257; p. 557.
Resilient material and the article of manufacture produced thereby, Producing a reinforced. E. Weinheim. No. 1,267,025; May 21; v. 250; p. 655.
Resilient tire. E. Eriksen. No. 1,280,198; Oct. 1; v. 255; p. 24.
Resilient vehicle-wheel. G. E. Clarke. No. 1,290,023; Dec. 31; v. 257; p. 1061.
Resilient wheel. J. M. Avery. No. 1,273,121; July 23; v. 252; p. 750.
Resilient wheel. S. C. Barr. No. 1,272,602; July 16; v. 252; p. 578.
Resilient wheel. F. H. Bauer. No. 1,287,184; Dec. 10; v. 257; p. 282.
Resilient wheel. F. H. Bauer. No. 1,287,185; Dec. 10; v. 257; p. 282.
Resilient wheel. J. P. Bem. No. 1,263,513; Apr. 23; v. 249; p. 790.
Resilient wheel. W. A. Black. No. 1,277,537; Sept. 3; v. 254; p. 56.
Resilient wheel. H. Bohne. No. 1,279,234; Sept. 17; v. 254; p. 568.
Resilient wheel. L. C. Bonelli. No. 1,264,765; Apr. 30; v. 249; p. 1166.
Resilient wheel. D. Cameron. No. 1,252,086; Jan. 1; v. 246; p. 189.
Resilient wheel. S. Campbell. No. 1,275,526; Aug. 13; v. 253; p. 356.
Resilient wheel. L. B. Carris. No. 1,261,359; Apr. 2; v. 249; p. 105.
Resilient wheel. M. E. Chamberlain. No. 1,257,673; Feb. 26; v. 247; p. 860.
Resilient wheel. E. F. Cota and A. L. Conrad. No. 1,280,583; Oct. 1; v. 255; p. 130.
Resilient wheel. J. H. Dwork. No. 1,283,119; Oct. 29; v. 255; p. 947.
Resilient wheel. C. A. Erwin. No. 1,253,801; Jan. 15; v. 246; p. 748.
Resilient wheel. W. F. Ewald. No. 1,289,420; Dec. 31; v. 257; p. 914.
Resilient wheel. T. G. Gale. No. 1,260,362; Mar. 26; v. 248; p. 799.
Resilient wheel. J. L. Garver. No. 1,289,726; Dec. 31; v. 257; p. 988.
Resilient wheel. M. Grossman. No. 1,257,220; Feb. 19; v. 247; p. 692.
Resilient wheel. J. L. Harden. No. 1,256,479; Feb. 12; v. 247; p. 439.
Resilient wheel. M. Harloe. No. 1,287,682; Dec. 17; v. 257; p. 435.
Resilient wheel. W. W. Harvey. No. 1,276,061; Aug. 20; v. 253; p. 537.
Resilient wheel. C. Horster. No. 1,265,660; May 7; v. 250; p. 213.
Resilient wheel. I. Ilieff. No. 1,272,807; July 16; v. 252; p. 638.
Resilient wheel. J. Johnson. No. 1,269,187; June 11; v. 251; p. 332.
Resilient wheel. M. F. Kettler. No. 1,278,677; Sept. 10; v. 254; p. 389.
Resilient wheel. J. A. Kolby, L. P. Larsen, and C. P. Neilsen. No. 1,286,348; Dec. 3; v. 257; p. 40.
Resilient wheel. W. F. Kopke. No. 1,269,286; June 11; v. 251; p. 361.
Resilient wheel. C. Kovacs. No. 1,267,876; May 28; v. 250; p. 921.
Resilient wheel. J. Krizek. No. 1,286,655; Dec. 3; v. 257; p. 115.
Resilient wheel. J. Kwapien. No. 1,254,413; Jan. 22; v. 246; p. 943.
Resilient wheel. W. Layton. No. 1,269,465; June 11; v. 251; p. 409.
Resilient wheel. C. H. Lenske. No. 1,252,456; Jan. 8; v. 246; p. 327.
Resilient wheel. E. Malman. No. 1,259,424; Mar. 12; v. 248; p. 464.

Resilient wheel. J. B. McMillion. No. 1,277,971; Sept. 3; v. 254; p. 175.
Resilient wheel. F. J. McNulty. No. 1,277,330; Aug. 27; v. 253; p. 917.
Resilient wheel. F. J. McNulty. No. 1,277,331; Aug. 27; v. 253; p. 917.
Resilient wheel. A. Meletti. No. 1,277,984; Sept. 3; v. 254; p. 179.
Resilient wheel. J. H. Mullin. No. 1,284,749; Nov. 12; v. 256; p. 368.
Resilient wheel. R. Musselman. No. 1,289,517; Dec. 31; v. 257; p. 937.
Resilient wheel. M. A. Myers. No. 1,272,300; July 9; v. 252; p. 468.
Resilient wheel. M. Naylon. No. 1,267,788; May 28; v. 250; p. 894.
Resilient wheel. F. H. D. Newhard. No. 1,274,311; July 30; v. 252; p. 1111.
Resilient wheel. C. Oakford. No. 1,256,249; Feb. 12; v. 247; p. 372.
Resilient wheel. G. T. Payne. No. 1,286,761; Dec. 3; v. 257; p. 137.
Resilient wheel. E. Peltier and C. Savacool. No. 1,279,754; Sept. 24; v. 254; p. 737.
Resilient wheel. O. E. Peterson. No. 1,288,164; Dec. 17; v. 257; p. 556.
Resilient wheel. J. Picketts. No. 1,271,358; July 2; v. 252; p. 170.
Resilient wheel. J. D. Pursel. No. 1,254,536; Jan. 22; v. 246; p. 978.
Resilient wheel. R. V. Reid. No. 1,274,449; Aug. 6; v. 253; p. 31.
Resilient wheel. S. A. Roberts. No. 1,253,531; Jan. 15; v. 246; p. 671.
Resilient wheel. W. E. Robertson. No. 1,254,278; Jan. 22; v. 246; p. 904.
Resilient wheel. H. A. Schnittker. No. 1,284,472; Nov. 12; v. 256; p. 300.
Resilient wheel. W. H. Sells. No. 1,280,316; Oct. 1; v. 255; p. 56.
Resilient wheel. J. Skadberg. No. 1,276,980; Aug. 27; v. 253; p. 825.
Resilient wheel. E. Stiner and J. M. Koss. No. 1,272,558; July 16; v. 252; p. 565;
Resilient wheel. J. Stuart. No. 1,266,343; May 14; v. 250; p. 435.
Resilient wheel. B. Szakacs. No. 1,252,736; Jan. 8; v. 246; p. 408.
Resilient wheel. H. H. Taylor. No. 1,271,100; July 2; v. 252; p. 97.
Resilient wheel. S. C. Wallace. No. 1,259,058; Mar. 12; v. 248; p. 362.
Resilient wheel. W. H. Welch. No. 1,283,609; Nov. 5; v. 256; p. 44.
Resilient wheel. M. T. Weston. No. 1,289,586; Dec. 31; v. 257; p. 954.
Resilient wheel. C. A. Whale and J. H. Black. No. 1,257,433; Feb. 26; v. 247; p. 788.
Resilient wheel. J. A. Workman, Sr. No. 1,261,087; Apr. 2; v. 249; p. 28.
Resin, turpentine, and oils, Extracting. J. E. Teeple. No. 1,252,058; Jan. 1; v. 246; p. 182.
Resins from impurities, Separating. J. S. Maclaurin. No. 1,260,984; Mar. 26; v. 248; p. 975.
Resins from non-fusible phenolaldehyde resins, Manufacturing permanently fusible and soluble synthetic. L. Berend. No. 1,259,347; Mar. 12; v. 248; p. 442.
Resins, Manufacture of. F. W. Sperr, Jr., and M. Darrin. No. 1,263,813; Apr. 23; v. 249; p. 870.
Resins, oleoresins, oils, and turpentine from resinous woods, Extracting. D. J. Ogilvy. No. 1,264,551; Apr. 30; v. 249; p. 1109.
Resistance-body. G. Egly. No. 1,267,641; May 28; v. 250; p. 854.
Resistance-coil. I. Marcus. No. 1,268,374; June 4; v. 251; p. 87.
Resistance element. J. A. Capp. No. 1,279,252; Sept. 17; v. 254; p. 573.
Resistance element. E. Schwartz. No. 1,281,218; Oct. 8; v. 255; p. 331.
Resistance, Regulating. G. Egly. No. 1,267,642; May 28; v. 250; p. 854.
Resistance unit. H. F. Stratton. No. 1,275,785; Aug. 13; v. 253; p. 429.
Resistance unit, Adjustable. B. A. Lundy. No. 1,276,384; Aug. 20; v. 253; p. 628.
Resonator, Compound. C. A. Valentine, Jr. No. 1,282,500; Oct. 22; v. 255; p. 749.
Respirating appliance. P. A. R. Conrad. No. 1,266,410; May 14; v. 250; p. 452.
Respirator. L. Farr. No. 1,288,856; Dec. 24; v. 257; p. 749.
Respirator. H. Garnett. No. 1,270,404; June 25; v. 251; p. 723.
Respirator. T. Gossack. No. 1,256,012; Feb. 12; v. 247; p. 301.
Respirator. H. H. Ramsay. No. 1,266,624; May 21; v. 250; p. 544.
Respirator. E. D. Rogers. No. 1,281,211; Oct. 8; v. 255; p. 329.
Respirator-mask. F. L. Miller. No. 1,288,647; Dec. 24; v. 257; p. 700.
Respirator or inhaler. R. Donald. No. 1,268,696; June 4; v. 251; p. 177.
Restraining device. A. L. Grove. No. 1,270,814; July 2; v. 252; p. 17.
Rests, Retarding mechanism for movable. C. W. Fertig and A. J. May. No. 1,259,972; Mar. 19; v. 248; p. 655.
Resurfacing-machine. S. W. Mann. No. 1,276,092; Aug. 20; v. 253; p. 546.
Retaining device. E. W. Smith. No. 1,276,981; Aug. 27; v. 253; p. 825.
Retaining-form. O. Woerner. No. 1,278,545; Sept. 10; v. 254; p. 353.
Retaining means. E. Mattman. No. 1,272,693; July 16; v. 252; p. 606.
Retaining-walls, piers, and wharves, Work such as. S. L. Ravier. No. 1,270,659; June 25; v. 251; p. 793.
Retarding mechanism. F. C. Rinsche. No. 1,273,539; July 23; v. 252; p. 861.
Retort-charger. E. O'Connor. No. 1,286,070; Nov. 26; v. 256; p. 779.
Retort-charging machine. G. W. Whipple and C. H. Baldwin. No. 1,274,120; July 30; v. 252; p. 1060.
Retort-cleaning apparatus. R. Ziesing and G. F. Carpenter. No. 1,268,911; June 11; v. 251; p. 256.
Retort-door fastener. F. L. Miller. No. 1,262,226; Apr. 9; v. 249; p. 378.
Retort for treating quicksilver ores, Continuous. W. H. Landers. No. 1,256,703; Feb. 19; v. 247; p. 541.
Retort, Gasifying-. H. R. Wemple. No. 1,262,886; Apr. 16; v. 249; p. 593.
Retorts, Air-admitting device for underfeed. R. S. Riley. No. 1,283,425; Oct. 29; v. 255; p. 1027.
Retting, ungumming, and drying fiber plants and woody material. B. Loomis. No. 1,271,591; July 9; v. 252; p. 267.
Return-bends, Making. C. H. True and C. A. W. Brandt. No. 1,255,355; Feb. 5; v. 247; p. 69.
Return-regainer. W. M. White. No. 1,264,730; Apr. 30; v. 249; p. 1157.
Returning hoop. F. Cobarubia. No. 1,270,378; June 25; v. 251; p. 715.
Reverser, Automatic. J. Horn. No. 1,257,352; Feb. 26; v. 247; p. 766.
Reversible lock for hangar-doors. C. C. Tomkinson. No. 1,278,258; Sept. 10; v. 254; p. 278.
Reversible motor, Rotary. G. A. Bertsch. No. 1,262,164; Apr. 9; v. 249; p. 361.
Reversible seat. H. Rose and E. J. Bickford. No. 1,254,437; Jan. 22; v. 246; p. 950.
Reversing and stopping mechanism, Automatic. S. J. Freeouf. No. 1,277,564; Sept. 3; v. 254; p. 64.
Reversing-gear, Cut-off adjuster for power-operated. J. N. Alter. No. 1,278,820; Sept. 17; v. 254; p. 458.
Reversing mechanism. S. K. Landis. No. 1,283,531; Nov. 5; v. 256; p. 25.
Reversing mechanism. J. N. Lavery. No. 1,257,253; Feb. 19; v. 247; p. 702.
Reversing mechanism. C. H. Norton. No. 1,261,158; Apr. 2; v. 249; p. 47.
Reversing mechanism and clutch, Interconnected. M. Letroteur. No. 1,268,735; June 4; v. 251; p. 188.
Revolver and cartridge-clip. J. H. Wesson. No. 1,258,170; Mar. 5; v. 248; p. 64.
Revolver-handle. T. Lempie. No. 1,279,572; Sept. 17; v. 254; p. 607.
Revolver-sword. C. Lenardič. No. 1,263,440; Apr. 23; v. 249; p. 770.
Rewinding-machine. G. B. Birch and J. A. Cameron. No. 1,258,644; Mar. 12; v. 248; p. 242.
Rewinding-machine. J. A. Cameron and G. B. Birch. No. 1,256,499; Feb. 12; v. 247; p. 446.
Rheostat. F. Emberger. No. 1,273,754; July 23; v. 252; p. 918.
Rheostat. M. M. Goldenstein. No. 1,280,713; Oct. 8; v. 255; p. 191.
Rheostat. N. D. Levin. No. 1,267,879; May 28; v. 250; p. 922.
Rheostat. W. F. Valcke, Jr. No. 1,252,203; Jan. 1; v. 246; p. 221.
Rheostat. H. J. Wiegand. No. 1,267,726; May 28; v. 250; p. 876.
Rheostat, All-water. W. A. Archibald and H. W. Thom. No. 1,268,666; June 4; v. 251; p. 169.
Rheostat and operating means therefor. W. A. Turbayne. No. 1,251,594; Jan. 1; v. 246; p. 45.
Rheostat, Fluid-. M. N. Schönwitz. No. 1,256,832; Feb. 19; v. 247; p. 579.
Rheostat, Liquid. A. J. Hall. No. 1,275,908; Aug. 13; v. 253; p. 463.
Rheostat, Liquid. K. A. Simon. No. 1,277,495; Sept. 3; v. 254; p. 45.
Ribbon-bolt holder. J. M. Mariscal and A. L. Gutierrez. No. 1,281,184; Oct. 8; v. 255; p. 321.
Ribbon-bows or the like, Fastening device for. V. Stone. 1,255,348; Feb. 5; v. 247; p. 67.
Ribbon-cutting machines, Gumming apparatus for. H. D. Schmidt. No. 1,266,058; May 14; v. 250; p. 357.
Ribbon-feed, Automatic reversible. A. C. Roebuck. No. 1,257,401; Feb. 26; v. 247; p. 779.
Ribbon holder and vibrator. A. C. Roebuck. No. 1,275,755; Aug. 13; v. 253; p. 421.

Ribbon mechanism. E. G. Latta. (Reissue.) No. 14,491; July 2; v. 252; p. 218.
Ribbon mechanism. C. J. Swaim. No. 1,278,252; Sept. 10; v. 254; p. 276.
Ribbons on spools, Machine for winding. S. A. Neidich. No. 1,282,618; Oct. 22; v. 255; p. 781.
Ridger. W. P. Butler. No. 1,252,658; Jan. 8; v. 246; p. 386.
Ridgers, &c., Dumping-scraper attachment for. J. M. Cook. No. 1,279,273; Sept. 17; v. 254; p. 579.
Ridging and pulverizing machine. A. Schaefer. No. 1,265,526; May 7; v. 250; p. 179.
Riffle, Rubber-set. J. Horn. No. 1,276,529; Aug. 20; v. 253; p. 668.
Rifle. A. Mercer. No. 1,283,253; Oct. 29; v. 255; p. 982.
Rifle-barrel. B. Holter. No. 1,274,028; Aug. 6; v. 253; p. 194.
Rifle-bead. G. A. Lindsay. No. 1,254,418; Jan. 22; v. 246; p. 944.
Rifle, Dummy. M. B. Reach. No. 1,270,436; June 25; v. 251; p. 732.
Rifle-grip. J. V. Van Name. No. 1,277,002; Aug. 27; v. 253; p. 830.
Rifle-periscope. E. R. Morris. No. 1,264,133; Apr. 23; v. 249; p. 957.
Rifle-rest, Automatic. J. W. Roe. No. 1,288,684; Dec. 24; v. 257; p. 709.
Rifle-sight attachment. P. Pasznicki. No. 1,275,730; Aug. 13; v. 253; p. 413.
Rifles, Periscope attachment for. G. Cordell. No. 1,260,285; Mar. 19; v. 248; p. 742.
Rifles, Wire-cutting attachment for. A. Bigos. No. 1,277,031; Aug. 27; v. 253; p. 838.
Rigging, Coupling release-. R. W. Burnett. No. 1,283,657; Nov. 5; v. 256; p. 58.
Rigging, Support and turning. G. P. Wern. No. 1,282,508; Oct. 22; v. 255; p. 752.
Rigid coupling. W. H. Brunson. No. 1,281,284; Oct. 15; v. 255; p. 380.
Rim and casing, Combined. H. R. Lorenz and H. W. Ojendyk. No. 1,253,988; Jan. 15; v. 246; p. 801.
Rim and felly structure, Demountable. F. Taylor. No. 1,262,139; Apr. 9; v. 249; p. 353.
Rim-breaker. A. L. Jensen and B. S. Hoxie. No. 1,263,420; Apr. 23; v. 249; p. 763.
Rim carrier and contractor, Spare-. J. A. Scott and C. Christensen. No. 1,258,474; Mar. 5; v. 248; p. 152.
Rim, Collapsible. L. H. Wray. No. 1,265,412; May 7; v. 250; p. 148.
Rim, Collapsible. T. S. York. No. 1,268,799; June 4; v. 251; p. 207.
Rim-contracting device. P. A. De Collibus. No. 1,279,291; Sept. 17; v. 254; p. 584.
Rim, Demountable. W. W. Allen. No. 1,277,024; Aug. 27; v. 253; p. 836.
Rim, Demountable. R. M. Baird. No. 1,253,119; Jan. 8; v. 246; p. 522.
Rim, Demountable. W. N. Booth. No. 1,280,145; Oct. 1; v. 255; p. 7.
Rim, Demountable. W. W. Brown. No. 1,276,485; Aug. 20; v. 253; p. 665.
Rim, Demountable. E. P. Calvin. No. 1,272,213; July 9; v. 252; p. 442.
Rim, Demountable. A. E. Cinq-Mars. No. 1,255,708; Feb. 5; v. 247; p. 171.
Rim, Demountable. H. R. Dugger. No. 1,270,711; June 25; v. 251; p. 805.
Rim, Demountable. J. W. Dutton, Jr. No. 1,265,310; May 7; v. 250; p. 120.
Rim, Demountable. S. C. Eddy. No. 1,266,003; May 14; v. 250; p. 342.
Rim, Demountable. C. Edelen. No. 1,270,130; June 18; v. 251; p. 622.
Rim, Demountable. W. R. Finlay. No. 1,284,633; Nov. 12; v. 256; p. 338.
Rim, Demountable. C. W. Foster. No. 1,287,276; Dec. 10; v. 257; p. 305.
Rim, Demountable. W. H. Fox. No. 1,285,103; Nov. 19; v. 256; p. 497.
Rim, Demountable. J. O. Grady. No. 1,257,844; Feb. 26; v. 247; p. 912.
Rim, Demountable. J. B. Greene. No. 1,257,845; Feb. 26; v. 247; p. 912.
Rim, Demountable. W. Gries. No. 1,261,120; Apr. 2; v. 249; p. 37.
Rim, Demountable. J. H. and G. H. Heeran. No. 1,256,316; Feb. 12; v. 247; p. 392.
Rim, Demountable. C. S. Johnston. No. 1,265,787; May 14; v. 250; p. 280.
Rim, Demountable. B. R. Lee. No. 1,268,367; June 4; v. 251; p. 85.
Rim, Demountable. E. A. Lyman. No. 1,264,827; Apr. 30; v. 249; p. 1183.
Rim, Demountable. W. M. Marseilles. No. 1,287,724; Dec. 17; v. 257; p. 446.
Rim, Demountable. R. McClure. No. 1,273,640; July 23; v. 252; p. 889.
Rim, Demountable. S. R. McKay. No. 1,285,757; Nov. 26; v. 256; p. 701.
Rim, Demountable. S. R. McKay. No. 1,289,500; Dec. 31; v. 257; p. 933.
Rim, Demountable. H. W. Melling. No. 1,252,470; Jan. 8; v. 246; p. 332.
Rim, Demountable. A. Mentzer. No. 1,283,853; Nov. 5; v. 256; p. 110.
Rim, Demountable. O. ONeal. No. 1,272,342; July 9; v. 252; p. 479.
Rim, Demountable. L. H. Perlman. No. 1,267,112; May 21; v. 250; p. 680.
Rim, Demountable. L. H. Perlman. No. 1,270,548; June 25; v. 251; p. 764.
Rim, Demountable. C. R. Ragsdale. No. 1,275,745; Aug. 13; v. 253; p. 418.
Rim, Demountable. C. C. Sanders. No. 1,263,121; Apr. 16; v. 249; p. 662.
Rim, Demountable. F. and N. M. Spranger. No. 1,276,985; Aug. 27; v. 253; p. 826.
Rim, Demountable. J. H. Wagenhorst. No. 1,258,065; Mar. 5; v. 248; p. 34.
Rim, detachable. V. N. Gingrich. No. 1,259,974; Mar. 19; v. 248; p. 656.
Rim-expander. H. P. Johnson. No. 1,278,672; Sept. 10; v. 254; p. 388.
Rim holder, Demountable-. W. A. Yarger. No. 1,279,629; Sept. 24; v. 254; p. 701.
Rim lock, Demountable-. O. Le Beau. No. 1,287,708; Dec. 17; v. 257; p. 442.
Rim lock, Demountable-. H. A. McDaniel. No. 1,278,699; Sept. 10; v. 254; p. 397.
Rim lock, Demountable-. K. J. Nahas. No. 1,275,075; Aug. 6; v. 253; p. 208.
Rim lock, Demountable-. R. T. Windt. No. 1,257,296; Feb. 19; v. 247; p. 716.
Rim-lock for demountable rims. F. A. Chambers. No. 1,285,937; Nov. 26; v. 256; p. 746.
Rim remover, Demountable-. J. L. Niswander. No. 1,274,751; Aug. 6; v. 253; p. 117.
Rim-securing device, Demountable-. C. E. McClay. No. 1,257,264; Feb. 19; v. 247; p. 706.
Rim, Separable demountable. W. M. Wirth. No. 1,268,525; June 4; v. 251; p. 130.
Rim structure. J. B. Atkins. No. 1,278,822; Sept. 17; v. 254; p. 458.
Rim tool, Demountable-split-. J. J. McLane. No. 1,251,902; Jan. 1; v. 246; p. 137.
Rims, Clamping mechanism for demountable. A. Hargraves. No. 1,258,676; Mar. 12; v. 248; p. 251.
Rims, Device for expanding and contracting demountable. C. F. Corbett. No. 1,258,195; Mar. 5; v. 248; p. 71.
Rims, Machine for sizing transplit. R. S. Bryant. No. 1,268,789; June 4; v. 251; p. 204.
Rims, Machine for trimming transsplit. R. S. Bryant. No. 1,260,314; Mar. 26; v. 248; p. 785.
Rims, Manufacture of. R. S. Bryant. No. 1,260,315; Mar. 26; v. 248; p. 785.
Rims, Tool for manipulating split. C. A. Boyd. No. 1,263,737; Apr. 23; v. 249; p. 849.
Ring: *See*—

Drawing-ring.	Piston packing-ring.
Finger-ring.	Repair-ring.
Furnace-casing ring.	Spinning-ring.
Key-ring.	Split ring.
Leaf-ring.	Subpacking-ring.
Nose-ring.	Swivel-ring.
Packing-ring.	Umbrella-ring.
Piston-ring.	

Ring. F. S. Gariss. No. 1,286,273; Dec. 3; v. 257; p. 22.
Ring-core. K. B. Kilborn. No. 1,275,942; Aug. 13; v. 253; p. 472.
Ring for disseminating perfumes, &c. W. H. H. Griffin. No. 1,257,848; Feb. 26; v. 247; p. 912.
Ring gage, Finger-. J. B. Ingalls. No. 1,277,075; Aug. 27; v. 253; p. 851.
Ring guard, Finger-. G. E. Smith. No. 1,278,047; Sept. 3; v. 254; p. 195.
Ring-mold. H. W. Alexander. No. 1,280,128; Oct. 1; v. 255; p. 3.
Rings, buckles, and the like, Manufacture of pull-. A. Susseles. No. 1,260,092; Mar. 19; v. 248; p. 689.
Rings in rope, Inserting. C. Swanson. No. 1,274,103; Aug. 6; v. 253; p. 215.
Rings, Making metal. F. Mossberg. No. 1,263,271; Apr. 16; v. 249; p. 700.
Rings, Making metal. T. E. Murray. No. 1,267,251; May 21; v. 250; p. 718.
Ringer. F. M. Slough. No. 1,267,470; May 28; v. 250; p. 805.
Ringing amplifier, Through-. C. S. Demarest. No. 1,280,969; Oct. 8; v. 255; p. 261.
Ringing system, Automatic. H. D. Currier and M. B. Stazak. No. 1,276,037; Aug. 20; v. 253; p. 529.
Ripener and pastuerizer. W. R. Nicoll, Jr. No. 1,285,330; Nov. 19; v. 256; p. 555.
Riprap. A. W. Farney and F. W. Jansky. No. 1,252,678; Jan. 8; v. 246; p. 392.
Riverside siltless basin. P. S. Lawton. No. 1,275,270; Aug. 13; v. 253; p. 287.
Rivet. C. S. Eaton. (Reissue.) No. 12,513; Aug. 27; v. 253; p. 922.
Rivet and cap setting machine. A. R. Havener. No. 1,276,652; Aug. 20; v. 253; p. 702.
Rivet and nail machine die. E. E. Farmer. No. 1,251,652; Jan. 1; v. 246; p. 63.

Rivet-fasteners, Device for applying. J. H. M. Michon. No. 1,257,724; Feb. 26; v. 247; p. 877.
Rivet-gage. L. Junker. No. 1,287,040; Dec. 10; v. 257; p. 245.
Rivet-holding instrument. G. S. Monson. No. 1,288,115; Dec. 17; v. 257; p. 544.
Rivet-holding tool. G. S. Monson. No. 1,267,573; May 28; v. 250; p. 834.
Rivet-setter. H. R. Nye. No. 1,289,526; Dec. 31; v. 257; p. 940.
Riveting. W. J. Mackle. No. 1,253,850; Jan. 15; v. 246; p. 764.
Riveting and punching machine, Combined. E. C. Loth. No. 1,288,627; Dec. 24; v. 257; p. 695.
Riveting apparatus. J. J. Spillane. No. 1,281,091; Oct. 8; v. 255; p. 295.
Riveting-machine. J. N. Cayo. No. 1,271,276; July 2; v. 252; p. 148.
Riveting-machine. F. D. Goodlake. No. 1,270,148; June 18; v. 251; p. 627.
Riveting-machine. W. R. Hart. No. 1,284,100; Nov. 5; v. 256; p. 175.
Riveting-machine, Electric. A. C. Taylor. No. 1,261,971; Apr. 9; v. 249; p. 308.
Riveting-machine, Electric. A. C. Taylor. No. 1,261,972; Apr. 9; v. 249; p. 308.
Riveting-machine, Electric. A. C. Taylor. No. 1,261,973; Apr. 9; v. 249; p. 308.
Riveting-machines, Tube-contractor for. H. K. Clemons. No. 1,277,862; Sept. 3; v. 254; p. 147.
Riveting-tool, Electric. L. Hirsh. No. 1,251,665; Jan. 1; v. 246; p. 67.
Riveting-tool holder. C. G. Pepper. No. 1,283,886; Nov. 5; v. 256; p. 119.
Riveting wire pins to head-plates on both sides, Device for. M. Handke. No. 1,262,334; Apr. 9; v. 249; p. 407.
Road-building machines, Gate-adjusting mechanism for. W. J. Coultas. No. 1,281,141; Oct. 8; v. 255; p. 308.
Road construction. C. B. Chatfield. No. 1,269,785; June 18; v. 251; p. 531.
Road construction. D. S. Cole and H. B. Gillette. No. 1,254,404; Jan. 22; v. 246; p. 940.
Road construction. C. P. Quinlin. No. 1,281,833; Oct. 15; v. 255; p. 529.
Road-grading device. G. Van Kessel, Jr. No. 1,287,526; Dec. 10; v. 257; p. 364.
Road-grading device. M. P. Zindorf. No. 1,282,162; Oct. 22; v. 255; p. 658.
Road-machine. R. R. Hart and I. N. De Hart. No. 1,264,068; Apr. 23; v. 249; p. 940.
Road-machine. C. H. Jones. No. 1,264,656; Apr. 30; v. 249; p. 1138.
Road-machine. J. H. Keller. No. 1,253,184; Jan. 8; v. 246; p. 540.
Road-making machine. M. N. Latta. No. 1,269,098; June 11; v. 251; p. 308.
Road-making machine, Rotary. J. A. Patterson. No. 1,253,876; Jan. 15; v. 246; p. 770.
Road or highway construction. S. Cornwall. No. 1,280,964; Oct. 8; v. 255; p. 260.
Road paving and surfacing material, Machine for preparing. C. R. Hunt. No. 1,278,662; Sept. 10; v. 254; p. 385.
Road-paving apparatus. J. Mugica. No. 1,263,272; Apr. 16; v. 249; p. 700.
Road, paving, flooring, or like structures. H. C. Innes. No. 1,277,936; Sept. 3; v. 254; p. 166.
Road-planer. S. Wright. No. 1,272,756; July 16; v. 252; p. 623.
Road-scarifier. S. Wright. No. 1,272,755; July 16; v. 252; p. 622.
Road shaping and finishing machine. M. Mitchell. No. 1,266,531; May 14; v. 250; p. 486.
Road shaping and finishing machine. M. Mitchell. No. 1,266,532; May 14; v. 250; p. 486.
Road-signal. A. R. Scott. No. 1,287,464; Dec. 10; v. 257; p. 349.
Road-surfaces, Device for recording and locating irregularities of. H. Dunbar. No. 1,264,495; Apr. 30; v. 249; p. 1093.
Road-surfacing material, Producing. G. Ross. No. 1,252,722; Jan. 8; v. 246; p. 405.
Road-sweeping machines, Conveyer adapted to. W. Barnett and J. Florendine. No. 1,255,275; Feb. 5; v. 247; p. 45.
Roads, &c., and making same, Binder for. E. A. Paterson. No. 1,266,618; May 21; v. 250; p. 542.
Roads and other surfaces, Rubber paving for. G. Anderson. No. 1,280,363; Oct. 1; v. 255; p. 70.
Roads and the like, Making surfacing material for. C. R. Hunt. No. 1,278,663; Sept. 10; v. 254; p. 385.
Roads, Composition of matter for surfacing. W. G. D. Orr. No. 1,261,845; Apr. 9; v. 249; p. 274.
Roads, Expansion-joint for. A. S. Spiegel. No. 1,280,572; Oct. 1; v. 255; p. 127.
Roadway. S. B. Dickinson. No. 1,265,628; May 7; v. 250; p. 205.
Roadway. C. Mehlhorn. No. 1,271,921; July 9; v. 252; p. 359.
Roadway-box. C. E. Tyler. No. 1,277,668; Sept. 3; v. 254; p. 94
Roadway construction. A. C. Briggs. No. 1,286,925; Dec. 10; v. 257; p. 215.
Roadways, Making. J. Chapman. No. 1,277,380; Sept. 3; v. 254; p. 13.
Roaster. R. Holman. No. 1,274,714; Aug. 6; v. 253; p. 107.
Roasting-pan. C. A. Sanborn. No. 1,258,049; Mar. 5; v. 248; p. 29.
Roasting-pans, Basting device for. J. A. McCaskey. No. 1,277,968; Sept. 3; v. 254; p. 175.
Robe-carrier and table, Combination. A. O. Sinks. No. 1,260,467; Mar. 26; v. 248; p. 528.
Robe, Electrothermal. H. H. Wallace. No. 1,278,530; Sept. 10; v. 254; p. 349.
Robe-strap. C. P. Schlegel. No. 1,268,500; June 4; v. 251; p. 122.
Rock and coal drill. M. Shingler. No. 1,280,092; Sept. 24; v. 254; p. 832.
Rock and log puller. E. R. Greenfield. No. 1,269,427; June 11; v. 251; p. 398.
Rock-crusher. J. S. Bartley. No. 1,254,192; Jan. 22; v. 246; p. 880.
Rock-drill. W. A. Smith. No. 1,253,290; Jan. 15; v. 246; p. 599.
Rock-drill. W. A. Smith. No. 1,264,217; Apr. 30; v. 249; p. 1015.
Rock-drill. W. A. Smith. No. 1,267,705; May 28; v. 250; p. 871.
Rock-drill. T. E. Sturtevant. No. 1,263,143; Apr. 16; v. 249; p. 667.
Rock-drill. T. E. Sturtevant. No. 1,265,133; May 7; v. 250; p. 73.
Rock-drill bit. C. A. Brawn. No. 1,283,646; Nov. 5; v. 256; p. 55.
Rock-drill, Power-driven. M. Kellow. No. 1,281,391; Oct. 15; v. 255; p. 411.
Rock-drill, Power-driven. M. Kellow. No. 1,281,785; Oct. 15; v. 255; p. 515.
Rock-drill steel-puller. E. M. Bruner. No. 1,287,209; Dec. 10; v. 257; p. 288.
Rock-drills, Breathing and face-protecting apparatus for. A. Blanc. No. 1,271,012; July 2; v. 252; p. 74.
Rock-drills, Channeling attachment for impact. T. D. Mowlds. No. 1,264,424; Apr. 30; v. 249; p. 1073.
Rock-drills, Water-motor for. G. E. Gjuke. No. 1,262,661; Apr. 16; v. 249; p. 529.
Rock-drilling apparatus, Percussive. R. H. Adams. No. 1,269,147; June 11; v. 251; p. 321.
Rock-drilling, Valve-gear for. W. C. Stephens. No. 1,279,929; Sept. 24; v. 254; p. 789.
Rock, Recovery of phosphorus fumes evolved in the volatilization method of treating phosphate-. A. R. Merz, W. H. Ross, and J. N. Carothers. No. 1,284,200; Nov. 5; v. 256; p. 201.
Rock-throwing machine, Blue-. A. Schmidt. No. 1,280,089; Sept. 24; v. 254; p. 831.
Rocker attachment. W. and P. Fitz. No. 1,252,418; Jan. 8; v. 246; p. 316.
Rocking bin. E. H. Bekkering. No. 1,264,258; Apr. 30; v. 249; p. 1027.
Rocking-chair attachment. W. C. Parker. No. 1,281,647; Oct. 15; v. 255; p. 478.
Rocking-chair, Folding. G. W. Lard. No. 1,264,309; Apr. 30; v. 249; p. 1040.
Rocking-chair, stationary chair, crib, and baby-carriage. Combined child's. T. Schisgall. No. 1,274,458; Aug. 6; v. 253; p. 33.
Rocking-horse. J. F. and O. Brower. No. 1,282,744; Oct. 29; v. 255; p. 843.
Rocking-horse. A. O. Morse. No. 1,285,315; Nov. 19; v. 256; p. 550.
Rod: *See*—
Anchor-rod.
Auxiliary radius-rod.
Bleeder-rod.
Cane and fishing-rod.
Closet-rod.
Color-comparing rod.
Connecting-rod.
Curtain-rod.
End-gate rod.
Filing-cabinet lock-rod.
Fishing-rod.
Gun-cleaning rod.
Guy-rod.
Level-testing rod.
Piston-rod.
Skate-roller.
Sounding-rod.
Steering reach-rod.
Stopper-rod.
Supporting-rod.
Swing-rod.
Target-practice rod.
Well-boring rod.
Rod assembly, Multiple-connecting-. J. W. Watson. No. 1,286,851; Dec. 3; v. 257; p. 158.
Rod assembly, Multiple-connection-. J. W. Watson. No. 1,286,852; Dec. 3; v. 257; p. 158.
Rod-bending machine. C. A. Nelson. No. 1,288,965; Dec. 24; v. 257; p. 776.
Rod-bending machinery. J. N. Reynolds. No. 1,274,936; Aug. 6; v. 253; p. 169.
Rod bracket, Uncoupling-. T. Rodman and W. A. Drake. No. 1,281,839; Oct. 15; v. 255; p. 531.
Rod-clamp. B. M. Mathias. No. 1,260,566; Mar. 26; v. 248; p. 859.
Rod-clamp. B. M. Mathias. No. 1,260,567; Mar. 26; v. 248; p. 859.
Rod-clamp. B. M. Mathias. No. 1,286,702; Dec. 3; v. 257; p. 125.
Rod-clip. E. O. Keator. No. 1,283,793; Nov. 5; v. 256; p. 92.

Roll, Composite. G. Baehr. No. 1,289,602; Dec. 31; v. 257; p. 959.
Rod-coupling. C. H. Baldwin. No. 1,265,418; May 7; v. 250; p. 150.
Rod-puller. H. O. Davidson. No. 1,263,867; Apr. 23; v. 249; p. 885.
Rod, rope, and cable clip. E. O. Keator. No. 1,283,792; Nov. 5; v. 256; p. 92.
Rod-splicing clamp. B. M. Mathias. No. 1,252,711; Jan. 8; v. 246; p. 401.
Rod-straightening device. L. H. Brightman. No. 1,278,299; Sept. 10; v. 254; p. 288.
Rods, tubes, and the like, Making. L. T. Frederick. No. 1,284,297; Nov. 12; v. 256; p. 256.
Rodent-exterminating implement. H. E. Kirn. No. 1,286,021; Nov. 26; v. 256; p. 767.
Rodents and insects, Composition for repelling. J. I. Leist. No. 1,270,630; June 25; v. 251; p. 786.
Roentgen-ray device. W. D. Coolidge. No. 1,253,156; Jan. 8; v. 246; p. 532.
Roentgenoscope. T. B. McClintock. No. 1,285,283; Nov. 19; v. 256; p. 542.
Roll-holder. C. H. Edwards. No. 1,269,411; June 11; v. 251; p. 395.
Roll for webs, Compensating guide-. H. M. Barber. No. 1,288,801; Dec. 24; v. 257; p. 737.
Roll material, Dispensing apparatus for. G. T. Johnson. No. 1,286,599; Dec. 3; v. 257; p. 101.
Roller: *See*—
Antifriction-roller.
Curtain-roller.
Fabric-roller.
Gauze-roller.
Gearing-roller.
Ink-roller.
Land-roller.
Metallic roller.
Printer's roller.
Rubber-covered roller.
Shade-roller.
Skate-roller.
Spring-roller.
Street-roller.
Tractor-roller.
Roller. H. J. Plant. No. 1,284,443; Nov. 12; v. 256; p. 292.
Roller and harrow, Combined. D. A. Burns. No. 1,268,319; June 4; v. 251; p. 71.
Roller and flexible sheet. W. W. Helle. No. 1,272,338; July 9; v. 252; p. 479.
Roller-bearing wheel and means for attaching same to axle. F. H. Gibbs. No. 1,256,483; Feb. 12; v. 247; p. 441.
Roller construction. W. E. Hosch. No. 1,288,002; Dec. 17; v. 257; p. 515.
Roller feeding device. A. E. Ward. No. 1,284,835; Nov. 12; v. 256; p. 390.
Roller-grinding machine. W. E. Bock. No. 1,286,871; Dec. 3; v. 257; p. 162.
Roller-joint, Lubricating dust-proof. J. H. Davis. No. 1,289,408; Dec. 31; v. 257; p. 912.
Roller-mill. G. C. Richards. No. 1,264,558; Apr. 30; v. 249; p. 1111.
Roller-mill scraper. A. W. Schmidt. No. 1,272,863; July 16; v. 252; p. 654.
Roller-pinion. L. W. Melcher. No. 1,289,508; Dec. 31; v. 257; p. 935.
Roller-screen. O. L. Broline and J. A. Nolan. No. 1,259,480; Mar. 19; v. 248; p. 512.
Roller-screen. E. H. Simonton. No. 1,258,366; Mar. 5; v. 248; p. 120.
Rollers, Mounting for conveyer-. K. Kiefer. No. 1,288,828; Dec. 24; v. 257; p. 743.
Rolling bars, Apparatus for. C. W. Hawthorne. No. 1,287,987; Dec. 17; v. 257; p. 511.
Rolling-chair. D. Kemble. No. 1,262,806; Apr. 16; v. 249; p. 570.
Rolling cylindrical bodies, Device for. E. Walter. No. 1,272,739; July 16; v. 252; p. 618.
Rolling-machine. C. G. Grotnes. No. 1,284,093; Nov. 5; v. 256; p. 173.
Rolling-machine. J. F. Pierce. No. 1,289,257; Dec. 31; v. 257; p. 873.
Rolling-mill. V. E. Edwards. No. 1,278,616; Sept. 10; v. 254; p. 373.
Rolling-mill. V. E. Edwards. No. 1,278,617; Sept. 10; v. 254; p. 373.
Rolling-mill. J. R. George. No. 1,278,136; Sept. 10; v. 254; p. 244.
Rolling-mill. J. R. George. No. 1,283,727; Nov. 5; v. 256; p. 75.
Rolling-mill. W. J. Hampton and W. H. Ritts. No. 1,251,514; Jan. 1; v. 246; p. 19.
Rolling-mill. W. J. Hampton and W. H. Ritts. No. 1,251,515; Jan. 1; v. 246; p. 19.
Rolling-mill. J. Kennedy. No. 1,261,548; Apr. 2; v. 249; p. 158.
Rolling-mill. J. Kennedy. No. 1,277,947; Sept. 3; v. 254; p. 168.
Rolling-mill. J. Kennedy. No. 1,284,195; Nov. 5; v. 256; p. 200.
Rolling-mill. W. Rachals. No. 1,283,299; Oct. 29; v. 255; p. 993.
Rolling mill, Ball-. F. E. Canda. No. 1,266,402; May 14; v. 250; p. 450.
Rolling-mill, Continuous. B. Quast. No. 1,271,361; July 2; v. 252; p. 171.
Rolling mill, Continuous-sheet-. J. B. McKibbin. No. 1,260,784; Mar. 26; v. 248; p. 923.
Rolling mill, Flange-. C. G. Naylor. No. 1,276,397; Aug. 20; v. 253; p. 632.
Rolling mill for bending angle or channel irons into different angles. J. P. Eckenroth. No. 1,267,194; May 21; v. 250; p. 704.
Rolling-mill manipulator. J. Kennedy. No. 1,268,579; June 4; v. 251; p. 145.
Rolling-mill-operating mechanism. G. E. Day. No. 1,280,677; Oct. 8; v. 255; p. 182.
Rolling-mill roll. V. E. Edwards. No. 1,259,969; Mar. 19; v. 248; p. 654.
Rolling-mill table. J. Kennedy. No. 1,267,874; May 28; v. 250; p. 920.
Rolling-mills and the like, System of control for tandem. W. R. Clark. No. 1,267,184; May 21; v. 250; p. 701.
Rolling-mills, Scourer for. J. B. Baird. No. 1,279,219; Sept. 17; v. 254; p. 564.
Rolling-mills, Table mechanism for. J. Kennedy. No. 1,261,549; Apr. 2; v. 249; p. 158.
Rolling-pin. W. Anton. No. 1,254,298; Jan. 29; v. 246; p. 910.
Rolling-pins and other implements, Combination-handle for. T. A. McCarty. No. 1,267,327; May 21; v. 250; p. 738.
Rolling rail-joint bars. W. J. Bradley. No. 1,277,287; Aug. 27; v. 253; p. 906.
Rolling strips of material, Device for. H. K. Thomas. No. 1,288,748; Dec. 24; v. 257; p. 724.
Romper. J. Sheehy. No. 1,256,736; Feb. 19; v. 247; p. 551.
Roof-bracket, Foldable. E. H. Chappuis. No. 1,267,056; May 21; v. 250; p. 664.
Roof connection for drain-pipes. C. L. Holt. No. 1,252,573; Jan. 8; v. 246; p. 362.
Roof connection for drain-pipes. C. L. Holt. No. 1,275,922; Aug. 13; v. 253; p. 467.
Roof construction. T. H. Kane. No. 1,260,391; Mar. 26; v. 248; p. 807.
Roof construction and the like. A. A. Griswold. No. 1,279,684; Sept. 24; v. 254; p. 718.
Roof-covering. E. Flagg. No. 1,276,632; Aug. 20; v. 253; p. 696.
Roof-drains, Gravel-guard for. C. L. Holt. No. 1,266,948; May 21; v. 250; p. 634.
Roof-flange. E. F. Donnelly. No. 1,278,120; Sept. 10; v. 254; p. 240.
Roof-flashing. J. Bropson. No. 1,282,535; Oct. 22; v. 255; p. 758.
Roof-flashing. C. E. Cole. No. 1,287,235; Dec. 10; v. 257; p. 295.
Roof-flashing. G. E. Swenson. No. 1,254,292; Jan. 22; v. 246; p. 909.
Roof-flashing and constructing same. J. C. Norton. No. 1,261,276; Apr. 2; v. 249; p. 80.
Roof-flashing and jacket for vent-pipes. F. J. Moore. No. 1,279,572; Sept. 24; v. 254; p. 684.
Roof-joint. J. Bropson. No. 1,276,321; Aug. 20; v. 253; p. 609.
Roof, Ornamental. F. C. Overbury. No. 1,265,105; May 7; v. 250; p. 66.
Roof, Sheet-metal silo-. J. F. McGaffee. No. 1,267,679; May 28; v. 250; p. 863.
Roof-slab for building construction. R. M. Havens. No. 1,261,125; Apr. 2; v. 249; p. 38.
Roof, Stack-. W. R. Arnold. No. 1,278,559; Sept. 10; v. 254; p. 357.
Roof structure. J. P. Simon. No. 1,283,338; Oct. 29; v. 255; p. 1003.
Roof, Suspended. J. Van Brunt. No. 1,281,721; Oct. 15; v. 255; p. 497.
Roof-truss construction. J. G. Stadelman. No. 1,277,766; Sept. 3; v. 254; p. 122.
Roofs and side walls, Covering for. F. C. Overbury. No. 1,270,654; June 25; v. 251; p. 792.
Roofs, &c., Composition for making waterproof and fireproof. W. A. Kohncke. No. 264,307; Apr. 30; v. 249; p. 1040.
Roofs, Hip-covering for. E. P. Guptill. No. 1,262,783; Apr. 16; v. 249; p. 564.
Roofing. O. A. Bigler. No. 1,284,997; Nov. 19; v. 256; p. 470.
Roofing. E. A. Mastick. No. 1,265,226; May 7; v. 250; p. 97.
Roofing. E. A. Wentworth. No. 1,258,509; Mar. 5; v. 248; p. 162.
Roofing-bracket. D. B. Bearden. No. 1,255,692; Feb. 5; v. 247; p. 167.
Roofing-cleat. H. C. Kettelson. No. 1,273,500; July 23; v. 252; p. 851.
Roofing, Composition. A. S. Spiegel. No. 1,264,343; Apr. 30; v. 249; p. 1049.
Roofing element. W. A. Harris. No. 1,285,147; Nov. 19; v. 256; p. 507.
Roofing elements, Process and apparatus for making. F. C. Overbury. No. 1,286,077; Nov. 26; v. 256; p. 780.
Roofing-felts, Apparatus for laying. J. Wilson. No. 1,278,272; Sept. 10; v. 254; p. 281.
Roofing-machine. A. S. Spiegel. No. 1,274,623; Aug. 6; v. 253; p. 82.
Roofing, Making prepared. W. F. McKay. No. 1,264,831; Apr. 30; v. 249; p. 1184.

Roofing, Manufacturing prepared. S. M. Ford. No. 1,265,315; May 7; v. 250; p. 121.
Roofing, Manufacturing prepared. S. M. Ford. No. 1,268,105; June 4; v. 251; p. 10.
Roofing, Manufacturing prepared. H. R. Wardell. No. 1,289,328; Dec. 31; v. 257; p. 891.
Roofing material. H. L. Wilber. No. 1,278,270; Sept. 10; v. 254; p. 281.
Roofing material, Machine for applying. J. S. Maynard. No. 1,289,857; Dec. 31; v. 257; p. 1021.
Roofing material, Manufacturing. S. M. Ford. No. 1,263,051; Apr. 16; v. 249; p. 640.
Roofing materials, Method and apparatus for treating coated. L. S. Mason. No. 1,289,507; Dec. 31; v. 257; p. 935.
Roofing-paper-mopping machine. S. Troy and L. Jacobsen. No. 1,281,230; Oct. 8; v. 255; p. 334.
Roofing, &c., Recovering the ingredients from waste. I. S. Joseph. No. 1,253,386; Jan. 15; v. 246; p. 630.
Roofing, Seam-cleat for sheet-. A. C. Fischer. No. 1,263,219; Apr. 16; v. 249; p. 688.
Roofing-washer and screw. M. S. Williams. No. 1,286,862; Dec. 3; v. 257; p. 161.
Roost, Chicken-. J. H. Tucker. No. 1,264,456; Apr. 30; v. 249; p. 1082.
Roost for fowls. L. R. Wetmore. No. 1,275,342; Aug. 13; v. 253; p. 306.
Roost, Hen-. S. Clark. No. 1,253,938; Jan. 15; v. 246; p. 787.
Roost, Hen-. M. B. Squires. No. 1,255,635; Feb. 5; v. 247; p. 157.
Roost, Poultry-. J. L. Barr. No. 1,254,964; Jan. 29; v. 246; p. 1134.
Rope and cable thimble. E. O. Keator. No. 1,288,021; Dec. 17; v. 257; p. 520.
Rope-binding machine. E. W. Howell. No. 1,289,178; Dec. 31; v. 257; p. 852.
Rope-clamp. O. Crosby. No. 1,271,284; July 2; v. 252; p. 150.
Rope-clamp. W. Hancox. No. 1,278,641; Sept. 10; v. 254; p. 379.
Rope-clamp. F. W. Hobdell. No. 1,278,930; Sept. 17; v. 254; p. 488.
Rope-clamp. D. J. Lassiter. No. 1,258,580; Mar. 5; v. 248; p. 185.
Rope-clamp. R. Loos. No. 1,288,943; Dec. 24; v. 257; p. 771.
Rope-clamp. A. Lehmann. No. 1,259,881; Mar. 19; v. 248; p. 626.
Rope-clip. O. Crosby. No. 1,271,282; July 2; v. 252; p. 150.
Rope-clip. O. Crosby. No. 1,271,283; July 2; v. 252; p. 150.
Rope-coupling and traveler, Combined. B. B. Bosworth. No. 1,254,571; Jan. 22; v. 246; p. 988.
Rope-cutting device. H. E. Weaver. No. 1,265,561; May 7; v. 250; p. 187.
Rope-end clip. F. S. Boomer. No. 1,283,438; Oct. 29; v. 255; p. 1031.
Rope-grip. B. B. Bosworth. No. 1,254,570; Jan. 22; v. 246; p. 988.
Rope-grip. E. W. McDermott. No. 1,264,534; Apr. 30; v. 249; p. 1104.
Rope-indicating means. F. M. Everett. No. 1,274,401; Aug. 6; v. 253; p. 16.
Rope-loop. E. W. Howell. No. 1,265,661; May 7; v. 250; p. 214.
Rope-making machine. R. Dawes. No. 1,273,748; July 23; v. 252; p. 916.
Rope or cable securing device. J. M. Houff. No. 1,262,951; Apr. 16; v. 249; p. 611.
Rope or cord, Machine for making ornamental. F. W. Oehrle. No. 1,273,911; July 30; v. 252; p. 1000.
Rope or cord, Machine for making ornamental. F. W. Oehrle. No. 1,273,912; July 30; v. 252; p. 1001.
Rope-reel. D. Quinn and R. Lebovit. No. 1,286,097; Nov. 26; v. 256; p. 785.
Rope-socket. S. R. McConnell. No. 1,267,430; May 28; v. 250; p. 794.
Rope-socket. E. P. Parmenter. No. 1,268,995; June 11; v. 251; p. 279.
Rope-socket. F. W. Shirey and J. W. Dodd. No. 1,260,077; Mar. 19; v. 248; p. 685.
Ropes or cables, Device for use in splicing. F. Maki. No. 1,261,145; Apr. 2; v. 249; p. 43.
Ropes, Retaining-guide for counterweight-. J. L. Harrington, E. E. Howard, and L. R. Ash. No. 1,261,124; Apr. 2; v. 249; p. 38.
Rose-heads, Means for varying the areal delivery of. G. C. Kennedy. No. 1,271,719; July 9; v. 252; p. 304.
Roselle-pitting machine. J. H. Kammerdiener. No. 1,260,203; Mar. 19; v. 248; p. 718.
Rossing-machine. A. McLennan. No. 1,280,789; Oct. 8; v. 255; p. 214.
Rotary blower. I. H. Spencer. No. 1,288,728; Dec. 24; v. 257; p. 719.
Rotary-bottom boat. J. B. Marling. No. 1,258,428; Mar. 5; v. 248; p. 140.
Rotary casting. D. S. De Lavaud. No. 1,286,555; Dec. 3; v. 257; p. 91.
Rotary cleanser. W. L. Deming. No. 1,261,778; Apr. 9; v. 249; p. 255.
Rotary converters, Exciting system for booster interpole. J. A. Kuyser. No. 1,284,369; Nov. 12; v. 256; p. 274.
Rotary crusher. H. L. Kent. No. 1,255,319; Feb. 5; v. 247; p. 58.
Rotary cutter. R. R. Hind. No. 1,273,488; July 23; v. 252; p. 848.
Rotary cutter. L. B. Shamblen. No. 1,268,394; June 4; v. 251; p. 93.
Rotary drier. W. O. Arzinger. No. 1,278,288; Sept. 10; v. 254; p. 286.
Rotary drilling apparatus. R. E. Carmichael. No. 1,283,662; Nov. 5; v. 256; p. 59.
Rotary engine. D. F. Arnot. No. 1,263,993; Apr. 23; v. 249; p. 921.
Rotary engine. A. C. Ashcraft. No. 1,286,900; Dec. 10; v. 257; p. 210.
Rotary engine. P. H. Belitz. No. 1,259,714; Mar. 19; v. 248; p. 578.
Rotary engine. J. F. Brown. No. 1,258,182; Mar. 5; v. 248; p. 68.
Rotary engine. B. Conklin. No. 1,280,668; Oct. 8; v. 255; p. 179.
Rotary engine. B. Conklin. No. 1,287,642; Dec. 17; v. 257; p. 424.
Rotary engine. R. H. Cowles. No. 1,280,169; Oct. 1; v. 255; p. 14.
Rotary engine. F. Craft. No. 1,273,743; July 23; v. 252; p. 914.
Rotary engine. C. F. De Mey. No. 1,285,566; Nov. 19; v. 256; p. 613.
Rotary engine. W. A. Fifield. No. 1,288,547; Dec. 24; v. 257; p. 675.
Rotary engine. R. C. Fraser. No. 1,258,552; Mar. 5; v. 248; p. 176.
Rotary engine. J. W. George. No. 1,256,995; Feb. 19; v. 247; p. 628.
Rotary engine. J. W. George. No. 1,256,996; Feb. 19; v. 247; p. 629.
Rotary engine. E. G. Gould. No. 1,276,346; Aug. 20; v. 253; p. 616.
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Rotary engine. A. S. Harvey. No. 1,261,927; Apr. 9; v. 249; p. 295.
Rotary engine. F. A. Higgins. No. 1,261,128; Apr. 2; v. 249; p. 39.
Rotary engine. S. Hufschmid. No. 1,255,169; Feb. 5; v. 247; p. 16.
Rotary engine. J. Joosten and P. A. Perrin. No. 1,262,206; Apr. 9; v. 249; p. 373.
Rotary engine. P. Jorgenson. No. 1,259,749; Mar. 19; v. 248; p. 588.
Rotary engine. H. M. Lambert. No. 1,271,178; July 2; v. 252; p. 120.
Rotary engine. A. Lillquist. No. 1,253,062; Jan. 8; v. 246; p. 505.
Rotary engine. A. A. Lind. No. 1,277,437; Sept. 3; v. 254; p. 30.
Rotary engine. T. J. Loftus. No. 1,276,380; Aug. 20; v. 253; p. 626.
Rotary engine. T. J. Loftus. No. 1,276,381; Aug. 20; v. 253; p. 627.
Rotary engine. E. J. M. Madero. No. 1,266,605; May 21; v. 250; p. 537.
Rotary engine. J. Mathes. No. 1,268,782; June 4; v. 251; p. 202.
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Rotary engine. C. M. Palmer. No. 1,253,716; Jan. 15; v. 246; p. 725.
Rotary engine. F. H. Pardon. No. 1,269,303; June 11; v. 251; p. 366.
Rotary engine. E. A. Perk van Lith. No. 1,257,156; Feb. 19; v. 247; p. 673.
Rotary engine. L. M. Randolph. No. 1,268,771; June 4; v. 251; p. 198.
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Rotary engine. R. Saunders. No. 1,279,450; Sept. 17; v. 254; p. 626.
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Rotary engine. W. J. Tower. No. 1,272,728; July 16; v. 252; p. 615.
Rotary engine. J. A. Ulberg. No. 1,288,764; Dec. 24; v. 257; p. 728.
Rotary engine. H. A. Weidenbach. No. 1,280,915; Oct. 8; v. 255; p. 248.
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Rotary engine and pump. A. A. Lind. No. 1,277,436; Sept. 3; v. 254; p. 29.
Rotary engine and the like. J. O. Bergman. No. 1,262,437; Apr. 9; v. 249; p. 437.
Rotary engine, Balanced reversing. J. W. Tygard. No. 1,272,876; July 16; v. 252; p. 658.
Rotary engine, pump, compressor, and the like. B. Conklin. No. 1,270,498; June 25; v. 251; p. 750.
Rotary explosion-engine. B. G. Kramer. No. 1,287,049; Dec. 10; v. 257; p. 247.
Rotary gas-engine. J. W. Jones. No. 1,282,429; Oct. 22; v. 255; p. 730.
Rotary grief-collar. B. F. Kelley. No. 1,281,977; Oct. 15; v. 255; p. 566.
Rotary internal-combustion engine. N. K. Althause. No. 1,282,518; Oct. 22; v. 255; p. 754.
Rotary internal-combustion engine. J. P. Bergeron. No. 1,272,698; July 16; v. 252; p. 607.
Rotary internal-combustion engine. N. B. Doane. No. 1,255,865; Feb. 12; v. 247; p. 257.
Rotary internal-combustion engine. A. R. Gardner and P. Washburn. No. 1,255,403; Feb. 5; v. 247; p. 83.
Rotary internal-combustion engine. C. D. Howe. No. 1,276,765; Aug. 27; v. 253; p. 769.
Rotary internal-combustion engine. E. G. Johanson. No. 1,261,938; Apr. 9; v. 249; p. 299.
Rotary internal-combustion engine. W. O. Kuhn. No. 1,273,380; July 23; v. 252; p. 818.
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Rotary internal-combustion engine. F. R. Sunderman. No. 1,285,835; Nov. 26; v. 256; p. 722.
Rotary internal-combustion engine for aeroplanes and the like, Multicylinder. W. K. Dalzell. No. 1,270,500; June 25; v. 251; p. 750.
Rotary meat-cake cutter. C. F. Ball. No. 1,280,100; Sept. 24; v. 254; p. 834.
Rotary motion, Apparatus for converting reciprocating motion into continuous. H. E. Warren. No. 1,283,430; Oct. 29; v. 255; p. 1028.
Rotary motor. C. R. Harris and R. G. Goldman. No. 1,268,794; June 4; v. 251; p. 206.
Rotary motor. T. T. Lovelace. No. 1,277,964; Sept. 3; v. 254; p. 173.
Rotary motor. J. Monson. No. 1,259,430; Mar. 12; v. 248; p. 466.
Rotary motor. J. M. O'Grady. No. 1,270,546; June 25; v. 251; p. 763.
Rotary motor. J. O. Winks. No. 1,270,909; July 2; v. 252; p. 44.
Rotary motor, Reversible. G. A. Bertsch. No. 1,263,639; Apr. 23; v. 249; p. 824.
Rotary motor, Reversible. F. Enssle. No. 1,278,126; Sept. 10; v. 254; p. 241.
Rotary power device. E. H. Gollings. No. 1,284,650; Nov. 12; v. 256; p. 343.
Rotary punch-press. A. C. V. Malm. No. 1,286,377; Dec. 3; v. 257; p. 47.
Rotary rectifiers, Means for improving the commutation in. H. K. Sandell. No. 1,286,795; Dec. 3; v. 257; p. 145.
Rotary retort, Continuous. P. S. Shoaff. No. 1,284,479; Nov. 12; v. 256; p. 301.
Rotary shears. A. J. Bates. No. 1,272,891; July 16; v. 252; p. 662.
Rotary spider, Internal. B. F. Hiniker. No. 1,273,858; July 30; v. 252; p. 985.
Rotary sprinkler. W. E. Barker. No. 1,266,384; May 14; v. 250; p. 446.
Rotary steam-engine. B. H. Alvey. No. 1,283,614; Nov. 5; v. 256; p. 46.
Rotary steam-engine. H. W. Bogart. No. 1,275,373; Aug. 13; v. 253; p. 315.
Rotary steam-engine. R. C. Fraser. No. 1,265,643; May 7; v. 250; p. 209.
Rotary steam-engine. F. H. Ogden. No. 1,269,735; June 18; v. 251; p. 516.
Rotary sticker-heads, Safety-guard for. C. Hube. No. 1,286,329; Dec. 3; v. 257; p. 36.
Rotary straightening-arbor. E. F. Shuster. No. 1,283,336; Oct. 29; v. 255; p. 1002.
Rotary switch. B. L. Bobroff. No. 1,258,305; Mar. 5; v. 248; p. 103.
Rotary turbine-engine. G. W. Connor. No. 1,283,088; Oct. 29; v. 255; p. 939.
Rotary-valve engine. C. E. Sherman. No. 1,277,655; Sept. 3; v. 254; p. 90.
Rotaries, Shaft-oscillator for. A. B. Field. No. 1,281,826; Oct. 15; v. 255; p. 392.
Rotatable members, Mounting for. J. A. Cameron and G. B. Birch. No. 1,256,108; Feb. 12; v. 247; p. 329.
Rotating combustion-engine. P. H. Irgens. No. 1,285,197; Nov. 19; v. 256; p. 521.
Roundabout. C. W. Krathwohl. No. 1,255,022; Jan. 29; v. 246; p. 1149.
Roundabout. G. A. Lowrey. No. 1,277,614; Sept. 3; v. 254; p. 78.
Rounding and channeling machine. T. Corrow. No. 1,269,055; June 11; v. 251; p. 297.
Rounding and channeling machine. F. J. Feist. No. 1,271,505; July 2; v. 252; p. 209.
Rounding and channeling machine. F. H. Perry. No. 1,272,708; July 16; v. 252; p. 610.
Rounding and molding machine, Combination. B. Clark. No. 1,275,530; Aug. 13; v. 253; p. 357.
Routing or filing case. A. L. Lynds. No. 1,276,781; Aug. 27; v. 253; p. 772.
Roving cutter or stripper. L. Payment. No. 1,276,685; Aug. 20; v. 253; p. 710.
Roving-rollers of woolen-mules, Slowing mechanism for. A. L. Dunham. No. 1,275,406; Aug. 13; v. 253; p. 324.
Rowboat-motor. W. F. A. Buehner. No. 1,278,585; Sept. 10; v. 254; p. 364.
Rowing-boat. C. J. Olsen. No. 1,273,176; July 23; v. 252; p. 765.
Rowing-gear, Boat. H. W. Ziemer. No. 1,264,741; Apr. 30; v. 249; p. 1159.
Rubber and fabric, Apparatus and method of curing articles of. T. W. Bean and T. J. Hennessy. No. 1,283,630; Nov. 5; v. 256; p. 51.
Rubber and other heavy plastic material, Machine for treating. F. H. Banbury. No. 1,279,220, Sept. 17; v. 254; p. 564.
Rubber and other heavy plastic material, Machine for treating. F. H. Banbury. No. 1,279,824; Sept. 24; v. 254; p. 758.
Rubber and similar materials, Vulcanization of. D. F. Twiss. No. 1,271,810; July 9; v. 252; p. 327.
Rubber and the like, Machine for forming and joining sheets of. J. Hanna. No. 1,289,744; Dec. 31; v. 257; p. 992.
Rubber and the like, Machinery for. S. C. Davidson. No. 1,256,664; Feb. 19; v. 247; p. 530.
Rubber and the like, Machinery for. S. C. Davidson. No. 1,287,253; Dec. 10; v. 257; p. 299.
Rubber article. S. J. and A. A. Harris. No. 1,266,936; May 21; v. 250; p. 630.
Rubber articles, Apparatus for exhausting the interior of. C. J. Randall. No. 1,273,112; July 16; v. 252; p. 721.
Rubber articles, Machine for trimming circular. J. R. Gammeter. No. 1,261,017; Apr. 2; v. 249; p. 7.
Rubber articles, Making hollow. H. R. Strauss. No. 1,263,141; Apr. 16; v. 249; p. 667.
Rubber articles, Method and apparatus for making hollow. R. Beynon. No. 1,277,179; Aug. 27; v. 253; p. 880.
Rubber articles, Vulcanizing. J. L. Mahoney. No. 1,289,776; Dec. 31; v. 257; p. 1000.
Rubber, Artificial. E. R. Talley. No. 1,285,463; Nov. 19; v. 256; p. 588.
Rubber bags, bottles, and the like, Making. R. B. Price. No. 1,287,429; Dec. 10; v. 257; p. 342.
Rubber balls, Making. R. Parker. No. 1,269,848; June 18; v. 251; p. 548.
Rubber balls, Manufacturing. B. R. Barva and F. T. Wichman. No. 1,265,419; May 7; v. 250; p. 150.
Rubber battery-jar and manufacturing same, Hard-. H. Weida. No. 1,256,750; Feb. 19; v. 247; p. 554.
Rubber coagulum or similar material and preparation of the same from latex for vulcanization. E. M. Slocum. No. 1,259,793; Mar. 19; v. 248; p. 601.
Rubber coagulum or similar material and preparation of same for vulcanization. E. M. Slocum. No. 1,259,794; Mar. 19; v. 248; p. 601.
Rubber-coated cord. S. G. Lewis. No. 1,279,718; Sept. 24; v. 254; p. 726.
Rubber-coating machine. R. Holmes. No. 1,281,373; Oct. 15; v. 255; p. 406.
Rubber composition. G. O. Morse. No. 1,262,828; Apr. 16; v. 249; p. 576.
Rubber composition. E. W. Snyder. No. 1,254,632; Jan. 22; v. 246; p. 1006.
Rubber composition. E. Von Vargyas. No. 1,263,297; Apr. 16; v. 249; p. 707.
Rubber composition and producing same. J. M. Weiss. No. 1,282,505; Oct. 22; v. 255; p. 751.
Rubber compound and producing the same. F. J. Gleason. No. 1,257,698; Feb. 26; v. 247; p. 868.
Rubber-covered roller. J. Muskett. No. 1,277,995; Sept. 3; v. 254; p. 181.
Rubber derivatives, Manufacture of. W. O. Snelling. No. 1,288,723; Dec. 24; v. 257; p. 719.
Rubber, Device for molding sheet-. A. J. Wills. No. 1,281,462; Oct. 15; v. 255; p. 430.
Rubber fabric, Machine for plaiting fabric, particularly. A. J. Wills. No. 1,281,463; Oct. 15; v. 255; p. 430.
Rubber footwear, Manufacturing. C. E. Bradley. No. 1,271,843; July 9; v. 252; p. 337.
Rubber goods, Method and apparatus for molding. G. H. Lewis. No. 1,255,099; Jan. 29; v. 246; p. 1170.
Rubber goods, Process and apparatus for vulcanizing. A. L. Comstock. No. 1,289,043; Dec. 24; v. 257; p. 795.
Rubber, Hand-. C. B. Curtiss. No. 1,262,024; Apr. 9; v. 249; p. 321.
Rubber, Hand-. H. Marshall. No. 1,255,101; Jan. 29; v. 246; p. 1171.
Rubber-hose-end sealing. J. W. Young. No. 1,282,160; Oct. 22; v. 255; p. 658.

Rubber, Machine for impregnating fabrics with. I. S. McGiehan. No. 1,255,192; Feb. 5; v. 247; p. 23.
Rubber, Manufacture of sheet-. W. Seward. No. 1,274,091; July 30; v. 252; p. 1051.
Rubber, Method and machine for sewing. J. R. Gammeter. No. 1,284,646; Nov. 12; v. 256; p. 342.
Rubber mixing and compounding. G. W. Bulley. No. 1,260,321; Mar. 26; v. 248; p. 786.
Rubber-mixing machine. F. Kempter. No. 1,260,684; Mar. 26; v. 248; p. 894.
Rubber or like substances, Synthetically producing. L. Gottschalk. No. 1,289,444; Dec. 31; v. 257; p. 920.
Rubber parts, Producing jointures for vulcanized. J. L. Mahoney. No. 1,289,777; Dec. 31; v. 257; p. 1000.
Rubber, Reclaiming. H. R. Murdock. No. 1,257,292; Feb. 19; v. 247; p. 715.
Rubber-retainer. P. J. Young. No. 1,277,021; Aug. 27; v. 253; p. 835.
Rubber rods and the like, Machine for cutting and spacing soft. J. C. Reich. No. 1,257,960; Feb. 26; v. 247; p. 943.
Rubber shoe-sole, Stiffened. H. C. Egerton. No. 1,282,397; Oct. 22; v. 255; p. 722.
Rubber shoe-sole with interlocking stiffener member. H. C. Egerton. No. 1,282,398; Oct. 22; v. 255; p. 722.
Rubber soles to boots and shoes, Mold for applying. E. F. Berry. No. 1,256,649; Feb. 19; v. 247; p. 525.
Rubber-stock, Device for manipulating. H. C. Wagner. No. 1,289,324; Dec. 31; v. 257; p. 890.
Rubber structure, Reinforced hard-. E. J. Kroeger. No. 1,286,030; Nov. 26; v. 256; p. 769.
Rubber substitute and making same. W. W. Carter. No. 1,251,862; Jan. 1; v. 246; p. 127.
Rubber substitute and making same. W. W. Carter. No. 1,251,863; Jan. 1; v. 246; p. 127.
Rubber substitute and product thereof, Method of making hard-. P. Pickl. No. 1,265,108; May 7; v. 250; p. 67.
Rubber-testing apparatus. W. Jameson. No. 1,282,085; Oct. 22; v. 255; p. 636.
Rubber tread for boots and shoes. G. M. Anderson. No. 1,281,476; Oct. 15; v. 255; p. 434.
Rubber tread for boots and shoes. F. Berenstein. No. 1,281,273; Oct. 15; v. 255; p. 377.
Rubber, Treating. F. A. Fahrenwald. No. 1,269,168; June 11; v. 251; p. 327.
Rubber-treating apparatus, Temperature-indicating device for. H. R. Ranken. No. 1,264,681; Apr. 30; v. 249; p. 1144.
Rubber-treating machine. W. Kearns. No. 1,277,729; Sept. 3; v. 254; p. 111.
Rubber-tubing machine. W. P. Bradley. No. 1,289,033; Dec. 24; v. 257; p. 792.
Rubber, Vulcanizing. W. P. Payne. No. 1,263,462; Apr. 23; v. 249; p. 776.
Rubber waste, Reclaiming. F. L. Kryder and E. W. Snyder. No. 1,263,567; Apr. 23; v. 249; p. 804.
Rubber with powdery substances, Compounding. W. C. Knowlton and H. A. Hoffman. No. 1,286,024; Nov. 26; v. 256; p. 768.
Rubber-working apparatus. J. G. Moomy. No. 1,255,456; Feb. 5; v. 247; p. 98.
Rubber-working machine. G. W. Bulley. No. 1,260,320; Mar. 26; v. 248; p. 786.
Rubbers and products obtained thereby, Producing pigmented. W. A. Gibbons. No. 1,259,508; Mar. 19; v. 248; p. 520.
Rubbing-container. L. D. Whitney. No. 1,276,299; Aug. 20; v. 253; p. 603.
Rubbing-post, Animal. R. C. Lowes. No. 1,270,425; June 25; v. 251; p. 729.
Rudder-controlled shield. H. S. McGowan. No. 1,274,299; July 30; v. 252; p. 1108.
Rug. F. M. Ethridge. No. 1,288,539; Dec. 24; v. 257; p. 673.
Rug and fastening therefor, Combined. D. J. O'Leary. No. 1,261,429; Apr. 2; v. 249; p. 124.
Rug-beater. G. L. Lamb. No. 1,263,775; Apr. 23; v. 249; p. 859.
Rug, Coat-. E. Terry. No. 1,252,628; Jan. 8; v. 246; p. 378.
Rug-holder. A. W. Clarke and G. Jackson. No. 1,274,006; July 30; v. 252; p. 1026.
Rug-holder. J. Doyle. No. 1,275,875; Aug. 13; v. 253; p. 454.
Rugs, Manufacturing printed. G. Prifold. No. 1,273,536; July 23; v. 252; p. 861.
Rule and case, Combined. H. M. Gould. No. 1,262,038; Apr. 9; v. 249; p. 325.
Rule and square, Combined. W. P. Hall. No. 1,289,047; Dec. 24; v. 257; p. 796.
Rule attachment. G. H. Fahrenbruch. No. 1,280,693; Oct. 8; v. 255; p. 186.
Rule attachment. C. A. Shumate. No. 1,284,481; Nov. 12; v. 256; p. 302.
Rule, Combination-. H. H. Lambert. No. 1,264,531; Apr. 30; v. 249; p. 1103.
Rule, Common. F. C. Morin. No. 1,266,845; May 21; v. 250; p. 604.
Rule-holder. H. C. Bostian. No. 1,275,835; Aug. 13; v. 253; p. 442.
Rule-holder. J. H. Klenck. No. 1,264,190; Apr. 30; v. 249; p. 1007.
Rule, Slide-. G. W. Richardson. No. 1,260,454; Mar. 26; v. 248; p. 825.
Rule, Slide-. W. A. Warman. No. 1,279,798; Sept 24; v. 254; p. 750.
Ruler. C. H. Little. No. 1,274,291; July 30; v. 252; p. 1106.
Ruler. C. H. Little. No. 1,274,292; July 30; v. 252; p. 1106.
Ruler. H. C. Waters. No. 1,255,251; Feb. 5; v. 247; p. 39.
Ruler for blackboards. P. Cramer. No. 1,252,243; Jan. 1; v. 246; p. 232.
Ruler, Parallel-. C. M. Pidgeon. No. 1,276,955; Aug. 27; v. 253; p. 818.
Ruling machine, Paper-. J. H. Adams. No. 1,260,999; Apr. 2; v. 249; p. 3.
Runabout, Boy's. J. B. Gathright. No. 1,263,224; Apr. 16; v. 249; p. 689.
Running-board. W. E. Fowler, Sr. No. 1,268,340; June 4; v. 251; p. 77.
Running-board support. J. J. Kuntz. No. 1,258,579; Mar. 5; v. 248; p. 184.
Running-gear, Convertible. G. H. Curtiss. No. 1,269,570; June 11; v. 251; p. 437.
Running-gear for trailers. J. Knapp. No. 1,252,588; Jan. 8; v. 246; p. 366.
Running-gear frame, Adjustable. E. Druessel. No. 1,284,262; Nov. 12; v. 256; p. 245.
Running-gear, Rough-road-buggy coupling. J. F. Mardis. No. 1,257,087; Feb. 19; v. 247; p. 654.
Rust prevention. C. I. Gesell. No. 1,269,926; June 18; v. 251; p. 568.
Rust-proofing and nut-locking, Solution for. C. D. Matthews. No. 1,289,855; Dec. 31; v. 257; p. 1020.
Rust-proofing composition and making same. W. R. Emig. No. 1,263,395; Apr. 23; v. 249; p. 756.
Sack, Catamenial. J. Beck. No. 1,288,632; Nov. 5; v. 256; p. 51.
Sack, Catamenial. C. E. Dudley. No. 1,288,848; Dec. 24; v. 257; p. 747.
Sack-holder. N. Dugas. No. 1,253,948; Jan. 15; v. 246; p. 789.
Sack-holder. H. T. Potter. No. 1,287,427; Dec. 10; v. 257; p. 341.
Sacks, Apparatus for feeding and sewing filled. D. S. Seymour. (Reissue.) No. 14,443; Mar. 5; v. 248; p. 207.
Sacral rest. L. G. Rink. No. 1,258,246; Mar. 5; v. 248; p. 86.
Sad-iron. F. Kuhn and J. A. Hand. No. 1,288,043; Dec. 17; v. 257; p. 526.
Sad-iron. C. C. Meeker. No. 1,263,916; Apr. 23; v. 249; p. 900.
Sad-iron. J. Puretz and B. Cohen. No. 1,275,743; Aug. 13; v. 253; p. 418.
Sad-iron. O. Spahr and C. Stichler. (Reissue.) No. 14,527; Oct. 1; v. 255; p. 141.
Sad-iron. P. Tufenkgian. No. 1,261,070; Apr. 2; v. 249; p. 23.
Sad-iron. E. H. Zollar and C. T. Johnson. No. 1,273,506; July 23; v. 252; p. 869.
Sad-iron holder. W. H. Hawkes. No. 1,266,016; May 14; v. 250; p. 345.
Sad-iron stand. G. Coggins. No. 1,277,865; Sept. 3; v. 254; p. 148.
Saddle. E. J. Borg. No. 1,267,310; May 21; v. 250; p. 733.
Saddle and stirrup, Top-roll. L. S. Bache. No. 1,276,707; Aug. 27; v. 253; p. 754.
Saddle-cover. S. U. Saunders. No. 1,271,375; July 2; v. 252; p. 174.
Saddle, Lineman's post-. W. G. Looney. No. 1,278,954; Sept. 17; v. 254; p. 494.
Saddle-post and pump, Pneumatic. L. B. Reed. No. 1,270,661; June 25; v. 251; p. 794.
Saddle, Running-board. J. J. Rectenwald. No. 1,269,306; June 11; v. 251; p. 367.
Saddle, Top-roll. H. G. Beede. No. 1,259,203; Mar. 12; v. 248; p. 402.
Saddle, Top-roll. E. Dixon. No. 1,263,044; Apr. 16; v. 249; p. 637.
Saddle, Top-roll. E. Dixon. No. 1,265,306; May 7; v. 250; p. 119.
Saddle, Top-roll. E. Dixon. No. 1,265,307; May 7; v. 250; p. 119.
Saddle, Top-roll. E. Dixon. No. 1,285,643; Nov. 26; v. 256; p. 672.
Saddle, Top-roll. O. L. Owen. No. 1,258,701; Mar. 12; v. 248; p. 258.
Saddle-yoke structure. C. Stein. No. 1,281,868; Oct. 15; v. 255; p. 538.
Safe. M. Nanni. No. 1,283,866; Nov. 5; v. 256; p. 113.
Safe. T. E. Nordberg. No. 1,260,700; Mar. 26; v. 248; p. 899.
Safe. J. Rauwald. No. 1,254,433; Jan. 22; v. 246; p. 948.
Safe-deposit boxes. Recording apparatus for. J. Patten and E. B. Miller. No. 1,274,761; Aug. 6; v. 253; p. 120.
Safe-doors. Lever-handle for. R. C. Lewis. No. 1,271,331; July 2; v. 252; p. 163.

Safe or vault, Burglar-proof. H. W. Heller. No. 1,258,567; Mar. 5; v. 248; p. 181.
Safe or vault construction. G. A. Needham. No. 1,269,206; June 11; v. 251; p. 339.
Safe-protecting device. R. O. Pierce. No. 1,282,929; Oct. 29; v. 255; p. 895.
Safe, Wall-. P. H. McNamee. No. 1,261,046; Apr. 2; v. 249; p. 17.
Safety and throw-off mechanism, Combined. C. F. Root. No. 1,289,273; Dec. 31; v. 257; p. 877.
Safety appliance. E. T. Eaves. No. 1,279,095; Sept. 17; v. 254; p. 532.
Safety attachment. T. Stobs. No. 1,257,148; Feb. 19; v. 247; p. 671.
Safety attachment for machines. A. Stier. No. 1,257,759; Feb. 26; v. 247; p. 886.
Safety bolt and nut. J. Paul. No. 1,287,415; Dec. 10; v. 257; p. 339.
Safety bolt and nut. S. Savickis. No. 1,288,215; Dec. 17; v. 257; p. 568.
Safety-brake, Automatic. F. J. De Soto. No. 1,251,871; Jan. 1; v. 246; p. 129.
Safety-brake, Automatic. F. J. De Soto. No. 1,281,530; Oct. 15; v. 255; p. 448.
Safety-brake for automobiles and other vehicles. L. J. Harvey. No. 1,272,337; July 9; v. 252; p. 478.
Safety-burner. L. S. Chadwick. No. 1,268,216; June 4; v. 251; p. 41.
Safety control, Automatic. W. W. Dick. No. 1,285,568; Nov. 19; v. 256; p. 614.
Safety cranking device. A. I. Sandbo. No. 1,288,443; Dec. 17; v. 257; p. 621.
Safety-deposit box for home use. F. E. Sebring and H. E. Murphy. No. 1,263,712; Apr. 23; v. 249; p. 842.
Safety device. O. Greiner. No. 1,268,114; June 4; v. 251; p. 13.
Safety device. G. S. Hill. No 1,266,017; May 14; v. 250; p. 345.
Safety device. C. C. Mason. No. 1,267,682; May 28; v. 250; p. 864.
Safety device. J. N. Weikly. No. 1,265,845; May 14; v. 250; p. 397.
Safety device for forging manipulators. D. Kendall. No. 1,281,893; Oct. 15; v. 255; p. 412.
Safety foot-accelerator. W. Corey. No. 1,287,890; Dec. 17; v. 257; p. 487.
Safety-fuse switch. C. L. Matthews and W. A. Heinrich. No. 1,288,951; Dec. 24; v. 257; p. 773.
Safety gage-glass. G. Ernst. No. 1,289,709; Dec. 31; v. 257; p. 984.
Safety-gate. C. Giuffré. No. 1,275,418; Aug. 13; v. 253; p. 327.
Safety-guard. E. W. Pinkerton. No. 1,289,536; Dec. 31; v. 257; p. 942.
Safety-guard for machines. E. T. Yeo and W. A. Wiesman. No. 1,265,019; May 7; v. 250; p. 41.
Safety hoisting-hook. L. P. Thestrup. No. 1,285,466; Nov. 19; v. 256; p. 589.
Safety-hook. J. Boatright. No. 1,289,096; Dec. 31; v. 257; p. 832.
Safety-hook. N. Pearson. No. 1,272,705; July 16; v. 252; p. 609.
Safety irrigating-valve and pressure-gate. S. W. Funk. No. 1,285,110; Nov. 19; v. 256; p. 499.
Safety-lock. F. Mortensen. No. 1,277,241; Aug. 27; v. 253; p. 894.
Safety-lock. M. Seckinger. No. 1,261,060; Apr. 2; v. 249; p. 20.
Safety-lock. F. Vogelsang. No. 1,286,456; Dec. 3; v. 257; p. 67.
Safety nut-lock. D. Balshaw. No. 1,285,898; Nov. 26; v. 256; p. 737.
Safety operating mechanism. H. De Smith. No. 1,280,970; Oct. 8; v. 255; p. 261.
Safety operating mechanism. H. De Smith. No. 1,280,971; Oct. 8; v. 255; p. 262.
Safety-pin. O. C. Fetzer. No. 1,257,207; Feb. 19; v. 247; p. 688.
Safety-pin. P. C. Hunter. No. 1,281,779; Oct. 15; v. 255; p. 513.
Safety-pin. A. K. Massa. No. 1,262,537; Apr. 9; v. 249; p. 465.
Safety-pin. F. S. McKenney. No. 1,258,131; Mar. 5; v. 248; p. 53.
Safety-pin. E. R. Nebeling. No. 1,252,930; Jan. 8; v. 246; p. 463.
Safety-pin. H. B. Robinson. No. 1,274,453; Aug. 6; v. 253; p. 32.
Safety-pin guard. E. Breunig. No. 1,279,080; Sept. 17; v. 254; p. 528.
Safety-scissors and the like. W. F. Moody. No. 1,284,419; Nov. 12; v. 256; p. 287.
Safety-signal. O. J. and A. O. Evans. No. 1,251,490; Jan. 1; v. 246; p. 11.
Safety-stop apparatus. P. Theadore. No. 1,273,951; July 30; v. 252; p. 1013.
Safety-switch, Oscillating. H. S. Tittle. No. 1,278,522; Sept. 10; v. 254; p. 347.
Safety weighing attachment for elevators. H. D. Albert. No. 1,284,960; Nov. 19; v. 256; p. 459.
Saggar. J. M. Cornelison. No. 1,264,018; Apr. 23; v. 249; p. 927.
Sales-slip holder. W. H. Sawyer. No. 1,264,980; May 7; v. 250; p. 30.
Salt and pepper holder, Combined. E. E. Harris. No. 1,273,779; July 23; v. 252; p. 924.
Salt and pepper shaker. F. S. Crabtree. No. 1,284,248; Nov. 12; v. 256; p. 241.
Salt and pepper shaker. F. W. Kline. No. 1,260,208; Mar. 19; v. 248; p. 719.
Salt and pepper shaker. H. Kobayashi. No. 1,254,409; Jan. 22; v. 246; p. 942.
Salt and pepper shaker. I. W. Livingston. No. 1,267,564; May 28; v. 250; p. 831.
Salt and pepper shaker. W. O. Parker. No. 1,283,443; Oct. 29; v. 255; p. 1032.
Salt and pepper shaker, Combination. U. V. Averitt. No. 1,259,469; Mar. 19; v. 248; p. 509.
Salt and pepper shaker, Combined. E. E. Harris. No. 1,257,345; Feb. 26; v. 247; p. 764.
Salt-cellar. P. C. Reilly. No. 1,274,597; Aug. 6; v. 253; p. 74.
Salt in shakers or other receptacles, Device for drying. L. G. Yoggerst and W. A. Hutchison. No. 1,252,872; Jan. 8; v. 246; p. 445.
Salt manufacture. C. L. Weil. No. 1,273,208; July 23; v. 252; p. 774.
Salt manufacture, Method and system of. C. L. Weil. No. 1,261,831; Apr. 2; v. 249; p. 97.
Salt-shaker and pepper-grinder, Combined. E. C. Quick. No. 1,264,134; Apr. 23; v. 249; p. 957.
Salts from a mixture of salts in solution, Separating. J. W. Hornsey. No. 1,288,593; Dec. 24; v. 257; p. 686.
Salts from kelp and like materials, Recovery of pure potassium. S. R. Oppenheim. No. 1,283,547; Nov. 5; v. 256; p. 29.
Salts, Manufacturing radio-active mineral-water. J. H. H. Jacobsen. No. 1,253,830; Jan. 15; v. 246; p. 758.
Salts of anthraquinone sulfonic acids, Making. E. G. Griffin. No. 1,260,535; Mar. 26; v. 248; p. 850.
Salvage apparatus. J. D. Hilliard. No. 1,262,341; Apr. 9; v. 249; p. 409.
Salvaging apparatus. A. H. Nylen. No. 1,272,302; July 9; v. 252; p. 469.
Sample-case. H. Braen. No. 1,264,150; Apr. 30; v. 249; p. 995.
Sample-case. M. M. Hammond. No. 1,280,453; Oct. 1; v. 255; p. 94.
Sample-dispenser. L. J. Fairbanks. No. 1,278,450; Sept. 10; v. 254; p. 327.
Sample-dispenser. L. J. Fairbanks. No. 1,281,922; Oct. 15; v. 255; p. 553.
Sample-mounting machine. J. Fredrickson and F. A. Risberg. No. 1,268,955; June 11; v. 251; p. 267.
Sample-tab. B. F. Stenz. No. 1,283,592; Nov. 5; v. 256; p. 40.
Sampling-machine. W. B. Ware. No. 1,274,962; Aug. 6; v. 253; p. 176.
Sand and gravel washing and separating machine. F. Krenzer. No. 1,254,410; Jan. 22; v. 246; p. 942.
Sand and water heater. A. Olson. No. 1,275,464; Aug. 13; v. 253; p. 340.
Sand-beater. A. G. J. Rapp. No. 1,280,838; Oct. 8; v 255; p. 228.
Sand-box. J. O. Madison. No. 1,287,720; Dec. 17; v. 257; p. 445.
Sand-box for wheels. E. Johnson. No. 1,254,327; Jan. 22; v. 246; p. 918.
Sand-conveyer. T. Volsky. No. 1,259,176; Mar. 12; v. 248; p. 395.
Sand-drier. C. S. French. No. 1,276,514; Aug. 20; v. 253; p. 663.
Sand-feeding device. A. A. Fryer. No. 1,264,383; Apr. 30; v. 249; p. 1061.
Sand molds for and casting cup-shaped articles, Preparing. D. J. Ryan. No. 1,255,468; Feb. 5; v. 247; p. 102.
Sand, Reamer for oil and gas bearing. A. Otto. No. 1,285,347; Nov. 19; v. 256; p. 559.
Sander, Vacuum-. C. A. Pratte. No. 1,263,106. Apr. 16; v. 249; p. 657.
Sanding apparatus, Triple. H. Vissering. No. 1,275,108; Aug. 6; v. 253; p. 217.
Sanding-machine. R. L. Carter. No. 1,277,377; Sept. 3; v. 254; p. 12
Sanding-machine. H. E. Manofsky. No. 1,286,697; Dec. 3; v. 257; p. 124.
Sanding-machine. M. C. Mulcahy. No. 1,288,964; Dec. 24; v. 257; p. 776.
Sanding-machine. G. M. Watters. No. 1,271,639; July 9; v. 252; p. 282.
Sandpapering and grinding machine. J. M. Downer. No. 1,259,494; Mar. 19; v. 248; p. 516.
Sandpapering-machine. E. V. Morreau. No. 1,253,080; Jan. 8; v. 246; p. 511.
Sandal, Trench-. C. O. Roe. No. 1,276,964; Aug. 27; v. 253; p. 821.
Sanitary chair. J. H. Weatherford. No. 1,252,751; Jan. 8; v. 246; p. 413.
Sanitary chemical-closet. H. Y. Scarborough. No. 1,284,789; Nov. 12; v. 256; p. 377.
Sanitary closet. H. Y. Scarborough. No. 1,264,873; Apr. 30; v. 249; p. 1195.
Sanitary closet and seat, Combination portable. P. J. Haas. No. 1,270,409; June 25; v. 251; p. 724.

Sanitary cover for containers. C. Shaw. No. 1,286,808; Dec. 3; v. 257; p. 148.
Sanitary poultry-nest. J. H. Weldon. No. 1,288,325; Dec. 17; v. 257; p. 593.
Sanitary seat-cover for toilets. L. M. Ennis. No. 1,284,077; Nov. 5; v. 256; p. 169.
Sanitary trap. R. N. Murphy. No. 1,268,379; June 4; v. 251; p. 88.
Sap-gatherer. R. G. Orvin. No. 1,283,878; Nov. 5; v. 256; p. 117.
Saplings and the like, Cutter for second-growth. G. H. Ulrich. No. 1,269,881; June 18; v. 251; p. 558.
Sardine-can. G. A. Leighton. No. 1,277,738; Sept. 8; v. 254; p. 113.
Sash-balance. C. A. Bates. No. 1,255,691; Feb. 5; v. 247; p. 167.
Sash-balance. W. Bennett. No. 1,254,647; Jan. 29; v. 246; p. 1038.
Sash-balance. E. S. Hopkins. No. 1,256,133; Feb. 12; v. 247; p. 337.
Sash, Balanced window-. W. Bayley. No. 1,258,388; Mar. 5; v. 248; p. 127.
Sash-bar, Metallic. C. E. McGowan. No. 1,268,032; May 28; v. 250; p. 963.
Sash bower, Window-. C. L. Johnson. No. 1,253,180; Jan. 8; v. 246; p. 539.
Sash closer, Automatic window-. J. T. Cockey. No. 1,279,843; Sept. 24; v. 254; p. 763.
Sash construction. C. P. Pond. No. 1,283,555; Nov. 5; v. 256; p. 30.
Sash construction, Window-. C. H. Anderson. No. 1,273,715; July 23; v. 252; p. 907.
Sash construction, Window-. C. H. Anderson. No. 1,273,716; July 23; v. 252; p. 908.
Sash-cord fastener. H. A. Wulf. No. 1,257,438; Feb. 26; v. 247; p. 789.
Sash-cord holder. P. Bryant. No. 1,266,397; May 14; v. 250; p. 449.
Sash-cord holder. L. J. Westness. No. 1,268,194; June 4; v. 251; p. 35.
Sash-fastener. J. F. Appell. No. 1,259,586; Mar. 19; v. 248; p. 542.
Sash-fastener. W. Crosta. No. 1,276,333; Aug. 20; v. 253; p. 612.
Sash-fastener. C. De Voe. No. 1,253,474; Jan. 15; v. 246; p. 655.
Sash-fastener. E. Fisher. No. 1,273,169; July 23; v. 252; p. 763.
Sash-fastener. J. Sklar. No. 1,288,244; Dec. 17; v. 257; p. 575.
Sash fastener and lift, Combined window-. G. W. Stein. No. 1,278,052; Sept. 3; v. 254; p. 196.
Sash fastener, lifter, and antirattler, Combined window-. C. E. Clews. No. 1,275,531; Aug. 13; v. 253; p. 358.
Sash fastener, Storm-. O. H. Bardill. No. 1,273,129; July 23; v. 252; p. 752.
Sash fastener, Window-. C. V. Monson. No. 1,255,548; Feb. 5; v. 247; p. 126.
Sash for porch constructions, Disappearing. F. H. Gathercoal. No. 1,263,756; Apr. 23; v. 249; p. 854.
Sash for show-windows, Condensation-. W. P. Francis. No. 1,262,477; Apr. 9; v. 249; p. 448.
Sash-hanger. H. T. Nowotny. No. 1,279,749; Sept. 24; v. 254; p. 735.
Sash-hanger. J. J. Weinmann. No. 1,288,323; Dec. 17; v. 257; p. 592.
Sash-hanging means. L. Petersen. No. 1,259,041; Mar. 12; v. 248; p. 357.
Sash-holder. J. E. Malkin. No. 1,276,790; Aug. 27; v. 253; p. 775.
Sash-holder. G. J. O'Donnell. No. 1,271,517; July 2; v. 252; p. 213.
Sash holder and latch, Window-. L. J. Brune. No. 1,257,457; Feb. 26; v. 247; p. 796.
Sash-latch lock and antirattler. B. W. Whitworth. No. 1,284,518; Nov. 12; v. 256; p. 310.
Sash-lock. F. E. Croy. No. 1,252,405; Jan. 8; v. 246; p. 312.
Sash-lock. H. C. Dorn. No. 1,289,413; Dec. 31; v. 257; p. 912.
Sash-lock. W. M. Herrington. No. 1,266,804; May 21; v. 250; p. 594.
Sash-lock. D. Hoyt. No. 1,253,826; Jan. 15; v. 246; p. 756.
Sash-lock. J. Keller. No. 1,275,443; Aug. 13; v. 253; p. 334.
Sash-lock. J. Vilardo. No. 1,287,529; Dec. 10; v. 257; p. 365.
Sash-lock. A. Wolf. No. 1,258,072; Mar. 5; v. 248; p. 35.
Sash-lock, Automatic. H. Berman. No. 1,272,900; July 16; v. 252; p. 665.
Sash-lock, Burglar-proof. J. Gianninoto. No. 1,253,810; Jan. 15; v. 246; p. 750.
Sash lock, Window-. T. W. Rickel. No. 1,271,772; July 9; v. 252; p. 317.
Sash, Metal. J. Kirby, Jr., and T. Scullin. No. 1,268,581; June 4; v. 251; p. 145.
Sash, Metallic. W. Roper. No. 1,259,778; Mar. 19; v. 248; p. 596.
Sash mounting, Window-. A. C. Soule. No. 1,271,380; July 2; v. 252; p. 176.
Sash-operator. E. Rheims and L. Auscher. No. 1,260,711; Mar. 26; v. 248; p. 902.
Sash-retainer. E. R. Edwards. No. 1,254,891; Jan. 29; v. 246; p. 1114.
Sash-tool. W. P. Casey. No. 1,268,215; June 4; v. 251; p. 41.
Sash, Ventilating window-. A. L. Evans. No. 1,256,452; Feb. 12; v. 247; p. 432.
Sash, Window-. W. Bayley. No. 1,258,300; Mar. 5; v. 248; p. 102.
Sash, Window-. J. C. Myers. No. 1,258,432; Mar. 5; v. 248; p. 141.
Sash, Window-. J., Sr., and F. Rauwald. No. 1,274,782; Aug. 6; v. 253; p. 126.
Sash, Window-. H. H. Schroyer. No. 1,256,046; Feb. 12; v. 247; p. 310.
Sash, Window-. W. E. Smith. No. 1,265,541; May 7; v. 250; p. 182.
Sashes and forming the same, Joint for metal. A. W. Johnson. No. 1,272,809; July 16; v. 252; p. 638.
Sashes, Antirattler for window-. C. W. Lane. No. 1,273,625; July 23; v. 252; p. 885.
Sashes, Brake and lock for sliding. E. M. Hicks. No. 1,283,514; Nov. 5; v. 256; p. 21.
Sashes, Locking device for pivoted window-. E. B. Shand. No. 1,278,235; Sept. 10; v. 254; p. 271.
Sashes, Mechanism for operating swinging. H. E. Hersh. No. 1,254,628; Jan. 22; v. 246; p. 1005.
Sashes, Retaining means for window-. D. J. Dunbar. No. 1,270,387; June 25; v. 251; p. 718.
Sashes, Safety device for vertically-moving doors and window-. B. Wexler. No. 1,280,920; Oct. 8; v. 255; p. 249.
Sashes to screens, Means for locking window-. L. A. Kling and C. F. Dennis. No. 1,276,376; Aug. 20; v. 253; p. 625.
Sashes, Ventilating-stop for window-. H. H. Hatch. No. 1,264,181; Apr. 30; v. 249; p. 1004.
Sashes, Window-frame and slip-sill for drop-. J. H. Ramberg and O. A. Merman. No. 1,272,093; July 9; v. 252; p. 410.
Satchel, Electrically-lighted. C. H. Holton. No. 1,268,846; June 11; v. 251; p. 238.
Satchel, Electrified. H. S. Jones. No. 1,288,909; Dec. 24; v. 257; p. 762.
Satchel-handle. D. W. Lorden. No. 1,286,366; Dec. 3; v. 257; p. 45.
Satchels and the like, Safety attachment. M. Winkler. No. 1,256,966; Feb. 19; v. 247; p. 619.
Saturating-machine. C. W. Mayer. No. 1,288,642; Dec. 24; v. 257; p. 699.
Saturating stock, Machine for. E. J. Cady. No. 1,275,216; Aug. 13; v. 253; p. 271.
Saucepan. A. M. Knight. No. 1,268,017; May 28; v. 250; p. 959.
Sausage-casings, Making. P. E. Comegys. No. 1,260,755; Mar. 26; v. 248; p. 915.
Sausage-linker. G. Schlereth. No. 1,289,930; Dec. 31; v. 257; p. 1039.
Save-all. E. W. Lindquist. No. 1,270,422; June 25; v. 251; p. 727.
Savings-account systems, Means for carrying out. E. G. Liebold. No. 1,284,913; Nov. 12; v. 256; p. 411.
Savings-bank. Pocket. M. V. Mehren. No. 1,280,517; Oct. 1; v. 255; p. 112.
Saw. J. Bairs. No. 1,274,231; July 30; v. 252; p. 1091.
Saw. L. Buresch. No. 1,259,831; Mar. 19; v. 248; p. 612.
Saw. H. C. Gamage. No. 1,252,424; Jan. 8; v. 246; p. 318.
Saw. J. A. Jurdan. No. 1,262,955; Apr. 16; v. 249; p. 612.
Saw. J. M. Kanall. No. 1,254,328; Jan. 22; v. 246; p. 919.
Saw. R. A. Morrisey. No. 1,281,810; Oct. 15; v. 255; p. 522.
Saw. F. J. Scott. No. 1,276,579; Aug. 20; v. 253; p. 681.
Saw. C. A. Sherbeck. No. 1,262,987; Apr. 16; v. 249; p. 622.
Saw. W. H. Whited and E. N. Gilstrap. No. 1,286,465; Dec. 3; v. 257; p. 69.
Saw and feeder, Stone. G. Griesche. No. 1,256,684; Feb. 19; v. 247; p. 536.
Saw, Band-. R. C. Berry. No. 1,287,193; Dec. 10; v. 257; p. 284.
Saw, Band-. H. Wardman. No. 1,280,341; Oct. 1; v 255; p. 63.
Saw, Bevel-cutting. G. R. Merkley. No. 1,273,393; July 23; v. 252; p. 822.
Saw-carriages, Operating means for. C. Johnson. No. 1,278,157; Sept. 10; v. 254; p. 249.
Saw, Chain. G. Meyer. No. 1,273,394; July 23; v. 252; p. 823.
Saw-clamp. J. Bolliger. No. 1,288,817; Dec. 24; v. 257; p. 740.
Saw-clamp. E. N. Hussey. No. 1,254,597; Jan. 22; v. 246; p. 996.
Saw, Detachable-segment. S. T. Freas. No. 1,274,255; July 30; v. 252; p. 1097.
Saw, Detachable-segment. S. T. Freas. No. 1,278,630; Sept. 10; v. 254; p. 376.

Saw, Drag-. G. W. Godfrey. No. 1,255,737; Feb. 5; v. 247; p. 181.
Saw, Duplex. C. E. Van Auken. No. 1,277,786; Sept. 3; v. 254; p. 127.
Saw, Duplex oscillating. C. E. Van Auken. No. 1,274,820; Aug. 6; v. 253; p. 136.
Saw-filing clamp. H. J. Davis. No. 1,263,652; Apr. 23; v. 249; p. 827.
Saw-filing gage. A. Johnson. No. 1,270,032; June 18; v. 251; p. 597.
Saw-filing machine. H. A. Desparois. No. 1,267,062; May 21; v. 250; p. 666.
Saw-filing machine. F. H. Hall. No. 1,269,705; June 18; v. 251; p. 508.
Saw-filing machine. J. L. Keil. No. 1,264,528; Apr. 30; v. 249; p. 1102.
Saw frame, Crosscut-. T. J. Ellis. No. 1,264,036; Apr. 23; v. 249; p. 932.
Saw-gage. S. R. Emerson. No. 1,257,826; Feb. 26; v. 247; p. 906.
Saw-gage. L. S. Jones. No. 1,281,168; Oct. 8; v. 255; p 317.
Saw-gage, Adjustable tension. T. N. Jordan, Jr. No. 1,258,575; Mar. 5; v. 248; p. 183.
Saw, Granite and stone. G. Griesche. No. 1,256,685; Feb. 19; v. 247; p. 536.
Saw-grinding machine. J. A. Carothers. No. 1,281,512; Oct. 15; v. 255; p. 443.
Saw-guard. G. H. Adam. No. 1,282,165; Oct. 22; v. 255; p. 659.
Saw-guard. G. T. Johnson. No. 1,271,473; July 2; v. 252; p. 200.
Saw-guard. E. E. Jones. No. 1,255,886; Feb. 12; v. 247; p. 264.
Saw-guard and splitter. J. G. Tattersall. No. 1,258,961; Mar. 12; v. 248; p. 332.
Saw guard, Band-. K. H. Miller and F. A. Dunn. No. 1,258,695; Mar. 12; v. 248; p. 256.
Saw-guide. J. F. Cumming. No. 1,280,414; Oct. 1; v 255; p. 84.
Saw-guide. J. L. Stenquist. No. 1,280,577; Oct. 1; v. 255; p. 128.
Saw guide and support. W. E. James. No. 1,283,785; Nov. 5; v. 256; p. 90.
Saw guide, Band-. A. Lien. No. 1,263,443; Apr. 23; v. 249; p. 771.
Saw-guide, Upper. F. L. Walker and H. G. Dittbenner. No. 1,260,837; Mar. 26; v. 248; p. 937.
Saw-handle. J. W. Berryman. No. 1,264,145; Apr. 30; v. 249; p. 994.
Saw-handle. T. B. Holmes. No. 1,260,198; Mar. 19; v. 248; p. 717.
Saw-handle. M. Ruth. No. 1,277,131; Aug. 27; v. 253; p. 867.
Saw handle, Crosscut-. A. Amundson. No. 1,268,664; June 4; v. 251; p. 169.
Saw handle, Crosscut-. K. G. Gustafson. No. 1,252,105; Jan. 1; v. 246; p. 195.
Saw, Insertible-tooth. S. T. Freas. No. 1,281,935; Oct. 15; v. 255; p. 556.
Saw machine, Band-. G. J. Bayliff. No. 1,260,128; Mar. 19; v. 248; p. 697.
Saw machine, Band-. M. E. Shinn. No. 1,264,339; Apr. 30; v. 249; p. 1048.
Saw machine, Circular-. R. X. Landoll. No. 1,269,288; June 11; v. 251; p. 361.
Saw machine, Circular-. S. M. Taylor and A. D. Osborn. No. 1,273,422; July 23; v. 252; p. 830.
Saw machine, Gang-. W. M. Wilkin. No. 1,262,421; Apr. 9; v. 249; p. 432.
Saw mill, Band-. G. E. Good. No. 1,270,285; June 25; v. 251; p. 689.
Saw mill, Band-. F. L. Walker and H. G. Dittbenner. No. 1,259,569; Mar. 19; v. 248; p. 537.
Saw-mount. W. H. Trout. No. 1,251,844; Jan. 1; v. 246; p. 122.
Saw-mounting. W. S. Sherman. No. 1,271,233; July 2; v. 252; p. 136.
Saw, Pneumatically-operated chain. C. J. Olson. No. 1,260,701; Mar. 26; v. 248; p. 899.
Saw, Pneumatically-operated chain. C. J. Olson. No. 1,260,702; Mar. 26; v. 248; p. 899.
Saw, Precision-. C. L. Partridge. No. 1,283,551; Nov. 5; v. 256; p. 29.
Saw-set. A. B. Anderson and J. L. Petersen. No. 1,258,734; Mar. 12; v. 248; p. 267.
Saw-set. H. P. Benner. No. 1,263,191; Apr. 16; v. 249; p. 680.
Saw-set. T. W. Chalender. No. 1,268,681; June 4; v. 251; p. 173.
Saw-set. E. Moore. No. 1,254,427; Jan. 22; v. 246; p. 947.
Saw-set. A. F. Patterson. No. 1,280,079; Sept. 24; v. 254; p. 829.
Saw-set. W. H. Strickland. No. 1,265,277; May 7; v. 250; p. 112.
Saw-set. I. O. Stuvland. No. 1,274,468; Aug. 6; v. 253; p. 37.
Saw-setting tool. F. L. McConnell. No. 1,263,447; Apr. 23; v. 249; p. 772.
Saw structure. G. T. Johnson. No. 1,278,814; Sept. 10; v. 254; p. 426.
Saw-swage. J. F. Pribnow. No. 1,284,141; Nov. 5; v. 256; p. 186.
Saw-table feeding mechanism. J. T. Leach. No. 1,265,215; May 7; v. 250; p. 95.
Saw teeth, Forming or renewing gin or linter. R. L. Butters. No. 1,277,375; Sept. 3; v. 254; p. 11.
Saw-tool. G. E. Turner. No. 1,272,153; July 9; v. 252; p. 427.
Saw-tooth. J. Dragon and C. Anderson. No. 1,252,672; Jan. 8; v. 246; p. 390.
Saw, Trimmer-. W. H. Lieber. No. 1,279,721; Sept. 24; v. 254; p. 726.
Saw-trimmers, Power lifting mechanism for. I. L. Skeith and W. B. Burrows. No. 1,267,130; May 21; v. 250; p. 686.
Saw-vise. A. F. McKenzie. No. 1,266,135; May 14; v. 250; p. 379.
Saw, Woodworker's. S. Maher. No. 1,272,691; July 16; v. 252; p. 605.
Saws, Device for hanging circular. O. Schuler and W. Buschmann, Jr. No. 1,286,799; Dec. 3; v. 257; p. 146.
Saws, Machine for filing and gumming. N. A. Deaver. No. 1,277,555; Sept. 3; v. 254; p. 61.
Saws, Means for setting circular. J. F. Morrisey. No. 1,266,703; May 21; v. 250; p. 565.
Saws, Means for shaping the raker-teeth of. J. M. Emerick. No. 1,271,295; July 2; v. 252; p. 153.
Saws, Steam log-holder for cut-off. W. H. Trout. No. 1,254,946; Jan. 29; v. 246; p. 1129.
Saws, Undercutter-guide for crosscut-. I. C. Drake. No. 1,277,050; Aug. 27; v. 253; p. 843.
Sawhorse. A. F. Beardsley. No. 1,261,007; Apr. 2; v. 249; p. 5.
Sawing apparatus. W. E. Wright. No. 1,261,669; Apr. 2; v. 249; p. 192.
Sawing device, Log-. W. Sabin. No. 1,255,635; Feb. 12; v. 247; p. 277.
Sawing logs. J. E. Johanson and C. G. Tigerstedt. No. 1,252,445; Jan. 8; v. 246; p. 323.
Sawing-machine. S. Bumpus. No. 1,266,916; May 21; v. 250; p. 624.
Sawing-machine. H. W. Ford. No. 1,287,947; Dec. 17; v. 257; p. 502.
Sawing-machine. R. Green. No. 1,283,738; Nov. 5; v. 256; p. 79.
Sawing-machine. E. Madison. No. 1,281,988; Oct. 15; v. 255; p. 568.
Sawing-machine, Band. F. F. Rudy. No. 1,285,801; Nov. 26; v. 256; p. 713.
Sawing machine, Drag wood-. C. M. Blackburn. No. 1,263,025; Apr. 16; v. 249; p. 632.
Sawing-machine, Portable. A. H. Bastian. No. 1,280,369; Oct. 1; v. 255; p. 71.
Sawing machine, Stone-. G. L. Timpano. No. 1,266,350; May 14; v. 250; p. 437.
Sawing machine, Tree-. F. Delas. No. 1,263,385; Apr. 23; v. 249; p. 753.
Sawing machine, Wood-. D. L. Crist. No. 1,257,680; Feb. 26; v. 247; p. 862.
Sawing machine, Wood-. L. G. Gustafson. No. 1,262,943; Apr. 16; v. 249; p. 609.
Sawing machine, Wood-. T. Urbanski. No. 1,266,355; May 14; v. 250; p. 438.
Sawing-machines and the like, Clamping mechanism for. A. P. Hochstein. No. 1,281,161; Oct. 8; v. 255; p. 316.
Sawmill-carriage. S. Forsythe. No. 1,283,490; Nov. 5; v. 256; p. 15.
Sawmill-carriages, Offset for. C. M. Madsen. No. 1,252,132; Jan. 1; v. 246; p. 202.
Sawmill-carriages, Track-cleaner for. F. M. Zorn. No. 1,274,657; Aug. 6; v. 253; p. 91.
Sawmill safety device. P. L. Forbes. No. 1,263,221; Apr. 16; v. 249; p. 688.
Sawmill set-works. E. Massey. No. 1,272,289; July 9; v. 252; p. 464.
Scabbard. H. P. Maxim. No. 1,276,554; Aug. 20; v. 253; p. 674.
Scaffold. N. Areson. No. 1,260,123; Mar. 19; v. 248; p. 696.
Scaffold. O. M. Du Brau. No. 1,279,299; Sept. 17; v. 254; p. 586.
Scaffold. B. F. Forsyth. No. 1,271,557; July 9; v. 252; p. 258.
Scaffold. A. W. French. No. 1,270,401; June 25; v. 251; p. 722.
Scaffold. T. C. Johansen. No. 1,273,231; July 23; v. 252; p. 779.
Scaffold. W. K. Saint. No. 1,272,120; July 9; v. 252; p. 418.
Scaffold-bracket. S. S. Colt. No. 1,285,946; Nov. 26; v. 256; p. 748.
Scaffold-bracket. J. F. Hennesy. No. 1,278,925; Sept. 17; v. 254; p. 487.
Scaffold for silos, Folding. W. W. Garner. No. 1,258,402; Mar. 5; v. 248; p. 131.
Scaffold-lift. L. S. Townsend. No. 1,278,792; Sept. 10; v. 254; p. 420.
Scaffold, Portable folding. J. H. Pettis. No. 1,268,607; June 4; v. 251; p. 153.
Scaffold-supporting means. J. J. Hoffman. No. 1,252,438; Jan. 8; v. 246; p. 321.

Scaffold, Window-. A. A. Harris. No. 1,257,703; Feb. 26; v. 247; p. 870.
Scaffold, Window-. W. G. Morris. No. 1,277,458; Sept. 3; v. 254; p. 35.
Scaffolding, Suspended. E. Whitney. No. 1,270,906; July 2; v. 252; p. 43.
Scalding-tank. M. Jordan. No. 1,252,580; Jan. 8; v. 246; p. 364.
Scale. C. E. Bird. No. 1,274,977; Aug. 6; v. 253; p. 180.
Scale. J. H. A. Bousfield. No. 1,279,835; Sept. 24; v. 254; p. 761.
Scale. J. H. A. Bousfield. No. 1,284,049; Nov. 5; v. 256; p. 160.
Scale. J. R. Cary. No. 1,282,187; Oct. 22; v. 255; p. 665.
Scale. R. F. Chatillon. No. 1,251,640; Jan. 1; v. 246; p. 59.
Scale. R. F. Chatillon. No. 1,259,362; Mar. 12; v. 248; p. 446.
Scale. A. B. Clardy. No. 1,279,261; Sept. 17; v. 254; p. 575.
Scale. A. De Vilbiss, Jr. No. 1,259,455; Mar. 12; v. 248; p. 473.
Scale. S. E. Eklund. No. 1,270,801; July 2; v. 252; p. 13.
Scale. J. C. Faulkner. No. 1,286,568; Dec. 3; v. 257; p. 94.
Scale. S. Ferreira. No. 1,260,529; Mar. 26; v. 248; p. 848.
Scale. C. H. Hapgood. No. 1,256,689; Feb. 19; v. 247; p. 537.
Scale. O. M. Kirlin. No. 1,282,859; Oct. 29; v. 255; p. 876.
Scale. C. H. Little. No. 1,274,293; July 30; v. 252; p. 1107.
Scale. J. B. Martin. No. 1,264,834; Apr. 30; v. 249; p. 1184.
Scale. A. R. McFarlane. No. 1,252,916; Jan. 8; v. 246; p. 458.
Scale. F. C. Osborn. No. 1,289,885; Dec. 31; v. 257; p. 1027.
Scale. M. Spinello. No. 1,285,447; Nov. 19; v. 256; p. 584.
Scale. W. G. Templeton. No. 1,255,351; Feb. 5; v. 247; p. 68.
Scale. W. G. Templeton. No. 1,257,547; Feb. 26; v. 247; p. 824.
Scale, Automatic. B. P. Dotterer. No. 1,274,521; Aug. 6; v. 253; p. 52.
Scale, Automatic. R. J. Zanone. No. 1,269,360; June 11; v. 251; p. 381.
Scale, Automatic weighing-. S. T. Foster, Jr. No. 1,254,668; Jan. 29; v. 246; p. 1044.
Scale, Automatic weighing-. H. A. Myers. No. 1,267,580; May 28; v. 250; p. 836.
Scale, Beam-. A. W. Epright. No. 1,262,028; Apr. 9; v. 249; p. 322.
Scale-beam. F. J. Schlink. No. 1,251,584; Jan. 1; v. 246; p. 42.
Scale, Coin-controlled. M. H. Reed. No. 1,260,048; Mar. 19; v. 248; p. 676.
Scale, Coin-controlled weighing-. T. W. B. Watling. No. 1,289,060; Dec. 24; v. 257; p. 799.
Scale, Coin-controlled weighing-. M. J. Weber. No. 1,252,752; Jan. 8; v. 246; p. 413.
Scale, Computing-. T. D. Perry. No. 1,258,041; Mar. 5; v. 248; p. 27.
Scale, Computing-. E. M. Schantz. No. 1,273,414; July 23; v. 252; p. 828.
Scale, Dial-. J. H. A. Bousfield. No. 1,267,367; May 28; v. 250; p. 777.
Scale, Garment-. W. R. Tomlin. No. 1,253,303; Jan. 15; v. 246; p. 603.
Scale-holder, Adjustable. L. A. Sorby. No. 1,289,946; Dec. 31; v. 257; p. 1043.
Scale, Illuminated weighing-. S. G. Crane. No. 1,287,896; Dec. 17; v. 257; p. 489.
Scale, Liquid. A. S. Dysart. No. 1,279,304; Sept. 17; v. 254; p. 588.
Scale, Meat-. J. J. Stringer. No. 1,288,268; Dec. 17; v. 257; p. 580.
Scale, Nursery-. M. H. Hansen. No. 1,275,911; Aug. 13; v. 253; p. 464.
Scale-pan. R. F. Chatillon. No. 1,259,957; Mar. 19; v. 248; p. 650.
Scale-pan. C. J. Zinke. No. 1,280,936; Oct. 8; v. 255; p. 253.
Scale, Parcel-post. D. L. Gibson. No. 1,254,495; Jan. 22; v. 246; p. 966.
Scale, Pendulum weighing-. W. R. Howles. No. 1,251,529; Jan. 1; v. 246; p. 24.
Scale-pits, Protective covering for. A. S. Vogt. No. 1,258,725; Mar. 12; v. 248; p. 264.
Scale, Platform-. J. H. A. Bousfield. No. 1,277,038; Aug. 27; v. 253; p. 840.
Scale, Platform-. P. E. Crady and F. H. Robillard. No. 1,265,618; May 7; v. 250; p. 203.
Scale, Platform-. A. De Aguiar. No. 1,271,440; July 2; v. 252; p. 191.
Scale, Proportioning-. A. L. Bell. No. 1,279,829; Sept. 24; v. 254; p. 759.
Scale, Recording-. E. P. Quiram. No. 1,267,693; May 28; v. 250; p. 868.
Scale, Rotary. G. M. Cagle. No. 1,257,186; Feb. 19; v. 247; p. 682.
Scale, rule, and like measure of length. A. L. Newell. No. 1,273,086; July 16; v. 252; p. 714.
Scale, Specific-gravity. C. A. Becker. No. 1,272,605; July 16; v. 252; p. 579.
Scale, Spin-. T. Iuchi. No. 1,256,566; Feb. 19; v. 247; p. 501.
Scale, Track-. A. S. Vogt. No. 1,269,231; June 11; v. 251; p. 346.
Scale, Track-. M. H. Winslow. No. 1,268,197; June 4; v. 251; p. 36.
Scale, Weighing-. J. C. Barrett. No. 1,285,591; Nov. 26; v. 256; p. 659.
Scale, Weighing-. J. W. Bloomfield. No. 1,279,646; Sept. 24; v. 254; p. 706.
Scale, Weighing-. S. G. Crane. No. 1,287,645; Dec. 17; v. 257; p. 425.
Scale, Weighing-. E. R. Cross. No. 1,277,698; Sept. 3; v. 254; p. 102.
Scale, Weighing-. C. F. Fogg. No. 1,270,508; June 25; v. 251; p. 752.
Scale, Weighing-. C. H. Hapgood. No. 1,253,239; Jan. 15; v. 246; p. 585.
Scale, Weighing-. C. H. Hapgood. No. 1,285,141; Nov. 19; v. 256; p. 506.
Scale, Weighing-. H. O. Hem. No. 1,278,646; Sept. 10; v. 254; p. 380.
Scale, Weighing-. S. N. Hert. No. 1,267,549; May 28; v. 250; p. 827.
Scale, Weighing-. J. J. Mancel. No. 1,257,623; Feb. 26; v. 247; p. 846.
Scale, Weighing-. B. E. Mills. No. 1,272,835; July 16; v. 252; p. 646.
Scale, Weighing-. B. E. Mills. No. 1,272,836; July 16; v. 252; p. 646.
Scale, Weighing-. E. C. Pool. No. 1,283,556; Nov. 5; v. 256; p. 31.
Scale, Weighing-. O. C. Reeves. No. 1,278,748; Sept. 10; v. 254; p. 408.
Scale, Weighing-. H. C. Schaper. No. 1,278,029; Sept. 3; v. 254; p. 190.
Scale, Weighing-. W. Simonsson. No. 1,254,369; Jan. 22; v. 246; p. 931.
Scale, Weighing-. W. G. Templeton. No. 1,269,759; June 18; v. 251; p. 522.
Scale, Weighing-. J. L. Theobald. No. 1,278,788; Sept. 10; v. 254; p. 419.
Scale, Weighing-. M. J. Weber. No. 1,261,661; Apr. 2; v. 249; p. 190.
Scale, Weighing-. L. C. Wetzel. No. 1,253,318; Jan. 15; v. 246; p. 608.
Scale, Weighing-. L. C. Wetzel. No. 1,262,725; Apr. 16; v. 249; p. 547.
Scale, Weighing-. A. J. Zimmerman. No. 1,267,344; May 21; v. 250; p. 743.
Scale, Weighing-. A. J. Zimmerman. No. 1,271,497; July 2; v. 252; p. 207.
Scales, Bearing for. G. C. Devitt. No. 1,273,155; July 23; v. 252; p. 760.
Scales, Compensating pendulum-weight mechanism for dial-. M. J. Lachance. No. 1,268,855; June 11; v. 251; p. 241.
Scales, Drainage system for track-. A. S. Vogt. No. 1,257,553; Feb. 26; v. 247; p. 825.
Scales, Shaft for cylinder-. H. O. Hem. No. 1,285,164; Nov. 19; v. 256; p. 512.
Scales, Weight-registering attachment for. H. R. Sessions. No. 1,282,646; Oct. 22; v. 255; p. 789.
Scarecrow. R. E. Matthews. No. 1,286,380; Dec. 3; v. 257; p. 48.
Scarf-fastener. J. Warburg. No. 1,288,317; Dec. 17; v. 257; p. 591.
Scarf-holder. L. Spängler. No. 1,265,542; May 7; v. 250; p. 182.
Scarifier. J. F. Richardson. No. 1,252,950; Jan. 8; v. 246; p. 470.
Scenic-effect production. R. W. Tully. No. 1,281,720; Oct. 15; v. 255; p. 497.
Scenic mechanism. A. G. Childe. No. 1,266,213; May 14; v. 250; p. 401.
School-bench. C. M. Biedma. No. 1,276,713; Aug. 27; v. 253; p. 756.
Scissors and shears, Pivot for. J. J. Conway. No. 1,272,385; July 16; v. 252; p. 519.
Scissors attachment. F. H. L. Juhl. No. 1,251,893; Jan. 1; v. 246; p. 135.
Scissors, Buttonhole-. I. MacLean. No. 1,256,916; Feb. 19; v. 247; p. 604.
Scissors, Manufacture of manicure-. W. R. Watrous. No. 1,285,852; Nov. 26; v. 256; p. 726.
Scissors, Safety-. A. Malsin. No. 1,279,389; Sept. 17; v. 254; p. 612.
Scoop. J. W. Beacom. No. 1,289,087; Dec. 31; v. 257; p. 830.
Scoop. D. O. Taylor. No. 1,266,881; May 21; v. 250; p. 614.
Scoop-board and end-gate, Combined. S. Pentico. No. 1,254,932; Jan. 29; v. 246; p. 1125.

Alphabetical list of inventions—Continued.

Scoop, Grain-. I. Lindberg. No. 1,266,833; May 21; v. 250; p. 601.
Score-counter. A. G. E. Lowman. No. 1,289,838; Dec. 31; v. 257; p. 1016.
Score-sheet, Bridge. P. W. Petersen. No. 1,284,763; Nov. 12; v. 256; p. 371.
Scow, Fish-carrying. C. J. Alexander. No. 1,262,426; Apr. 9; v. 249; p. 434.
Scraper. W. A. Carpenter. No. 1,260,325; Mar. 26; v. 248; p. 787.
Scraper. H. D. Pratt. No. 1,266,153; May 14; v. 250; p. 384.
Scraper. J. E. Sears. No. 1,265,394; May 7; v. 250; p. 143.
Scraper. J. G. Steele. No. 1,253,901; Jan. 15; v. 246; p. 777.
Scraper and excavator, Drag. A. A. Charbondaux. No. 1,258,090; Mar. 5; v. 248; p. 41.
Scraper, Disk-. H. S. Dickinson. No. 1,251,874; Jan. 1; v. 246; p. 130.
Scraper-dumper. M. A. Murray. No. 1,276,559; Aug. 20; v. 253; p. 675.
Scraper, Dumping-. J. E. McClain. No. 1,271,485; July 2; v. 252; p. 203.
Scraper, Earth-. A. R. Miskin. No. 1,269,484; June 11; v. 251; p. 414.
Scraper, Floor-. A. Nelson. No. 1,268,873; June 11; v. 251; p. 246.
Scraper, Road-. G. Osborne. No. 1,273,654; July 23; v. 252; p. 894.
Scraper, Road-. G. J. Porter. No. 1,260,800; Mar. 26; v. 248; p. 927.
Scraper, Subgrade-. E. G. Carr. No. 1,268,925; June 11; v. 251; p. 260.
Scraper, Wheel-. J. D. Conroy. No. 1,253,155; Jan. 8; v. 246; p. 532.
Scraper, Wheeled. S. Walker. No. 1,269,347; June 11; v. 251; p. 378.
Scraper, Wheeled dirt-. S. F. Mougin. No. 1,258,238; Mar. 5; v. 248; p. 83.
Scraping, grading, and ditching machine, Road. G. R. Cook. No. 1,265,702; May 7; v. 250; p. 225.
Screed. J. Kahn. No. 1,262,056; Apr. 9; v. 249; p. 330.
Screen: *See*—
Air-screen.
Centrifugal screen.
Collapsible household-screen.
Coke-screen.
Door-screen.
Filter-screen.
Fish-screen.
Fly-screen.
Folding screen.
Insect-screen.
Lamp-screen.
Lens-screen.
Ore-screen.
Paper-screen.
Photographic color-screen.
Picture-screen.
Port-light screen.
Projected-light screen.
Projection-screen.
Pump-screen.
Roller-screen.
Vehicle wind-screen.
Wall-screen.
Well-screen.
Window-screen.
Wire-mesh filtering-screen.
Screen. C. J. Coleman. No. 1,258,192; Mar. 5; v. 248; p. 70.
Screen. G. F. Greenwell. No. 1,270,287; June 25; v. 251; p. 690.
Screen. A. G. Houck. No. 1,289,778; Dec. 31; v. 257; p. 1001.
Screen. J. O'Brien. No. 1,286,888; Dec. 3; v. 257; p. 166.
Screen. G. F. Spooner. No. 1,285,448; Nov. 19; v. 256; p. 584.
Screen. W. Steger. No. 1,260,589; Mar. 26; v. 248; p. 866.
Screen. W. J. B. Taylor. No. 1,271,389; July 2; v. 252; p. 178.
Screen and storm-sash hanger. H. Greenfield. No. 1,278,456; Sept. 10; v. 254; p. 328.
Screen attachment. F. Fulton. No. 1,260,975; Mar. 26; v. 248; p. 973.
Screen-door attachment. G. B. Frost. No. 1,279,319; Sept. 17; v. 254; p. 592.
Screen-fastener. T. E. Charlberg. No. 1,270,117; June 18; v. 251; p. 618.
Screen-frame. H. C. Bujack. No. 1,257,183; Feb. 19; v. 247; p. 681.
Screen-frame. J. L. Cabral. No. 1,285,613; Nov. 26; v. 256; p. 664.
Screen-frame. F. H. Fredman. No. 1,285,973; Nov. 26; v. 256; p. 756.
Screen frame, Fabric-. G. W. Newgass. No. 1,277,248; Aug. 27; v. 253; p. 896.
Screen-gate, Automatic. H. B. Smith. No. 1,256,837; Feb. 19; v. 247; p. 580.
Screen or window lock. J. J. Thomas and L. L. Vaughan. No. 1,257,051; Feb. 19; v. 247; p. 644.
Screen-wire rack. D. M. Goddard. No. 1,278,906; Sept. 17; v. 254; p. 482.
Screen-wire rack. L. Robinson. No. 1,289,002; Dec. 24; v. 257; p. 785.
Screens, Fly-escape for. F. Hembes. No. 1,260,261; Mar. 19; v. 248; p. 735.
Screens, Removing the pulp from continuously-moving. A. J. Skjenneberg. No. 1,263,476; Apr. 23; v. 249; p. 780.
Screens, Segment for sizing. A. H. Yoder and E. Hagerty. No. 1,279,630; Sept. 24; v. 254; p. 701.
Screening and separating machine. I. A. De Polo. No. 1,274,014; July 30; v. 252; p. 1029.
Screening apparatus. E. E. Allen. No. 1,263,834; Apr. 23; v. 249; p. 876.
Screening apparatus. P. J. Alwart. No. 1,284,034; Nov. 5; v. 256; p. 156.
Screening apparatus. W. D. Richardson. No. 1,282,127; Oct. 22; v. 255; p. 649.
Screening or separating machine. I. A. De Polo. No. 1,274,015; July 30; v. 252; p. 1028.
Screw. E. K. Day. No. 1,260,154; Mar. 19; v. 248; p. 704.
Screw. E. C. Holmes. No. 1,288,893; Dec. 24; v. 257; p. 758.
Screw. W. Meyner. No. 1,274,923; Aug. 6; v. 253; p. 165.
Screw-and-nut gearing, Reversing. F. H. Ragan. No. 1,276,810; Aug. 27; v. 253; p. 781.
Screw-cap and side seal, Combined. H. E. Townsend. No. 1,259,807; Mar. 19; v. 248; p. 605.
Screw-cutting die. A. J. France. No. 1,255,223; Feb. 5; v. 247; p. 31.
Screw-cutting machine, Automatic. H. A. Olsen. No. 1,287,736; Dec. 17; v. 257; p. 449.
Screw-driver. J. H. Finnigan. No. 1,269,413; June 11; v. 251; p. 395.
Screw-driver. F. Kietlinski. No. 1,256,139; Feb. 12; v. 247; p. 339.
Screw-driver. P. Smith. No. 1,273,193; July 23; v. 252; p. 769.
Screw-driver. F. H. White. No. 1,271,816; July 9; v. 252; p. 329.
Screw-driver. F. H. White. No. 1,275,810; Aug. 13; v. 253; p. 436.
Screw-lock and slot-filler. F. Schumann. No. 1,257,537; Feb. 26; v. 247; p. 821.
Screw-machine, Automatic. F. L. Cone. No. 1,271,540; July 9; v. 252; p. 253.
Screw-machine feed mechanism. A. W. Lubenow. No. 1,288,072; Dec. 17; v. 257; p. 533.
Screw-machines, Tool-holder for. J. F. Murphy and B. A. Ryan. No. 1,274,436; Aug. 6; v. 253; p. 27.
Screw-making machine. H. P. Townsend. No. 1,257,551; Feb. 26; v. 247; p. 825.
Screw-making machine, Automatic. C. Sandoz-Moritz. No. 1,280,860; Oct. 8; v. 255; p. 234.
Screw, Non-removable. W. S. Forbes. No. 1,261,916; Apr. 9; v. 249; p. 292.
Screw-press. D. H. Pruyn. No. 1,280,296; Oct. 1; v. 255; p. 51.
Screw-press, Power-driven. J. A. Kreitler. No. 1,271,728; July 9; v. 252; p. 307.
Screw, Set-. O. A. Smith. No. 1,269,971; June 18; v. 251; p. 580.
Screw, Set-. A. D. Wood. No. 1,271,408; July 2; v. 252; p. 183.
Screw-slotting machine. C. E. Botenstein. No. 1,269,370; June 11; v. 251; p. 384.
Screw-slotting machine, Automatic. F. S. Chase. No. 1,252,884; Jan. 8; v. 246; p. 449.
Screw-spike. D. L. Braine. No. 1,256,514; Feb. 19; v. 247; p. 487.
Screw-thread-cutting device. T. Shehan. No. 1,265,821; May 14; v. 250; p. 290.
Screw-thread-cutting device. T. Shehan. No. 1,281,675; Oct. 15; v. 255; p. 485.
Screw-threads, Milling. G. Richards. No. 1,269,857; June 18; v. 251; p. 550.
Screw threader and pointer. F. N. Tilton. No. 1,252,630; Jan. 8; v. 246; p. 378.
Screw-threading apparatus. F. P. McMillan. No. 1,265,467; May 7; v. 250; p. 163.
Screw-threading machine. F. W. Rodd. No. 1,253,631; Jan. 15; v. 246; p. 699.
Screw-threading sheet-metal tubular objects. G. D. and T. W. Palecheck. No. 1,271,070; July 2; v. 252; p. 90.
Screws and rods, Guard for. W. B. Fulton. No. 1,266,246; May 14; v. 250; p. 410.
Screws and the like, Making collar-head. R. C. Pierce. No. 1,262,975; Apr. 16; v. 249; p. 618.
Screws, bolts, and similar articles, Pointing and threading. R. L. Wilcox. No. 1,253,323; Jan. 15; v. 246; p. 610.
Screws, Making ear-wire. D. W. MacMillan. No. 1,268,862; June 11; v. 251; p. 243.
Screwing-machine. G. H. Whitehouse and A. Cook. No. 1,277,801; Sept. 3; v. 254; p. 131.
Screwing mechanism. A. H. Smith. No. 1,289,287; Dec. 31; v. 257; p. 880.
Scriber attachment. W. E. Beeck. No. 1,262,434; Apr. 9; v. 249; p. 436.
Scriber-gage. W. E. Beeck. No. 1,262,433; Apr. 9; v. 249; p. 436.
Scribing instrument. E. Lawrenz. No. 1,284,372; Nov. 12; v. 256; p. 275.
Scrubbing-machine. Q. Faustini. No. 1,263,396; Apr. 23; v. 249; p. 756.
Scrubbing-machine. A. Olsiewsky. No. 1,286,076; Nov. 26; v. 256; p. 780.

Scrubbing machine, Floor-. H. M. Deam. No. 1,278,606; Sept. 10; v. 254; p. 370.
Scrubbing machines, Pulley for floor-. W. S. Finnell. No. 1,275,887; Aug. 13; v. 253; p. 458.
Scutching-machine. J. Hubler. No. 1,268,975; June 11; v. 251; p. 274.
Scutching-machine. M. H. Wynyard. No. 1,281,739; Oct. 15; v. 255; p. 502.
Scythe. J. C. Eubank. No. 1,265,635; May 7; v. 250; p. 206.
Scythe. W. C. Kelly. No. 1,279,354; Sept. 17; v. 254; p. 602.
Scythe. S. M. Kitchen. No. 1,278,938; Sept. 17; v. 254; p. 491.
Scythe. S. M. Kitchen. No. 1,283,414; Oct. 29; v. 255; p. 1025.
Scythe-blade fastener. E. E. Lippert. No. 1,257,504; Feb. 26; v. 247; p. 811.
Scythe-snathe fastening. R. J. Edwards. No. 1,260,351; Mar. 26; v. 248; p. 795.
Scythes, Making. S. M. Kitchen. No. 1,257,880; Feb. 26; v. 247; p. 921.
Seal. E. E. Eby. No. 1,281,917; Oct. 15; v. 255; p. 551.
Seal. H. A. Newcomb. No. 1,266,614; May 21; v. 250; p. 541.
Seal. H. L. C. Wenk. No. 1,267,725; May 28; v. 250; p. 876.
Seal, Barrel-head. A. J. Hodge and H. B. Ruggles. No. 1,268,461; June 4; v. 251; p. 112.
Seal, Barrel-head. A. J. Hodge and H. B. Ruggles. No. 1,276,364; Aug. 20; v. 253; p. 622.
Seal, Box-strap. W. M. Brooks. No. 1,251,858; Jan. 1; v. 246; p. 126.
Seal, Box-strap. W. M. Brooks. No. 1,271,129; July 2; v. 252; p. 105.
Seal, Box-strap. R. H. Norton. No. 1,260,016; Mar. 19; v. 248; p. 667.
Seal, Car-. W. Hay. No. 1,256,896; Feb. 19; v. 247; p. 599.
Seal, Car-bolt. E. T. Walling. No. 1,259,686; Mar. 19; v. 248; p. 569.
Seal, Car-door. M. T. Relling. No. 1,270,869; July 2; v. 252; p. 33.
Seal, Car-door. M. G. Wright. No. 1,252,760; Jan. 8; v. 246; p. 416.
Seal closure, Side-. H. H. Hull. No. 1,253,492; Jan. 15; v. 246; p. 660.
Seal device for sewers. C. W. Knoll. No. 1,272,460; July 16; v. 252; p. 538.
Seal, Envelop-. J. M. Flottman. No. 1,260,176; Mar. 19; v. 248; p. 710.
Seal for electric apparatus. F. G. Keyes. No. 1,288,916; Dec. 24; v. 257; p. 764.
Seal for receptacles. H. B. Smith. No. 1,288,246; Dec. 17; v. 257; p. 575.
Seal for stuffing-boxes, Fluid. C. L. Zinssmeister. No. 1,272,171; July 9; v. 252; p. 431.
Seal for vapor electric apparatus. M. von Recklinghausen. No. 1,271,245; July 2; v. 252; p. 140.
Seal-holder, Automobile. S. B. Blair. No. 1,274,668; Aug. 6; v. 253; p. 94.
Seal, Impression-. H. H. Wenthe. No. 1,253,756; Jan. 15; v. 246; p. 736.
Seal-lock. L. J. Baird and C. G. Lay. No. 1,269,248; June 11; v. 251; p. 351.
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Seal-presses, Paper-guide for. P. Leo. No. 1,257,717; Feb. 26; v. 247; p. 875.
Seal-strips upon bottles, Means for wiping. H. Stake. No. 1,253,995; Jan. 15; v. 246; p. 803.
Seals, Manufacture of bottle-. B. Adriance. No. 1,262,614; Apr. 16; v. 249; p. 515.
Sealer, Envelop-. D. H. Mosteller. No. 1, 258,697; Mar. 12; v. 248; p. 257.
Sealing and wrapping machine. M. B. Ferguson. No. 1,254,895; Jan. 29; v. 246; p. 1115.
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Sealing apparatus, Vacuum. E. Norton and L. C. Krummel. No. 1,264,844; Apr. 30; v. 249; p. 1187.
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Sealing bread-wrappers and the like, Machine for. R. Sejnoha. No. 1,269,866; June 18; v. 251; p. 553.
Sealing device, Envelop-. W. E. Bartlett and J. H. Trayne. No. 1,275,832; Aug. 13; v. 253; p. 442.
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Sealing device, Package-. C. G. Mortimer. No. 1,268,377; June 4; v. 251; p. 88.
Sealing electromagnetic windings, Process and apparatus for. F. I. Parker. No. 1,270,969; July 2; v. 252; p. 62.
Sealing jar-closures. C. Hammer. No. 1,280,021; Sept. 24; v. 254; p. 814.
Sealing-machine. G. I. Hohl. No. 1,262,342; Apr. 9; v. 249; p. 410.
Sealing-machine. A. S. Kux. No. 1,264,308; Apr. 30; v. 249; p. 1040.
Sealing-machine. J. MacLaurin. No. 1,257,009; Feb. 19; v. 247; p. 633.
Sealing machine, Automatic tape-. J. A. Banschbach. No. 1,273,128; July 23; v. 252; p. 752.
Sealing machine, Bottle-. A. Calleson. No. 1,260,964; Mar. 26; v. 248; p. 970.
Sealing machine, Bottle-. A. Calleson. No. 1,260,965; Mar. 26; v. 248; p. 970.
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Sealing oil-storage tanks. V. Clifford. No. 1,266,407; May 14; v. 250; p. 451.
Sealing receptacles for food products, Method of and means for. A. J. Frick. No. 1,256,304; Feb. 12; v. 247; p. 388.
Sealing-strip machine. J. Berg. No. 1,266,197; May 14; v. 250; p. 397.
Seam, Fagot-stitch. C. E. Bentley. No. 1,262,913; Apr. 16; v. 249; p. 600.
Seam for sewed articles. A. H. De Voe. No. 1,279,846; Sept. 24; v. 254; p. 764.
Seam for sewed articles. A. H. De Voe. No. 1,279,847; Sept. 24; v. 254; p. 764.
Seam for sewed articles, Ornamental. A. H. De Voe. No. 1,286,957; Dec. 10; v. 257; p. 223.
Seam-opening tool. M. Courter. No. 1,255,860; Feb. 12; v. 247; p. 256.
Seam-pressing machine. T. Quinn. No. 1,260,803; Mar. 26; v. 248; p. 927.
Seam, Riveted. G. B. Phillips. No. 1,257,388; Feb. 26; v. 247; p. 776.
Seam-rubbing machine. W. T. B. Roberts. No. 1,259,134; Mar. 12; v. 248; p. 384.
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Seams, Machine for flattening. J. Berger. No. 1,279,832; Sept. 24; v. 254; p. 760.
Search-light. G. R. Cooley. No. 1,264,614; Apr. 30; v. 249; p. 1127.
Search-light. O. Momb. No. 1,273,084; July 16; v. 252; p. 714.
Search-light holder. E. C. Reynolds. No. 1,268,622; June 4; v. 251; p. 158.
Search-light, Portable signaling. W. Grether. No. 1,282,219; Oct. 22; v. 255; p. 673.
Search-light reflector. H. Katayama. No. 1,282,432; Oct. 22; v. 255; p. 731.
Seasickness, Treatment for. C. G. Degman. No. 1,286,248; Dec. 3; v. 257; p. 16.
Seat: *See*—
Adjustable seat.
Automobile-seat.
Automobile auxiliary seat.
Automobile concealed seat.
Automobile reclining-seat.
Auxiliary seat.
Bath-tub seat.
Bed-seat.
Car-seat.
Carriage-seat.
Chair-seat.
Closet-seat.
Cushion-seat.
Folding seat.
Heel-seat.
Hinged seat.
Motor-cycle side seat.
Motorman's seat.
Pneumatic seat.
Portable seat.
Reversible seat.
Spring-seat.
Swing-seat.
Toilet-seat.
Tricycle or like vehicle seat.
Vehicle-seat.
Vehicle folding seat.
Vehicle removable seat.
Wagon-seat.
Water-closet seat.
Window-seat.
Window-cleaning seat.
Seat. F. M. Tubbs. No. 1,267,290; May 21; v. 250; p. 728.
Seat and table, Combination. H. S. Austin. No. 1,271,830; July 9; v. 252; p. 333.
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Seat attachment. J. P. Kyle. No. 1,275,704; Aug. 13; v. 253; p. 406.
Seat construction, Spring-. H. N. Pedersen. No. 1,256,364; Feb. 12; v. 247; p. 406.
Seat-cover. J. L. Stevens. No. 1,264,573; Apr. 30; v. 249; p. 1115.
Seat-cover, Sanitary. O. D. Currier. No. 1,254,029; Jan. 22; v. 246; p. 833.
Seat covering, Sanitary toilet-. G. K. Nakashima. No. 1,253,512; Jan. 15; v. 246; p. 666.
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Seat-pad. W. E. Evans. No. 1,256,453; Feb. 12; v. 247; p. 433.
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Seats, Safety-guard for spring-. H. C. White. No. 1,258,609; Mar. 5; v. 248; p. 193.
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Secondary or storage battery. B. Ford. No. 1,271,690; July 9; v. 252; p. 296.
Secondary or storage battery. B. Ford. No. 1,271,691; July 9; v. 252; p. 296.
Secondary or storage battery. B. Ford. No. 1,285,660; Nov. 26; v. 256; p. 677.
Sectional furnace. C. Phelps. No. 1,278,379; Sept. 10; v. 254; p. 309.
Sectional kiln. R. H. McElroy. No. 1,264,316; Apr. 30; v. 249; p. 1042.
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Seed-separator. H. L. Gray. No. 1,280,446; Oct. 1; v. 255; p. 92.
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Seed-tester, Automatic. C. W. Hasenjaeger. No. 1,268,005; May 28; v. 250; p. 956.
Seeds, Separating mucilaginous from non-mucilaginous. H. L. Gray. No. 1,279,377; Sept. 17; v. 254; p. 609.
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Seeder and engine, Broom-corn. W. H. Lynch. No. 1,266,835; May 21; v. 250; p. 602.
Seeder and fertilizer-distributer, Combined. E. H. Hitchcock. No. 1,269,814; June 18; v. 251; p. 539.
Seeder, Manually-wielded. W. G. Bolus. No. 1,252,542; Jan. 8; v. 246; p. 352.
Seeding and sorting machine, Broom-corn. A. F. Weymer. No. 1,265,846; May 14; v. 250; p. 297.
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Segregating by means of deflecting-surfaces, Device for. H. H. Hasler. No. 1,270,944; July 2; v. 252; p. 54.
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Selecting-switch. F. A. Lundquist. No. 1,283,831; Nov. 5; v. 256; p. 104.
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Selecting system. A. F. Dixon. No. 1,262,654; Apr. 16; v. 249; p. 526.
Selecting system. A. F. Dixon. No. 1,262,655; Apr. 16; v. 249; p. 527.
Selecting system, Artificial-line-. J. F. Toomey and W. V. H. Read. No. 1,277,274; Aug. 27; v. 253; p. 903.
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Selector-switch. J. A. Kropp. No. 1,257,715; Feb. 26; v. 247; p. 874.
Selector-switch. M. K. McGrath. No. 1,251,795; Jan. 1; v. 246; p. 106.
Selector-switch. J. L. McQuarrie. No. 1,279,893; Sept. 24; v. 254; p. 778.
Selector-switch. H. G. Webster. No. 1,286,855; Dec. 3; v. 257; p. 159.
Self-adjusting piston-pin. A. Wilschewski. No. 1,288,986; Dec. 24; v. 257; p. 734.
Self-adjusting shovel. G. R. Hall. No. 1,264,640; Apr. 30; v. 249; p. 1134.
Self-cleaning rake. M. J. Hamburger. No. 1,255,742; Feb. 5; v. 247; p. 182.
Self-cleaning rake. J. M. Thompson. No. 1,259,803; Mar. 19; v. 248; p. 604.
Self-feeding device. O. C. Emrick. No. 1,282,716; Oct. 22; v. 255; p. 808.
Self-leveling table. J. Garnero. No. 1,260,181; Mar. 19; v. 248; p. 711.
Self-leveling table. W. Ziko. No. 1,287,565; Dec. 10; v. 257; p. 374.
Self-locking clip. F. D. Moon. No. 1,271,350; July 2; v. 252; p. 168.
Self-lubricating device. J. J. McGuirl. No. 1,257,721; Feb. 26; v. 247; p. 876.
Self-lubricating leaf-spring. H. Rigby. No. 1,288,994; Dec. 24; v. 257; p. 783.
Self-lubricating spring. W. J. and A. F. Pine. No. 1,262,555; Apr. 9; v. 249; p. 470.
Self-propelled vehicle. J. J. Dragner. No. 1,286,252; Dec. 3; v. 257; p. 17.
Selvage-severing mechanism. W. R. Rogers. No. 1,256,731; Feb. 19; v. 247; p. 549.
Semaphore-blade grip. H. B. Taylor. No. 1,266,346; May 14; v. 250; p. 436.
Semaphore-signal mechanism. G. Rekers. No. 1,272,099; July 9; v. 252; p. 411.
Semaphore, Vehicle-. B. G. Barshaw and D. F. Gettings. No. 1,267,957; May 28; v. 250; p. 943.
Sender, Testing-. A. E. Lundell and H. G. Eddy. No. 1,277,615; Sept. 3; v. 254; p. 78.
Sending and receiving information, Apparatus for. E. V. Hagman. No. 1,276,350; Aug. 20; v. 253; p. 617.
Sensitized-plate drier. L. McCue. No. 1,253,990; Jan. 15; v. 246; p. 801.
Separating and dewatering device. F. W. Beardslee. No. 1,262,738; Apr. 16; v. 249; p. 551.
Separating and reducing mechanism. M. F. Williams. No. 1,288,785; Dec. 24; v. 257; p. 733.
Separating device, Automatic. C. Allen. No. 1,254,562; Jan. 22; v. 246; p. 986.
Separating entrained liquids from gases, Apparatus for. J. P. Fisher. No. 1,273,595; July 23; v. 252; p. 876.
Separating-machine. M. A. Washburn. No. 1,255,963; Feb. 12; v. 247; p. 286.

Separating materials, Apparatus for. J. H. Warren. No. 1,274,114; July 30; v. 252; p. 1058.
Separating matter from a fluid containing the same, Device for. U. Wedge. No. 1,267,024; May 21; v. 250; p. 655.
Separating particles from a fluid by combined centrifugal and filtering action, Method and means for. K. and A. Wärd. No. 1,262,146; Apr. 9; v. 249; p. 355.
Separating system, Pneumatic. H. M. Plaisted. No. 1,272,311; July 9; v. 252; p. 472.
Separation of minerals by flotation, Apparatus for. F. D. S. Robertson. No. 1,286,111; Nov. 26; v. 256; p. 788.
Separator: *See*—
Air-separator.
Battery-separator.
Bean-separator.
Can-end separator.
Centrifugal separator.
Coal-separator.
Coin-separator.
Cotton-bur separator.
Cream-separator.
Dry-sluice placer-gold separator.
Egg-separator.
Fruit-separator.
Grain-separator.
Grits and meal separator.
Liquid-separator.
Magnetic separator.
Magnetic-pulley separator.
Milk and cream separator.
Mineral-separator.
Oil-separator.
Ore-separator.
Paper-cup separator.
Pea-separator.
Pea and bean separator.
Petroleum and natural-gas separator.
Potato-separator.
Potato-digger separator.
Seed-separator.
Slime-separator.
Spiral separator.
Spring-separator.
Turpentine-separator.
Vacuum-separator.
Separator. W. H. Bot. No. 1,287,624; Dec. 17; v. 257; p. 420.
Separator. R. W. Dull. No. 1,258,100; Mar. 5; v. 248; p. 45.
Separator. C. G. Lambert. No. 1,262,522; Apr. 9; v. 249; p. 460.
Separator. J. D. Moore. No. 1,258,354; Mar. 5; v. 248; p. 117.
Separator. F. Pardee. No. 1,259,435; Mar. 12; v. 248; p. 467.
Separator. C. A. and R. M. Willis. No. 1,274,486; Aug. 6; v. 253; p. 42.
Separator and grader. E. G. and R. H. Linkhart. No. 1,265,687; May 7; v. 250; p. 221.
Separator disks, Device for transferring centrifugal-. P. L. Kimball. No. 1,264,091; Apr. 23; v. 249; p. 947.
Separator-trap. J. J. Donovan. No. 1,252,099; Jan. 1; v. 246; p. 193.
Septic tank and privy, Combined. J. B. Davis. No. 1,281,528; Oct. 15; v. 255; p. 448.
Serum from the corpuscles of mammalian-blood, Separating. M. Dorset and R. R. Henley. No. 1,264,285; Apr. 30; v. 249; p. 1034.
Service-box. S. Shanahan. No. 1,267,284; May 21; v. 250; p. 726.
Service-holder, Safety. L. Mattson. No. 1,267,098; May 21; v. 250; p. 675.
Service-recording instrument. G. H. Richards. No. 1,259,906; Mar. 19; v. 248; p. 635.
Service-table. C. E. Rice. No. 1,288,199; Dec. 17; v. 257; p. 564.
Serving-fork. H. D. Flegel. No. 1,272,246; July 9; v. 252; p. 452.
Serving mechanism. L. Onderdonk. No. 1,289,238; Dec. 31; v. 257; p. 868.
Serving-table. J. H. Paalman. No. 1,267,896; May 28; v. 250; p. 926.
Serving-table. L. D. Platt. No. 1,252,020; Jan. 1; v. 246; p. 170.
Setting and filing machine, Combined. F. W. Wardwell, Jr. No. 1,289,329; Dec. 31; v. 257; p. 891.
Setting-up machine. R. P. D. Fréret and P. U. Mauran. No. 1,279,098; Sept. 17; v. 254; p. 532.
Settling-tank. W. E. Saxe. No. 1,265,256; May 7; v. 250; p. 106.
Sewage and analogous liquids, Apparatus for the purification of. W. Jones. No. 1,282,587; Oct. 22; v. 255; p. 772.
Sewage and analogous liquids, Purification of. W. Jones. No. 1,286,017; Nov. 26; v. 256; p. 766.
Sewage, Apparatus for aerating. A. M. Brosius. No. 1,286,520; Dec. 3; v. 257; p. 83.
Sewage-ejector. W. McClintock. No. 1,279,735; Sept. 24; v. 254; p. 731.
Sewage, Method of and apparatus for treating. P. F. Brown. No. 1,289,378; Dec. 31; v. 257; p. 903.
Sewage-sludge and fertilizer produced thereby, Treatment of. J. W. Phillips. No. 1,284,442; Nov. 12; v. 256: p. 292.
Sewage-sludge, Treatment of. J. W. Phillips. No. 1,284,441; Nov. 12; v. 256; p. 292.
Sewage-treating apparatus. H. H. Stephens. No. 1,264,990; May 7; v. 250; p. 33.
Sewage treatment. G. Moore. No. 1,271,926; July 9; v. 252; p. 360.
Sewer-cleaner. A. J. Bassett. No. 1,263,733; Apr. 23; v. 249; p. 848.
Sewer-conduits, Method and apparatus for cleaning. G. W. Otterson. No. 1,274,931; Aug. 6; v. 253; p. 167.
Sewer construction. W. B. Gray. No. 1,283,737; Nov. 5; v. 256; p. 78.
Sewer-form. H. O. Davidson. No. 1,269,164; June 11; v. 251; p. 326.
Sewer-trap. A. Peter. No. 1,269,640; June 18; v. 251; p. 490.
Sewers, &c., Block of clay or concrete for. A. O. Stenwick. No. 1,268,294; June 4; v. 251; p. 64.
Sewerage system. R. I. Jones. No. 1,261,401; Apr. 2; v. 249; p. 117.
Sewed articles, Seam for. J. Berger, Jr. No. 1,264,885; May 7; v. 250; p. 4.
Sewed articles, Seam for. S. G. Tate. No. 1,261,970; Apr. 9; v. 249; p. 307.
Sewed articles, Seam for. S. G. Tate. No. 1,271,240; July 2; v. 252; p. 138.
Sewed articles, Seam for. S. G. Tate. No. 1,271,241; July 2; v. 252; p. 139.
Sewing and cementing machine. F. A. Brackett. No. 1,278,099; Sept. 10; v. 254; p. 234.
Sewing and edging machine. R. B. Thompson. No. 1,266,884; May 21; v. 250; p. 615.
Sewing-awl. J. W. Malcom. No. 1,270,639; June 25; v. 251; p. 788.
Sewing-cabinet. H. J. Leach. No. 1,277,956; Sept. 3; v. 254; p. 171.
Sewing-cabinet. H. E. Wells. No. 1,272,587; July 16; v. 252; p. 574.
Sewing companion. H. P. Herbert. No. 1,289,448; Dec. 31; v. 257; p. 921.
Sewing hemp soles, Machine for. J. Power y Zabala. No. 1,253,762; Jan. 15; v. 246; p. 738.
Sewing-machine. C. M. Abercrombie. No. 1,268,809; June 11; v. 251; p. 229.
Sewing-machine. J. Berger. No. 1,281,900; Oct. 15; v. 255; p. 547.
Sewing-machine. C. C. Blake. No. 1,284,856; Nov. 12; v. 256; p. 396.
Sewing-machine. G. P. Carry. No. 1,263,853; Apr. 23; v. 249; p. 881.
Sewing-machine. J. Clarke. No. 1,263,857; Apr. 23; v. 249; p. 882.
Sewing-machine. H. Corrall. No. 1,283,471; Nov. 5; v. 256; p. 9.
Sewing-machine. A. H. De Voe. No. 1,251,872; Jan. 1; v. 246; p. 129.
Sewing-machine. A. H. De Voe. No. 1,251,873; Jan. 1; v. 246; p. 130.
Sewing-machine. A. H. De Voe. No. 1,251,970; Jan. 1; v. 246; p. 155.
Sewing-machine. A. H. De Voe. No. 1,288,391; Dec. 17; v. 257; p. 609.
Sewing-machine. M. T. Denne. No. 1,264,284; Apr. 30; v. 249; p. 1034.
Sewing-machine. A. Eppler. No. 1,286,264; Dec. 3; v. 257; p. 20.
Sewing-machine. A. F. Fifield. No. 1,273,348; July 23; v. 252; p. 810.
Sewing-machine. C. H. T. Hagelstein. No. 1,264,921; May 7; v. 250; p. 13.
Sewing-machine. J. J. Heap. No. 1,274,162; July 30; v. 252; p. 1071.
Sewing-machine. J. Heggie. No. 1,263,239; Apr. 16; v. 249; p. 692.
Sewing-machine. G. S. Hill. No. 1,269,710; June 18; v. 251; p. 509.
Sewing-machine. G. S. Hill. No. 1,276,357; Aug. 20; v. 253; p. 620.
Sewing-machine. G. S. Hill. No. 1,276,358; Aug. 20; v. 253; p. 620.
Sewing-machine. G. S. Hill. No. 1,276,359; Aug. 20; v. 253; p. 620.
Sewing-machine. G. S. Hill. No. 1,276,360; Aug. 20; v. 253; p. 621.
Sewing-machine. G. Hoepner. No. 1,259,740; Mar. 19; v. 248; p. 585.
Sewing-machine. G. A. Kinder. No. 1,259,996; Mar. 19; v. 248; p. 662.
Sewing-machine. R. F. Knight. No. 1,264,661; Apr. 30; v. 249; p. 1139.
Sewing-machine. R. Loeb. No. 1,266,566; May 28; v. 250; p. 832.
Sewing-machine. R. Loeb. No. 1,273,386; July 23; v. 252; p. 820.
Sewing-machine. R. L. Lyons. No. 1,272,065; July 9; v. 252; p. 402.
Sewing-machine. R. L. Lyons. No. 1,272,067; July 9; v. 252; p. 403.
Sewing-machine. R. L. Lyons. No. 1,288,075; Dec. 17; v. 257; p. 533.
Sewing-machine. R. L. Lyons, H. W. Morris, and C. I. Nielsen. No. 1,253,614; Jan. 15; v. 246; p. 694.
Sewing-machine. R. L. Lyons, H. W. Morris, and C. I. Nielsen. No. 1,288,076; Dec. 17; v. 257; p. 533.
Sewing-machine. A. A. Merritt. No. 1,253,507; Jan. 15; v. 246; p. 665.
Sewing-machine. J. M. Merrow. No. 1,278,973; Sept. 17; v. 254; p. 500.
Sewing-machine. G. A. Miller. No. 1,258,594; Mar. 5; v. 248; p. 188.
Sewing-machine. J. R. Moffatt and R. S. Kelso. No. 1,287,392; Dec. 10; v. 257; p. 333.

Sewing-machine. G. W. Nelson. No. 1,252,931; Jan. 8; v. 246; p. 463.
Sewing-machine. G. W. Nelson. No. 1,288,652; Dec. 24; v. 257; p. 701.
Sewing-machine. L. Onderdonk. No. 1,265,812; May 14; v. 250; p. 287.
Sewing-machine. W. L. Pierce. No. 1,278,204; Sept. 10; v. 254; p. 262.
Sewing-machine. A. E. Richards. No. 1,285,387; Nov. 19; v. 256; p. 569.
Sewing-machine. J. C. Ringe. No. 1,269,118; June 11; v. 251; p. 314.
Sewing-machine. W. T. B. Roberts. No. 1,264,686; Apr. 30; v. 249; p. 1146.
Sewing-machine. G. W. Schrader. No. 1,273,935; July 30; v. 252; p. 1008.
Sewing-machine. H. E. Smallbone. No. 1,262,114; Apr. 9; v. 249; p. 346.
Sewing-machine. A. D. Smith. No. 1,261,170; Apr. 2; v. 249; p. 50.
Sewing-machine. L. E. Topham. No. 1,289,312; Dec. 31; v. 257; p. 887.
Sewing-machine. L. E. Topham. No. 1,289,313; Dec. 31; v. 257; p. 887.
Sewing-machine. V. J. Van Horn. No. 1,264,714; Apr. 30; v. 249; p. 1153.
Sewing-machine. L. C. Walsh. No. 1,278,063; Sept. 3; v. 254; p. 199.
Sewing-machine. J. P. Weis. No. 1,258,965; Mar. 12; v. 248; p. 333.
Sewing-machine. J. P. Weis. No. 1,277,005; Aug. 27; v. 253; p. 831.
Sewing-machine. F. Zaleski. No. 1,255,970; Feb. 12; v. 247; p. 288.
Sewing-machine and folding mechanism therefor. J. R. Moffatt. No. 1,271,059; July 2; v. 252; p. 87.
Sewing-machine attachment. H. W. Beckwith. No. 1,280,947; Oct. 8; v. 255; p. 255.
Sewing-machine attachment. J. Braude. No. 1,287,205; Dec. 10; v. 257; p. 288.
Sewing-machine attachment. C. M. Brizendine. No. 1,289,376; Dec. 31; v. 257; p. 902.
Sewing-machine attachment. E. H. Cheeseman. No. 1,272,774; July 16; v. 252; p. 628.
Sewing-machine attachment. A. Kurtz. No. 1,277,954; Sept. 3; v. 254; p. 170.
Sewing-machine attachment. H. Mendelsohn. No. 1,277,101; Aug. 27; v. 253; p. 858.
Sewing-machine attachment. P. Schwartz. No. 1,278,392; Sept. 10; v. 254; p. 313.
Sewing-machine attachment. C. Weiss. No. 1,259,324; Mar. 12; v. 248; p. 435.
Sewing machine, Bag-. G. E. Molyneux. No. 1,274,742; Aug. 6; v. 253; p. 115.
Sewing-machine belt. A. J. F. Bower. No. 1,271,014; July 2; v. 252; p. 75.
Sewing-machine binder. A. H. De Voe. No. 1,275,159; Aug. 6; v. 253; p. 230.
Sewing-machine, Blindstitch. T. J. Hayes. No. 1,276,217; Aug. 20; v. 253; p. 581.
Sewing-machine, Blindstitch. T. J. Hayes. No. 1,287,685; Dec. 17; v. 257; p. 435.
Sewing-machine, Blindstitch. T. J. Hayes and H. C. Moulton. No. 1,273,855; July 30; v. 252; p. 984.
Sewing-machine, Blindstitch. H. C. Moulton. No. 1,255,628; Feb. 5; v. 247; p. 148.
Sewing-machine, Blindstitch. T. J. Hayes. No. 1,283,509; Nov. 5; v. 256; p. 19.
Sewing-machine, Blindstitch. J. Whitelaw. No. 1,287,157; Dec. 10; v. 257; p. 275.
Sewing-machine bobbin-case and hook. J. Leathem. No. 1,255,184; Feb. 5; v. 247; p. 21.
Sewing-machine bobbins, Tension device for. J. Leathem. No. 1,255,183; Feb. 5; v. 247; p. 20.
Sewing machine, Book-. J. Griesinger. No. 1,266,793; May 21; v. 250; p. 591.
Sewing machine, Button-. C. H. T. Hagelstein. No. 1,255,527; Feb. 5; v. 247; p. 119.
Sewing machine, Button-. C. H. T. Hagelstein. No. 1,255,528; Feb. 5; v. 247; p. 120.
Sewing machine, Button-. C. H. T. Hagelstein. No. 1,255,529; Feb. 5; v. 247; p. 120.
Sewing machine, Button-. W. A. Smith. No. 1,289,290; Dec. 31; v. 257; p. 881.
Sewing machine, Button-. W. A. Smith. No. 1,289,291; Dec. 31; v. 257; p. 881.
Sewing machine, Button-. W. A. Smith. No. 1,289,292; Dec. 31; v. 257; p. 881.
Sewing machine, Buttonhole-. E. B. Allen. (Reissue.) No. 14,529; Oct. 8; v. 255; p. 343.
Sewing machine, Buttonhole-. J. Forman. No. 1,269,416; June 11; v. 251; p. 396.
Sewing machine, Buttonhole-. G. S. Hill. No. 1,277,588; Sept. 3; v. 254; p. 70.
Sewing machine, Buttonhole-. R. F. Knight. No. 1,264,660; Apr. 30; v. 249; p. 1139.
Sewing-machine cutting-off attachment. A. S. Robinson. No. 1,286,113; Nov. 26; v. 256; p. 788.
Sewing-machine drip device. P. Cagnino. No. 1,261,358; Apr. 2; v. 249; p. 105.
Sewing-machine embroidery attachment. J. J. Briggs. No. 1,262,441; Apr. 9; v. 249; p. 438.
Sewing-machine feed-arm mechanism. G. Hoepner. No. 1,263,767; Apr. 23; v. 249; p. 857.
Sewing-machine feeding mechanism. H. Corrall and J. M. Forbes. No. 1,252,666; Jan. 8; v. 246; p. 389.
Sewing-machine feeding mechanism. A. H. De Voe. No. 1,280,681; Oct. 8; v. 255; p. 183.
Sewing-machine feeding mechanism. M. Hemleb. No. 1,260,772; Mar. 26; v. 248; p. 920.
Sewing-machine feeding mechanism. P. A. Herr. No. 1,265,448; May 7; v. 250; p. 159.
Sewing-machine feeding mechanism. J. R. Moffatt and R. S. Kelso. No. 1,289,866; Dec. 31; v. 257; p. 1023.
Sewing-machine feeding mechanism. R. G. Woodward. No. 1,263,184; Apr. 16; v. 249; p. 679.
Sewing-machine foldable stand. M. McCabe. No. 1,275,059; Aug. 6; v. 253; p. 204.
Sewing-machine folder. A. H. Stieg. No. 1,288,735; Dec. 24; v. 257; p. 721.
Sewing-machine folder. H. L. Willis. No. 1,268,415; June 4; v. 251; p. 98.
Sewing-machine folder and binder, Combined. I. Farer. No. 1,281,924; Oct. 15; v. 255; p. 553.
Sewing-machine for covering seams. J. R. Berger. No. 1,277,535; Sept. 3; v. 254; p. 56.
Sewing-machine gage. M. E. Blood. No. 1,278,296; Sept. 10; v. 254; p. 288.
Sewing-machine guard. S. F. Peddie. No. 1,283,552; Nov. 5; v. 256; p. 30.
Sewing-machine guide. R. A. Vine. No. 1,285,482; Nov. 19; v. 256; p. 593.
Sewing machine, Hat-. A. Grieb. No. 1,283,501; Nov. 5; v. 256; p. 17.
Sewing-machine having thread-cutting devices. R. L. Lyons. No. 1,272,066; July 9; v. 252; p. 402.
Sewing-machine hemming attachment. A. H. De Voe. No. 1,271,291; July 2; v. 252; p. 152.
Sewing-machine, Hemstitch. C. M. Abercrombie. No. 1,271,256; July 2; v. 252; p. 142.
Sewing-machine, Hemstitch. H. Unger. No. 1,252,745; Jan. 8; v. 246; p. 411.
Sewing-machine hemstitching attachment. F. H. Bachelder. No. 1,265,585; May 7; v. 250; p. 194.
Sewing-machine hopper. C. Guzy. No. 1,257,850; Feb. 26; v. 247; p. 913.
Sewing-machine, Inseam. L. E. Topham. No. 1,289,314; Dec. 31; v. 257; p. 887.
Sewing machine, Inseam shoe-. W. C. Meyer. No. 1,259,765; Mar. 19; v. 248; p. 592.
Sewing-machine, Lock-stitch. P. Sjostrom. No. 1,286,434; Dec. 3; v. 257; p. 62.
Sewing-machine, Lock-stitch. F. S. Williams. No. 1,283,437; Oct. 29; v. 255; p. 1030.
Sewing-machine loop-taker mechanism. A. H. De Voe. No. 1,256,880; Feb. 19; v. 247; p. 594.
Sewing-machine looper-actuating mechanism. A. H. De Voe. No. 1,283,478; Nov. 5; v. 256; p. 11.
Sewing-machine looper-carrier. W. H. Hugg. No. 1,252,696; Jan. 8; v. 246; p. 397.
Sewing-machine looper-carrier. J. R. Moffatt. (Reissue.) No. 14,445; Mar. 12; v. 248; p. 478.
Sewing-machine looper mechanism. N. D. Clark. No. 1,251,474; Jan. 1; v. 246; p. 7.
Sewing-machine looper mechanism. M. Hemleb. No. 1,254,225; Jan. 22; v. 246; p. 889.
Sewing-machine looper mechanism. G. Hoepner. No. 1,270,948; July 2; v. 252; p. 55.
Sewing-machine looper mechanism. D. S. Seymour. No. 1,257,940; Feb. 26; v. 247; p. 938.
Sewing-machine looper mechanism, Leather-. O. L. Lawson and J. H. Reed. No. 1,252,352; Jan. 1; v. 246; p. 262;
Sewing-machine looper-operating mechanism. J. R. Moffatt and R. S. Kelso. No. 1,283,862; Nov. 5; v. 256; p. 112.
Sewing-machine looper-thread-controlling mechanism. B. V. Kershner. No. 1,285,219; Nov. 19; v. 256; p. 527.
Sewing-machine motor. C. H. Beach. No. 1,252,317; Jan. 1; v. 246; p. 253.
Sewing-machine motors, Supporting-clamp for. C. H. Beach. No. 1,272,189; July 9; v. 252; p. 436.
Sewing-machine, Multiple-needle. G. E. Molyneux and G. S. Gatchell. No. 1,266,036; May 14; v. 250; p. 350.
Sewing-machine, Multiple-needle lock-stitch. H. Corrall and B. A. Stevens. No. 1,254,123; Jan. 22; v. 246; p. 861.
Sewing-machine needle. L. Garbus. No. 1,287,287; Dec. 10; v. 257; p. 307.
Sewing-machine needle-clamp. B. L. Jirouch. No. 1,268,012; May 28; v. 250; p. 958.
Sewing-machine needle-clamp. L. Onderdonk. No. 1,276,950; Aug. 27; v. 253; p. 817.
Sewing-machine needle-guide. G. Hoepner. No. 1,269,711; June 18; v. 251; p. 509.
Sewing-machine needle-lever support. D. S. Seymour. No. 1,269,650; June 18; v. 251; p. 492.
Sewing-machine needle-operating mechanism. J. R. Moffatt. No. 1,252,015; Jan. 1; v. 246; p. 169.
Sewing-machine needle-threader. G. S. Welling. No. 1,260,611; Mar. 26; v. 248; p. 873.
Sewing-machine, Ornamental-stitch. A. H. De Voe. No. 1,283,477; Nov. 5; v. 256; p. 11.

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Sewing-machine, Ornamental-stitch. W. Myers. No. 1,267,581; May 28; v. 250; p. 837.
Sewing-machine, Overedge or overlock. R. Loeb. No. 1,262,070; Apr. 9; v. 249; p. 333.
Sewing-machine, Overstitch. H. Evans. No. 1,262,762; Apr. 16; v. 249; p. 558.
Sewing-machine presser-foot. J. Berger, Jr. No. 1,267,621; May 28; v. 250; p. 848.
Sewing-machine presser-foot. J. E. Chalman. No. 1,275,387; Aug. 13; v. 253; p. 319.
Sewing-machine presser-foot. R. R. Hughes, Jr. No. 1,275,694; Aug. 13; v. 253; p. 403.
Sewing-machine presser-foot. D. S. Seymour. No. 1,274,092; July 30; v. 252; p. 1051.
Sewing-machine presser-foot. R. B. Thompson. No. 1,273,108; July 16; v. 252; p. 720.
Sewing-machine presser-foot-lifting mechanism. A. H. De Voe. No. 1,279,088; Sept. 17; v. 254; p. 530.
Sewing-machine presser-foot mechanism. A. H. De Voe. No. 1,270,929; July 2; v. 252; p. 50.
Sewing-machine presser-foot mechanism. J. Heggie. No. 1,263,240; Apr. 16; v. 249; p. 692.
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Sewing-machine, Rotary-hook. A. H. De Voe. No. 1,269,686; June 18; v. 251; p. 502.
Sewing-machine, Rotary-hook. M. Hemleb. No. 1,280,728; Oct. 8; v. 255; p. 196.
Sewing-machine ruffler. H. H. Russell. No. 1,261,628; Apr. 2; v. 249; p. 180.
Sewing-machine ruffling mechanism. A. H. De Voe. No. 1,273,156; July 23; v. 252; p. 760.
Sewing-machine, Running-stitch. J. Harger. No. 1,253,173; Jan. 8; v. 246; p. 537.
Sewing-machine shield. A. H. Wright. No. 1,288,359; Dec. 17; v. 257; p. 601.
Sewing machine, Shoe-. J. V. Allen and E. E. Orr. No. 1,286,869; Dec. 3; v. 257; p. 162.
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Sewing-machine shuttle. W. H. Terwilliger. No. 1,253,646; Jan. 15; v. 246; p. 703.
Sewing-machine shuttle-bobbin. L. E. Weaver. No. 1,278,262; Sept. 10; v. 254; p. 279.
Sewing-machine smocking device. A. Grieb. No. 1,255,526; Feb. 5; v. 247; p. 119.
Sewing-machine spool-holder. H. Goodman. No. 1,268,234; June 4; v. 251; p. 47.
Sewing-machine spool-magazine. G. R. Armstrong. No. 1,283,024; Oct. 29; v. 255; p. 922.
Sewing-machine stitch-forming mechanism. A. H. De Voe. No. 1,280,680; Oct. 8; v. 255; p. 183.
Sewing-machine stop mechanism. G. W. Nelson. No. 1,282,107; Oct. 22; v. 255; p. 642.
Sewing-machine, Straightaway zigzag. D. S. Seymour. No. 1,255,802; Feb. 5; v. 247; p. 199.
Sewing machine, Straw-. R. L. Plumley. No. 1,252,169; Jan. 1; v. 246; p. 212.
Sewing-machine strip-controlling device. A. H. De Voe. No. 1,289,127; Dec. 31; v. 257; p. 840.
Sewing-machine strip-feeding means. J. P. Weis. No. 1,277,004; Aug. 27; v. 253; p. 831.
Sewing machine, Sweat-band-. R. R. Hughes, Jr. No. 1,257,239; Feb. 19; v. 247; p. 698.
Sewing-machine take-up. G. B. Osterhout. No. 1,253,518; Jan. 15; v. 246; p. 667.
Sewing-machine take-up. W. H. Terwilliger. No. 1,267,011; May 21; v. 250; p. 652.
Sewing-machine tape-cutting mechanism. W. L. Barron. No. 1,255,501; Feb. 5; v. 247; p. 111.
Sewing-machine tape-guide. J. L. Stengel. No. 1,255,243; Feb. 5; v. 247; p. 37.
Sewing-machine tape-holder. F. L. Porte. No. 1,260,039; Mar. 19; v. 248; p. 674.
Sewing-machine tape-reel. A. H. De Voe. No. 1,286,956; Dec. 10; v. 257; p. 223.
Sewing-machine thread-cutter. G. Hoepner. No. 1,263,766; Apr. 23; v. 249; p. 857.
Sewing-machine throat-plate. J. Berger, Jr. No. 1,283,639; Nov. 5; v. 256; p. 53.
Sewing-machine throat-plate. C. McNeil. No. 1,264,538; Apr. 30; v. 249; p. 1105.
Sewing-machine throat-plate. C. McNeil. No. 1,266,837; May 21; v. 250; p. 602.
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Sewing-machine throat-plate. J. R. Moffatt. No. 1,283,861; Nov. 5; v. 256; p. 112.
Sewing-machine trimming mechanism. J. Berger, Jr. No. 1,274,666; Aug. 6; v. 253; p. 94.
Sewing-machine trimming mechanism. A. H. De Voe. No. 1,289,125; Dec. 31; v. 257; p. 839.
Sewing-machine trimming mechanism. J. R. Moffatt. No. 1,253,865; Jan. 15; v. 246; p. 767.
Sewing-machine trimming mechanism. A. H. Simmons. No. 1,253,737; Jan. 15; v. 246; p. 730.
Sewing-machine, Wax-thread. L. E. Topham. No. 1,289,311; Dec. 31; v. 257; p. 887.
Sewing machine, Wax-thread shoe-. F. Ashworth. No. 1,265,986; May 14; v. 250; p. 337.
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Sewing machine, Welt-. A. Eppler. No. 1,260,527; Mar. 26; v. 248; p. 847.
Sewing machine, Welt-shoe-. A. F. Littlefield. No. 1,263,445; Apr. 23; v. 249; p. 771.
Sewing-machine work-holder. J. H. Masterson. No. 1,288,101; Dec. 17; v. 257; p. 541.
Sewing machines, Apron for shoe-. J. H. La Rouche. No. 1,269,097; June 11; v. 251; p. 308.
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Sewing-machines, Button-placing device for. J. J. Brell. No. 1,270,594; June 25; v. 251; p. 776.
Sewing-machines, Combined control and brake for. P. P. Ruhe and W. A. Sonen. No. 1,279,763; Sept. 24; v. 254; p. 739.
Sewing-machines, Cross-thread-laying mechanism for. N. D. Clark. No. 1,275,389; Aug. 13; v. 253; p. 320.
Sewing-machines, Driving mechanism of power-operated. S. F. Stein. No. 1,270,761; June 25; v. 251; p. 819.
Sewing-machines, Drop-head mechanism for. C. E. Colgrove. No. 1,272,916; July 16; v. 252; p. 669.
Sewing-machines, Edge-folding attachment for. R. F. Beardsley. No. 1,282,026; Oct. 22; v. 255; p. 619.
Sewing-machines, Fabric-folding guide for trimming mechanism for. J. R. Moffatt. No. 1,276,944; Aug. 27; v. 253; p. 815.
Sewing-machines, Fabric-holding means for overedge. R. Loeb. No. 1,260,923; Mar. 26; v. 248; p. 959.
Sewing-machines, Fan attachment for. F. H. Schumacher. No. 1,280,561; Oct. 1; v. 255; p. 124.
Sewing-machines, Garment-seam-ripping attachment for. W. A. Flower. No. 1,256,671; Feb. 19; v. 247; p. 532.
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Sewing-machines, Lower-thread mechanism for chain-stitch. A. H. De Voe. No. 1,257,464; Feb. 26; v. 247; p. 798.
Sewing-machines, Multiple-tuck folder for. A. H. De Voe. No. 1,263,870; Apr. 23; v. 249; p. 886.
Sewing-machines, Presser-foot-lifting mechanism for. W. L. Barron and F. E. Osol. No. 1,269,775; June 18; v. 251; p. 528.
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Sewing-machines, Spreader mechanism for. D. S. Seymour. No. 1,256,271; Feb. 12; v. 247; p. 379.
Sewing-machines, Tension-indicating device for. I. O. Adams. No. 1,289,066; Dec. 31; v. 257; p. 825.
Sewing-machines, Thread-controlling mechanism for. J. R. Moffatt. No. 1,285,310; Nov. 19; v. 256; p. 549.
Sewing-machines, Thread-controlling mechanism for. D. S. Seymour. No. 1,276,127; Aug. 20; v. 253; p. 555.
Sewing-machines, Thread-laying mechanism for. S. G. Tate. No. 1,268,894; June 11; v. 251; p. 251.
Sewing-machines, Throat-plate for. C. McNeil. No. 1,263,088; Apr. 16; v. 249; p. 651.
Sewing-machines, Variable thread-controlling mechanism for. L. Onderdonk. No. 1,277,250; Aug. 27; v. 253; p. 896.
Sewing-machines, Wax-pot for. W. R. Blair. No. 1,275,372; Aug. 13; v. 253; p. 315.
Sewing-machines, Work-guiding device for. A. H. De Voe. No. 1,263,869; Apr. 23; v. 249; p. 885.
Sewing-machines, Work-handling mechanism for blind-stitch. J. G. Lewis. No. 1,254,818; Jan. 29; v. 246; p. 1091.
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Shackle. W. A. H. Pearen. No. 1,262,974; Apr. 16; v. 249; p. 617.
Shackle and shock-absorber, Combined. O. E. Evans. No. 1,255,997; Feb. 12; v. 247; p. 297.
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Shade, Adjustable. R. I. Mills. No. 1,274,925; Aug. 6; v. 253; p. 166.
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Shade and curtain hanger. S. M. Stevens. No. 1,266,078; May 14; v. 250; p. 363.
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Shade and curtain support. H. S. Rorick. No. 1,275,475; Aug. 13; v. 253; p. 342.
Shade and curtain support, Adjustable window. W. A. J. Lowe and G. W. Overstreet. No. 1,270,634; June 25; v. 251; p. 787.
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Shade-hanger. C. D. McCord and J. L. Carlson. No. 1,253,699; Jan. 15; v. 246; p. 721.
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Shade-hanger, Adjustable. J. T. Lomax. No. 1,289,836; Dec. 31; v. 257; p. 1015.
Shade hanger, Window-. O. G. Butler. No. 1,265,299; May 7; v. 250; p. 117.
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Shade-holder. J. Kirschbaum. No. 1,266,818; May 21; v. 250; p. 598.
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Shade-holder and socket-cover, Combined. A. C. Recker. No. 1,287,434; Dec. 10; v. 257; p. 343.
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Shade or map roll, Adjustable. S. R. Hopkins. No. 1,253,382; Jan. 15; v. 246; p. 629.
Shade or reflector holders, Locking means for. T. W. Rolph. No. 1,287,441; Dec. 10; v. 257; p. 345.
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Sharpener, Combination knife and scissors. F. O. Lake. No. 1,258,124; Mar. 5; v. 248; p. 51.
Sharpener, Cutlery-. E. M. Ball. No. 1,269,898; June 18; v. 251; p. 562.
Sharpener, Disk-. W. C. Hoppes. No. 1,268,974; June 11; v. 251; p. 274.
Sharpener, Disk-. J. E. Thompson. No. 1,262,869; Apr. 16; v. 249; p. 588.
Sharpener, Drill-. J. Ditson. No. 1,258,998; Mar. 12; v. 248; p. 344.
Sharpener, Drill-. J. Ditson. No. 1,258,999; Mar. 12; v. 248; p. 345.
Sharpener, Drill-. T. H. and A. L. Proske. No. 1,259,045; Mar. 12; v. 248; p. 358.
Sharpener, Drill-. W. A. Smith. No. 1,253,291; Jan. 15; v. 246; p. 600.
Sharpener for cloth-cutting-machine knives. H. Maimin and H. B. Bätjer. No. 1,268,373; June 4; v. 251; p. 86.
Sharpener for cloth-cutting machines, Knife-. L. Blumenthal. No. 1,282,735; Oct. 29; v. 255; p. 840.
Sharpener for knives, scissors, and the like. S. H. Gallagher. No. 1,254,671; Jan. 29; v. 246; p. 1045.
Sharpener, Knife-. H. B. Bätjer. No. 1,275,833; Aug. 13; v. 253; p. 442.
Sharpener, Knife-. A. Johansen. No. 1,259,408; Mar. 12; v. 248; p. 460.
Sharpener, Knife-. W. B. Kirlin. No. 1,255,760; Feb. 5; v. 247; p. 187.
Sharpener, Knife-. F. Morche. No. 1,282,705; Oct. 22; v. 255; p. 805.
Sharpener, Lawn-mower. M. Hastings. No. 1,263,666; Apr. 23; v. 249; p. 831.
Sharpener, Lawn-mower. C. Sayre. No. 1,271,778; July 9; v. 252; p. 319.
Sharpener, Mower-knife. J. W. Alexander. No. 1,274,659; Aug. 6; v. 253; p. 92.
Sharpener, Needle-. H. L. Notter. No. 1,256,034; Feb 12; v. 247; p. 307.
Sharpener, Razor-. J. B. Steedman. No. 1,255,656; Feb. 5; v. 247; p. 157.
Sharpener, Razor-blade. F. E. Bonham. No. 1,262,008; Apr. 9; v. 249; p. 318.
Sharpener, Razor-blade. J. Legg. No. 1,281,401; Oct. 15; v. 255; p. 414.
Sharpener, Razor-blade. C. Rauch. No. 1,265,956; May 14; v. 250; p. 329.
Sharpener, Razor-blade. C. A. Scott and A. G. Hug. No. 1,252,367; Jan. 1; v. 246; p. 266.
Sharpener, Rock-drill. W. A. Smith. No. 1,270,667; June 25; v. 251; p. 795.
Sharpener, Skate-. W. Krollius. No. 1,273,624; July 23; v. 252; p. 884.
Sharpeners, Dolly mechanism for drill-. W. A. Smith. No. 1,253,292; Jan. 15; v. 246; p. 600.
Sharpening appliance. C. F. Cramer. No. 1,274,513; Aug. 6; v. 253; p. 49.
Sharpening attachment for cloth-cutting machines. H. Maimin. No. 1,263,450; Apr. 23; v. 249; p. 773.
Sharpening band-saw blades, Machine for. A. Weiss. No. 1,259,692; Mar. 19; v. 248; p. 571.
Sharpening device. R. W. Perry. No. 1,252,612; Jan. 8; v. 246; p. 373.
Sharpening device, Blade-. B. A. Sebring. No. 1,271,953; July 9; v. 252; p. 368.
Sharpening device, Saw-. J. B. Bujold. No. 1,272,616; July 16; v. 252; p. 583.
Sharpening device, Scissors and shears. W. M. Reagan. No. 1,257,927; Feb. 26; v. 247; p. 934.
Sharpening implement, Saw-. S. Hardy. No. 1,262,945; Apr. 16; v. 249; p. 610.
Sharpening knives, scissors, and like cutting implements, Device for. A. B. Floback. No. 1,269,272; June 11; v. 251; 357.
Sharpening-machine. A. Krauth. No. 1,261,136; Apr. 2; v. 249; p. 41.
Sharpening machine, Razor-. R. C. McCaleb. No. 1,269,831; June 18; v. 251; p. 544
Sharpening machine, Razor-blade-. S. Kanner. No. 1,271,715; July 9; v. 252; p. 303.
Sharpening machine, Razor-blade-. S. Kanner. No. 1,282,849; Oct. 29; v. 255; p. 873.
Sharpening machine, Saw-. W. J. Days. No. 1,274,012; July 30; v. 252; p. 1028.
Sharpening machines, Blade-holding mechanism for blade-. W. E. Nickerson. No. 1,280,284; Oct. 1; v. 255; p. 47.
Sharpening safety-razor blades, Device for. H. A. Vincent. No. 1,266,183; May 14; v. 250; p. 393.
Sharpening saws, Machine for. G. C. Hunter. No. 1,272,339; July 9; v. 252; p. 479.
Shaver, Automatic. J. E. Daley. No. 1,254,990; Jan. 29; v. 246; p. 1141.
Shaving and hair-cutting machine, Motor-driven. J. R. Martin. No. 1,262,536; Apr. 9; v. 249; p. 465.
Shaving apparatus. D. R. Smith. No. 1,255,061; Jan. 29; v. 246; p. 1159.
Shaving kit. J. Barrett. No. 1,286,167; Nov. 26; v. 256; p. 802.
Shaving kit. W. F. Erickson and H. D. Bolstad. No. 1,274,153; July 30; v. 252; p. 1068.
Shaving set. A. Wolf. No. 1,257,775; Feb. 26; v. 247; p. 891.
Sheaf-carrier. F. D. Wilson. No. 1,281,464; Oct. 15; v. 255; p. 431.
Sheaf-loader. N. Jackson. No. 1,273,065; July 16; v. 252; p. 708.
Shear-guard. H. K. Schell. No. 1,272,123; July 9; v. 252; p. 419.
Shears: *See*—
Animal-shears. Power-shears.
Coupon-shears. Rotary shears.
Garden-shears. Tree-trimming shears.
Shears. T. J. Fegley and G. O. Leopold. No. 1,266,784; May 21; v. 250; p. 588.
Shears. T. J. Fegley and G. O. Leopold. No. 1,288,858; Dec. 24; v. 257; p. 749.
Shears. J. B. Schneider. No. 1,269,319; June 11; v. 251; p. 371.
Shears and similar tool. W. C. Farrer and G. Glossop. No. 1,273,839; July 30; v. 252; p. 980.
Shears and wire-cutter. P. Broadbooks. No. 1,262,303; Apr. 9; v. 249; p. 399.
Shears, Apparatus for controlling the operation of. V. E. Edwards. No. 1,259,968; Mar. 19; v. 248; p. 654.
Shears, Cloth-feeding attachment for binders'-board. W. E. Reavis. No. 1,285,377; Nov. 19; v. 256; p. 566.
Shears, Cloth-rest for. C. G. Richardson. No. 1,262,844; Apr. 16; v. 249; p. 581.
Shears-support. W. M. Johnson. No. 1,264,809; Apr. 30; v. 249; p. 1178.
Shears, Work-support for rotary. H. C. Smith. No. 1,259,306; Mar. 12; v. 248; p. 429.
Shearing and punching machine. C. A. Stich. No. 1,259,801; Mar. 19; v. 248; p. 603.
Shearing-machine. A. J. Bates. No. 1,286,203; Dec. 3; v. 257; p. 5.
Sheath-removing tool. H. C. Cleve. No. 1,275,225; Aug. 13; v. 253. p. 274.
Sheathing, Machine for making reinforced. F. C. Arey. No. 1,254,299; Jan. 22; v. 246; p. 911.
Sheathing material. C. M. Clarke. No. 1,277,861; Sept. 3; v. 254; p. 147.
Sheathing material, Apparatus for manufacturing. C. M. Clarke. No. 1,254,481; Jan. 22; v. 246; p. 962.
Sheathing material, Manufacturing. C. M. Clarke. No. 1,269,906; June 18; v. 251; p. 564.
Sheathing, Sectional. J. C. Meem. No. 1,282,904; Oct. 29; v. 255; p. 888.
Sheave, Flexible. C. Burkholder. No. 1,267,374; May 28; v. 250; p. 779.
Sheep-shelter. A. O. Carr and H. R. Mills. No. 1,270,782; July 2; v. 252; p. 8.
Sheet and envelop, Combination letter-. M. Harris. No. 1,280,723; Oct. 8; v. 255; p. 194.
Sheet associating and folding machine. H. M. Barber. No. 1,269,039; June 11; v. 251; p. 292.
Sheet-buckler. A. E. Lane, J. R. Blaine, and C. Henderson. No. 1,289,051; Dec. 24; v. 257; p. 796.
Sheet-carrying machine. J. G. Hardie. No. 1,266,122; May 14; v. 250; p. 375.
Sheet-cleaning machine. S. E. Diescher. No. 1,279,672; Sept. 24; v. 254; p. 714.
Sheet-collating device, &c. M. F. Creahan. No. 1,271,281; July 2; v. 252; p. 150.
Sheet collecting, associating, and folding machine. H. M. Barber. No. 1,269,040; June 11; v. 251; p. 292.
Sheet collecting, associating, and folding machine. H. M. Barber. No. 1,269,041; June 11; v. 251; p. 292.
Sheet-collecting mechanism. H. M. Barber. No. 1,267,354; May 28; v. 250; p. 773.
Sheet-controlling means, Mechanical. G. P. Brand. No. 1,269,045; June 11; v. 251; p. 294.
Sheet-counting device. H. A. W. Wood and C. Nordfors. No. 1,273,438; July 23; v. 252; p. 834.
Sheet-delivery mechanism. F. H. Berold. No. 1,272,362; July 16; v. 252; p. 512.
Sheet device, Loose-. G. P. Wigginton. No. 1,288,342; Dec. 17; v. 257; p. 597.
Sheet fabric, Reinforced. C. B. Tewksbury. No. 1,285,465; Nov. 19; v. 256; p. 589.

Sheet fabrics. Apparatus for treating and forming weighted or loaded. D. Young. No. 1,266,373; May 14; v. 250; p. 443.
Sheet-feed mechanism. H. and A. H. Hayssen. No. 1,261,808; Apr. 9; v. 249; p. 264.
Sheet-feeder. C. W. Harrold. No. 1,275,679; Aug. 13; v. 253; p. 399.
Sheet-feeders. Constant-level device for. F. W. Sauer. No. 1,267,461; May 28; v. 250; p. 802.
Sheet feeding and gumming machine. J. D. Reifsnyder. No. 1,282,950; Oct. 29; v. 255; p. 901.
Sheet feeding and gumming apparatus. W. Rose. No. 1,268,627; June 4; v. 251; p. 159.
Sheet-feeding machine. T. F. Baily and F. T. Cope. No. 1,276,608; Aug. 20; v. 253; p. 690.
Sheet-feeding machine. T. A. Briggs. No. 1,259,598; Mar. 19; v. 248; p. 545.
Sheet-feeding machine. L. Middleditch. No. 1,255,203; Feb. 5; v. 247; p. 26.
Sheet-feeding mechanism. W. Cameron. No. 1,277,342; Aug. 27; v. 253; p. 920.
Sheet-feeding mechanism. W. C. Glass. No. 1,275,550; Aug. 13; v. 253; p. 362.
Sheet-feeding mechanism. J. White. No. 1,288,780; Dec. 24; v. 257; p. 732.
Sheet-handling machine. H. M. Barber. No. 1,252,768; Jan. 8; v. 246; p. 418.
Sheet-handling machine. H. M. Barber. No. 1,254,876; Jan. 29; v. 246; p. 1110.
Sheet-iron wheel. F. A. Schädler. No. 1,288,217; Dec. 17; v. 257; p. 568.
Sheet material, Folding. F. Zaleski. No. 1,265,578; May 7; v. 250; p. 192.
Sheet materials, Drying-oven for. F. Birchbauer. No. 1,288,810; Dec. 24; v. 257; p. 739.
Sheet metal and the like, Shears for cutting. I. Hultman. No. 1,284,688; Nov. 12; v. 256; p. 352.
Sheet-metal ball and method and means of making the same. J. H. Gruver. No. 1,278,915; Sept. 17; v. 254; p. 484.
Sheet-metal bin and corn-crib. H. E. Moomaw. No. 1,267,684; May 28; v. 250; p. 865.
Sheet-metal box. I. Paroly. No. 1,257,385; Feb. 26; v. 247; p. 775.
Sheet-metal desk construction. A. E. Jones. No. 1,287,038; Dec. 10; v. 257; p. 244.
Sheet-metal-doubling machine. J. G. Graham. No. 1,252,270; Jan. 1; v. 246; p. 239.
Sheet-metal fuse-plug contacts, Producing. H. F. Goetz. No. 1,282,567; Oct. 22; v. 255; p. 768.
Sheet-metal hollow ball and making the same. J. H. Gruver. No. 1,278,914; Sept. 17; v. 254; p. 484.
Sheet-metal house. E. J. Zahner. No. 1,253,763; Jan. 15; v. 246; p. 738.
Sheet-metal house. E. J. Zahner. No. 1,253,764; Jan. 15; v. 246; p. 738.
Sheet metal, Machine for making articles of. A. Calleson. No. 1,289,387; Dec. 31; v. 257; p. 905.
Sheet-metal pillar-cover. D. E. Baskerville. No. 1,288,371; Dec. 17; v. 257; p. 604.
Sheet-metal pipe, Spiral. T. Silk. No. 1,263,340; Apr. 16; v. 249; p. 719.
Sheet-metal-polishing machine. H. D. Euston. No. 1,253,675; Jan. 15; v. 246; p. 713.
Sheet-metal products, Forming. F. W. Guibert. No. 1,271,703; July 9; v. 252; p. 300.
Sheet-metal-seaming machine. J. W. Brown and W. Hess. No. 1,270,373; June 25; v. 251; p. 714.
Sheet-metal-severing means. J. Sedlin. No. 1,252,727; Jan. 8; v. 246; p. 406.
Sheet-metal strips, Machine for cutting and trimming. R. Helmold and H. Lorch. No. 1,269,081; June 11; v. 251; p. 304.
Sheet-metal structure. O. M. Otte. No. 1,271,210; July 2; v. 252; p. 130.
Sheet-metal utensil and making the same, Reshaped. H. A. Sévigné. No. 1,255,237; Feb. 5; v. 247; p. 35.
Sheet-metal work and means for making same. G. E. Schmidt. No. 1,277,127; Aug. 27; v. 253; p. 868.
Sheet-metal-working machine. J. Krueger. No. 1,279,362; Sept. 17; v. 254; p. 604.
Sheet-perforating machine, Note-. B. V. Edwards. No. 1,280,691; Oct. 8; v. 255; p. 186.
Sheet-piler. W. B. Story. No. 1,252,857; Jan. 8; v. 246; p. 441.
Sheet-registering mechanism. L. Middleditch. No. 1,252,604; Jan. 8; v. 246; p. 371.
Sheet-securing means, Flexible-. L. T. Roberts. No. 1,288,201; Dec. 17; v. 257; p. 565.
Sheet separating and feeding mechanism. J. C. Shults. No. 1,285,432; Nov. 19; v. 256; p. 581.
Sheet-stapling machine. D. A. Hopping. No. 1,276,528; Aug. 20; v. 253; p. 667.
Sheets and the like, particularly paper sheets, Knocking up. J. P. Petty and W. C. Aylard. No. 1,280,830; Oct. 8; v. 255; p. 225
Sheets, Apparatus for delivering folded. H. A. W. Wood. No. 1,266,742; May 21; v. 250; p. 577.
Sheets, Delivering folded. H. A. W. Wood. No. 1,266,741; May 21; v. 250; p. 577.
Sheets for pneumatically-operated devices, Control-. R. C. Harris. No. 1,289,465; Dec. 31; v. 257; p. 925.
Sheets or webs from fibrous materials, Production of. P. T. Wise, J. F. Malcolm, and C. T. Davis. No. 1,281,467; Oct. 15; v. 255; p. 431.
Sheets, slabs, and similar articles, Apparatus and process for making. R. H. Anderson. No. 1,268,203; June 4; v. 251; p. 38.
Sheeting apparatus, Slip-. E. E. Bartlett. No. 1,283,042; Oct. 29; v. 255; p. 927.
Sheeting-machine. F. E. T. Manz. No. 1,260,786; Mar. 26; v. 248; p. 923.
Shelf. T. T. Pritchard. No. 1,284,770; Nov. 12; v. 256; p. 373.
Shelf and manufacture, Metallic supporting-. H. W. Zawadzky. No. 1,255,266; Feb. 5; v. 247; p. 43.
Shelf and rack construction. M. E. Gensley. No. 1,286,280; Dec. 3; v. 257; p. 23.
Shelf brace, Grated-. C. E. Goldthwait. No. 1,273,215; July 23; v. 252; p. 775.
Shelf-bracket. W. H. Isaac. No. 1,288,010; Dec. 17; v. 257; p. 517.
Shelf-bracket. T. J. Osborne. No. 1,279,416; Sept. 17; v. 254; p. 618.
Shelf, Collapsible. F. A. Goodykoontz. No. 1,286,588; Dec. 3; v. 257; p. 99.
Shelf, Extensible. E. D. Conroy. No. 1,262,021; Apr. 9; v. 249; p. 320.
Shelf, Reversible hanging. H. R. Ford. No. 1,270,718; June 25; v. 251; p. 807.
Shelf-support. A. F. Carlin. No. 1,284,235; Nov. 12; v. 256; p. 237.
Shelving. A. J. Philip. No. 1,265,373; May 7; v. 250; p. 138.
Shelving. W. K. Williams and A. Vanderveld. No. 1,280,114; Sept. 24; v. 254; p. 838.
Shelving arrangement and container therefor. M. B. Dodson. No. 1,267,388; May 28; v. 250; p. 783.
Shelving, Metal. A. Mork. No. 1,282,104; Oct. 22; v. 255; p. 641.
Shelving, Metallic. C. B. Ulrich. No. 1,261,654; Apr. 2; v. 249; p. 188.
Shelving, Store-. R. R. Belcher. No. 1,282,369; Oct. 22; v. 255; p. 714.
Shell. M. B. Adom. No. 1,282,517; Oct. 22; v. 255; p. 754.
Shell. A. P. Clark. No. 1,275,660; Aug. 13; v. 253; p. 394.
Shell and projectile. L. S. Lachman. No. 1,278,357; Sept. 10; v. 254; p. 304.
Shell-bag. J. Danz, 2d. No. 1,275,862; Aug. 13; v. 253; p. 450.
Shell-casings, Process and apparatus for making. E. J. Noble. No. 1,286,726; Dec. 3; v. 257; p. 130.
Shell-centering method. C. R. Waseige. No. 1,285,503; Nov. 19; v. 256; p. 598.
Shell, Explosive. G. G. Griffin. No. 1,276,347; Aug. 20; v. 253; p. 616.
Shell, Incendiary explosive. F. W. McGaw. No. 1,287,372; Dec. 10; v. 257; p. 329.
Shell-loading machine. E. C. Atherton. No. 1,258,736; Mar. 12; v. 248; p. 267.
Shell-machine. H. Carle. No. 1,286,938; Dec. 10; v. 257; p. 218.
Shell-making machine. J. E. Ennis. No. 1,272,784; July 16; v. 252; p. 630.
Shell-marking machine. J. M. Brown. No. 1,253,463; Jan. 15; v. 246; p. 653.
Shell or projectile cases, Plug for. G. F. Bint. No. 1,253,773; Jan. 15; v. 246; p. 741.
Shell-plug. L. F. Stafford. No. 1,269,875; June 18; v. 251; p. 556.
Shell, Shrapnel-. W. Zaikowsky. No. 1,290,001; Dec. 31; v. 257; p. 1056.
Shell, Thermit-. P. C. Hansen. No. 1,277,311; Aug. 27; v. 253; p. 912.
Shell-turning machine. J. C. McLachlan. No. 1,252,129; Jan. 1; v. 246; p. 201.
Shells, Adjustable and improved cutting-head for boring out. S. Hough. No. 1,251,527; Jan. 1; v. 246; p. 23.
Shells and assembling them with cores, Forming cylindrical. H. A. Douglas. No. 1,256,666; Feb. 19; v. 247; p. 531.
Shells, De- and re-capper for shotgun-. J. L. Barnes. No. 1,269,249; June 11; v. 251; p. 352.
Shells, Device for quenching steel artillery-. T. F. Baily and F. T. Cope. No. 1,285,583; Nov. 26; v. 256; p. 657.
Shells to cores or hubs, Means for connecting. J. White. No. 1,282,341; Oct. 22; v. 255; p. 707.
Shells, Tool and method used in making. J. C. Hawley. No. 1,286,309; Dec. 3; v. 257; p. 31.
Sheller: *See*—
Corn-sheller. Peanut-sheller.
Shelter, Portable. C. C. Chittim. No. 1,259,080; Mar. 12; v. 248; p. 367.
Shield. J. H. Larnell. No. 1,281,400; Oct. 15; v. 255; p. 414.
Shield. C. E. Moloney. No. 1,279,571; Sept. 24; v. 254; p. 684.
Shield. A. C. Schulz. No. 1,259,784; Mar. 19; v. 248; p. 598.
Shield and trap, Hawser. D. G. Honan. No. 1,282,423; Oct. 22; v. 255; p. 728.

Shield, Body-protecting. N. Dorfman. No. 1,277,706; Sept. 3; v. 254; p. 104.
Shield, Chafing-. M. Bouvier. No. 1,251,468; Jan. 1; v. 246; p. 5.
Shield, Corn and bunion. N. G. Lowe No. 1,288,071; Dec. 17; v. 257; p. 533.
Shield for workmen. E. Ferrara. No. 1,265,764; May 14; v. 250; p. 274.
Shield, Glare-. O. A. Kubat. No. 1,286,352; Dec. 3; v. 257; p. 41.
Shield, Light-. W. Luth. No. 1,273,637; July 23; v. 252; p. 888.
Shield, Movable. M. J. Hahre. No. 1,261,518; Apr. 2; v. 249; p. 149.
Shield or protector suitable for the use of soldiers and others. D. Anderson. No. 1,256,422; Feb. 12; v. 247; p. 424.
Shield, Soldier's. A. Poniatowski. No. 1,267,588; May 28; v. 250; p. 838.
Shiftable stopper. T. C. Spelling. No. 1,278,244; Sept. 10; v. 254; p. 274.
Shifter mechanism. O. E. Hunt. No. 1,259,990; Mar. 19; v. 248; p. 660.
Shingle. A. S. Spiegel. No. 1,251,704; Jan. 1; v. 246; p. 78.
Shingle, Asphaltic. M. B. Becker. No. 1,256,508; Feb. 19; v. 247; p. 485.
Shingle-cutting machine. G. R. Wyman. No. 1,263,987; Apr. 23; v. 249; p. 919.
Shingle fastener, Asphalt-. H. W. White. No. 1,270,905; July 2; v. 252; p. 43.
Shingle, Flexible. A. A. Griswold. No. 1,274,410; Aug. 6; v. 253; p. 19.
Shingle-gage. J. A. Aksdal. No. 1,256,192; Feb. 12; v. 247; p. 356.
Shingle-gage. T. R. Condon and T. Schurman. No. 1,254,986; Jan. 29; v. 246; p. 1140.
Shingle-machine. A. M. Marshall. No. 1,261,581; Apr. 2; v. 249; p. 167.
Shingle-making composition. T. H. Brown. No. 1,263,847; Apr. 23; v. 249; p. 879.
Shingle, Metal. S. J. Davis. No. 1,269,583; June 18; v. 251; p. 473.
Shingle-packing machine. C. A. Cooney. No. 1,274,388; Aug. 6; v. 253; p. 12.
Shingle-producing apparatus. A. S. Spiegel. No. 1,260,088; Mar. 19; v. 248; p. 688.
Shingle, Self-ventilating. E. A. Seward and H. W. Key. No. 1,259,914; Mar. 19; v. 248; p. 637.
Shingle-strip-making machine. H. A. Cumfer and O. D. McFarland. No. 1,257,321; Feb. 26; v. 247; p. 758.
Shingle strips, Making composition-. H. A. Cumfer and O. D. McFarland. No. 1,276,881; Aug. 27; v. 253; p. 799.
Shingles from a single sheet of material, Making a plurality of. C. Russell. No. 1,274,605; Aug. 6; v. 253; p. 76.
Shingles, &c., Machine for making artificial-stone. R. W. Jagenburg. No. 1,281,577; Oct. 15; v. 255; p. 459.
Shingles, Machine for making composition. J. C. and O. M. Loyer. No. 1,273,388; July 23; v. 252; p. 821.
Ship. J. J. Bittlestone and H. T. Johnson. No. 1,282,371; Oct. 22; v. 255; p. 715.
Ship. G. E. Elia. No. 1,286,261; Dec. 3; v. 257; p. 19.
Ship. L. Hoffman. No. 1,285,182; Nov. 19; v. 256; p. 518.
Ship. J. Reid. No. 1,271,081; July 2; v. 252; p. 92.
Ship and boat construction. R. E. Hornbeck. No. 1,266,469; May 14; v. 250; p. 468.
Ship and ocean freight vessel for sail or steam purposes, Unsinkable passenger-. E. M. Boynton. No. 1,279,079; Sept. 17; v. 254; p. 528.
Ship-armor. M. J. Felland. No. 1,270,715; June 25; v. 251; p. 806.
Ship-brake. P. E. Gatchell. No. 1,256,786; Feb. 19; v. 247; p. 565.
Ship-bunk. D. C. Travis. No. 1,284,821; Nov. 12; v. 256; p. 386.
Ship-calking machine. M. B. Terlesky. No. 1,279,039; Sept. 17; v. 254; p. 517.
Ship construction. O. Kaussler. No. 1,259,860; Mar. 19; v. 248; p. 621.
Ship construction. A. McDougall. No. 1,257,621; Feb. 26; v. 247; p. 846.
Ship construction. A. McDougall. No. 1,259,540; Mar. 19; v. 248; p. 529.
Ship construction. A. Popowicz. No. 1,284,767; Nov. 12; v. 256; p. 372.
Ship-hatch. A. McDougall. No. 1,270,428; June 25; v. 251; p. 730.
Ship, Lumber-. D. D. McBean. No. 1,277,093; Aug. 27; v. 253; p. 855.
Ship, Non-sinkable. R. W. Vail. No. 1,274,821; Aug. 6; v. 253; p. 136.
Ship-propelling mechanism. C. J. Olsen. No. 1,281,643; Oct. 15; v. 255; p. 476.
Ship propulsion, Electric. H. M. Hobart. No. 1,273,782; July 23; v. 252; p. 925.
Ship propulsion, Electrical system of. H. M. Hobart. No. 1,262,497; Apr. 9; v. 249; p. 454.
Ship-propulsion installation. C. A. Parsons, R. J. Walker, S. S. Cook, and L. M. Douglas. No. 1,274,319; July 30; v. 252; p. 1113.
Ship propulsion, System of electric. E. F. W. Alexanderson. No. 1,289,593; Dec. 31; v. 257; p. 956.
Ship-propulsion turbine installation. C. A. Parsons, R. J. Walker, S. S. Cook, and L. M. Douglas. No. 1,281,824; Oct. 15; v. 255; p. 526.
Ship-protector. S. Babinec. No. 1,256,638; Feb. 19; v. 247; p. 522.
Ship-protector. A. A. Bombach. No. 1,262,439; Apr. 9; v. 249; p. 437.
Ship-protector. F. Borucz. No. 1,277,369; Sept. 3; v. 254; p. 9.
Ship-protector. R. J. Chapman. No. 1,265,610; May 7; v. 250; p. 200.
Ship-protector. K. Cuiklinski. No. 1,275,402; Aug. 13; v. 253; p. 323.
Ship-protector. T. A. Dalton. No. 1,270,792; July 2; v. 252; p. 10.
Ship-protector. A. Drohomirezki. No. 1,263,538; Apr. 23; v. 249; p. 796.
Ship-protector. J. Jakubik. No. 1,266,020; May 14; v. 250; p. 346.
Ship-protector. W. Kostiw. No. 1,252,814; Jan. 8; v. 246; p. 430.
Ship-protector. A. Kubeczko. No. 1,280,246; Oct. 1; v. 255; p. 37
Ship-protector. J. Lazowski. No. 1,280,771; Oct. 8; v. 255; p. 209.
Ship-protector. V. F. Maliszewski. No. 1,261,827; Apr. 9; v. 249; p. 270.
Ship-protector. R. H. Maxwell. No. 1,278,970; Sept. 17; v. 254; p. 499.
Ship-protector. M. Ostrowiecki. No. 1,261,848; Apr. 9; v. 249; p. 275.
Ship-protector. W. Piasecky. No. 1,257,525; Feb. 26; v. 247; p. 817.
Ship-protector. J. D. Piltz. No. 1,266,854; May 21; v. 250; p. 607.
Ship-protector. L. Sefcsik. No. 1,263,811; Apr. 23; v. 249; p. 869.
Ship-protector. J. Topczewski. No. 1,263,154; Apr. 16; v. 249; p. 670.
Ship-protector. J. Wosinski. No. 1,274,653; Aug. 6; v. 253; p. 90.
Ship-protector plate. P. Nobis. No. 1,288,967; Dec. 24; v. 257; p. 777.
Ship-raising mechanism. J. T. Cowles. No. 1,258,197; Mar. 5; v. 248; p. 72.
Ship-reaming tool. C. Fournier. No. 1,289,722; Dec. 31; v. 257; p. 987.
Ship, Reinforced. C. T. Bride. No. 1,274,981; Aug. 6; v. 253; p. 181.
Ship-repairing means. C. O. Kudsen. No. 1,263,566; Apr. 23; v. 249; p. 804.
Ship signal, Sunken-. H. Filiewicz. No. 1,253,583; Jan. 15; v. 246; p. 686.
Ship stabilizing and rolling apparatus. E. A. Sperry. (Reissue.) No. 14,435; Feb. 19; v. 247; p. 720.
Ship, Stage-. G. T. Vivian. No. 1,281,885; Oct. 15; v. 255; p. 543.
Ship-staircase, Adjustable safety. L. C. Lowder. No. 1,284,727; Nov. 12; v. 256; p. 363.
Ship-trimming apparatus. E. H. Messiter. No. 1,272,074; July 9; v. 252; p. 405.
Ship, Unsinkable. M. E. Lindsey. No. 1,264,311; Apr. 30; v. 249; p. 1041.
Ships against torpedo attacks, Apparatus for protecting. J. L. Alemany. No. 1,260,121; Mar. 19; v. 248; p. 696.
Ships against torpedo attacks, Lock-bar barrier for protecting. J. Pomfret, Sr. No. 1,273,664; July 23; v. 252; p. 896.
Ships, Apparatus for locating and raising sunken. G. McMickle. No. 1,258,584; Mar. 5; v. 248; p. 186.
Ship's armor. K. Brzyski. No. 1,289,639; Dec. 31; v. 257; p. 967.
Ship's armor. G. W. Dowthard. No. 1,264,380; Apr. 30; v. 249; p. 1060.
Ships, Device for closing holes in. R. E. Chapman. No. 1,286,227; Dec. 3; v. 257; p. 11.
Ships direct to and from a railway-station, Rail armament and car for loading and unloading. P. D'Amico. No. 1,263,651; Apr. 23; v. 249; p. 827.
Ships-emerging apparatus, Sunken-. S. P. Portella. No. 1,253,526; Jan. 15; v. 246; p. 669.
Ships from submarine explosions, Means for protecting. G. E. Elia. No. 1,286,174; Nov. 26; v. 256; p. 804.
Ships'-hatch tarpaulins or similar flexible coverings, Means for securing. E. E. Von Tell. No. 1,268,189; June 4; v. 251; p. 83.
Ship's hull, Formation of a. J. A. Johannessen and O. A. Waage. No. 1,263,899; Apr. 23; v. 249; p. 894.
Ships' hulls, Construction of. F. S. Pendleton. No. 1,255,784; Feb. 5; v. 247; p. 194.
Ship's light. T. Utley. No. 1,266,356; May 14; v. 250; p. 439.
Ships, Method of and apparatus for raising sunken. H. E. Rawlins. No. 1,278,215; Sept. 10; v. 254; p. 265.
Ship's navigating apparatus. E. W. Couchois. No. 1,280,406; Oct. 1; v. 255; p. 81.

Ships or vessels, Apparatus for indicating the course of. L. T. Bates. No. 1,261,682; Apr. 2; v. 249; p. 196.
Ships, Protective armor for. F. W. Bentley. No. 1,266,196; May 14; v. 250; p. 397.
Ships, Protective caisson for. J. F. and J. B. Newsom. No. 1,270,544; Jpne 25; v. 251; p. 762.
Ships, Refuse-ejector for. W. S. Parsons. No. 1,251,917; Jan. 1; v. 246; p. 141.
Ships, Torpedo-guard for. J. Lock. No. 1,285,261; Nov. 19; v. 256; p. 536.
Ships, Towing system for. G. Meyer and E. Waltz. No. 1,275,286; Aug. 13; v. 253; p. 290.
Shipping and marketing container. J. M. Hothersall. No. 1,266,685; May 21; v. 250; p. 561.
Shipping-box. A. Castellar. No. 1,263,036; Apr. 16; v. 249; p. 635.
Shipping-box. C. Hofman. No. 1,270,294; June 25; v. 251; p. 692.
Shipping-box. W. L. Smith and A. S. Dennis. No. 1,283,940; Nov. 5; v. 256; p. 132.
Shipping-box, Foldable. C. Hofman. No. 1,254,692; Jan. 29; v. 246; p. 1052.
Shipping-box, Knockdown isothermal. J. T. Bertrand. No. 1,267,840; May 28; v. 250; p. 911.
Shipping box or carton and vase for natural flowers and the like, Combined. M. Rubel. No. 1,270,554; June 25; v. 251; p. 765.
Shipping-case. F. L. Hamilton. No. 1,254,688; Jan. 29; v. 246; p. 1051.
Shipping-case, Sectional. B. P. Hall. No. 1,261,123; Apr. 2; v. 249; p. 38.
Shipping-jacket. W. H. Alexander. No. 1,268,201; June 4; v. 251; p. 37.
Shipping-support. A. C. Roebuck. No. 1,266,860; May 21; v. 250; p. 608.
Shipping-tanks, Safety attachment for. A. E. Ostrander. No. 1,256,158; Feb. 12; v. 247; p. 344.
Shirt. E. F. Booth. No. 1,269,251; June 11; v. 251; p. 352.
Shirt. C. M. Carr. No. 1,263,034; Apr. 16; v. 249; p. 635.
Shirt. C. C. Cooper. No. 1,263,743; Apr. 23; v. 249; p. 850.
Shirt. R. J. Fields. No. 1,276,631; Aug. 20; v. 253; p. 696.
Shirt. A. Fisher. No. 1,264,046; Apr. 23; v. 249; p. 934.
Shirt. H. S. Kennedy and C. M. Connolly. No. 1,252,449; Jan. 8; v. 246; p. 325.
Shirt. J. Meyerhoff. No. 1,284,126; Nov. 5; v. 256; p. 183.
Shirt. J. M. Van Heusen. No. 1,277,788; Sept. 3; v. 254; p. 128.
Shirt and collar fastener, Combined. R. Sato. No. 1,256,735; Feb. 19; v. 247; p. 551.
Shirt and suspenders, Combination. G. J. Birney. No. 1,257,450; Feb. 26; v. 247; p. 794.
Shirt and trousers supporter, Combined. J. J. Olson. No. 1,274,582; Aug. 6; v. 253; p. 69.
Shirt-centers, Folder and liner for. J. C. Hawley, No. 1,287,011; Dec. 10; v. 257; p. 237.
Shirt-neckbands, Ventilating attachment for. R. H. Gray. No. 1,252,263; Jan. 1; v. 246; p. 237.
Shirt, Reversible. W. H. Richards. No. 1,275,090; Aug. 6; v. 253; p. 212.
Shirt-sleeve. G. A. Vidette. No. 1,266,182; May 14; v. 250; p. 393.
Shirt-waist and skirt hanger. G. Wordingham. No. 1,268,416; June 4; v. 251; p. 99.
Shirt-waist for men. W. E. Heath. No. 1,259,234; Mar. 12; v. 248; p. 409.
Shirt-wrapper. J. Henderson. No. 1,269,707; June 18; v. 251; p. 508.
Shirts, Device for applying centers to. J. C. Hawley and W. S. Jackson. No. 1,259,980; Mar. 19; v. 248; p. 657.
Shirts, Protector for laundried. N. J. Goodman. No. 1,253,683; Jan. 15; v. 246; p. 715.
Shock-absorber. G. A. Anderson. No. 1,272,178; July 9; v. 252; p. 433.
Shock-absorber. A. M. Bangs. No. 1,289,081; Dec. 31; v. 257; p. 828.
Shock-absorber. C. S. Barrell. No. 1,282,712; Oct. 22; v. 255; p. 807.
Shock-absorber. G. O. Bjorneby. No. 1,280,377; Oct. 1; v. 255; p. 74.
Shock-absorber. G. G. F. Boswell. No. 1,287,850; Dec. 17; v. 257; p. 477.
Shock-absorber. J. H. Buckley. No. 1,282,374; Oct. 22; v. 255; p. 716.
Shock-absorber. R. S. Carter. No. 1,252,397; Jan. 8; v. 246; p. 309.
Shock-absorber. R. S. Carter. No. 1,273,329; July 23; v. 252; p. 804.
Shock-absorber. S. G. Conkling. No. 1,255,513; Feb. 5; v. 247; p. 115.
Shock-absorber. F. M. Crane. No. 1,287,243; Dec. 10; v. 257; p. 296.
Shock-absorber. W. C. Cranston. No. 1,259,367; Mar. 12; v. 248; p. 448.
Shock-absorber. G. E. Cutler and B. L. Monesmith. No. 1,289,122; Dec. 31; v. 257; p. 839.
Shock-absorber. E. Damme. No. 1,274,515; Aug. 6; v. 253; p. 50.
Shock-absorber. J. H. Donahoo. No. 1,260,761; Mar. 26; v. 248; p. 917.
Shock-absorber. E. Flentje. No. 1,267,532; May 28; v. 250; p. 822.
Shock-absorber. S. W. Ford. No. 1,267,395; May 28; v. 250; p. 784.
Shock-absorber. E. Fuller. No. 1,267,537; May 28; v. 250; p. 824.
Shock-absorber. V. E. Gee. No. 1,254,400; Jan. 22; v. 246; p. 939.
Shock-absorber. W. O. Gilbert. No. 1,254,674; Jan. 29; v. 246; p. 1046.
Shock-absorber. W. O. Gilbert. No. 1,254,675; Jan. 29; v. 246; p. 1046.
Shock-absorber. W. E. Goodyear. No. 1,268,452; June 4; v. 251; p. 110.
Shock-absorber. L. P. Halladay. No. 1,287,003; Dec. 10; v. 257; p. 235.
Shock-absorber. A. P. Hawn. No. 1,264,923; May 7; v. 250; p. 14.
Shock-absorber. E. Heinzer. No. 1,277,925; Sept. 3; v. 254; p. 163.
Shock-absorber. R. F. Hoffman. No. 1,288,891; Dec. 24; v. 257; p. 758.
Shock-absorber. W. H. Horstmann. No. 1,252,006; Jan. 1; v. 246; p. 166.
Shock-absorber. J. N. Hovas. No. 1,269,606; June 18; v. 251; p. 480.
Shock-absorber. C. A. Hubbard. No. 1,278,350; Sept. 10; v. 254; p. 302.
Shock-absorber. C. G. Krussell. No. 1,260,405; Mar. 26; v. 248; p. 810.
Shock-absorber. J. Lang. No. 1,269,289; June 11; v. 251; p. 361.
Shock-absorber. J. S. Madden. No. 1,261,255; Apr. 2; v. 249; p. 74.
Shock-absorber. R. G. Marx. No. 1,259,892; Mar. 19; v. 248; p. 630.
Shock-absorber. A. L. McGregor. No. 1,279,566; Sept. 24; v. 254; p. 683.
Shock-absorber. H. D. Meyers. No. 1,271,346; July 2; v. 252; p. 167.
Shock-absorber. M. H. Naber. No. 1,269,301; June 11; v. 251; p. 365.
Shock-absorber. D. F. Oliver. No. 1,260,018; Mar. 19; v. 248; p. 668.
Shock-absorber. D. F. Oliver. No. 1,260,019; Mar. 19; v. 248; p. 668.
Shock-absorber. W. C. Paul. No. 1,280,287; Oct. 1; v. 255; p. 48.
Shock-absorber. A. Petito. No. 1,274,321; July 30; v. 252; p. 1114.
Shock-absorber. A. R Pribil. No. 1,280,295; Oct. 1; v. 255; p. 51.
Shock-absorber. J. T. Schmitt. No. 1,278,030; Sept. 3; v. 254; p. 190.
Shock-absorber. O. R. Schwantes. No. 1,273,677; July 23; v. 252; p. 899.
Shock-absorber. O. R. Schwantes. No. 1,286,427; Dec. 3; v. 257; p. 60.
Shock-absorber. W. T. Sears. No. 1,281,079; Oct. 8; v. 255; p. 291.
Shock-absorber. M. R. Singerman. No. 1,279,463; Sept. 17; v. 254; p. 630.
Shock-absorber. T. J. Snyder. No. 1,273,011; July 16; v. 252; p. 695.
Shock-absorber. G. A. Starkweather. No. 1,281,686; Oct. 15; v. 255; p. 488.
Shock-absorber. F. W. Stilwill. No. 1,262,711; Apr. 16; v. 249; p. 543.
Shock-absorber. G. H. Stoner and E. L. Gilson. No. 1,279,034; Sept 17; v. 254; p. 516.
Shock-absorber. W. Storrie. No. 1,279,035; Sept. 17; v. 254; p. 516.
Shock-absorber. J. M. M. Truffault. No. 1,253,648; Jan. 15; v. 246; p. 704.
Shock-absorber. P. H. Webber. No. 1,263,494; Apr. 23; v. 249; p. 784.
Shock-absorber. A. G. Witt. No. 1,276,151; Aug. 20; v. 253; p. 562.
Shock-absorber. J. J. Woolsey. No. 1,264,469; Apr. 30; v. 249; p. 1086.
Shock-absorber. J. H. Young. No. 1,254,106; Jan. 22; v. 246; p. 855.
Shock-absorber. F. Zalanka. No. 1,270,582; June 25; v. 251; p. 773.
Shock-absorber, Aeroplane. P. Rosa. No. 1,277,260; Aug. 27; v. 253; p. 899.
Shock-absorber and bumper structure, Combined. A. L. McGregor. No. 1,260,926; Mar. 26; v. 248; p. 960.
Shock-absorber and the like. W. R. Reno. No. 1,263,469; Apr. 23; v. 249; p. 778.
Shock-absorber, Automatic foot-rest. H. Thompson. No. 1,272,575; July 16; v. 252; p. 571.
Shock-absorber, Fluid. F. V. Phillips. No. 1,255,787; Feb. 5; v. 247; p. 194.
Shock-absorber for automobiles. I. J. Albright. No. 1,257,950; Feb. 26; v. 247; p. 941.
Shock-absorber for automobiles. O. Fent and M. Ravenscroft. No. 1,267,318; May 21; v. 250; p. 735.
Shock-absorber for automobiles. A. B. Zumwalt. No. 1,265,021; May 7; v. 250; p. 42.

Shock-absorber for bicycles and motor-cycles. R. D. Newberry. No. 1,275,460; Aug. 13; v. 253; p. 338.
Shock-absorber for drilling-rigs. J. G. Lindsay. No. 1,264,131; Apr. 23; v. 249; p. 956.
Shock-absorber for handle-bars. W. S. Harley. No. 1,262,787; Apr. 16; v. 249; p. 565.
Shock-absorber for motor-cars. J. R. Mousley. No. 1,269,730; June 18; v. 251; p. 515.
Shock-absorber for motor-cars. J. R. Mousley. No. 1,269,731; June 18; v. 251; p. 515.
Shock-absorber for type-writers. J. A. Earhuff. No. 1,257,822; Feb. 26; v. 247; p. 905.
Shock-absorber for vehicles. S. A. Burrows. No. 1,281,248; Oct. 8; v. 255; p. 339.
Shock-absorber for vehicles. R. H. Hassler. No. 1,286,614; Dec. 3; v. 257; p. 105.
Shock-absorber for vehicles. E. Siegel. No. 1,264,694; Apr. 30; v. 249; p. 1148.
Shock-absorber, Frictional. F. V. Phillips. No. 1,255,788; Feb. 5; v. 247; p. 195.
Shock-absorber, Pneumatic. S. R. Cook. No. 1,261,011; Apr. 2; v. 249; p. 6.
Shock-absorber, Pneumatic. W. S. Eaton. No. 1,289,132; Dec. 31; v. 257; p. 842.
Shock-absorber, Rebound-check. E. A. Toerdahl. No. 1,275,177; Aug. 6; v. 253; p. 236.
Shock-absorbing antifriction-spring. J. M. Hamilton. No. 1,268,966; June 11; v. 251; p. 272.
Shock-absorbing arrangement for vehicles. J. P. Sinsou. No. 1,278,772; Sept. 10; v. 254; p. 415.
Shock-absorbing coupling. J. E. Merz. No. 1,270,186; June 18; v. 251; p. 637.
Shock-absorbing device. C. Pearson. No. 1,255,566; Feb. 5; v. 247; p. 131.
Shock-absorbing device, Spring. E. B. Killen. No. 1,280,236; Oct. 1; v. 255; p. 34.
Shock-absorbing means for draft-riggings, Auxiliary. J. F. O'Connor. No. 1,255,212; Feb. 5; v. 247; p. 29.
Shock-absorbing mechanism, Friction. J. F. O'Connor. No. 1,254,262; Jan. 22; v. 246; p. 899.
Shock-absorbing mechanism, Friction. J. F. O'Connor. No. 1,284,755; Nov. 12; v. 256; p. 370.
Shock-absorbing spring. S. Griffiths. No. 1,275,247; Aug. 13; v. 253; p. 280.
Shock-binder. M. F. McCray. No. 1,259,647; Mar. 19; v. 248; p. 558.
Shock-binder. T. W. Van Zante. No. 1,267,938; May 28; v. 250; p. 938.
Shock-binder, Sheet-metal. H. Ireland. No. 1,277,076; Aug. 27; v. 253; p. 851.
Shock-binder, Wire. H. Ireland. No. 1,277,077; Aug. 27; v. 253; p. 852.
Shock-binding means. P. H. Wisman. No. 1,285,535; Nov. 19; v. 256; p. 605.
Shock-compressor. D. M. Morse. No. 1,281,994; Oct. 15; v. 255; p. 570.
Shock-controlling device. C. B. Billinghurst. No. 1,253,129; Jan. 8; v. 246; p. 524.
Shock-controlling device. C. B. Billinghurst. No. 1,284,998; Nov. 19; v. 256; p. 470.
Shock-eliminator. R. T. Newton. No. 1,279,482; Sept. 17; v. 254; p. 636.
Shock-gatherer. H. D. Schneider. No. 1,255,470; Feb. 5; v. 247; p. 103.
Shock-loader. U. G. Greer. No. 1,253,170; Jan. 8; v. 246; p. 536.
Shock-loader. G. Hackley. No. 1,253,031; Jan. 8; v. 246; p. 496.
Shock-loader. H. Henderson. No. 1,289,169; Dec. 31; v. 257; p. 850.
Shock-loader. E. Pitcher. No. 1,258,142; Mar. 5; v. 248; p. 56.
Shock-loaders, Draft-rigging for. H. Henderson. No. 1,285,165; Nov. 19; v. 256; p. 513.
Shock-loaders, &c., Picker-tooth for. E. Martin. No. 1,258,351; Mar. 5; v. 248; p. 116.
Shock-loading machine, Corn-. G. H. Caley. No. 1,254,203; Jan. 22; v. 246; p. 883.
Shock-neutralizer. I. M. Uppercu. No. 1,283,602; Nov. 5; v. 256; p. 42.
Shocks by the axles of tramway and railway vehicles, Means for preventing. T. C. Winfield. No. 1,269,238; June 11; v. 251; p. 348.
Shocker. W. J. Carse. No. 1,288,833; Dec. 24; v. 257; p. 744.
Shocker. E. G. Cook. No. 1,264,368; Apr. 30; v. 249; p. 1057.
Shocker. P. Tovsen. No. 1,261,653; Apr. 2; v. 249; p. 187.
Shocking-machines, Automatic trip for. B. R. Benjamin. No. 1,272,360; July 16; v. 252; p. 512.
Shockless crossing. B. K. Deal. No. 1,284,878; Nov. 12; v. 256; p. 402.
Shoe. W. H. Bain. No. 1,264,881; May 7; v. 250; p. 3.
Shoe. G. Basler. No. 1,283,456; Nov. 5; v. 256; p. 5.
Shoe. J. N. Battista. No. 1,286,499; Dec. 3; v. 257; p. 79.
Shoe. C. C. Blake. No. 1,284,857; Nov. 12; v. 256; p. 396.
Shoe. E. J. Bliss. No. 1,258,629; Mar. 5; v. 248; p. 200.
Shoe. G. Capata. No. 1,269,385; June 11; v. 251; p. 388.
Shoe. J. Cavanagh. No. 1,268,432; June 4; v. 251; p. 103.
Shoe. E. J. Coghill. No. 1,263,645; Apr. 23; v. 249; p. 825.
Shoe. A. Conte. No. 1,251,966; Jan. 1; v. 246; p. 154.
Shoe. H. C. Egerton. No. 1,282,399; Oct. 22; v. 255; p. 722.
Shoe. G. Ferguson. No. 1,286,176; Nov. 26; v. 256; p. 805.
Shoe. E. Grossman and P. Malagrino. No. 1,256,476; Feb. 12; v. 247; p. 439.
Shoe. F. W. Homan. No. 1,269,281; June 11; v. 251; p. 360.
Shoe. W. F. Ingleman. No. 1,283,783; Nov. 5; v. 256; p. 90.
Shoe. H. Kaiser. No. 1,253,496; Jan. 15; v. 246; p. 661.
Shoe. M. Kaizumi. No. 1,277,941; Sept. 3; v. 254; p. 167.
Shoe. P. F. W. C. Krippendorf. No. 1,255,893; Feb. 12; v. 247; p. 266.
Shoe. I. M. Krohn and M. J. Sullivan. No. 1,282,874; Oct. 29; v. 255; p. 880.
Shoe. A. Madson. No. 1,265,100; May 7; v. 250; p. 65.
Shoe. J. V. Mattos. No. 1,257,091; Feb. 19; v. 247; p. 655.
Shoe. M. Morris. No. 1,284,423; Nov. 12; v. 256; p. 288.
Shoe. T. Parobi. No. 1,269,737; June 18; v. 251; p. 516.
Shoe. A. H. Prenzel. No. 1,278,503; Sept. 10; v. 254; p. 342.
Shoe. M. C. Schmidt. No. 1,284,934; Nov. 12; v. 256; p. 416.
Shoe. J. N. Schwander. No. 1,270,218; June 18; v. 251; p. 645.
Shoe. N. G. Shaw. No. 1,285,426; Nov. 19; v. 256; p. 580.
Shoe. W. Shaw. No. 1,269,652; June 18; v. 251; p. 492.
Shoe. I. M. Smith. No. 1,269,228; June 11; v. 251; p. 345.
Shoe. J. T. Tebbutt. No. 1,262,285; Apr. 9; v. 249; p. 394.
Shoe. P. and P. Vescio. No. 1,273,292; July 23; v. 252; p. 795.
Shoe. C. Von Culin and G. W. Beach. No. 1,274,111; July 30; v. 252; p. 1057.
Shoe. L. W. V. Wilms. No. 1,276,603; Aug. 20; v. 253; p. 689.
Shoe. A. F. Wirsching. No. 1,289,341; Dec. 31; v. 257; p. 894.
Shoe, Aluminum. M. Zavarkin. No. 1,268,199; June 4; v. 251; p. 37.
Shoe and a last, Machine for separating a. E. I. La Chapelle. No. 1,269,093; June 11; v. 251; p. 307.
Shoe and heel therefor. E. L. Sharpneck. No. 1,288,233; Dec. 17; v. 257; p. 572.
Shoe and lasting it, Lasted welt-. C. C. Blake. No. 1,261,741; Apr. 2; v. 249; p. 210.
Shoe and legging, Combined. H. S. Hale. No. 1,258,560; Mar. 5; v. 248; p. 179.
Shoe and legging, Combined. A. E. Little. No. 1,283,235; Oct. 29; v. 255; p. 977.
Shoe and making same. J. E. Scott. No. 1,260,945; Mar. 26; v. 248; p. 965.
Shoe and making shoes. E. S. Gara-Maghdesian. No. 1,261,802; Apr. 9; v. 249; p. 263.
Shoe and making the same. W. H. Bain. No. 1,264,880; May 7; v. 250; p. 3.
Shoe and making the same. W. H. Baynard. No. 1,274,665; Aug. 6; v. 253; p. 93.
Shoe and making the same, Friction-. T. O. Werner. No. 1,262,887; Apr. 16; v. 249; p. 593.
Shoe and manufacturing same, Imitation-leather. A. C. Emery. No. 1,280,197; Oct. 1; v. 255; p. 23.
Shoe and upper therefor, Button-. J. Gross. No. 1,254,039; Jan. 22; v. 246; p. 836.
Shoe, Arch-supporting. T. Coffey. No. 1,272,223; July 9; v. 252; p. 445.
Shoe, Athletic. C. Rokahr. No. 1,286,787; Dec. 3; v. 257; p. 143.
Shoe attachment for preventing wear upon heels of socks. M. W. Hunter. No. 1,282,584; Oct. 22; v. 255; p. 772.
Shoe, Blucher. F. L. Hayes. No. 1,263,318; Apr. 16; v. 249; p. 713.
Shoe-brushing machine. G. G. Hall. No. 1,275,674; Aug. 13; v. 253; p. 398.
Shoe-buckle-display device. O. Thomas. No. 1,282,652; Oct. 22; v. 255; p. 791.
Shoe-clamp. M. A. Zielinski. No. 1,252,764; Jan. 8; v. 246; p. 417.
Shoe-cleaning device. T. M. Howell. No. 1,260,199; Mar. 19; v. 248; p. 717.
Shoe clearance, Device for maintaining. W. V. Turner. No. 1,278,525; Sept. 10; v. 254; p. 348.
Shoe-closure. H. Borcherts. No. 1,260,864; Mar. 26; v. 248; p. 944.
Shoe, Cloth. C. Y. Sawyer. No. 1,284,788; Nov. 12; v. 256; p. 377.
Shoe, Cushion-. J. Ebner. No. 1,283,704; Nov. 5; v. 256; p. 70.
Shoe-dauber. D. Dover. No. 1,267,521; May 28; v. 250; p. 819.

Shoe-dipping machine. J. H. Wall. No. 1,282,503; Oct. 22; v. 255; p. 750.
Shoe-dressing machines, Guard-operating mechanism for. C. F. Burkhart. No. 1,278,848; Sept. 17; v. 254; p. 465.
Shoe-drier. E. G. Smith. No. 1,270,666; June 25; v. 251; p. 795.
Shoe-exhibiting apparatus. J. Cavanagh. No. 1,282,755; Oct. 29; v. 255; p. 846.
Shoe-fastener. T. Butler. No. 1,276,026; Aug. 20; v. 253; p. 526.
Shoe-fastener. A. H. Fisher. No. 1,267,753; May 28; v. 250; p. 884.
Shoe-fastener. A. D. Frascola. No. 1,269,274; June 11; v. 251; p. 358.
Shoe-fastener. E. E. Hills. No. 1,277,417; Sept. 3; v. 254; p. 24.
Shoe-fastener. H. Ichihara. No. 1,260,265; Mar. 19; v. 248; p. 736.
Shoe-fastener. A. Peterson. No. 1,256,254; Feb. 12; v. 247; p. 374.
Shoe-fastener. M. L. Smith. No. 1,272,137; July 9; v. 252; p. 423.
Shoe-fastener. O. J. Spreen. No. 1,270,341; June 25; v. 251; p. 706.
Shoe-fastening. M. G. Grundmann. No. 1,273,360; July 23; v. 252; p. 813.
Shoe-fastening. R. E. Taylor. No. 1,289,573; Dec. 31; v. 257; p. 951.
Shoe-fastening means. J. J. Rundus. No. 1,257,026; Feb. 19; v. 247; p. 637.
Shoe-filler composition. H. S. Tirrell. No. 1,258,272; Mar. 5; v. 248; p. 94.
Shoe-fitting device. W. J. Gibbs. No. 1,286,586; Dec. 3; v. 257; p. 98.
Shoe-fitting device. D. A. Thalimer. No. 1,261,459; Apr. 2; v. 249; p. 132.
Shoe for electric cranes, Contact-. L. P. Reed. No. 1,286,103; Nov. 26; v. 256; p. 786.
Shoe-form. A. E. Goodwin. No. 1,285,130; Nov. 19; v. 256; p. 503.
Shoe-form. J. C. Schelter and L. B. Whipple. No. 1,289,925; Dec. 31; v. 257; p. 1038.
Shoe-forms, Heel-support for. A. E. Goodwin. No. 1,260,370; Mar. 26; v. 248; p. 801.
Shoe-holding mechanism. E. Erickson. No. 1,258,400; Mar. 5; v. 248; p. 131.
Shoe-holding mechanism. E. E. Winkley. No. 1,258,846; Mar. 12; v. 248; p. 300.
Shoe-horn, Clamping. R. P. and R. A. Orr. No. 1,271,069; July 2; v. 252; p. 89.
Shoe-insole. E. Peterson. No. 1,286,086; Nov. 26; v. 256; p. 782.
Shoe-lace clip. S. M. Goslee. No. 1,280,984; Oct. 8; v. 255; p. 265.
Shoe-lace fastener. A. S. Feller and A. Gruner. No. 1,288,859; Dec. 24; v. 257; p. 750.
Shoe-last. J. E. Hooper. No. 1,280,226; Oct. 1; v. 255; p. 31.
Shoe-last. M. M. Merritt. No. 1,282,258; Oct. 22; v. 255; p. 684.
Shoe-last. M. M. Merritt. No. 1,282,260; Oct. 22; v. 255; p. 685.
Shoe-last, Expansion. C. E. Hurlbut. No. 1,280,615; Oct. 1; v. 255; p. 139.
Shoe-machine. A. A. Macleod and L. M. Brown. No. 1,271,741; July 9; v. 252; p. 310.
Shoe-machine feeding mechanism. T. Lund. No. 1,284,729; Nov. 12; v. 256; p. 363.
Shoe-machines, Work-holding means for. J. F. Standish. No. 1,259,796; Mar. 19; v. 248; p. 601.
Shoe-machines, Work-support for. A. B. Fowler. No. 1,256,547; Feb. 19; v. 247; p. 495.
Shoe machinery, Pasting mechanism for. F. E. Ewell. No. 1,278,449; Sept. 10; v. 254; p. 326.
Shoe machinery, Work-support for. J. Gouldbourn. No. 1,262,778; Apr. 16; v. 249; p. 563.
Shoe, Mud-. T. Kurrell, H. Schneider, and J. Helms. No. 1,266,492; May 14; v. 250; p. 475.
Shoe-nail. N. R. Carrell. No. 1,257,807; Feb. 26; v. 247; p. 900.
Shoe-nailing machine. J. Bragg. No. 1,252,378; Jan. 1; v. 246; p. 270.
Shoe-polisher. J. W. Ensley. No. 1,262,473; Apr. 9; v. 249; p. 446.
Shoe-polisher. J. A. Peckham. No. 1,257,736; Feb. 26; v. 247; p. 880.
Shoe polisher and guard. A. M. Towle. No. 1,258,828; Mar. 12; v. 248; p. 295.
Shoe-polishing cabinet. R. J. McCredie. No. 1,254,821; Jan. 29; v. 246; p. 1092.
Shoe-polishing device. J. Danielson. No. 1,275,861; Aug. 13; v. 253; p. 450.
Shoe-polishing machine. J. H. Beck. No. 1,254,965; Jan. 29; v. 246; p. 1134.
Shoe-polishing machine. S. Fox. No. 1,284,640; Nov. 12; v. 256; p. 340.
Shoe-polishing machine, Coin-operated. F. C. De Lano. No. 1,283,106; Oct. 29; v. 255; p. 944.
Shoe-press. E. G. Dihlmann. No. 1,272,019; July 9; v. 252; p. 388.
Shoe-press. E. G. Dihlmann. No. 1,276,627; Aug. 20; v. 253; p. 695.
Shoe-press, Pneumatic. J. R. Gammeter. No. 1,283,144; Oct. 29; v. 255; p. 953.
Shoe press, Rubber-. J. R. Gammeter. No. 1,271,307; July 2; v. 252; p. 156.
Shoe-protecting device. P. H. Farley. No. 1,260,888; Mar. 26; v. 248; p. 950.
Shoe-rack. P. Garant. No. 1,270,811; July 2; v. 252; p. 16.
Shoe-rack. J. R. Green. No. 1,278,332; Sept. 10; v. 254; p. 298.
Shoe-rack. W. P. Hammond. No. 1,270,817; July 2; v. 252; p. 18.
Shoe-rack. R. Imbiani. No. 1,273,494; July 23; v. 252; p. 849.
Shoe-retainer. V. Benedetti. No. 1,277,177; Aug. 27; v. 253; p. 879.
Shoe-shank stiffener and heel-plate. L. O. Cobler and J. E. Deandrea. No. 1,265,056; May 7; v. 250; p. 52.
Shoe-shaping machine. E. Erickson. No. 1,267,392; May 28; v. 250; p. 784.
Shoe-shining kit. R. W. Gregg. No. 1,272,424; July 16; v. 252; p. 528.
Shoe-shining machine. E. T. S. Cliffe. No. 1,289,117; Dec. 31; v. 257; p. 838.
Shoe-shining machine. H. J. Daly and W. L. Tobias. No. 1,264,279; Apr. 30; v. 249; p. 1032.
Shoe-shining machine, Automatic. G. W. Martin and C. Price. No. 1,267,435; May 28; v. 250; p. 796.
Shoe-shining stand. G. E. Monahan. No. 1,286,712; Dec. 3; v. 257; p. 127.
Shoe-sizer. H. E. Maine. No. 1,252,920; Jan. 8; v. 246; p. 459.
Shoe-slider. G. B. Weldon. No. 1,284,001; Nov. 5; v. 256; p. 147.
Shoe-sole. L. F. Montgomery. (Reissue.) No. 14,577; Dec. 24; v. 257; p. 801.
Shoe-sole. J. Solomon. No. 1,281,220; Oct. 8; v. 255; p. 331.
Shoe-sole and manufacturing same. T. Lund. No. 1,282,253; Oct. 22; v. 255; p. 683.
Shoe-sole, Interchangeable reinforced. H. C. Egerton. No. 1,282,400; Oct. 22; v. 255; p. 722.
Shoe-soles and making same, Substitute for. G. H. Bruce. No. 1,280,957; Oct. 8; v. 255; p. 258.
Shoe, Sporting-. D. J. Golden. No. 1,278,140; Sept. 10; v. 254; p. 245.
Shoe, Spring-calk drive-. L. K. Johnson. No. 1,282,846; Oct. 29; v. 255; p. 872.
Shoe, Spudding-. J. R. Corbett. No. 1,275,395; Aug. 13; v. 253; p. 322.
Shoe-stiffener blank. O. R. Witter. No. 1,283,391; Oct. 29; v. 255; p. 1019.
Shoe-stock-sorting machine. E. E. Winkley. No. 1,270,476; June 25; v. 251; p. 743.
Shoe-stretcher. G. W. E. Hohme. No. 1,253,973; Jan. 15; v. 246; p. 796.
Shoe-stretcher. A. Marchetti. No. 1,284,198; Nov. 5; v. 256; p. 201.
Shoe-support. V. Di Maggio. No. 1,286,558; Dec. 3; v. 257; p. 92.
Shoe-support. J. H. Meacham. No. 1,253,624; Jan. 15; v. 246; p. 698.
Shoe-tongue. C. Tweedie. No. 1,265,281; May 7; v. 250; p. 113.
Shoe-tongue, Detachable. J. Bromley. No. 1,253,777; Jan. 15; v. 246; p. 742.
Shoe-tongues, Adjustable pad for. J. Koppe. No. 1,255,616; Feb. 5; v. 247; p. 146.
Shoe-top former. W. H. Poppe. No. 1,288,984; Dec. 24; v. 257; p. 780.
Shoe, Traction-. M. D. Byrne, Jr. No. 1,252,997; Jan. 8; v. 246; p. 485.
Shoe-tread. G. S. Ellithorpe. No. 1,278,320; Sept. 10; v. 254; p. 294.
Shoe-tree. F. X. Delaney. No. 1,271,547; July 9; v. 252; p. 255.
Shoe-turning machine. M. Bruner and W. V. Neal. No. 1,253,345; Jan. 15; v. 246; p. 617.
Shoe-turning machine. J. W. Cosgrove and E. Erickson. No. 1,257,583; Feb. 26; v. 247; p. 834.
Shoe-upper. E. Fischer. No. 1,289,720; Dec. 31; v. 257; p. 987.
Shoe-upper-marking machine. A. W. Brice and I. E. Booth. No. 1,278,842; Sept. 17; v. 254; p. 463.
Shoe-uppers, Needle for lacing. A. E. Jerram. No. 1,289,183; Dec. 31; v. 257; p. 854.
Shoe-uppers, Preparing. M. Brock. No. 1,285,011; Nov. 19; v. 256; p. 474.
Shoe, Ventilated. F. N. Paul. No. 1,264,122; Apr. 23; v. 249; p. 954.
Shoe with ankle-brace. W. H. Bain. No. 1,269,518; June 11; v. 251; p. 423.
Shoes and lasts, Separating. E. B. Grush. No. 1,253,589; Jan. 15; v. 246; p. 688.
Shoes and the like, Bottom-filling. E. E. Libby and E. F. Logan. No. 1,283,234; Oct. 29; v. 255; p. 977.
Shoes and the like, Cover for display-lasts for. R. E. Dralle. No. 1,272,400; July 16; v. 252; p. 523.
Shoes, Antislipping device for. A. A. Unruh. No. 1,274,110; July 30; v. 252; p. 1057.
Shoes, Apparatus for treating. J. E. Groat. No. 1,269,429; June 11; v. 251; p. 399.

Shoes, Blindstitch tip for. L. D. Hiltz. No. 1,273,487; July 23; v. 252; p. 848.
Shoes, Box material for box-toes or the like for. A. J. Ryan. No. 1,269,647; June 18; v. 251; p. 491.
Shoes, Detachable bow-support for. L. F. Jones. No. 1,273,376; July 23; v. 252; p. 817.
Shoes, Detachable wearing-plate for. C. G. Hayhurst. No. 1,260,901; Mar. 26; v. 248; p. 953.
Shoes, Device for applying fluids to. F. M. Furber. No. 1,274,407; Aug. 6; v. 253; p. 18.
Shoes, Fireproof sole for. C. A. Caldwell. No. 1,285,933; Nov. 26; v. 256; p. 746.
Shoes from treading over, Means for preventing. L. B. Weston. No. 1,254,098; Jan. 22; v. 246; p. 853.
Shoes, Inseaming. W. I. Ryan and F. P. Ayer. No. 1,276,816; Aug. 27; v. 253; p. 782.
Shoes, Instrument for applying liquid finish to. H. Marois. No. 1,253,408; Jan. 15; v. 246; p. 637.
Shoes, Instrument for applying liquid finish to. H. Marois. No. 1,256,581; Feb. 19; v. 247; p. 505.
Shoes, Machine for assembling. C. Rydell. No. 1,286,790; Dec. 3; v. 257; p. 144.
Shoes, Machine for leveling spring-heel. D. M. Frye, Jr. No. 1,271,694; July 9; v. 252; p. 297.
Shoes, Machine for operating on. F. H. Perry. No. 1,272,707; July 16; v. 252; p. 610.
Shoes, Machine for operating upon. N. H. Knowlton. No. 1,285,740; Nov. 26; v. 256; p. 697.
Shoes, Making. C. C. Blake. No. 1,284,863; Nov. 12; v. 256; p. 397.
Shoes, Making. M. Brock. No. 1,273,323; July 23; v. 252; p. 802.
Shoes, Making. E. Brothers. No. 1,289,633; Dec. 31; v. 257; p. 966.
Shoes, Making. G. and E. Grieger. No. 1,257,364; Feb. 26; v. 247; p. 769.
Shoes, Making. P. F. W. C. Krippendorf. No. 1,255,892; Feb. 12; v. 247; p. 265.
Shoes, Making. L. F. Mahler. No. 1,283,842; Nov. 5; v. 256; p. 107.
Shoes, Making. J. F. McLaughlin. No. 1,252,283; Jan. 1; v. 246; p. 244.
Shoes, Making. J. R. McLaughlin. No. 1,276,090; Aug. 20; v. 253; p. 545.
Shoes, Making. S. J. Pentler and O. R. Short. No. 1,282,625; Oct. 22; v. 255; p. 783.
Shoes, Making. P. J. Wentworth. No. 1,280.604 · Oct. 1; v. 255; p. 136.
Shoes, Making insoles for. H. F. Busch. No. 1,279,980; Sept. 24; v. 254; p. 802.
Shoes, Making turn-. M. L. Dodge. No. 1,258,201; Mar. 5; v. 248; p. 73.
Shoes, Pull-on device for. W. M. Hurley. No. 1,278,351; Sept. 10; v. 254; p. 302.
Shoes, Quarters for low. J. E. Leavitt. No. 1,266,498; May 14; v. 250; p. 476.
Shoes, Separable non-slipping attachment for. R. Kalfurst. No. 1,284,703; Nov. 12; v. 256; p. 356.
Shoes, Tool for resoling. G. Merendino. No. 1,253,704; Jan. 15; v. 246; p. 722.
Shoes, Top-tree for. J. N. Mayhew. No. 1,258,133; Mar. 5; v. 248; p. 54.
Shoes, Top-tree for. J. N. Mayhew. No. 1,266,512; May 14; v. 250; p. 480.
Shoes, Tread portion for. L. McMillan. No. 1,253,701; Jan. 15; v. 246; p. 721.
Shoes, Wear-peg for. C. S. Simcoe. No. 1,280,882; Oct. 8; v. 255; p. 239.
Shoemaker's stand. T. E. Aho. No. 1,270,682; June 25; v. 251; p. 799.
Shooting-gallery. F. W. Thompson. No. 1,256,079; Feb. 12; v. 247; p. 321.
Shopping and toilet case. E. W. McCarroll. No. 1,283,832; Nov. 5; v. 256; p. 104.
Shore. R. Blankenship. No. 1,264,261; Apr. 30; v. 249; p. 1027.
Shore protection, Mattress for. A. O. Cunningham. No. 1,275,860; Aug. 13; v. 253; p. 449.
Shore, Self-locking adjustable. E. R. Bell. No. 1,273,811; July 30; v. 252; p. 791.
Shores, Protecting. A. O. Cunningham. No. 1,275,859; Aug. 13; v. 253; p. 449.
Shorthand-machine. W. S. Ireland. No. 1,278,474; Sept. 10; v. 254; p. 333.
Shorthand-machine. W. S. Ireland. No. 1,280,743; Oct. 8; v. 255; p. 200.
Shorthand-machine. W. S. Ireland. No. 1,283,198; Oct. 29; v. 255; p. 967.
Shorthand-machine for the blind. C. L. Chinnock. No. 1,264,014; Apr. 23; v. 249; p. 926.
Shot-firing device. E. Porphir. No. 1,251,820; Jan. 1; v. 246; p. 115.
Shoulder-arms, Insulated grip for bayonet-carrying. H. Brewer. No. 1,253,665; Jan. 15; v. 246; p. 709.
Shoulder-pad and the like. R. Jackson, Jr. No. 1,270,031; June 18; v. 251; p. 596.
Shovel: *See*—
Coal-shovel.
Coal-loading shovel.
Cultivator-shovel.
Excavating-shovel.
Motor-actuated shovel.
Portable shovel.
Power-shovel.
Self-adjusting shovel.
Sifting-shovel.
Snow-shovel.
Steam-shovel.
Shovel. W. Bauer. No. 1,281,483; Oct. 15; v. 255; p. 435.
Shovel. D. M. Coiner. No. 1,273,581; July 23; v. 252; p. 873.
Shovel. W. Custer. No. 1,287,901; Dec. 17; v. 257; p. 490.
Shovel. J. E. Moon. No. 1,274,927; Aug. 6; v. 253; p. 166.
Shovel. C. T. Posten. No. 1,264,433; Apr. 30; v. 249; p. 1076.
Shovel. J. Robetaille. No. 1,289,916; Dec. 31; v. 257; p. 1035.
Shovel. F. E. Schneider. No. 1,265,528; May 7; v. 250; p. 179.
Shovel. C. Singer. No. 1,263,949; Apr. 23; v. 249; p. 909.
Shovel. J. A. Southwell. No. 1,261,638; Apr. 2; v. 249; p. 183.
Shovel-blades and spreading-tangs, Machine for forming. G. W. Benton. No. 1,262,624; Apr. 16; v. 249; p. 518.
Shovel dipper, Rock-carrying steam-. E. J. Moynihan. No. 1,263,790; Apr. 23; v. 249; p. 863.
Shovel dipper, Rock-carrying steam-. E. J. Moynihan. No. 1,263,791; Apr. 23; v. 249; p. 863.
Shovel dipper, Steam-. A. M. Gow. No. 1,274,533; Aug. 6; v. 253; p. 56.
Shovel-handle. R. M. Shellabarger. No. 1,267,915; May 28; v. 250; p. 931.
Shovel mechanism, Steam-. H. H. Harris. No. 1,276,527; Aug. 20; v. 253; p. 667.
Shovels and the like, Steering device for revolving. C. B. King, B. Jacoby, and H. E. Roush. No. 1,267,422; May 28; v. 250; p. 792.
Shovels, Dipper for steam-. W. F. McMonegal. No. 1,258,585; Mar. 5; v. 248; p. 186.
Shovels, Tripping attachment for revolving steam and electric. J. Haas and C. Strada. No. 1,264,920; May 7; v. 250; p. 13.
Shoveling-board and end-gate, Combination. J. H. Anderson. No. 1,252,381; Jan. 8; v. 246; p. 305.
Shoveling or mucking machine. M. T. Hoster. No. 1,277,214; Aug. 27; v. 253; p. 888.
Show-case. E. Higgins. No. 1,261,812; Apr. 9; v. 249; p. 265.
Show-case. F. Loudon. (Reissue.) No. 14,571; Dec. 17, v. 257; p. 626.
Show-case display-tray. R. A. Kline. No. 1,289,193; Dec. 31; v. 257; p. 856.
Show-case fastening-clip. H. R. Ruse. No. 1,282,634; Oct. 22; v. 255; p. 786.
Show-case-lighting device. R. B. Benjamin. No. 1,266,908; May 21; v. 250; p. 622.
Show-case or refrigerator. A. Amyot. No. 1,257,300; Feb. 26; v. 247; p. 751.
Show-cases and other structures, Corner-joint for knock-down. I. M. Storvick. No. 1,282,719; Oct. 22; v. 255; p. 809.
Show-cases and the like, Connecting-piece for the walls of. E. Morris. No. 1,269,839; June 18; v. 251; p. 546.
Shredding and spinning machines, Magazine feed apparatus for. G. A. Lowry. No. 1,258,795; Mar. 12; v. 248; p. 284.
Shutter. J. S. Truitt and E. Ackerman. No. 1,251,593; Jan. 1; v. 246; p. 44.
Shutter-actuating device. P. J. Marks. No. 1,255,901; Feb. 12; v. 247; p. 268.
Shutter-actuating device. P. J. Marks. No. 1,270,537; June 25; v. 251; p. 760.
Shutter, Automatic. F. Koch and H. Granvill. No. 1,277,951; Sept. 3; v. 254; p. 169.
Shutter device, Automatic. H. C. Jones. No. 1,268,577; June 4; v. 251; p. 144.
Shutter, Focal-plane. E. C. Bass. No. 1,287,183; Dec. 10; v. 257; p. 281.
Shutter-hinge. C. B. Wiltse and W. J. Smith. No. 1,280,611; Oct. 1; v. 255; p. 138.
Shutter mechanism. M. B. Burgess. No. 1,281,131; Oct. 8; v. 255; p. 306.
Shutter-opener. J. Rock, Jr. No. 1,280.553; Oct. 1; v. 255; p. 122.
Shutter-operating device. W. Rogers. No. 1,270,439; June 25; v. 251; p. 733.
Shutter-releasing device, Detachable. P. J. Marks. No. 1,273,172; July 23; v. 252; p. 764.
Shutter, Rolling. W. H. Barry and T. E. Collins. No. 1,268,914; June 11; v. 251; p. 257.
Shutter, Safety-. C. J. Lancaster. No. 1,267,087; May 21; v. 250; p. 672.
Shutter-trip. H. M. Hall. No. 1,275,555; Aug. 13; v. 253; p. 364.
Shutter, Ventilating-. J. C. Goodman. No. 1,259,013; Mar. 12; v. 248; p. 349.
Shuttle. S. A. Dudley. No. 1,277,882; Sept. 3; v. 254; p. 152.
Shuttle. J. D. Nix. No. 1,268,759; June 4; v. 251; p. 194.
Shuttle. J. Northrop. No. 1,252,293; Jan. 1; v. 246; p. 247.
Shuttle. J. Northrop. No. 1,252,294; Jan. 1; v. 246; p. 247.
Shuttle. J. Northrop. No. 1,257,102; Feb. 19; v. 247; p. 657.
Shuttle. J. Northrop. No. 1,280,819; Oct. 1; v. 255; p. 222.

Shuttle. J. C. Shambow. No. 1,257,750; Feb. 26; v. 247; p. 884.
Shuttle. J. Smith. No. 1,273,794; July 23; v. 252; p. 928.
Shuttle. L. P. Spencer and W. H. Wilson. No. 1,272,138; July 9; v. 252; p. 423.
Shuttle. J. Tartaglione. No. 1,254,169; Jan. 22; v. 246; p. 873.
Shuttle. U. N. Trembley. No. 1,267,834; May 28; v. 250; p. 905.
Shuttle. E. F. Wilmot. No. 1,265,570; May 7; v. 250; p. 190.
Shuttle-check. J. W. Bounds and T. J. McDaniel. No. 1,251,744; Jan. 1; v. 246; p. 91.
Shuttle-check. G. W. Robertson and C. C. Bolen. No. 1,281,070; Oct. 8; v. 255; p. 289.
Shuttle-check. J. M. Wheaton. No. 1,265,015; May 7; v. 250; p. 40.
Shuttle-feeler. H. O. Burns. No. 1,288,378; Dec. 17; v. 257; p. 606.
Shuttle-motion. A. M. Suther. No. 1,256,611; Feb. 19; v. 247; p. 515.
Shuttle, Tatting-. J. Haslam. No. 1,287,010; Dec. 10; v. 257; p. 237.
Shuttle tension. H. W. Owen. No. 1,283,882; Nov. 5; v. 256; p. 118.
Shuttle tension device. F. Scielzo and R. Deleu. No. 1,282,641; Oct. 22; v. 255; p. 788.
Shuttles, Friction device for. W. J. D. Long. No. 1,279,383; Sept. 17; v. 254; p. 610.
Shuttles, Thread-cutting device for. J. P. Morissette. No. 1,257,096; Feb. 19; v. 247; p. 656.
Sick-room table. A. Petus and S. Mizerak. No. 1,286,087; Nov. 26; v. 256; p. 782.
Sickle attachment. J. Rankin. No. 1,272,095; July 9; v. 252; p. 410.
Sickle-bar for cutting peppermint. G. F. L. Krienke, Jr. No. 1,283,807; Nov. 5; v. 256; p. 96.
Sickle-bar-holding device. A. Bengtson. No. 1,261,475; Apr. 2; v. 249; p. 136.
Sickle-blades when sharpening, Device for supporting. C. Lundgren. No. 1,277,966; Sept. 3; v. 254; p. 174.
Sickle, Endless. L. H. Nazer and J. L. Jensen. No. 1,257,101; Feb. 19; v. 247; p. 657.
Side-arm. N. J. Maluf. No. 1,260,007; Mar. 19; v. 248; p. 665.
Side-delivery rake. L. R. Clausen. No. 1,283,674; Nov. 5; v. 256; p. 62.
Side-delivery rake. E. C. Smith. No. 1,256,178; Feb. 12; v. 247; p. 352.
Side-force and danger indicator. M. J. Klein. No. 1,286,347; Dec. 3; v. 257; p. 40.
Side frame. E. E. Slick. No. 1,261,064; Apr. 2; v. 249; p. 21.
Sidewalk and roof construction. A. W. Kent. No. 1,283,208; Oct. 29; v. 255; p. 970.
Sidewalk-light and other construction. H. C. Seipp. No. 1,265,395; May 7; v. 250; p. 144.
Siding or clapboard spacing gage. M. J. Langton. No. 1,261,822; Apr. 9; v. 249; p. 268.
Sieve. C. C. Wickwire. No. 1,257,434; Feb. 26; v. 247; p. 788.
Sieve, Adjustable wind-grading. A. Peterson. No. 1,256,366; Feb. 12; v. 247; p. 407.
Sieve, Wild-oat. P. Salonen. No. 1,288,213; Dec. 17; v. 257; p. 568.
Sifter. M. Lieberman. No. 1,260,409; Mar. 26; v. 248; p. 812.
Sifter. J. E. Trice. No. 1,260,098; Mar. 19; v. 248; p. 690.
Sifter and receptacle, Combined ash. W. R. Reed. No. 1,271,223; July 2; v. 252; p. 134.
Sifter, Ash-. H. Burnstone. No. 1,268,092; June 4; v. 251; p. 7.
Sifter, Ash-. P. Kempler. No. 1,270,166; June 18; v. 251; p. 632.
Sifter, Ash-. R. Kisza. No. 1,283,528; Nov. 5; v. 256; p. 24.
Sifter, Ash-. K. Liwacz. No. 1,275,575; Aug. 13; v. 253; p. 370.
Sifter, Ash-. W. McCormick. 1,260,222; Mar. 19; v. 248; p. 723.
Sifter, Ash-. A. Singelyn. No. 1,260,823; Mar. 26; v. 248; p. 933.
Sifter, Ash-. A. F. Staples. No. 1,279,605; Sept. 24; v. 254; p. 694.
Sifter-container. L. Gerhardt. No. 1,278,455; Sept. 10; v. 254; p. 328.
Sifter, Flour-. F. Coss. No. 1,260,515; Mar. 26; v. 248; p. 844.
Sifter, Flour-. F. Y. Jensen. No. 1,279,874; Sept. 24; v. 254; p. 773.
Sifter for furnaces and the like, Ash-. H. I. Weinberg. No. 1,276,461; Aug. 20; v. 253; p. 649.
Sifting apparatus, Ashes-. F. D. Wulff. No. 1,254,873; Jan. 29; v. 246; p. 1109.
Sifting-machine. W. F. Matthes. No. 1,270,185; June 18; v. 251; p. 637.
Sifting-machine. L. E. Simpson. No. 1,265,267; May 7; v. 250; p. 109.
Sifting-shovel. B. H. Smith. No. 1,257,415; Feb. 26; v. 247; p. 783.
Sifting shovel, Ash-. C. F. Wiley. No. 1,277,279; Aug. 27; v. 253; p. 904.
Sighting device. S. Mlotkowski. No. 1,283,540; Nov. 5; v. 256; p. 27.
Sights, Apparatus for actuating. T. J. Feeney. No. 1,264,169; Apr. 30; v. 249; p. 1001.
Sign. J. J. Barker. No. 1,266,194; May 14; v. 250; p. 396.
Sign. L. Blades. No. 1,289,371; Dec. 31; v. 257; p. 901.
Sign. H. Dowson. No. 1,260,882; Mar. 26; v. 248; p. 948.
Sign. D. F. Duck. No. 1,256,533; Feb. 19; v. 247; p. 492.
Sign. E. F. Ehrenberg. No. 1,284,624; Nov. 12; v. 256; p. 336.
Sign. W. I. Freedman. No. 1,261,801; Apr. 9; v. 249; p. 263.
Sign. T. J. La Rose and A. H. Ginsberg. No. 1,284,909; Nov. 12; v. 256; p. 409.
Sign. F. O. Ladwig. No. 1,262,360; Apr. 9; v. 249; p. 416.
Sign. A. B. Leech. No. 1,271,044; July 2; v. 252; p. 83.
Sign. J. D. Mumford. No. 1,254,837; Jan. 29; v. 246; p. 1098.
Sign. H. A. Russell. No. 1,258,146; Mar. 5; v. 248; p. 57.
Sign. L. F. Scott, Jr. No. 1,270,883; July 2; v. 252; p. 37.
Sign. H. M. Sorenson and J. A. Wesley. No. 1,258,957; Mar. 12; v. 248; p. 331.
Sign, Advertising-. R. M. Craig. No. 1,276,494; Aug. 20; v. 253; p. 658.
Sign, Advertising-. H. L. Trube and W. S. Ford. No. 1,258,830; Mar. 12; v. 248; p. 295.
Sign-board. E. Molloy. No. 1,267,340; May 21; v. 250; p. 741.
Sign-board. M. A. Tubbs. No. 1,260,099; Mar. 19; v. 248; p. 691.
Sign-board, Electric. C. A. Chase and N. B. Parsons. No. 1,258,872; Mar. 12; v. 248; p. 307.
Sign-boards, Head-plate for. H. Cusaek. No. 1,256,523; Feb. 19; v. 247; p. 489.
Sign, Changeable. C. C. Baker and E. A. Chandler. No. 1,251,733; Jan. 1; v. 246; p. 87.
Sign characters, Forming dies for. M. Creighton and A. W. Dixon. No. 1,253,009; Jan. 8; v. 246; p. 489.
Sign, Danger-. H. L. Wood. No. 1,258,730; Mar. 12; v. 248; p. 265.
Sign, Day and night. A. E. Maiden, C. Schindler, and W. D. Newhouse. No. 1,276,091; Aug. 20; v. 253; p. 545.
Sign, Display-. H. Becker. No. 1,278,094; Sept. 10; v. 254; p. 233.
Sign-display apparatus. H. N. Miller. No. 1,254,924; Jan. 29; v. 246; p. 1123.
Sign, Electric. J. M. Brooks. No. 1,251,471; Jan. 1; v. 246; p. 6.
Sign, Electric. A. C. Meyer. No. 1,271,600; July 9; v. 252; p. 270.
Sign, Electric. M. Norden. No. 1,274,580; Aug. 6; v. 253; p. 69.
Sign, Electric. J. J. Steinke. No. 1,267,708; May 28; v. 250; p. 872.
Sign for vehicles, Advertising-. A. Booth. No. 1,258,645; Mar. 12; v. 248; p. 242.
Sign for water-tanks, &c., Revolving illuminated. F. W. Meyer. No. 1,268,375; June 4; v. 251; p. 87.
Sign hanger, Advertising-. R. E. Devney. No. 1,272,394; July 16; v. 252; p. 521.
Sign hanger, Advertising-. R. E. Devney. No. 1,276,735; Aug. 27; v. 253; p. 762.
Sign, Illuminated. C. M. Davis and E. Brumberg. No. 1,252,248; Jan. 1; v. 246; p. 233.
Sign, Illuminated. K. J. Dennison. No. 1,275,537; Aug. 13; v. 253; p. 359.
Sign, Illuminated. J. Hotchner. No. 1,259,237; Mar. 12; v. 248; p. 410.
Sign, Illuminated. C. A. McNeal. No. 1,267,571; May 28; v. 250; p. 833.
Sign, Illuminated. W. Reed-Lethbridge. No. 1,274,907; Aug. 6; v. 253; p. 161.
Sign, Illuminated. J. G. Williams. No. 1,279,197; Sept. 17; v. 254; p. 558.
Sign, Illuminated. E. I. Wilson. No. 1,272,593; July 16; v. 252; p. 576.
Sign, Illuminating sidewalk-. J. Almquist and F. Burton. No. 1,272,177; July 9; v. 252; p. 433.
Sign-making apparatus. R. Hardesty. No. 1,251,516; Jan. 1; v. 246; p. 19.
Sign-plate and making same. E. J. Kirker and T. W. Olges. No. 1,288,920; Dec. 24; v. 257; p. 765.
Sign-post. G. P. Butler. No. 1,275,125; Aug. 6; v. 253; p. 221.
Sign-rack for letters and numerals. F. Thunell. No. 1,271,804; July 9; v. 252; p. 326.
Sign reflector, Electric-. J. C. Nies. No. 1,288,653; Dec. 24; v. 257; p. 702.
Sign, Self-luminous. H. Meyer. No. 1,258,590; Mar. 5; v. 248; p. 187.
Sign, Street-. J. A. Black. No. 1,287,196; Dec. 10; v. 257; p. 285.
Sign-supporting structure. E. W. Gruber. No. 1,252,429; Jan. 8; v. 246; p. 319.

Sign, Traffic-. H. C. Strout. No. 1,254,862; Jan. 29; v. 246; p. 1106.
Sign unit, Interchangeable mechanical-. H. S. Heller. No. 1,257,348; Feb. 26; v. 247; p. 765.
Signal: *See*—
Air-brake alarm-signal.
Alarm-signal.
Auto-signal.
Auto-driver's signal.
Automatic signal.
Automatic semaphore-signal.
Automobile-signal.
Automobile direction-signal.
Automobile direction-indicating signal.
Automobile rear signal.
Automobile safety-signal.
Automobile traction-signal.
Automobile traffic-signal.
Automobile turning-signal.
Automobile visual signal.
Auxiliary signal.
Camera film-signal.
Camera-shutter signal.
Car-stop signal.
Crossing-signal.
Direction-signal.
Distress-signal.
Driving-signal.
Electric signal.
Elevator-signal.
Engine-room signal.
Foot-ball signal.
Lamp-signal.
Level indicator and signal.
Light-signal.
Mail-box signal.
Railway-signal.
Railway automatic signal.
Railway-crossing signal.
Railway safety-signal.
Rain-signal.
Road-signal.
Safety-signal.
Ship-signal.
Street-signal.
Street-intersection signal.
Telemetric signal.
Theft-preventing signal.
Tire-signal.
Traffic-signal.
Traffic-guide signal.
Train-signal.
Vehicle-signal.
Vehicle direction-signal.
Vehicle rear-end signal.
Vehicle safety-signal.
Vehicle traffic-signal.
Wireless signal.
Signal. J. C. Chester. No. 1,256,773; Feb. 19; v. 247; p. 562.
Signal. H. C. Dolan. No. 1,268,695; June 4; v. 251; p. 177.
Signal. M. A. Gysel. No. 1,273,606; July 23; v. 252; p. 880.
Signal. C. O. Harrington. No. 1,278,338; Sept. 10; v. 254; p. 299.
Signal. B. Harris. No. 1,280,023; Sept. 24; v. 254; p. 814.
Signal. F. G. Henry. No. 1,274,420; Aug. 6; v. 253; p. 22.
Signal. L. R. Hibbert. No. 1,281,957; Oct. 15; v. 255; p. 561.
Signal. J. L. McKinney. No. 1,271,740; July 9; v. 252; p. 310.
Signal. C. W. Monahan. No. 1,252,288; Jan. 1; v. 246; p. 245.
Signal. J. E. Monighan. No. 1,267,248; May 21; v. 250; p. 718.
Signal. A. Parrella. No. 1,287,412; Dec. 10; v. 257; p. 338.
Signal. O. L. Scalbom. No. 1,268,162; June 4; v. 251; p. 26.
Signal. J. Shanley. No. 1,274,340; July 30; v. 252; p. 1119.
Signal. W. Sparks. No. 1,274,051; Aug. 6; v. 253; p. 173.
Signal. F. T. Vanatta. No. 1,255,959; Feb. 12; v. 247; p. 285.
Signal. A. M. Ward. No. 1,283,002; Oct. 29; v. 255; p. 917.
Signal. L. F. Wesche. No. 1,254,752; Jan. 29; v. 246; p. 1071.
Signal. O. Westover. No. 1,276,464; Aug. 20; v. 253; p. 650.
Signal. A. E. Wittig. No. 1,257,661; Feb. 26; v. 247; p. 857.
Signal-alarm for switches. G. Bicsi. No. 1,254,198; Jan. 22; v. 246; p. 882.
Signal and number-holder, Combined. A. McCleneghan. No. 1,283,835; Nov. 5; v. 256; p. 105.
Signal and switch rod carrier support. J. M. Fitz Gerald. No. 1,288,399; Dec. 17; v. 257; p. 610.
Signal apparatus. F. E. Albrecht. No. 1,284,961; Nov. 19; v. 256; p. 460.
Signal apparatus. W. E. Harrison. No. 1,267,407; May 28; v. 250; p. 788.
Signal apparatus. E. H. Pryce. No. 1,274,779; Aug. 6; v. 253; p. 125.
Signal apparatus. E. H. Schraga. No. 1,277,138; Aug. 27; v. 253; p. 868.
Signal apparatus. E. J. Schroder. No. 1,260,817; Mar. 26; v. 248; p. 931.
Signal apparatus. J. E. Sullivan. No. 1,285,459; Nov. 19; v. 256; p. 587.
Signal apparatus. J. D. Watson. No. 1,282,662; Oct. 22; v. 255; p. 794.
Signal apparatus for marine order-transmitting mechanish, Electric. W. S. Rush. No. 1,259,296; Mar. 12; v. 248; p. 426.
Signal appliance. F. Di Piero. No. 1,253,476; Jan. 15; v. 246; p. 656.
Signal-arm light. C. O. Cowgill and C. B. Kimble. No. 1,256,521; Feb. 19; v. 247; p. 489.
Signal-bell. B. W. Adams. No. 1,284,957; Nov. 19; v. 256; p. 459.
Signal-box. J. F. Mehren. No. 1,264,671; Apr. 30; v. 249; p. 1142.
Signal-box having local alarms. F. W. Colé. No. 1,266,920; May 21; v. 250; p. 626.
Signal-box with local-alarm mechanism. F. W. Colé. No. 1,265,749; May 14; v. 250; p. 270.
Signal device. R. Callaghan. No. 1,265,425; May 7; v. 250; p. 152.
Signal device. F. P. D'Arcy. No. 1,285,064; Nov. 19; v. 256; p. 487.
Signal device. J. M. Fitz Gerald. No. 1,255,831; Feb. 5; v. 247; p. 207.
Signal device. C. D. French. No. 1,285,669; Nov. 26; v. 256; p. 679.
Signal device. J. B. Healey. No. 1,256,314; Feb. 12; v. 247; p. 391.
Signal device. L. S. Howard. No. 1,259,516; Mar. 19; v. 248; p. 522.
Signal device. J. F. MacDonald. No. 1,264,413; Apr. 30; v. 249; p. 1070.
Signal device. H. C. Thiel. No. 1,252,059; Jan. 1; v. 246; p. 182.
Signal device, Electric. J. Roeder. No. 1,256,262; Feb. 12; v. 247; p. 376.
Signal-display. E. Cole. No. 1,274,007; July 30; v. 252; p. 1026.
Signal-lights of vehicles, Automatic device for controlling the. W. S. Menden. No. 1,252,825; Jan. 8; v. 246; p. 433.
Signal means. F. A. Tifft. No. 1,282,143; Oct. 22; v. 255; p. 653.
Signal mechanism, Visible-. A. R. Walters. No. 1,275,111; Aug. 6; v. 253; p. 217.
Signal or alarm apparatus. A. N. Pierman. No. 1,276,808; Aug. 27; v. 253; p. 780.
Signal repeater, Low-frequency-. H. W. Nichols. No. 1,257,381; Feb. 26; v. 247; p. 774.
Signal-stand. R. H. Fleagle. No. 1,278,623; Sept. 10; v. 254; p. 374.
Signal system. C. E. Beach. No. 1,274,367; Aug. 6; v. 253; p. 5.
Signal system. N. B. Cregier. No. 1,274,514; Aug. 6; v. 253; p. 50.
Signal system. L. W. Miller. No. 1,278,709; Sept. 10; v. 254; p. 399.
Signal system, Auxiliary. L. Degen. No. 1,267,987; May 28; v. 250; p. 951.
Signal system, Electric. F. W. Cole. No. 1,253,001; Jan. 8; v. 246; p. 486.
Signal system, Electric. J. D. Nelson. No. 1,254,152; Jan. 22; v. 246; p. 869.
Signal system, Electric. J. D. Nelson. No. 1,266,144; May 14; v. 250; p. 381.
Signal system for vehicles and the like. F. P. Anello and G. Pocoroba. No. 1,269,246; June 11; v. 251; p. 350.
Signal system, Sprinkler electric. J. D. Nelson. No. 1,266,143; May 14; v. 250; p. 381.
Signal-transmitting device. F. M. Marshall. No. 1,284,736; Nov. 12; v. 256; p. 365.
Signals and motor control for electric roads, System for. R. V. Collins. No. 1,261,772; Apr. 9; v. 249; p. 254.
Signals and the like, Apparatus for transmitting and displaying. A. R. Mitchell. No. 1,264,204; Apr. 30; v. 249; p. 1011.
Signals and the like, Device for actuating. J. Kiefer. No. 1,273,620; July 23; v. 252; p. 883.
Signals, Sound-regulator for audible. W. Kline. No. 1,260,549; Mar. 26; v. 248; p. 853.
Signaling apparatus. L. N. Frennett. No. 1,252,563; Jan. 8; v. 246; p. 359.
Signaling apparatus. F. Gardner. No. 1,280,705; Oct. 8; v. 255; p. 190.
Signaling apparatus. W. G. Hoffman. No. 1,262,498; Apr. 9; v. 249; p. 454.
Signaling apparatus. J. A. Keesey. No. 1,262,207; Apr. 9; v. 249; p. 373.
Signaling apparatus. J. A. Keesey and A. Shedlock. No. 1,263,678; Apr. 23; v. 249; p. 834.
Signaling apparatus. J. A. Keesey and A. Shedlock. No. 1,280,488; Oct. 1; v. 255; p. 103.
Signaling apparatus. J. T. Lister. No. 1,258,791; Mar. 12; v. 248; p. 283.
Signaling apparatus. J. L. Mayberry. No. 1,279,393; Sept. 17; v. 254; p. 612.
Signaling apparatus. E. W. Pell. No. 1,252,163; Jan. 1; v. 246; p. 211.
Signaling apparatus. R. G. Young. No. 1,273,979; July 30, v. 252; p. 1020.
Signaling apparatus, Electric. J. J. Ghegan. No. 1,275,902; Aug. 13; v. 253; p. 461.
Signaling apparatus, Electric. J. J. Ghegan. No. 1,275,903; Aug. 13; v. 253; p. 462.
Signaling apparatus, Electric. F. E. Summers. No. 1,265,698; May 7; v. 250; p. 223.
Signaling apparatus, Electrical. H. E. Reeve. No. 1,258,144; Mar. 5; v. 248; p. 57.
Signaling apparatus for road-vehicles. H. Fryman. No. 1,281,551; Oct. 15; v. 255; p. 453.
Signaling apparatus for vehicles. W. D. Fairfax. No. 1,272,408; July 16; v. 252; p. 524.
Signaling apparatus, Wireless. R. A. Weagant. No. 1,252,520; Jan. 8; v. 246; p. 346.
Signaling-circuit. G. A. Campbell. No. 1,254,116; Jan. 22; v. 246; p. 858.

Signaling-circuit. G. A. Campbell. No. 1,254,117; Jan. 22; v. 246; p. 858.
Signaling-circuit. G. A. Campbell. No. 1,254,118; Jan. 22; v. 246; p. 859.
Signaling-circuit. G. A. Campbell. No. 1,254,471; Jan. 22; v. 246; p. 959.
Signaling-circuit. G. A. Campbell. No. 1,254,472; Jan. 22; v. 246; p. 959.
Signaling-circuit. G. A. Campbell. No. 1,254,473; Jan. 22; v. 246; p. 960.
Signaling-circuit. G. A. Campbell. No. 1,254,474; Jan. 22; v. 246; p. 960.
Signaling-circuit. G. A. Campbell. No. 1,254,475; Jan. 22; v. 246; p. 961.
Signaling-circuit. G. A. Campbell. No. 1,254,476; Jan. 22; v. 246; p. 961.
Signaling-circuit. W. H. Martin. No. 1,254,146; Jan. 22; v. 246; p. 867.
Signaling device. B. A. Baer. No. 1,256,098; Feb. 12; v. 247; p. 326.
Signaling device. J. Bond. No. 1,287,847; Dec. 17; v. 257; p. 477.
Signaling device. W. W. Dean. No. 1,266,421; May 14; v. 250; p. 455.
Signaling device. E. F. Foster. No. 1,285,662; Nov. 26; v. 256; p. 677.
Signaling device. J. L. Gleason. No. 1,251,998; Jan. 1; v. 246; p. 164.
Signaling device. G. R. Guild. No. 1,276,648; Aug. 20; v. 253; p. 700.
Signaling device. R. J. Hewett. No. 1,287,993; Dec. 17; v. 257; p. 513.
Signaling device. C. S. Jacob. No. 1,282,585; Oct. 22; v. 255; p. 772.
Signaling device. W. Kaisling. No. 1,289,804; Dec. 31; v. 257; p. 1007.
Signaling device. A. J. Kloneck. No. 1,263,073; Apr. 16; v. 249; p. 647.
Signaling device. L. W. Martin. No. 1,267,436; May 28; v. 250; p. 796.
Signaling device. R. E. Morrison. No. 1,278,718; Sept. 10; v. 254; p. 401.
Signaling device. P. L. Page. No. 1,278,733; Sept. 10; v. 254; p. 405.
Signaling device. V. Pascucci. No. 1,259,278; Mar. 12; v. 248; p. 421.
Signaling device. E. G. Petrie. No. 1,278,738; Sept. 10; v. 254; p. 405.
Signaling device. C. M. Proctor. No. 1,285,374; Nov. 19; v. 256; p. 565.
Signaling device. G. P. Wahle. No. 1,276,459; Aug. 20; v. 253; p. 649.
Signaling device. J. A. Wright. No. 1,270,355; June 25; v. 251; p. 709.
Signaling device, Automatic. T. D. Joeck. No. 1,256,134; Feb. 12; v. 247; p. 337.
Signaling device, Direction-. J. Braksator. No. 1,287,854; Dec. 17; v. 257; p. 478.
Signaling device for vehicles. C. E. Archer and E. C. Humphreys. No. 1,259,822; Mar. 19; v. 248; p. 609.
Signaling device, Watchman's. A. S. Gray. No. 1,288,872; Dec. 24; v. 257; p. 753.
Signaling, Electric. G. O. Squier, L. W. Austin, and L. Cohen. No. 1,281,684; Oct. 15; v. 255; p. 487.
Signaling means. P. H. Workman. No. 1,269,035; June 11; v. 251; p. 291.
Signaling system. R. D. Conway. No. 1,265,751; May 14; v. 250; p. 271.
Signaling system. L. H. Darrow. No. 1,283,687; Nov. 5; v. 256; p. 65.
Signaling system. W. A. Fricke. No. 1,282,803; Oct. 29; v. 255; p. 860.
Signaling system. O. B. Frink. No. 1,258,616; Mar. 5; v. 248; p. 196.
Signaling system. J. S. Garvin. No. 1,289,437; Dec. 31; v. 257; p. 919.
Signaling system. J. L. Hall. No. 1,258,000; Mar. 5; v. 248; p. 15.
Signaling system. G. W. Kuhn. No. 1,279,882; Sept. 24; v. 254; p. 775.
Signaling system. B. H. Peter. No. 1,286,401; Dec. 3; v. 257; p. 53.
Signaling system. L. G. Riley. No. 1,286,110; Nov. 26; v. 256; p. 787.
Signaling system. F. M. Slough. No. 1,267,469; May 28; v. 250; p. 804.
Signaling system, Electrical. J. L. McQuarrie. No. 1,251,797; Jan. 1; v. 246; p. 107.
Signaling system for motor-vehicles, Electric. J. P. Ogden. No. 1,284,134; Nov. 5; v. 256; p. 185.
Signaling system, Wireless. W. C. White. No. 1,273,789; July 23; v. 252; p. 927.
Signaling system, Wireless duplex. L. Espenschied. No. 1,256,889; Feb. 19; v. 247; p. 597.
Signaling, Wireless time-. E. Belin. No. 1,260,303; Mar. 26; v. 248; p. 781.
Signature-gatherer. E. R. Kast. No. 1,287,334; Dec. 10; v. 257; p. 318.
Signature-handling machine. H. M. Barber. No. 1,264,753; Apr. 30; v. 249; p. 1162.
Signature machine, Multiple-. W. F. Williams. No. 1,268,523; June 4; v. 251; p. 129.

Silage-cover. W. H. Tindall and J. E. Van Dam. No. 1,254,744; Jan. 29; v. 246; p. 1069.
Silage-packer. A. J. Thompson. No. 1,261,651; Apr. 2; v. 249; p. 187.
Silencer. R. E. Bletcher. No. 1,251,956; Jan. 1; v. 246; p. 152.
Silencer. R. J. MacKenzie and L. L. Haas. No. 1,278,965; Sept. 17; v. 254; p. 497.
Silencer. C. J. Schrack. No. 1,287,458; Dec. 10; v. 257; p. 348.
Silicates, Making exchange. G. Rudorf. No. 1,263,706; Apr. 23; v. 249; p. 841.
Silicates of magnesium, Decomposing. L. L. Jackson. No. 1,254,230; Jan. 22; v. 246; p. 890.
Silicates, Treating. H. N. Morse. No. 1,286,718; Dec. 3; v. 257; p. 128.
Silicic acid or hydrated silica, Making. W. C. Arsem and J. G. E. Wright. No. 1,270,093; June 18; v. 251; p. 612.
Silicious minerals for the production of chemical compounds, Treating. J. H. Stover. No. 1,283,951; Nov. 5; v. 256; p. 135.
Silicon-carbid articles, Producing. O. Hutchins. No. 1,266,478; May 14; v. 250; p. 471.
Silicon tetrachlorid, Production of. O. Hutchins. No. 1,271,713; July 9; v. 252; p. 302.
Silk and other textile goods in hanks by means of liquids, Apparatus for treating. A. W. Schmid. No. 1,277,136; Aug. 27; v. 253; p. 868.
Silk, Balance for determining the titer of. A. Brunner. No. 1,271,660; July 9; v. 252; p. 288.
Sill, Draft-. F. S. Barks. No. 1,272,355; July 16; v. 252; p. 510.
Silk, silk waste, and the like, Degumming. K. Tanaka. No. 1,268,513; June 4; v. 251; p. 126.
Silk-throwing machines, Cleaner attachment for. A. Baker. No. 1,275,361; Aug. 13; v. 253; p. 312.
Silo. M. O. Beckner. No. 1,280,372; Oct. 1; v. 255; p 72.
Silo. C. L. Flynn. No. 1,254,131; Jan. 22; v. 246; p. 863.
Silo. F. J. Friedlein. No. 1,275,148; Aug. 6; v. 253; p. 227.
Silo. J. S. Haines. No. 1,267,863; May 28; v. 250; p. 917.
Silo. H. C. Hames. No. 1,286,300; Dec. 3; v. 257; p. 29.
Silo. F. O. Hellstrom. No. 1,289,457; Dec. 31; v. 257; p. 923.
Silo. J. H. Holmgreen. No. 1,275,558; Aug. 13; v. 253; p. 365.
Silo. E. J. Hornecker. No. 1,277,419; Sept. 3; v. 254; p. 25.
Silo. J. F. Peterson. No. 1,281,201; Oct. 8; v. 255; p. 326.
Silo. J. H. Schlafly. No. 1,265,966; May 14; v. 250; p. 332.
Silo. E. F. Schlichter. No. 1,264,689; Apr. 30; v. 249; p. 1146.
Silo. C. M. Stafford. No. 1,261,454; Apr. 2; v. 249; p. 131.
Silo. L. C. Young. No. 1,256,089; Feb. 12; v. 247; p. 323.
Silo and other cement walls, Metal form for constructing. J. W. Goodwin. No. 1,269,807; June 18; v. 251; p. 537.
Silo attachment. L. E. Ohmart. No. 1,276,801; Aug. 27; v. 253; p. 778.
Silo-blocks, Form for building. R. M. Ferguson. No. 1,273,168; July 23; v. 252; p. 763.
Silo-door. H. H. Pugh. No. 1,264,857; Apr. 30; v. 249; p. 1191.
Silo-door. C. M. Stafford. No. 1,261,864; Apr. 9; v. 249; p. 279.
Silo-door mounting. R. Loffland. No. 1,282,605; Oct. 22; v. 255; p. 777.
Silo-filler distributing-pipe. W. Fitzpatrick. No. 1,284,081; Nov. 5; v. 256; p. 170.
Silo-filling fixture. A. G. and A. Ronning. No. 1,251,696; Jan. 1; v. 246; p. 76.
Silo-packing. H. Walters and W. P. Harper. No. 1,257,161; Feb. 19; v. 247; p. 675.
Silo-scaffold. O. F. Johnson. No. 1,284,699; Nov. 12; v. 256; p. 355.
Silo-staves, Self-draining joint for. J. B. Strunk. No. 1,285,458; Nov. 19; v. 256; p. 587.
Silos, Anchoring apparatus for. K. Kleven. No. 1,275,268; Aug. 13; v. 253; p. 286.
Silos and the like, Apparatus for molding. T. B. Atkins. No. 1,272,886; July 16; v. 252; p. 661.
Silos, Molding concrete. B. Biggs. No. 1,286,211; Dec. 3; v. 257; p. 7.
Silos, Packing means for. C. S. Sayre. No. 1,266,861; May 21; v. 250; p. 609.
Silt-accumulator. H. F. Kellner. No. 1,281,021; Oct. 8; v. 255; p. 275.
Sinew-cutting machine. T. J. Carrigan, J. B. Eastman, and M. E. Magill. No. 1,255,386; Feb. 5; v. 247; p. 79.
Single-phase motor. J. Becker. No. 1,269,152; June 11; v. 251; p. 323.
Sink-board attachment. J. A. Soderstrom. No. 1,264,702; Apr. 30; v. 249; p. 1150.

Sink-bracket, Adjustable. W. Barnett. No. 1,253,924; Jan. 15; v. 246; p. 782.
Sink-trap. O. J. St. Pierre. No. 1,284,944; Nov. 12; v. 256; p. 418.
Sinker and web holder, Interlocking. F. Wilcomb. No. 1,255,258; Feb. 5; v. 247; p. 41.
Sinker mechanism. R. Fisher. No. 1,281,933; Oct. 15; v. 255; p. 555.
Siphon. G. R. Nicholson. No. 1,274,578; Aug. 6; v. 253; p. 68.
Siphon flume-gate. P. L. Hedrick. No. 1,284,671; Nov. 12; v. 256; p. 348.
Siphon, Tank-. F. G. Ruf and W. Klesius. No. 1,256,928; Feb. 19; v. 247; p. 607.
Siphonic system. D. V. Burrell. No. 1,255,130; Feb. 5; v. 247; p. 5.
Siren. W. A. Box. No. 1,278,582; Sept. 10; v. 254; p. 363.
Sisal and other fibrous materials, Apparatus for decorticating, washing, and drying. R. A. Humphrys. No. 1,258,571; Mar. 5; v. 248; p. 182.
Size and making same. A. W. H. Lenders. No. 1,253,397; Jan. 15; v. 246; p. 634.
Size-stick. V. A. Hobart. No. 1,283,409; Oct. 29; v. 255; p. 1024.
Sizer-adjuster. D. Parker. No. 1,257,017; Feb. 19; v. 247; p. 635.
Sizing composition, Absorbent-material-. E. Fues. No. 1,276,206; Aug. 20; v. 253; p. 578.
Sizing-machine. A. H. Whitehead. No. 1,275,513; Aug. 13; v. 253; p. 353.
Skate. F. W. Becker. No. 1,275,519; Aug. 13; v. 253; p. 354.
Skate. C. T. Madsen. No. 1,260,692; Mar. 26; v. 248; p. 897.
Skate-clamp. J. Lowe. No. 1,280,505; Oct. 1; v. 255; p. 109.
Skate, Combined roller and ice. C. R. Barr. No. 1,266,386; May 14; v. 250; p. 446.
Skate-fastener. W. A. Ericksen. No. 1,284,276; Nov. 12; v. 256; p. 249.
Skate-fastening device. H. E. Sawyer. No. 1,285,803; Nov. 26; v. 256; p. 714.
Skate, Ice-. F. E. Brown. No. 1,265,994; May 14; v. 250; p. 339.
Skate, Ice-. E. M. Miers. No. 1,263,091; Apr. 16; v. 249; p. 652.
Skate, Ice-. E. M. Miers. No. 1,263,092; Apr. 16; v. 249; p. 652.
Skate, Ice-. E. M. Miers. No. 1,263,093; Apr. 16; v. 249; p. 653.
Skate-keys, Making. W. H. Needham. No. 1,261,153; Apr. 2; v. 249; p. 46.
Skate, Railway-. J. Navara. No. 1,260,431; Mar. 26; v. 248; p. 818.
Skate, Roller-. C. V. Gustin. No. 1,271,891; July 9; v. 252; p. 350.
Skate, Roller-. E. E. Hardy. No. 1,276,212; Aug. 20; v. 253; p. 580.
Skate, Roller-. H. Paulsen. No. 1,268,385; June 4; v. 251; p. 90.
Skate-roller. A. R. Lucas. No. 1,261,568; Apr. 2; v. 249; p. 164.
Skate-roller. D. F. Printz. No. 1,274,078; July 30; v. 252; p. 1047.
Skate safety device. G. M. Warner. No. 1,253,314; Jan. 15; v. 246; p. 606.
Skate, Water-. M. Nieć. No. 1,275,727; Aug. 13; v. 253; p. 413.
Skates, Heel-plate for ice-. E. Hunold. No. 1,256,564; Feb. 19; v. 247; p. 501.
Skaters, Motor-wheel for. T. Avoscan. No. 1,259,470; Mar. 19; v. 248; p. 509.
Skatemobile. W. J. Baker. No. 1,279,966; Sept. 24; v. 254; p. 798.
Skee-stirrup. E. P. Ashley. No. 1,260,124; Mar. 19; v. 248; p. 696.
Skein-holder. H. C. Dunbar. No. 1,287,655; Dec. 17; v. 257; p. 429.
Skein-holding device. M. Pattison. No. 1,252,483; Jan. 8; v. 246; p. 336.
Skeins while being wound into balls, Apparatus for holding. M. Blease and F. White. No. 1,282,529; Oct. 22; v. 255; p. 757.
Skelp cupping and clipping apparatus. H. D. Cook. No. 1,267,379; May 28; v. 250; p. 780.
Skewback for furnaces, Water-cooled. L. L. Knox. No. 1,267,085; May 21; v. 250; p. 672.
Skewback, Water-cooled. E. W. Clarke. No. 1,267,057; May 21; v. 250; p. 665.
Skid. W. N. Goodwin. No. 1,251,881; Jan. 1; v. 246; p. 132.
Skimming device, Cream-. L. B. Warren. No. 1,269,348; June 11; v. 251; p. 378.
Skin-stretcher. T. F. Barnes. No. 1,271,418; July 2; v. 252; p. 185.
Skins, Device for stretching coon-. H. C. Prange and F. D. Smith. No. 1,268,610; June 4; v. 251; p. 154.
Skinning-machine. S. Steinheimer. No. 1,255,657; Feb. 5; v. 247; p. 157.
Skips or buckets, Means for manipulating. T. G. Wrightson and J. M. Ringquist. No. 1,264,739; Apr. 30; v. 249; p. 1159.
Skirt. J. Meyer. No. 1,258,591; Mar. 5; v. 248; p. 187.
Skirt, Adjustable. H. Aronson. No. 1,265,870; May 14; v. 250; p. 304.
Skirt, Diaper-. E. W. Colman. No. 1,260,873; Mar. 26; v. 248; p. 946.
Skirt-gage. M. J. Johnston. No. 1,255,426; Feb. 5; v. 247; p. 91.
Skirt-gage. K. Knorr. No. 1,266,602; May 21; v. 250; p. 536.
Skirt-gage. C. L. Welscher. No. 1,253,916; Jan. 15; v. 246; p. 780.
Skirt-gage for dress-forms. B. S. Nelson. No. 1,280,816; Oct. 8; v. 255; p. 221.
Skirt-hanger. M. H. Stoddard. No. 1,262,280; Apr. 9; v. 249; p. 393.
Skirt-marker. G. C. Beltz. No. 1,257,573; Feb. 26; v. 247; p. 831.
Skirt-marker. H. M. Dixon. No. 1,275,539; Aug. 13; v. 253; p. 360.
Skirt-marker. E. A. Hurd. No. 1,252,805; Jan. 8; v. 246; p. 427.
Skirt-marker. L. D. Smith. No. 1,270,251; June 18; v. 251; p. 654.
Skirt-marker. F. Stockdale. No. 1,254,945; Jan. 29; v. 246; p. 1129.
Skirt-marker. E. A. Wade. No. 1,271,394; July 2; v. 252; p. 179.
Skirt-measure. C. H. Kessler. No. 1,281,396; Oct. 15; v. 255; p. 413.
Skirt-pin. F. E. Rule. No. 1,278,755; Sept. 10; v. 254; p. 410.
Skiving and folding machine. D. N. Prime. No. 1,281,654; Oct. 15; v. 255; p. 479.
Skiving-machine. F. W. Christy. No. 1,254,392; Jan. 22; v. 246; p. 937.
Skiving-machine. E. E. Lane. No. 1,260,551; Mar. 26; v. 248; p. 854.
Skiving-machine. E. E. Lane. No. 1,260,552; Mar. 26; v. 248; p. 854.
Skiving-machine. E. E. Lane. No. 1,260,553; Mar. 26; v. 248; p. 855.
Skiving-machine. A. Latham. No. 1,266,027; May 14; v. 250; p. 348.
Skiving-machine. F. W. Merrick. No. 1,268,751; June 4; v. 251; p. 192.
Sky-rocket and aeroplane, Combined. W. S. Miners. No. 1,280,803; Oct. 8; v. 255; p. 218.
Skylight. A. E. Rendle. No. 1,272,100; July 9; v. 252; p. 412.
Skylight and glass-wall structure. P. L. Moses and H. C. Greene. No. 1,266,613; May 21; v. 250; p. 540.
Skylight-bar. S. A. Spencer. No. 1,283,583; Nov. 5; v. 256; p. 37.
Skylight. Multiple-unit puttyless. A. W. Kurz. No. 1,259,528; Mar. 19; v. 248; p. 526.
Skylights, &c., Adjusting means for. C. O. Whitnell. No. 1,260,110; Mar. 19; v. 248; p. 693.
Skylights, Condensation-gutter for. F. L. Keppler. No. 1,289,188; Dec. 31; v. 257; p. 855.
Slab-barker. H. Guettler. No. 1,289,447; Dec. 31; v. 257; p. 921.
Slab-charger. D. Kendall. No. 1,259,023; Mar. 12; v. 248; p. 352.
Slack-adjuster. F. D. Everett. No. 1,252,792; Jan. 8; v. 246; p. 424.
Slack-adjuster. F. D. Everett. No. 1,274,865; Aug. 6; v. 253; p. 150.
Slack, Device for taking up and paying out. C. T. Henderson. No. 1,265,328; May 7; v. 250; p. 124.
Slag, System of handling granular. W. S. Dunham. No. 1,282,781; Oct. 29; v. 255; p. 853.
Slate-cutting implement. L. A. Miller. No. 1,275,459; Aug. 13; v. 253; p. 338.
Sled. C. S. Beebe. No. 1,253,338; Jan. 15; v. 246; p. 614.
Sled. W. A. Brandes. No. 1,286,217; Dec. 3; v. 257; p. 8.
Sled. J. M. Crowe. No. 1,264,490; Apr. 30; v. 249; p. 1091.
Sled. D. M. Currey. No. 1,288,843; Dec. 24; v. 257; p. 746.
Sled. E. H. Ewertz. No. 1,270,276; June 25; v. 251; p. 687.
Sled. C. L. Grumme. No. 1,280,988; Oct. 8; v. 255; p. 266.
Sled. J. Hagerty. No. 1,268,836; June 11; v. 251; p. 235.
Sled. S. K. Holth. No. 1,271,709; July 9; v. 252; p. 301.
Sled. H. A. Leach. No. 1,260,920; Mar. 26; v. 248; p. 958.
Sled. C. L. Lonsinger. No. 1,256,707; Feb. 19; v. 247; p. 542.
Sled and cart, Combination. R. Ross and L. Score. No. 1,284,460; Nov. 12; v. 256; p. 297.
Sled attachment for motor-vehicles. E. G. Liddy. No. 1,261,567; Apr. 2; v. 249; p. 164.
Sled, Bob-. A. Storud. No. 1,272,562; July 16; v. 252; p. 566.

Sled, Coasting-. C. T. Rogers. No. 1,253,425; Jan. 15; v. 246; p. 642.
Sled, Flexible-runner. W. E. Sherwood. No. 1,281,859; Oct. 15; v. 255; p. 536.
Sled, Folding hand-. C. B. Thoresen. No. 1,289,964; Dec. 31; v. 257; p. 1047.
Sled-guiding means. J. F. Johnsen. No. 1,276,927; Aug. 27; v. 253; p. 811.
Sled, Motor-. F. R. Burch. (Reissue.) No. 14,418; Jan. 8; v. 246; p. 545.
Sled, Motor-. M. A. Hughes. No. 1,251,530; Jan. 1; v. 246; p. 24.
Sled-runner. V. J., Sr., and V. J. Conces, Jr. No. 1,267,186; May 21; v. 250; p. 702.
Sled-runner attachment. T. P. Patchen. No. 1,252,161; Jan. 1; v. 246; p. 210.
Sled-runner for baby-carriages. W. P. Mallett. No. 1,264,110; Apr. 23; v. 249; p. 951.
Sled, Self-propelled. A. Engelson. No. 1,272,239; July 9; v. 252; p. 450.
Sled, Self-propelled. A. Warner. No. 1,254,456; Jan. 22; v. 246; p. 955.
Sleds, Shoe for donkey-. W. J. West. No. 1,273,296; July 23; v. 252; p. 796.
Sleds, Steering-gear for. W. M. Woods. No. 1,256,417; Feb. 12; v. 247; p. 423.
Sleeping and lounging accoutrement. A. N. Hunt and F. W. Anderson. No. 1,253,039; Jan. 8; v. 246; p. 498.
Sleeping-bag. L. Jacobs. No. 1,267,551; May 28; v. 250; p. 828.
Sleeping-bag. C. H. Stonebridge. No. 1,281,693; Oct. 15; v. 255; p. 489.
Sleeping-bag and mattress, Combined. B. H. Blocksom. No. 1,284,046; Nov. 5; v. 256; p. 159.
Sleeve. E. K. Wilson. No. 1,262,891; Apr. 16; v. 249; p. 594.
Sleeve-bolt. R. Williams. No. 1,267,030; May 21; v. 250; p. 657.
Sleeve-extractor. G. L. Carpenter. No. 1,265,745; May 14; v. 250; p. 269.
Sleeve, Garment-. H. C. D'Annunzio. No. 1,278,310; Sept. 10; v. 254; p. 291.
Sleeve-holder. M. J. Burke. No. 1,270,113; June 18; v. 251; p. 617.
Sleeve-protector. G. F. Hogan. No. 1,266,266; May 14; v. 250; p. 415.
Sleeve-protector. T. L. Hogan. No. 1,278,654; Sept. 10; v. 254; p. 383.
Sleeve-protector. T. L. Hogan. No. 1,287,691; Dec. 17; v. 257; p. 437.
Sleeve-protector. J. H. Louder. No. 1,266,506; May 14; v. 250; p. 479.
Sleeve-protector. B. J. Yaeger. No. 1,284,536; Nov. 12; v. 256; p. 315.
Sleeve, Sheet-metal. T. E. Murray. No. 1,267,250; May 21; v. 250; p. 718.
Sleeve, Tapered. R. E. Foote. No. 1,252,335; Jan. 1; v. 246; p. 257.
Sleigh. O. Crooks. No. 1,267,385; May 28; v. 250; p. 782.
Sleigh. J. G. Rieff. No. 1,280,845; Oct. 8; v. 255; p. 230.
Sleigh. H. Thorsen. No. 1,271,102; July 2; v. 252; p. 98.
Sleigh, Baby-carriage. F. Huykman. No. 1,288,007; Dec. 17; v. 257; p. 517.
Sleigh-knee. F. G. Hinegardner, F. B. Millard, and D. W. Bowman. No. 1,280,224; Oct. 1; v. 255; p. 31.
Sleigh, Motor-. G. Anderson. No. 1,256,761; Feb. 19; v. 247; p. 557.
Sleigh, Motor-. J. S. Chisholm. No. 1,254,479; Jan. 22; v. 246; p. 962.
Sleigh, Motor-. O. Fladeland. No. 1,266,442; May 14; v. 250; p. 461.
Sleigh, Motor-. J. E. McEvoy. No. 1,279,386; Sept. 17; v. 254; p. 611.
Sleigh-pole attachment. J. Muzzy. No. 1,269,633; June 18; v. 251; p. 487.
Sleigh-runner. E. Cardin. No. 1,288,829; Dec. 24; v. 257; p. 743.
Sleigh-runner. I. J. Nelson. No. 1,267,789; May 28; v. 250; p. 895.
Sleigh-runner, Detachable. J. F. Loughran. No. 1,272,341; July 9; v. 252; p. 479.
Sleigh, Self-propelled. H. W. Mishoe and L. W. Mansell. No. 1,276,246; Aug. 20; v. 253; p. 588.
Slice holder, Last-. J. Hopkinson. No. 1,251,525; Jan. 1; v. 246; p. 22.
Slicer. H. L. Woodward. No. 1,276,152; Aug. 20; v. 253; p. 562.
Slicer and corer, Fruit. A. H. Powell. No. 1,271,218; July 2; v. 252; p. 132.
Slicer and pitter, Fruit. G. W. Clemson. No. 1,261,704; Apr. 2; v. 249; p. 201.
Slicer, Bread and meat. J. Kohnz, Jr. No. 1,278,682; Sept. 10; v. 254; p. 391.
Slicer, Pineapple-. G. L. Fraser. No. 1,266,447; May 14; v. 250; p. 462.
Slicer, String-bean. C. A. Becker. No. 1,260,129; Mar. 19; v. 248; p. 697.
Slicer, Vegetable-. C. E. Beard. No. 1,259,477; Mar. 19; v. 248; p. 511.
Slicers, Knife-guard and grinding device for meat-. J. Hopkinson and F. Thomas. No. 1,263,414; Apr. 23; v. 249; p. 761.
Slicing and shredding machine, Vegetable. E. G. Ireland. No. 1,255,013; Jan. 29; v. 246; p. 1146.
Slicing and spreading machine, Fruit. W. M. Luther. No. 1,269,291; June 11; v. 251; p. 362.
Slicing and wrapping machine. J. Hren. No. 1,273,227; July 23; v. 252; p. 778.
Slicing-machine. A. Bond. No. 1,273,138; July 23; v. 252; p. 755.
Slicing-machine. W. H. Garlock and W. J. Stubbe. No. 1,266,450; May 14; v. 250; p. 463.
Slicing-machine. H. G. Miller. No. 1,270,039; June 18; v. 251; p. 598.
Slicing-machine. H. G. Miller. No. 1,270,041; June 18; v. 251; p. 598.
Slicing-machine. C. E. Tucker. No. 1,260,479; Mar. 26; v. 248; p. 832.
Slicing-machine. C. E. Tucker. No. 1,265,833; May 14; v. 250; p. 294.
Slicing-machine. W. A. Van Berkel. No. 1,267,607; May 28; v. 250; p. 844.
Slicing-machine. C. F. M. Van Berkel. No. 1,280,111; Sept. 24; v. 254; p. 838.
Slicing machine, Apple-. W. H. Ewell. No. 1,281,250; Oct. 8; v. 255; p. 340.
Slicing machine, Cheese-. J. S. Miller. No. 1,265,232; May 7; v. 250; p. 99.
Slicing-machine clamp. C. F. M. Van Berkel. No. 1,277,787; Sept. 3; v. 254; p. 127.
Slicing machine, Fruit-. T. Crawford. No. 1,259,213; Mar. 12; v. 248; p. 404.
Slicing-machine grip. C. F. M. Van Berkel. No. 1,272,580; July 16; v. 252; p. 572.
Slicing-machine grip. C. F. M. Van Berkel. No. 1,276,135; Aug. 20; v. 253; p. 557.
Slicing machine, Vegetable-. F. A. Kingsbury. No. 1,260,399; Mar. 26; v. 248; p. 809.
Slicing machine, Vegetable-. A. Schaefer. No. 1,265,527; May 7; v. 250; p. 179.
Slicing-machine work-holder. A. M. Demuth. No. 1,257,587; Feb. 26; v. 247; p. 836.
Slicing-machines, Back plate for. H. Stukart. No. 1,278,056; Sept. 3; v. 254; p. 197.
Slicing machines, Back plate for meat-. H. Stukart. No. 1,278,057; Sept. 3; v. 254; p. 198.
Slicing machines, Feeder for fruit-. G. W. Drew. No. 1,266,668; May 21; v. 250; p. 556.
Slicing-machines, Holder for. C. F. M. Van Berkel. No. 1,274,958; Aug. 6; v. 253; p. 175.
Slicing-machines, Power mechanism for. H. Stukart. No. 1,268,176; June 4; v. 251; p. 30.
Slicing machines, Securing apparatus for meat-. R. S. C. Fow and S. M. Templeton. No. 1,272,934; July 16; v. 252; p. 674.
Slicing-machines, Slice-collector for. C. F. M. van Berkel. No. 1,286,453; Dec. 3; v. 257; p. 67.
Slidable hanger. G. W. Mears. No. 1,259,261; Mar. 12; v. 248; p. 416.
Slide. T. Wallace. No. 1,274,824; Aug. 6; v. 253; p. 137.
Slide-box. G. M. Williams. No. 1,256,965; Feb. 19; v. 247; p. 619.
Slide-former machine. F. D. Stowe. No. 1,271,797; July 9; v. 252; p. 324.
Sliding bolt. A. D. Newman. No. 1,287,080; Dec. 10; v. 257; p. 255.
Sliding gate. T. J. Browne. No. 1,277,844; Sept. 3; v. 254; p. 142.
Slime separator and classifier. J. J. and D. O. Gentes. No. 1,251,500; Jan. 1; v. 246; p. 14.
Sling, Arm-. J. C. Kassner. No. 1,266,688; May 21; v. 250; p. 562.
Sling, Cargo-. A. Lafranchi. No. 1,265,921; May 14; v. 250; p. 319.
Sling-shot. A. R. De Pass. No. 1,277,701; Sept. 3; v. 254; p. 103.
Sling-trip. R. P. Gordon. No. 1,269,074; June 11; v. 251; p. 302.
Slip-socket. C. P. Williams. No. 1,285,523; Nov. 19; v. 256; p. 602.
Slipper. M. Gustin. No. 1,265,774; May 14; v. 250; p. 277.
Slipper. I. F. McCamish. No. 1,279,801; Sept. 24; v. 254; p. 777.
Slipper and making the same. E. Dillberg. No. 1,262,026; Apr. 9; v. 249; p. 322.
Slipper-strap, Detachable adjustable. C. Muse. No. 1,252,149; Jan. 1; v. 246; p. 207.
Slipper, Washable. J. Thoma, Jr. No. 1,286,446; Dec. 3; v. 257; p. 65.
Slitting and rewinding machine. J. A. Cameron and G. B. Birch. No. 1,258,185; Mar. 5; v. 248; p 68.
Slitting and rewinding machine. J. A. Cameron and J. A. Hawkes. No. 1,259,834; Mar. 19; v. 248; p. 612.
Slitting and rewinding machine. S. Hansen. No. 1,257,853; Feb. 26; v. 247; p. 914.
Slitting and winding machine. D. M. Humiston. No. 1,273,228; July 23; v. 252; p. 778.
Slitting-machine. R. Burt. No. 1,286,934; Dec. 10; v. 257; p. 217.

Slot-machine. J. S. Vickers. No. 1,261,075; Apr. 2; v. 249; p. 24.
Slow-down and sheet-straightener. T. C. Dexter and G. A. Martin. No. 1,289,697; Dec. 31; v. 257; p. 981.
Sludge, Apparatus for pressing activated. W. Buckley. No. 1,271,425; July 2; v. 252; p. 187.
Sludge treatment, Activated-. W. C. Moor. No. 1,254,833; Jan. 29; v. 246; p. 1097.
Sludge treatment, Activated-. G. B. Mulloy. No. 1,254,836; Jan. 29; v. 246; p. 1097.
Sludge treatment, Activated-. G. L. Noble. No. 1,254,841; Jan. 29; v. 246; p. 1099.
Slug cutter, Lead and linotype-. A. K. Washburns. No. 1,263,492; Apr. 23; v. 249; p. 784.
Sluice. C. E. Brown. No. 1,260,749; Mar. 26; v. 248; p. 913.
Small-arm. G. W. Younger. No. 1,285,885; Nov. 26; v. 256; p. 734.
Small-arm magazine. J. Lohne. No. 1,285,263; Nov. 19; v. 256; p. 537.
Small-arms, Apparatus for use in instruction with. W. P. Coleman. No. 1,273,034; July 16; v. 252; p. 701.
Small-arms, Supplemental stock for. W. C. Rogers. No. 1,276,572; Aug. 20; v. 253; p. 679.
Smelting and purifying iron. G. R. Gehrandt. No. 1,260,660; Mar. 26; v. 248; p. 887.
Smelting and refining furnace. O. J. T. G. R. Martin. No. 1,271,051; July 2; v. 252; p. 85.
Smelting copper and like ores. T. W. Cavers. No. 1,259,467; Mar. 12; v. 248; p. 477.
Smelting-furnace. R. B. Liopart. No. 1,253,064; Jan. 8; v. 246; p. 505.
Smelting-furnace. E. K. H. Lundberg. No. 1,278,696; Sept. 10; v. 254; p. 396.
Smelting-furnace. T. A. M. Stevenson. No. 1,269,974; June 18; v. 251; p. 580.
Smelting-furnace, Electric. F. T. Snyder. No. 1,254,079; Jan. 22; v. 246; p. 847.
Smelting plants, Fume-arrester for. A. Ferrari. No. 1,268,447; June 4; v. 251; p. 108.
Smelting tin, Method of and apparatus for. E. N. Morrill. No. 1,271,200; July 2; v. 252; p. 127.
Smocking, Method of. I. Lack. No. 1,265,920; May 14; v. 250; p. 319.
Smoke-abator. L. D. West. No. 1,275,339; Aug. 13; v. 253; p. 306.
Smoke and heat generator. J. N. Martin and A. S. Bragan. No. 1,275,959; Aug. 13; v. 253; p. 476.
Smoke-consumer. W. L. Briggs. No. 1,284,053; Nov. 5; v. 256; p. 161.
Smoke-consumer. A. Habig. No. 1,278,639; Sept. 10; v. 254; p. 379.
Smoke-consumer. R. J. Johnson. No. 1,278,937; Sept. 17; v. 254; p. 490.
Smoke-consumer. J. E. Marsh. No. 1,258,588; Mar. 5; v. 248; p. 187.
Smoke-consumer. L. E. Minton. No. 1,279,895; Sept. 24; v. 254; p. 779.
Smoke-consumer. T. Parobi. No. 1,273,402; July 23; v. 252; p. 825.
Smoke-consumer. P. C. Stoopes. No. 1,281,694; Oct. 15; v. 255; p. 490.
Smoke-consuming apparatus. I. Therrien. No. 1,279,939; Sept. 24; v. 254; p. 791.
Smoke-consuming device for fire-boxes. W. D. Boyce. No. 1,276,166; Aug. 20; v. 253; p. 567.
Smoke-consuming furnace. O. D. Orvis. No. 1,267,446; May 28; v. 250; p. 799.
Smoke-diffusing apparatus. J. Koltko. No. 1,278,170; Sept. 10; v. 254; p. 253.
Smoke-generator for smoking meats. I. Powers. No. 1,273,535; July 23; v. 252; p. 860.
Smoke-house. E. Flanagan. No. 1,271,300; July 2; v. 252; p. 154.
Smoke-pot for naval use. J. L. Waterbury. No. 1,259,059; Mar. 12; v. 248; p. 362.
Smoke-purifier. W. L. Boyd. No. 1,263,197; Apr. 16; v. 249; p. 681.
Smoke-purifier. W. W. Martin. No. 1,269,724; June 18; v. 251; p. 513.
Smoke-washer. R. J. Johnson. No. 1,289,797; Dec. 31; v. 257; p. 1006.
Smoke-washer. F. W. Westbrook. No. 1,259,695; Mar. 19; v. 248; p. 572.
Smoke washer or purifier. G. W. Glassford, Sr., No. 1,289,439; Dec. 31; v. 257; p. 919.
Smoker's article. L. R. Kruger. No. 1,260,404; Mar. 26; v. 248; p. 810.
Smoker's compartment-box. T. A. Standeven. No. 1,264,344; Apr. 30; v. 249; p. 1049.
Smoker's device. T. P. Ambrose. No. 1,256,636; Feb. 19; v. 247; p. 522.
Smoker's pipe. J. S. Cooper. No. 1,272,389; July 16; v. 252; p. 520.
Smoker's pipe. W. P. Dunham. No. 1,266,563; May 21; v. 250; p. 525.
Smoker's pipe. W. F. Moenke and C. A. Sarlo. No. 1,279,740; Sept. 24; v. 254; p. 733.
Smoker's pipe. C. Pinkney. No. 1,258,454; Mar. 5; v. 248; p. 147.
Smoker's stand. G. W. Conley. No. 1,278,597; Sept. 10; v. 254; p. 367.
Smoking-pipe. G. W. Conley. No. 1,284,601; Nov. 12; v. 256; p. 330.
Smoking-pipe. J. A. Irving. No. 1,280,039; Sept. 24; v. 254; p. 818.
Smoking-pipe. J. C. A. Labreche. No. 1,261,038; Apr. 2; v. 249; p. 14.
Smoking-pipe. W. H. Mittendorf. No. 1,279,896; Sept. 24; v. 254; p. 779.
Smoking-pipe. A. W. Petersohn. No. 1,253,878; Jan. 15; v. 246; p. 771.
Smoking-pipe attachment. K. K. Ledig. No. 1,274,904; Aug. 6; v. 253; p. 160.
Smoking-trolley, Combination. A. N. Benn. No. 1,284,855; Nov. 12; v. 256; p. 395.
Smoothing-tool. L. L. Moran. No. 1,289,229; Dec. 31; v. 257; p. 865.
Snap binding-post. N. Maynard. No. 1,275,961; Aug. 13; v. 253; p. 477.
Snap-coupling. C. E. W. Reinsdorf. No. 1,284,455; Nov. 12; v. 256; p. 296.
Snap-fastener. C. S. Cross. No. 1,288,526; Dec. 24; v. 257; p. 670.
Snap-fastener. K. G. Dieterich. No. 1,256,528; Feb. 19; v. 247; p. 491.
Snap-fastener. F. Goubert. No. 1,252,261; Jan. 1; v. 246; p. 237.
Snap-fastener. E. Hongler. No. 1,282,084; Oct. 22; v. 255; p. 635.
Snap-fastener. H. Rigert. No. 1,275,473; Aug. 13; v. 253; p. 341.
Snap-fastener. F. Simek. No. 1,279,923; Sept. 24; v. 254; p. 787.
Snap-fastener package. W. E. Elliott. No. 1,289,136; Dec. 31; v. 257; p. 843.
Snap-gage and the like. C. E. Johansson. No. 1,262,204; Apr. 9; v. 249; p. 372.
Snap-hook. J. Andes. No. 1,276,474; Aug. 20; v. 253; p. 653.
Snap-hook. J. B. Baxter. No. 1,256,101; Feb. 12; v. 247; p. 327.
Snap-hook. J. B. Baxter. No. 1,276,008; Aug. 20; v. 253; p. 522.
Snap-hook. J. B. Baxter. No. 1,276,009; Aug. 20; v. 253; p. 523.
Snap-hook. J. B. Baxter. No. 1,276,010; Aug. 20; v. 253; p. 523.
Snap-hook. J. B. Baxter. No. 1,276,012; Aug. 20; v. 253; p. 523.
Snap-hook. C. J. Callahan. No. 1,275,842; Aug. 13; v. 253; p. 444.
Snap-hook. T. L. Craven. No. 1,263,745; Apr. 23; v. 249; p. 851.
Snap-hook. C. F. Cummins. No. 1,282,049; Oct. 22; v. 255; p. 626.
Snap-hook. N. Dimick. No. 1,263,346; Apr. 16; v. 249; p. 720.
Snap-hook. E. E. Evenson. No. 1,286,566; Dec. 3; v. 257; p. 94.
Snap-hook. E. N. Humphrey. No. 1,259,107; Mar. 12; v. 248; p. 375.
Snap-hook. F. E. Schartow. No. 1,257,641; Feb. 26; v. 247; p. 851.
Snap-switch. E. Klein. No. 1,284,367; Nov. 12; v. 256; p. 273.
Snap-switch. C. C. Stirling. No. 1,260,591; Mar. 26; v. 248; p. 867.
Snap-switch. C. C. Stirling. No. 1,267,604; May 28; v. 250; p. 843.
Snap-switch cover. G. B. Thomas. (Reissue of design.) No. 14,483; June 11; v. 251; p. 440.
Snap-switch device. H. Kocourek. No. 1,264,529; Apr. 30; v. 249; p. 1102.
Snap-switch, Electric. C. C. Stirling. No. 1,267,603; May 28; v. 250; p. 843.
Snare-drum. J. E. Winne. No. 1,279,627; Sept. 24; v. 254; p. 701.
Snare-drums, Damping device for. H. A. Van Valkenburg. No. 1,281,107; Oct. 8; v. 255; p. 299.
Snathe-press. G. M. Fenn. No. 1,254,398; Jan. 22; v. 246; p. 939.
Snow and like material, Machine for removing. H. S. Farquhar. No. 1,272,786; July 16; v. 252; p. 631.
Snow-elevating machine. A. Peltier. No. 1,252,164; Jan. 1; v. 246; p. 211.
Snow from trackways, Machine for removing. J. J. Burns and C. L. McCuen. No. 1,284,873; Nov. 12; v. 256; p. 400.
Snow-plow. L. E. Barton. No. 1,269,367; June 11; v. 251; p. 383.
Snow-plow. N. A. Beck. No. 1,284,562; Nov. 12; v. 256; p. 321.
Snow-plow. G. W. Bulley. No. 1,254,978; Jan. 29; v. 246; p. 1137.
Snow-plow. L. E. Grabau. No. 1,274,708; Aug. 6; v. 253; p. 105.
Snow-plow. E. C. Hunt. No. 1,257,608; Feb. 26; v. 247; p. 842.
Snow-plow. V. W. Mason, Jr. No. 1,276,672; Aug. 20; v. 253; p. 706.
Snow-plow. H. Morris. No. 1,272,839; July 16; v. 252; p. 647.

Snow-plow. B. Staszko. No. 1,269,016; June 11; v. 251; p. 285.
Snow plow and shovel, Combined. M. J. Field. No. 1,278,621; Sept. 10; v. 254; p. 374.
Snow-plow for attaching to automobiles or other vehicles, Portable. J. F. Mahon. No. 1,262,966; Apr. 16; v. 249; p. 615.
Snow-removing device. H. S. Farquhar. No. 1,266,930; May 21; v. 250; p. 628.
Snow-shovel and ice-chopper. W. H. Miller. No. 1,260,276; Mar. 19; v. 248; p. 739.
Snubbing-machine. H. C. Currier. No. 1,273,745; July 23; v. 252; p. 915.
SO_2 or the like from gases containing the same, Recovering. U. Wedge and F. A. Eustis. No. 1,260,492; Mar. 26; v. 248; p. 837.
Soaking-pit. T. D. Hodge. No. 1,286,632; Dec. 3; v. 257; p. 110.
Soaking-pit, Distributing a pulverulent lining in a. T. D. Hodge. No. 1,281,570; Oct. 15; v. 255; p. 458.
Soap and applicator holder, Combination. C. A. Maher. No. 1,275,456; Aug. 13; v. 253; p. 337.
Soap and making same. J. W. Bodman. No. 1,285,004; Nov. 19; v. 256; p. 472.
Soap and making the same. O. Ludekens. No. 1,276,383; Aug. 20; v. 253; p. 628.
Soap-box. G. A. Dunkelberger. No. 1,256,884; Feb. 19; v. 247; p. 595.
Soap-bubbles, Device for blowing. M. W. Pierce. No. 1,284,440; Nov. 12; v. 256; p. 292.
Soap cake. P. K. Williams. No. 1,267,949; May 28; v. 250; p. 941.
Soap container and deliverer. A. Horwitz. No. 1,259,741; Mar. 19; v. 248; p. 585.
Soap container and deliverer. A. Horwitz. No. 1,285,186; Nov. 19; v. 256; p. 519.
Soap-container, Sanitary. J. H. Purcell. No. 1,275,471; Aug. 13; v. 253; p. 341.
Soap cooler and compressor. J. Bock, Sr. No. 1,271,057; July 9; v. 252; p. 287.
Soap-dispenser and lather-former. G. W. Green. No. 1,278,636; Sept. 10; v. 254; p. 378.
Soap dispenser, Liquid-. J. T. Norman. No. 1,263,275; Apr. 16; v. 249; p. 701.
Soap-dispensing apparatus, Liquid-. L. W. Holmes. No. 1,284,681; Nov. 12; v. 256; p. 351.
Soap-dispensing device. W. H. Brew. No. 1,255,813; Feb. 5; v. 247; p. 202.
Soap-dispensing device, Liquid-. W. J. Philbin. No. 1,285,362; Nov. 19; v. 256; p. 563.
Soap-dispensing machine. A. G. Wise. No. 1,260,501; Mar. 26; v. 248; p. 840.
Soap-holder. C. E. Manley. No. 1,268,595; June 4; v. 251; p. 150.
Soap-holder. J. Wirth. No. 1,265,409; May 7; v. 250; p. 148.
Soap holder and support. E. G. Rautzenberg. No. 1,260,045; Mar. 19; v. 248; p. 676.
Soap-holder, Convertible. E. Hunold. No. 1,275,433; Aug. 13; v. 253; p. 331.
Soap, Liquid shaving-. J. Starrels. No. 1,257,545; Feb. 26; v. 247; p. 823.
Soap, Making. L. Stastney. No. 1,288,255; Dec. 17; v. 257; p. 577.
Soap, Manufacture of a substitute for sericin. P. Schmid. No. 1,284,152; Nov. 5; v. 256; p. 189.
Soap paste and other liquid and semiliquid materials, Container for. J. B. Fesler. No. 1,254,667; Jan. 29; v. 246; p. 1044.
Soap powder. S. J. Diffee. No. 1,260,346; Mar. 26; v. 248; p. 794.
Soap-powder dispenser. J. W. Beckmann. No. 1,266,195; May 14; v. 250; p. 397.
Soap-receptacle. C. B. Moore. No. 1,257,095; Feb. 19; v. 247; p. 656.
Soap-shaver. F. Pugge. No. 1,273,269; July 23; v. 252; p. 789.
Soap stick and holder. W. G. Rich. No. 1,283,307; Oct. 29; v. 255; p. 994.
Soap-stick holder. P. K. Williams. No. 1,257,436; Feb. 26; v. 247; p. 789.
Soap, Sulfur. T. Tanaka. No. 1,278,518; Sept. 10; v. 254; p. 346.
Soap tablet. C. L. Jones. No. 1,268,126; June 4; v. 251; p. 17.
Soaps, &c., Dispensing device for liquid. L. C. Rosenstock. No. 1,271,945; July 9; v. 252; p. 366.
Soaplike detergent and the manufacture thereof. W. Feldenheimer. No. 1,254,588; Jan. 22; v. 246; p. 993.
Soapsuds apparatus. A. F. Merrill. No. 1,273,259; July 23; v. 252; p. 786.
Soapsuds-mixer. S. Bickerton. No. 1,272,194; July 9; v. 252; p. 438.
Socket. H. G. Pape. (Reissue.) No. 14,546; Nov. 5; v. 256; p. 204.
Socket-and-plug device. G. Wright. No. 1,271,981; July 9; v. 252; p. 378.
Socket-cap, Locatable. R. A. Schoenberg. No. 1,277,646; Sept. 3; v. 254; p. 88.
Socket, Combination porcelain. E. H. Freeman. No. 1,283,491; Nov. 5; v. 256; p. 15.
Socket, Connecting-. T. F. Foley. No. 1,282,561; Oct. 22; v. 255; p. 766.
Socket, Extension-. C. H. Frickie. No. 1,276,637; Aug. 20; v. 253; p. 697.
Socket-pattern mechanism. J. B. Ladd. No. 1,272,060; July 9; v. 252; p. 400.
Socket-transformer. L. F. Brislin. No. 1,274,380; Aug. 6; v. 253; p. 9.
Socket-wrench. W. A. Fifield. No. 1,281,928; Oct. 15; v. 255; p. 554.
Soda-cup and the like holder. D. F. Curtin. No. 1,280,416; Oct. 1; v. 255; p. 84.
Soda-fountain attachment. J. R. Wellborn. No. 1,286,460; Dec. 3; v. 257; p. 68.
Soda-water-dispensing apparatus. M. F. Wooten. No. 1,288,357; Dec. 17; v. 257; p. 600.
Soda-water fountain. J. A. Sebring. No. 1,283,330; Oct. 29; v. 255; p. 1001.
Soda-water tanks, Safety device for charged. J. Benzion. No. 1,287,838; Dec. 17; v. 257; p. 475.
Sodium aluminate, Making. W. L. Melick. No. 1,271,192; July 2; v. 252; p. 124.
Sodium-cyanid briquet. A. Kaufman. No. 1,262,057; Apr. 9; v. 249; p. 330.
Sodium cyanids, Producing. H. Freeman. No. 1,277,900; Sept. 3; v. 254; p. 157.
Sodium ferrocyanid, Making. A. R. Tillinghast. No. 1,252,741; Jan. 8; v. 246; p. 410.
Sodium ferrocyanid, Making. A. R. Tillinghast. No. 1,252,742; Jan. 8; v. 246; p. 410.
Sodium hydrosulfite, Manufacturing. A. K. Gyzander. No. 1,270,150; June 18; v. 251; p. 628.
Sodium sulfate, Manufacture of. L. P. Basset. No. 1,279,499; Sept. 24; v. 254; p. 664.
Sodium sulfid, Producing. E. M. Symmes. No. 1,289,016; Dec. 24; v. 257; p. 788.
Sofa, Convertible. O. Fichtenbaum. No. 1,255,146; Feb. 5; v. 247; p. 10.
Soil-pulverizer. G. E. Rehberger. No. 1,287,749; Dec. 17; v. 257; p. 453.
Soil-testing apparatus. M. O. Reiche. No. 1,259,669; Mar. 19; v. 248; p. 564.
Soil-treating apparatus. J. Steelquist. No. 1,281,427; Oct. 15; v. 255; p. 421.
Soilproof fabric and making the same. L. J. Cavanaugh. No. 1,277,695; Sept. 3; v. 254; p. 101.
Solar heater. D. A. Harrison. No. 1,258,405; Mar. 5; v. 248; p. 132.
Solar transit. H. N. Raymond. No. 1,274,935; Aug. 6; v. 253; p. 169.
Solder. J. R. Kinder, Jr. No. 1,252,010; Jan. 1; v. 246; p. 167.
Solder-distributer. W. S. Hamm and R. W. Seidel. No. 1,258,673; Mar. 12; v. 248; p. 251.
Solder for aluminum. J. J. Aubertin, Jr. No. 1,256,285; Feb. 12; v. 247; p. 383.
Solder or the like and preparing the same. A. P. Bevan. No. 1,281,126; Oct. 8; v. 255; p. 304.
Soldered fusible links, Forming. L. A. Grimes. No. 1,269,428; June 11; v. 251; p. 399.
Soldering apparatus. J. Sutter. No. 1,253,906; Jan. 15; v. 246; p. 778.
Soldering apparatus, Can-. J. M. Young. No. 1,251,729; Jan. 1; v. 246; p. 86.
Soldering binding-posts, Machine for. P. P. Nungesser. No. 1,286,886; Dec. 3; v. 257; p. 166.
Soldering bolt or bit, Electrically-heated. F. Husband and A. E. Woodhouse. No. 1,260,263; Mar. 19; v. 248; p. 735.
Soldering compound. C. E. Bonine. No. 1,261,209; Apr. 2; v. 249; p. 61.
Soldering device, Portable. J. M. Bell. No. 1,272,358; July 16; v. 252; p. 511.
Soldering flux, Aluminum-. J. W. Bear and J. F. Thomas. No. 1,259,590; Mar. 19; v. 248; p. 543.
Soldering-flux, Composition of matter for use as a. A. H. Van Marter. No. 1,280,905; Oct. 8; v. 255; p. 245.
Soldering-iron. A. A. Kramer. No. 1,285,239; Nov. 19; v. 256; p. 531.
Soldering-iron. A. Merčak. No. 1,273,518; July 23; v. 252; p. 856.
Soldering-iron. J. J. Stiffey. No. 1,285,830; Nov. 26; v. 256; p. 721.
Soldering-iron. W. F. Wall. No. 1,277,793; Sept. 3; v. 254; p. 129.
Soldering-iron and torch, Self-heating. B. E. Hicken. No. 1,262,047; Apr. 9; v. 249; p. 328.
Soldering-iron, Electrically-heated. B. F. Gardner. No. 1,279,321; Sept. 17; v. 254; p. 593.
Soldering-iron, Fountain. F. Anderson. No. 1,256,970; Feb. 19; v. 247; p. 620.
Soldering-iron, Self-feeding. H. A. Orme. No. 1,268,877; June 11; v. 251; p. 246.
Soldering-iron, Self-heating. L. S. Johnson. No. 1,260,200; Mar. 19; v. 248; p. 717.
Soldering-iron stand. F. Kuhn and G. A. Hand. No. 1,270,304; June 25; v. 251; p. 695.
Soldering machine, Can-. S. E. Allerton. No. 1,256,421; Feb. 12; v. 247; p. 424.
Soldering-tool. W. E. Corkery. No. 1,253,215; Jan. 15; v. 246; p. 578.

Soldering-tool. J. F. Cullin. No. 1,286,242; Dec. 3; v. 257; p. 15.
Soldering-tool. C. Ryden. No. 1,287,448; Dec. 10; v. 257; p. 346.
Soldering-tool. J. Smigiel. No. 1,273,281; July 23; v. 252; p. 792.
Soldier's armor. J. Bilan. No. 1,279,230; Sept. 17; v. 254; p. 567.
Soldier's bench. K. Cwikliński. No. 1,264,278; Apr. 30; v. 249; p. 1032.
Soldier's chair. J. Chmielewski. No. 1,265,882; May 14; v. 250; p. 308.
Soldier's protector. J. Bilan. No. 1,279,229; Sept. 17; v. 254; p. 566.
Soldier's protector. A. Hudziak. No. 1,273,371; July 23; v. 252; p. 816.
Soldier's protector. B. Jezowski. No. 1,287,695; Dec. 17; v. 257; p. 438.
Soldier's protector. L. F. Sopata. No. 1,274,621; Aug. 6; v. 253; p. 81.
Soldier's protector. P. Wasylowich. No. 1,274,645; Aug. 6; v. 253; p. 88.
Sole. H. Bullock. No. 1,289,106; Dec. 31; v| 257; p. 835.
Sole. J. G. Ettle and J. R. Sweasy. No. 1,289,711; Dec. 31; v. 257; p. 985.
Sole, Composite outer-. W. Tirrell. No. 1,268,408; June 4; v. 251; p. 96.
Sole construction for shoes. C. J. Christianson. No. 1,262,450; Apr. 9; v. 249; p. 440.
Sole-cutting machine. E. L. Patten. No. 1,270,319; June 25; v. 251; p. 700.
Sole-edge-molding machine. F. E. Beckman. No. 1,255,281; Feb. 5; v. 247; p. 47.
Sole-edge setter. O. R. Angell. No. 1,278,287; Sept. 10; v. 254; p. 286.
Sole, Flexible wooden shoe-. J. J. Molloy. No. 1,270,189; June 18; v. 251; p. 638.
Sole for boots and shoes. L. D. Steward. No. 1,272,556; July 16; v. 252; p. 564.
Sole-laying machine. A. Eppler. No. 1,283,709; Nov. 5; v. 256; p. 71.
Sole-leveling machine. W. C. Baxter. No. 1,263,361; Apr. 23; v. 249; p. 746.
Sole-leveling machine. C. De Minico. No. 1,266,000; May 14; v. 250; p. 341.
Sole-leveling machine. W. C. Meyer. No. 1,254,256; Jan. 22; v. 246; p. 897.
Sole-leveling machine. H. Morin. No. 1,269,486; June 11; v. 251; p. 415.
Sole-leveling machine. W. C. Stewart. No. 1,268,295; June 4; v. 251; p. 64.
Sole-molding machine. R. F. Knight. No. 1,282,434; Oct. 22; v. 255; p. 732.
Sole-press. G. E. Brittain. No. 1,270,111; June 18; v. 251; p. 616.
Sole-pressing machine. H. A. Davenport. No. 1,251,869; Jan. 1; v. 246; p. 129.
Sole-pressing machine. J. H. La Rouche. No. 1,274,723; Aug. 6; v. 253; p. 110.
Sole-pressing machine. W. C. Stewart. No. 1,277,769; Sept. 3; v. 254; p. 122.
Sole, Shoe-. J. F. Davis. No. 1,258,878; Mar. 12; v. 248; p 310.
Sole, Shoe-. K. Engel. No. 1,254,128; Jan. 22; v. 246; p. 862.
Sole, Shoe-. J. S. Orr. No. 1,255,458; Feb. 5; v. 247; p. 99.
Sole, Shoe-. T. C. Redfern. No. 1,255,107; Jan. 29; v. 246; p. 1172.
Sole, Tap-. F. Marsh. No. 1,274,922; Aug. 6; v. 253; p. 165.
Sole-trimming machine. G. Julian. No. 1,275,564; Aug. 13; v. 253; p. 367.
Sole, Turn-. S. W. Winslow, Jr. No. 1,284,014; Nov. 5; v. 256; p. 150.
Soles, Apparatus for use in operating upon. R. B. Puckett and H. R. Abbott. No. 1,254,010; Jan. 15; v. 246; p. 807.
Soles, Channeling shoe-. F. H. Perry. No. 1,272,709; July 16; v. 252; p. 610.
Soles, Machine for operating on. W. C. Stewart. No 1,271,795; July 9; v. 252; p. 323.
Soles, Machine for operating upon. E. E. Winkley. No. 1,258,847; Mar. 12; v. 248; p. 300.
Soles, Preparing. K. Engel. No. 1,281,539; Oct. 15; v. 255; p. 450.
Soles, Preparing. K. Engel. No. 1,281,540; Oct. 15; v. 255; p. 451.
Solenoid, Alternating-current. S. N. Baruch. No. 1,259,202; Mar. 12; v. 248; p. 402.
Solenoid, Alternating-current. G. A. Burnham. No. 1,266,917; May 21; v. 250; p. 625.
Solenoid, Retarded. A. T. Marshall. No. 1,278,189; Sept. 10; v. 254; p. 258.
Solid rectifier, Constant-pressure. G. W. Pickard. No. 1,257,526; Feb. 26; v. 247; p. 818.
Solids, Extracting. E. E. Howson. No. 1,284,346; Nov. 12; v. 256; p. 268.
Solidification or evaporation apparatus. F. I. du Pont. No. 1,284,074; Nov. 5; v. 256; p. 168.
Solutions, Apparatus for concentrating. W. J. Wayte. No. 1,258,168; Mar. 5; v. 248; p. 64.
Solutions, Treating foul. F. T. Smith. No. 1,276,130; Aug. 20; v. 253; p. 556.
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Soot-remover. A. D. Matthews. No. 1,267,328; May 21; v. 250; p. 738.
Sorting and gaging apparatus. W. Shaw. No. 1,269,010; June 11; v. 251; p. 283.
Sorting and splitting machine. E. F. H. Enna. No. 1,282,785; Oct. 29; v. 255; p. 855.
Sorting-case. H. L. Smith. No. 1,255,940; Feb. 12; v. 247; p. 279.
Sorting device. W. H. Zeltner. No. 1,278,548; Sept. 10; v. 254; p. 354.
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Sorting or separating solid substances, Apparatus for. R. E. Trottier. No. 1,261,323; Apr. 2; v. 249; p. 95.
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Sound and motion in synchronism, Means of recording and reproducing. A. C. Rutzen. No. 1,275,189; Aug. 6; v. 253; p. 240.
Sound and picture reproducing mechanism, Variable-speed mechanism for. C. W. Ebeling. No. 1,261,796; Apr. 9; v. 249; p. 261.
Sound, Apparatus for producing and localizing. F. Twyman. No. 1,287,595; Dec. 10; v. 257; p. 382.
Sound-boards, Resonating attachment for. J. W. Sprinkle. No. 1,258,491; Mar. 5; v. 248; p. 157.
Sound-box. R. Head. No. 1,275,914; Aug. 13; v. 253; p. 465.
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Sound-box. H. C. Miller. No. 1,254,425; Jan. 22; v. 246; p. 946.
Sound-box. R. J. Prettie. No. 1,253,527; Jan. 15; v. 246; p. 670.
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Sound-controller. W. A. Sommerhof. No. 1,288,726; Dec. 24; v. 257; p. 719.
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Sound-directing appliance. E. M. C. Eigerstedt. No. 1,276,287; Aug. 20; v. 253; p. 599.
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Sound-records, Die for pressing. T. Steventon. No. 1,275,100; Aug. 6; v. 253; p. 215.
Sound-records, Producing. V. H. Emerson. No. 1,271,684; July 9; v. 252; p. 294.
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Sound-regenerating machine. M. C. Hopkins. No. 1,271,528; July 2; v. 252; p. 216.
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Sound-reproducing diaphragm and making the same. J. A. Steurer. No. 1,264,219; Apr. 30; v. 249; p. 1016.
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Sound-reproducing machine. W. E. Cleveland. No. 1,258,189; Mar. 5; v. 248; p. 70.
Sound-reproducing machine. C. W. Ebeling. No. 1,261,795; Apr. 9; v. 249; p. 261.
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Spade and crowbar, Combination. C. J. Nelson. No. 1,253,472; Jan. 15; v. 246; p. 655.
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Spanner for the removal of sparking-plug valve-caps of internal-combustion engines. J. Croad. No. 1,270,705; June 25; v. 251; p. 804.
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Spark-advancer, Automatic. E. C. Newton. No. 1,257,630; Feb. 26; v. 247; p. 849.
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Spark-arrester. R. E. Mitzel. No. 1,263,457; Apr. 23; v. 249; p. 774.
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Spark-arrester. F. Stamey. No. 1,288,729; Dec. 24; v. 257; p. 720.
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Spark-arrester for locomotives. C. A. Russell. No. 1,262,098; Apr. 9; v. 249; p. 341.
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Spark-gage. F. B. Graham. No. 1,265,321; May 7; v. 250; p. 123.
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Spark-gap, Rotary. R. C. Richter. No. 1,265,959; May 14; v. 250; p. 330.
Spark-gap, Rotary-blower. H. S. Webster. No. 1,256,405; Feb. 12; v. 247; p. 419.
Spark-gap, Ventilated. H. G. Fischer. No. 1,260,355; Mar. 26; v. 248; p. 796.
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Spark-plug. J. Blomster and J. Schaben. No. 1,279,974; Sept. 24; v. 254; p. 800.
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Spark-plug. C. H. Braselton and F. M. Carroll. No. 1,269,783; June 18; v. 251; p. 530.
Spark-plug. H. Brehmeyer. No. 1,258,180; Mar. 5; v. 248; p. 67.
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Spark-plug. W. C. Fischer. No. 1,267,531; May 28; v. 250; p. 822.
Spark-plug. F. Garaca. No. 1,266,009; May 14; v. 250; p. 343.
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Spark-plug. F. Gerken. No. 1,253,584; Jan. 15; v. 246; p. 686.
Spark-plug. F. Gerken. No. 1,284,309; Nov. 12; v. 256; p. 259.
Spark-plug. J. H. Gill. No. 1,273,476; July 23; v. 252; p. 845.
Spark-plug. R. R. Hill. No. 1,255,880; Feb. 12; v. 247; p. 262.
Spark-plug. W. L. Hill. No. 1,270,521; June 25; v. 251; p. 756.
Spark-plug. H. G. Horning. No. 1,272,954; July 16; v. 252; p. 679.
Spark-plug. W. R. Hunter. No. 1,288,898; Dec. 24; v. 257; p. 760.
Spark-plug. J. A. Jeffery. No. 1,259,240; Mar. 12; v. 248; p. 410.
Spark-plug. F. J. Mathias. No. 1,253,072; Jan. 8; v. 246; p. 508.
Spark-plug. J. M. McKernan. No. 1,279,387; Sept. 17; v. 254; p. 611.
Spark-plug. J. Meara. No. 1,264,836; Apr. 30; v. 249; p. 1185.
Spark-plug. H. H. Moreton. No. 1,259,267; Mar. 12; v. 248; p. 418.
Spark-plug. A. R. Mosler. No. 1,256,719; Feb. 19; v. 247; p. 545.
Spark-plug. A. R. Mosler. No. 1,257,729; Feb. 26; v. 247; p. 878.
Spark-plug. A. J. Mummerts. No. 1,276,396; Aug. 20; v. 253; p. 631.
Spark-plug. H. A. Myers. No. 1,268,380; June 4; v. 251; p. 89.
Spark-plug. J. S. O'Gara. No. 1,286,074; Nov. 26; v. 256; p. 780.

Spark-plug. W. J. O'Gorman. No. 1,268,049; May 28; v. 250; p. 967.
Spark-plug. H. R. Pearsall. No. 1,276,105; Aug. 20; v. 253; p. 550.
Spark-plug. D. E. Phinney. No. 1,258,806; Mar. 12; v. 248; p. 288.
Spark-plug. A. D. Porter. No. 1,276,566; Aug. 20; v. 253; p. 677.
Spark-plug. J., F., and E. Ramstack. No. 1,287,746; Dec. 17; v. 257; p. 452.
Spark-plug. W. Reppin. No. 1,270,437; June 25; v. 251; p. 732.
Spark-plug. A. L. Riggs. No. 1,265,518; May 7; v. 250; p. 176.
Spark-plug. A. L. Riggs. (Reissue.) No. 14,537; Oct. 15; v. 255; p. 580.
Spark-plug. A. L. Riggs. (Reissue.) No. 14,538; Oct. 15; v. 255; p. 581.
Spark-plug. H. F. Sadgebury. No. 1,269,860; June 18; v. 251; p. 551.
Spark-plug. H. F. Sadgebury. No. 1,269,862; June 18; v. 251; p. 552.
Spark-plug. J. A. Savage. No. 1,286,123; Nov. 26; v. 256; p. 791.
Spark-plug. L. A. Schauer and E. C. Myers. No. 1,284,151; Nov. 5; v. 256; p. 188.
Spark-plug. A. Schmidt. No. 1,271,620; July 9; v. 252; p. 275.
Spark-plug. A. Schmidt. No. 1,283,572; Nov. 5; v. 256; p. 35.
Spark-plug. A. Schmidt. No. 1,283,573; Nov. 5; v. 256; p. 35.
Spark-plug. R. W. Schultz. No. 1,267,597; May 28; v. 250; p. 841.
Spark-plug. G. T. Simmons. No. 1,255,805; Feb. 5; v. 247; p. 200.
Spark-plug. W. H. Sippel. No. 1,288,242; Dec. 17; v. 257; p. 574.
Spark-plug. A. St. James. No. 1,258,269; Mar. 5; v. 248; p. 93.
Spark-plug. M. P. Sullivan. No. 1,275,102; Aug. 6; v. 253; p. 215.
Spark-plug. M. P. Sullivan. No. 1,281,429; Oct. 15; v. 255; p. 421.
Spark-plug. E. J. Taylor. No. 1,279,610; Sept. 24; v. 254; p. 696.
Spark-plug. W. S. Thomas. No. 1,254,449; Jan. 22; v. 246; p. 953.
Spark-plug. W. S. Thomas. No. 1,255,826; Feb. 5; v. 247; p. 206.
Spark-plug. J. M. Watts. No. 1,255,252; Feb. 5; v. 247; p. 39.
Spark-plug. A. A. Zalondek. No. 1,284,848; Nov. 12; v. 256; p. 393.
Spark-plug, Adjustable-electrode. D. M. Clark. No. 1,256,201; Feb. 12; v. 247; p. 359.
Spark-plug and engine testing and priming device, Combined. O. Voigt. No. 1,281,441; Oct. 15; v. 255; p. 424.
Spark-plug and making same. C. A. Mezger. No. 1,286,384; Dec. 3; v. 257; p. 49.
Spark-plug and priming device, Combined. P. A. Frank. No. 1,267,203; May 21; v. 250; p. 706.
Spark-plug attachment for pumps. H. F. Sadgebury. No. 1,269,861; June 18; v. 251; p. 551.
Spark-plug cleaner. J. C. Anderson. No. 1,285,892; Nov. 26; v. 256; p. 735.
Spark-plug connector. W. Zielinski. No. 1,284,025; Nov. 5; v. 256; p. 153.
Spark-plug electrodes and the like, Retaining inserts in. C. H. Duffy. No. 1,284,263; Nov. 12; v. 256; p. 245.
Spark-plug for internal-combustion engines. E. W. Cole. No. 1,257,581; Feb. 26; v. 247; p. 834.
Spark-plug for internal-combustion engines. W. H. Grainger. No. 1,264,870; Apr. 30; v. 249; p. 1194.
Spark-plug intensifier. H. W. Kakaska. No. 1,271,037; July 2; v. 252; p. 81.
Spark-plug intensifier. G. R. Meissner. No. 1,259,893; Mar. 19; v. 248; p. 630.
Spark-plug, Low-tension. G. L. Truesdell. No. 1,263,005; Apr. 16; v. 249; p. 627.
Spark-plug, Non-carbonizing. C. K. Harding. No. 1,275,020; Aug. 6; v. 253; p. 192.
Spark-plug tester. B. A. Narveson. No. 1,264,872; Apr. 30; v. 249; p. 1195.
Spark-plug tester. A. D. Perkins. No. 1,262,088; Apr. 9; v. 249; p. 338.
Spark-plug tester. D. L. Winters. No. 1,252,639; Jan. 8; v. 246; p. 381.
Spark-plug, Vacuum-energized make-and-break. H. G. Irwin. No. 1,268,719; June 4; v. 251; p. 183.
Spark-timing mechanism. H. T. Roberts. No. 1,274,083; July 30; v. 252; p. 1048.
Spark-tip. G. A. H. Henrix. No. 1,277,929; Sept. 3; v. 254; p. 164.
Sparking device. H. H. Moreton. No. 1,257,291; Feb. 19; v. 247; p. 715.
Sparking plug. C. H. Watkins. No. 1,263,719; Apr. 23; v. 249; p. 844.
Sparking plugs, Securing of internal-combustion-engine. T. C. W. Pullinger. No. 1,278,011; Sept. 3; v. 254; p. 186.
Sparking units, Means for locking. W. R. Cox. No. 1,253,470; Jan. 15; v. 246; p. 654.
Speaking and signaling apparatus. H. G. Pape. No. 1,272,993; July 16; v. 252; p. 690.
Spear. A. M. Holtzman. No. 1,283,772; Nov. 5; v. 256; p. 87.
Spectacle-frame. W. S. Searles. No. 1,284,935; Nov. 12; v. 256; p. 416.
Spectacle-frames, Means for attaching the side arms to. H. H. Collings. No. 1,271,669; July 9; v. 252; p. 290.
Spectacle-lens mount. L. Arntz. No. 1,265,417; May 7; v. 250; p. 150.
Spectacle-pliers. E. C. Chamberlin. No. 1,259,078; Mar. 12; v. 248; p. 367.
Spectacle-rims, Expanding device for. G. E. Pryor. No. 1,254,274; Jan. 22; v. 246; p. 903.
Spectacle-support. J. A. Taylor. No. 1,288,284; Dec. 17; v. 257; p. 584.
Spectacle-temple. E. J. R. Beattey. No. 1,282,524; Oct. 22; v. 255; p. 756.
Spectacle-temple. H. F. Shindel. No. 1,266,067; May 14; v. 250; p. 359.
Spectacles. R. J. James. No. 1,275,933; Aug. 13; v. 253; p. 469.
Spectacles. L. Letzeisen. No. 1,252,126; Jan. 1; v. 246; p. 200.
Spectacles. C. Moore. No. 1,289,227; Dec. 31; v. 257; p. 865.
Spectacles. F. Willson. No. 1,269,990; June 18; v. 251; p. 585.
Spectacles, Slip-on removable lens-rims for. G. J. Lowres. No. 1,269,624; June 18; v. 251; p. 485.
Spectacles, Temple for. A. V. Brown. No. 1,288,497; Dec. 24; v. 257; p. 662.
Speculum. C. Verbsky. No. 1,260,604; Mar. 26; v. 248; p. 871.
Speculum, Rectal. J. R. Pennington. No. 1,286,083; Nov. 26; v. 256; p. 782.
Speed and driving mechanism, Variable-. J. H. Dean. No. 1,257,462; Feb. 26; v. 247; p. 798.
Speed apparatus, Variable-. M. Tourreil. No. 1,269,338; June 11; v. 251; p. 375.
Speed-changing mechanism. F. Johnson. No. 1,265,668; May 7; v. 250; p. 215.
Speed-changing mechanism. R. G. Mulkins. No. 1,252,476; Jan. 8; v. 246; p. 334.
Speed-changing mechanism. W. H. Runge. No. 1,285,399; Nov. 19; v. 256; p. 571.
Speed-changing transmission mechanism, Differential magnetic. C. M. Seidel. No. 1,289,935; Dec. 31; v. 257; p. 1040.
Speed control and recording device, Automatic. D. D. Good. No. 1,288,870; Dec. 24; v. 257; p. 752.
Speed-control device, Automatic train-. W. V. Turner. No. 1,260,484; Mar. 26; v. 248; p. 834.
Speed-control mechanism for power-driven apparatus. H. Sawyer. No. 1,263,125; Apr. 16; v. 249; p. 663.
Speed-controlled brake. W. V. Turner. No. 1,255,956; Feb. 12; v. 247; p. 283.
Speed-controlled brake. W. V. Turner. No. 1,283,978; Nov. 5; v. 256; p. 142.
Speed-controlled brake device. W. V. Turner. No. 1,255,957; Feb. 12; v. 247; p. 284.
Speed-controller. M. E. Hamilton and W. H. Johnson. No. 1,277,718; Sept. 3; v. 254; p. 108.
Speed controller, Automatic maximum-. W. S. Weston. No. 1,257,565; Feb. 26; v. 247; p. 829.
Speed-controlling apparatus, Railway-vehicle-. L. V. Lewis. No. 1,280,500; Oct. 1; v. 255; p. 108.
Speed-counter. U. Kohler and C. Stöcklin. No. 1,275,269; Aug. 13; v. 253; p. 286.
Speed-determiner, Automatic. L. J. Monahan. No. 1,281,629; Oct. 15; v. 255; p. 473.
Speed, Device for obtaining predetermined. W. W. Dean. No. 1,285,639; Nov. 26; v. 256; p. 671.
Speed, Device for obtaining predetermined. W. W. Dean. No. 1,285,640; Nov. 26; v. 256; p. 671.
Speed-evener. W. C. Boy. No. 1,288,818; Dec. 24; v. 257; p. 741.
Speed-governed stopping mechanism. G. E. Molyneux. No. 1,285,312; Nov. 19; v. 256; p. 550.
Speed-governor. H. N. Jahren. No. 1,264,806; Apr. 30; v. 249; p. 1177.
Speed-governor. A. D. Skinner. No. 1,287,481; Dec. 10; v. 257; p. 353.
Speed-governor and lubricator, Combined. G. C. Pharo. No. 1,265,813; May 14; v. 250; p. 287.
Speed-indicator. S. A. Asquith. No. 1,282,725; Oct. 29; v. 255; p. 838.
Speed-indicator. S. L. Bennett. No. 1,266,763; May 21; v. 250; p. 582.
Speed-indicator. J. B. Gray. No. 1,286,293; Dec. 3; v. 257; p. 27.
Speed-indicator. H. W. and S. H. Henke. No. 1,271,467; July 2; v. 252; p. 198.
Speed-indicator. T. C. Prouty. No. 1,269,215; June 11; v. 251; p. 342.
Speed-indicator. N. Tesla. No. 1,274,816; Aug. 6; v. 253; p. 135.
Speed-indicator for rotating mechanism, Audible. H. H. Lewis. No. 1,261,825; Apr. 9; v. 249; p. 268.

Speed-limit warning and theft-alarm. G. Wagner. No. 1,275,330; Aug. 13; v. 253; p. 303.
Speed mechanism, Change-. E. S. Waterman. No. 1,269,985; June 18; v. 251; p. 583.
Speed mechanism, Reversible change-. C. C. Haymond. No. 1,265,196; May 7; v. 250; p. 90.
Speed of a rotating part, Determining. W. W. Dean. No. 1,285,641; Nov. 26; v. 256; p. 672.
Speed of machines, Means for controlling. C. S. Franklin. No. 1,284,885; Nov. 12; v. 256; p. 404.
Speed of trains, Device for controlling. A. F. Jacobson. No. 1,288,602; Dec. 24; v. 257; p. 688.
Speed power-transmitter, Variable-. I. Tornberg. No. 1,280,901; Oct. 8; v. 255; p. 244.
Speed-recorder. W. Chipman. No. 1,267,631; May 28; v. 250; p. 851.
Speed-recorder. R. Erdle. No. 1,252,102; Jan. 1; v. 246; p. 194.
Speed-recording mechanism. F. C. Wilhelm and S. Strommer. No. 1,260,112; Mar. 19; v. 248; p. 693.
Speed reducing and refining apparatus, High-. A. Sonsthagen. No. 1,284,940; Nov. 12; v. 256; p. 417.
Speed-regulating means. T. Fletcher. No. 1,271,881; July 9; v. 252; p. 347.
Speed-responsive device. W. G. Noack. No. 1,257,918; Feb. 26; v. 247; p. 932.
Speed-selecting indicator. J. H. Stortz. No. 1,253,745; Jan. 15; v. 246; p. 732.
Speed sliding transmission, Three-. C. J. Gustafson. No. 1,288,875; Dec. 24; v. 257; p. 754.
Speed-transformer. S. Arce. No. 1,271,828; July 9; v. 252; p. 333.
Speed transmission, Electrical. F. W. Hill and G. E. Williams. No. 1,260,195; Mar. 19; v. 248; p. 716.
Speed transmission, Variable-. E. Frey. No. 1,263,546; Apr. 23; v. 249; p. 799.
Speed transmission, Variable-. H. Hueber. No. 1,279,547; Sept. 24; v. 254; p. 677.
Speed wind-wheel, Constant-. W. Schramm. No. 1,287,116; Dec. 10; v. 257; p. 264.
Speedometer. G. W. Blackburn. No. 1,289,370; Dec. 31; v. 257; p. 901.
Speedometer. A. Dey. No. 1,277,877; Sept. 3; v. 254; p. 151.
Speedometer. L. A. Greenleaf. No. 1,265,077; May 7; v. 250; p. 57.
Speedometer. J. E. Johnson. No. 1,256,022; Feb. 12; v. 247; p. 303.
Speedometer. J. F. and F. L. Ohmer. No. 1,262,835; Apr. 16; v. 249; p. 578.
Speedometer. C. G. Smith. No. 1,271,092; July 2; v. 252; p. 95.
Speedometer dial and indicator. G. C. Dixon and W. N. Haskell. No. 1,272,396; July 16; v. 252; p. 521.
Speedometer-drive. J. G. Perrin. No. 1,270,549; June 25; v. 251; p. 764.
Speedometers and other purposes, Recording device for. C. F. MacGill. No. 1,278,964; Sept. 17; v. 254; p. 497.
Sphygmomanometer. C. B. Nagelman. No. 1,288,130; Dec. 17; v. 257; p. 548.
Spiegel, Manufacture of. A. L. Cromlish. No. 1,261,907; Apr. 9; v. 249; p. 290.
Spike. R. E. L. Crosby. No. 1,267,851; May 28; v. 250; p. 914.
Spike. W. C. Roberts. No. 1,255,108; Jan. 29; v. 246; p. 1173.
Spike-driving machine. A. Lightell. No. 1,268,736; June 4; v. 251; p. 188.
Spike-driving-machine spike-holder. A. H. Taylor. No. 1,284,815; Nov. 12; v. 256; p. 384.
Spike-making device. W. O. Fragmeier and O. G. Muhlig. No. 1,273,760; July 23; v. 252; p. 920.
Spike-puller. H. Butler. No. 1,257,184; Feb. 19; v. 247; p. 681.
Spike-puller. T. A. Christian. No. 1,285,561; Nov. 19; v. 256; p. 611.
Spinal muscles of the human body, Mechanism for manipulating the. C. B. Hardy and K. E. Gibson. No. 1,276,526; Aug. 20; v. 253; p. 667.
Spindle: *See*—
Axle-spindle.
Spinning-spindle.
Swivel-jaw spindle.
Tool-spindle.
Winding-spindle.
Spindle. F. H. Chapman. No. 1,253,351; Jan. 15; v. 246; p. 619.
Spindle. J. Lacroix. No. 1,283,812; Nov. 5; v. 256; p. 97.
Spindle and bearing. D. B. Salstrom. No. 1,266,056; May 14; v. 250; p. 356.
Spindle connection, Driving-. L. Van Gilder. No. 1,261,325; Apr. 2; v. 249; p. 96.
Spindle-driving mechanism. A. E. Whipple. No. 1,258,841; Mar. 12; v. 248; p. 299.
Spindle-lubricator. O. H. Stair. No. 1,252,191; Jan. 1; v. 246; p. 218.
Spindle-pointing device. A. M. Guillet. No. 1,254,900; Jan. 29; v. 246; p. 1117.
Spindle-stop mechanism. R. T. Hazelton and L. F. Nenninger. No. 1,280,024; Sept. 24; v. 254; p. 814.
Spindles, Bobbin-clutching means for rotatable. C. E. Nutting. No. 1,265,947; May 14; v. 250; p. 326.
Spindles, Flexible bearing for high-speed. G. A. Overstrom. No. 1,273,655; July 23; v. 252; p. 894.
Spine-protector. A. Seibert. No. 1,267,598; May 28; v. 250; p. 841.
Spinning and drawing roll for textile operations. H. F. Busch. No. 1,269,682; June 18; v. 251; p. 501.
Spinning and like machine separator, Ring-. J. R. Williams. No. 1,284,522; Nov. 12; v. 256; p. 312.
Spinning and like machines, Doffing apparatus for. A. and J. Stell. No. 1,263,714; Apr. 23; v. 249; p. 843.
Spinning and like machines, Doffing apparatus for. A. and J. Stell. No. 1,263,715; Apr. 23; v. 249; p. 843.
Spinning and twisting machine. W. H. Goldsmith, Jr. No. 1,263,055; Apr. 16; v. 249; p. 641.
Spinning and twisting machines, Stop-motion for. W. Kozlowski. No. 1,285,742; Nov. 26; v. 256; p. 698.
Spinning-box. C. A. Ernst. No. 1,272,241; July 9; v. 252; p. 451.
Spinning, doubling, and twisting machines for yarns and threads of fibrous substances, Spindle-driving arrangement for. J. H. Fallows. No. 1,259,501; Mar. 19; v. 248; p. 518.
Spinning-frame. F. Casablancas. No. 1,254,390; Jan. 22; v. 246; p. 936.
Spinning-frame. D. Stevens and G. Clarke. No. 1,254,738; Jan. 29; v. 246; p. 1067.
Spinning-frame. C. D. White. No. 1,280,922; Oct. 8; v. 255; p. 250.
Spinning-frame builder-motion. A. E. Rhoades. No. 1,257,395; Feb. 26; v. 247; p. 778.
Spinning-frame roll. O. U. Bradley. No. 1,270,777; July 2; v. 252; p. 7.
Spinning-frame with conducting-belt for the roving. F. Casablancas. No. 1,254,391; Jan. 22; v. 246; p. 936.
Spinning-frames, Lifting-rod and bushing for. W. E. G. Robinson and J. P. Toomey. No. 1,263,934; Apr. 23; v. 249; p. 905.
Spinning-machine. W. J. Beisel. No. 1,264,599; Apr. 30; v. 249; p. 1122.
Spinning-machine. M. P. Pederson. No. 1,286,082; Nov. 26; v. 256; p. 781.
Spinning-machine. M. P. Pederson. No. 1,288,668; Dec. 24; v. 257; p. 706.
Spinning-machine. G. L. Rice. No. 1,260,453; Mar. 26; v. 248; p. 824.
Spinning-machine cleaner. G. F. Roberts. No. 1,252,180; Jan. 1; v. 246; p. 215.
Spinning-machine feed-roll. C. R. Sylvander. No. 1,264,452; Apr. 30; v. 249; p. 1081.
Spinning-machine wiper. G. F. Roberts. No. 1,256,040; Feb. 12; v. 247; p. 308.
Spinning-machine doffing device. J. P. Crane. No. 1,252,404; Jan. 8; v. 246; p. 312.
Spinning-machines, Scavenger for. O. L. Owen. No. 1,269,847; June 18; v. 251; p. 547.
Spinning-mules, Doffing yarn-clamp for. A. F. Poirier and T. J. Monroe. No. 1,288,180; Dec. 17; v. 257; p. 560.
Spinning or roving machines, Guide-eye for. E. Dixon. No. 1,282,773; Oct. 29; v. 255; p. 851.
Spinning-ring and forming same. J. K. Lanning. No. 1,265,924; May 14; v. 250; p. 320.
Spiral regainer. W. M. White. No. 1,273,559; July 23; v. 252; p. 867.
Spiral separator, Adjustable. J. H. Becker. No. 1,270,365; June 25; v. 251; p. 711.
Spiral stitches, Attachment for producing. H. Adler. No. 1,284,958; Nov. 19; v. 256; p. 459.
Spittoon lifter and carrier. J. N. Buron. No. 1,276,170; Aug. 20; v. 253; p. 568.
Splash-preventing device. D. Walsh. No. 1,288,315; Dec. 17; v. 257; p. 591.
Splash-shield. B. S. Andersson. No. 1,277,341; Aug. 27; v. 253; p. 920.
Splice-bar. C. Petty. No. 1,272,310; July 9; v. 252; p. 471.
Splice-bars, Machine for casting stepped. B. L. Weaver. No. 1,281,237; Oct. 8; v. 255; p. 336.
Splice for conductors. L. W. Chubb. No. 1,281,517; Oct. 15; v. 255; p. 444.
Splice-joint. P. Foukes. No. 1,269,698; June 18; v. 251; p. 505.
Splicing-machine. A. J. Pfohl. No. 1,261,055; Apr. 2; v. 249; p. 19.
Splint, Self-retaining. B. Scheinkman. No. 1,270,880; July 2; v. 252; p. 36.
Split ring. G. H. Doering. No. 1,264,379; Apr. 30; v. 249; p. 1060.
Spoke-mitering machine. G. Scherer. No. 1,263,127; Apr. 16; v. 249; p. 663.
Spoke remover and tightener. F. H. Billhartz. No. 1,280,646; Oct. 8; v. 255; p. 173.
Sponge-raising apparatus. D. R. Slocum. No. 1,277,496; Sept. 3; v. 254; p. 46.
Sponging and shrinking machines, Cloth-handling means for. H. Guttridge. No. 1,263,885; Apr. 23; v. 249; p. 891.
Sponging press-cloth, Non-glossing. A. H. Fische. No. 1,289,142; Dec. 31; v. 257; p. 844.
Spool and needle holder. C. M. Deason. No. 1,279,520; Sept. 24; v. 254; p. 670.
Spool-carrying device. C. Caldes. No. 1,264,773; Apr. 30; v. 249; p. 1167.

Spool, Collapsible. J. A. Brandt. No. 1,287,857; Dec. 17; v. 257; p. 479.
Spool device. W. A. Prentiss. No. 1,265,110; May 7; v. 250; p. 67.
Sponging, setting, and finishing fabrics. E. Heidler. No. 1,270.153; June 18; v. 251; p. 628.
Spooler-guide and yarn-tensioner. W. Harrop. No. 1,279,336; Sept. 17; v. 254; p. 596.
Spool-holder. D. O. Traeger. No. 1,260,597; Mar. 26; v. 248; p. 868.
Spool-holder. C. M. Wolfe. No. 1,273,971; July 30; v. 252; p. 1018.
Spooling-machine. A. E. Rhoades. No. 1,261,619; Apr. 2; v. 249; p. 177.
Spooling-machine tensioning device. A. Maynard. No. 1,283,251; Oct. 29; v. 255; p. 982.
Spoon. D. Fitzgerald. No. 1,280,006; Sept. 24; v. 254; p. 809.
Spoon. G. B. Margetts. No. 1,273,642; July 23; v. 252; p. 889.
Spoon, Combination medicine-. E. W. Nimmer. No. 1,277,635; Sept. 3; v. 254; p. 85.
Spoon, Corn-. J. J. Lieb. No. 1,263,780; Apr. 23; v. 249; p. 861.
Spoon-holder R. G. Kennedy. No. 1,258,015; Mar. 5; v 248; p. 20.
Spoon-holder for cups, &c. E. Blaetus. No. 1,276,018; Aug. 20; v. 253; p. 524.
Spoons from sheet material. Machine for cutting and forming. L. D. Jacoby. No. 1,258,414; Mar. 5; v. 248; p. 136.
Spot-light. J. C. Stearns. No. 1,256,606; Feb. 19; v. 247; p. 513.
Spot-light mounting. O. M. Otte. No. 1,272,842; July 16; v. 252; p. 648.
Spot-light mounting. O. M. Otte. No. 1,288,153; Dec. 17; v. 257; p. 554.
Spout: *See*—
Can-spout.
Spout. R. W. Edmonds. No. 1,265,759; May 14; v. 250; p. 273.
Spout. G. B. Willcox. No. 1,289,587; Dec. 31; v. 257; p. 954.
Spout and container, Pouring-. B. K. Ford. No. 1,266,671; May 21; v. 250; p. 557.
Spout attachment. B. E. Brunsvold. No. 1,267,509; May 28; v. 250; p. 816.
Spout, Distributing-. F. W. Cooley. No. 1,268,218; June 4; v. 251; p. 42.
Spout, Distributing-. F. W. Cooley. No. 1,268,219; June 4; v. 251; p. 42.
Spout for conveying materials. W. A. Whitmore. No. 1,288,335; Dec. 17; v. 257; p. 595.
Spouts, Cut-out for down-. H. L. Gurley. No. 1,274,536; Aug. 6; v. 253; p. 57.
Sprag. M. A. Allison. No. 1,278,819; Sept. 17; v. 254; p. 458.
Spray and shower bath, Curtained. J. A. Eaton. No. 1,255,396; Feb. 5; v. 247; p. 82.
Spray, Compression-. A. B. Cook. No. 1,258,193; Mar. 5; v. 248; p. 71.
Spray-finishing machine. T. R. Willwerscheid. No. 1,264,358; Apr. 30; v. 249; p. 1053.
Spray fixture, Bath-. B. P. Smith. No. 1,257.751; Feb. 26; v. 247; p. 884.
Spray-gun. J. C. Hull. No. 1,253,245; Jan. 15; v. 246; p. 586.
Spray-head. J. H. Kinealy. No. 1,272,274; July 9; v. 252; p. 459.
Spray-pole. W. H. Gill. No. 1,268,709; June 4; v. 251; p. 181.
Spray, Sanitary hand-. S. Huffer. No. 1,274.269; July 30; v. 252; p. 1101.
Spray, Shampoo-. F. A. Schossow. No. 1,256,600; Feb. 19; v. 247; p. 511.
Sprayer. C. B. Leland. No. 1,279,129; Sept. 17; v. 254; p. 539.
Sprayer. H. S. Shoulders. No. 1,278,768; Sept. 10; v. 254; p. 413.
Sprayer, Tree-. J. Wilcox. No. 1,252,756; Jan. 8; v. 246; p. 415.
Spraying, Agricultural. C. B. Clark. No. 1,263,856; Apr. 23; v. 249; p. 882.
Spraying and collecting device for liquids. H. Hoetze. No. 1,278.329; Sept. 10; v. 254; p. 297.
Spraying apparatus. E. K. Barnes. No. 1,273,311; July 23; v. 252; p. 799.
Spraying apparatus. J. T. Clark. No. 1,261,101; Apr. 2; v. 249; p. 32.
Spraying apparatus. W. P. Mott. No. 1,254,834; Jan. 29; v. 246; p. 1097.
Spraying apparatus. M. J. Roche. No. 1,267,118; May 21; v. 250; p. 682.
Spraying apparatus. C. Weller. No. 1,271,107; July 2; v. 252; p. 100.
Spraying apparatus, Liquid-. I. Hechenbleikner. No. 1,273,856; July 30; v. 252; p. 985.
Spraying device. G. B. Furman. No. 1,268,232; June 4; v. 251; p. 46.
Spraying device. H. R. Pierce and C. J. Pilling. No 1,285,788; Nov. 26; v. 256; p. 710.
Spraying-device attachment. G. E. Hall. No. 1,282,818; Oct. 29; v. 255; p. 864.
Spraying implement. H. E. Herbert and J. B. Hogeboom. No. 1,276,653; Aug. 20; v. 253; p. 702.
Spraying-machine. J. W. Dorris. No. 1,287,578; Dec. 10; v. 257; p. 377.
Spraying-machine. C. A. Wickstrom. No. 1,276,466; Aug. 20; v. 253; p. 650.
Spraying-machine for can ends and similar articles. C. W. Graham. No. 1,281,349; Oct. 15; v. 255; p. 399.
Spraying or atomizing system. H. E. Sturcke. No. 1,277,269; Aug. 27; v. 253; p. 902.
Spreadable stopper. T. C. Spelling. No. 1,283,347; Oct. 29; v. 255; p. 1006.
Spreader. E. C., J. C., and W. A. Hinkle. No. 1,259,739; Mar. 19; v. 248; p. 584.
Spreader and form-tie, Combination. G. E. McDonald, Jr. No. 1,258,130; Mar. 5; v, 248; p. 53.
Spreader, Broadcast. H. L. Litchfield and C. E. Shiplet. No. 1,267,563; May 28; v. 250; p. 831.
Spreaders, Top-dresser for. L. E. Healy. No. 1,267,660; May 28; v. 250; p. 858.
Spreading and locking device. A. Kolkiewicz and M. M. Weinstein. No. 1,287,048; Dec. 10; v. 257; p. 247.
Spreading-machine. A. M. Wispwell. No. 1,256,190; Feb. 12; v. 247; p. 356.
Spring: *See*—
Antifriction-spring.
Automobile-spring.
Bed-spring.
Bed and couch spring.
Contact-spring.
Controlling-spring.
Cushion-spring.
Door-spring.
Laminated spring.
Leaf-spring.
Lubricating-spring.
Mattress-spring.
Pumper-spring.
Self-lubricating spring.
Self-lubricating leaf-spring.
Shock-absorbing spring.
Stretcher-spring.
Supplemental spring.
Tire-spring.
Vehicle-spring.
Vehicle auxiliary spring.
Vehicle counter-spring.
Vehicle cushion-spring.
Vehicle supplementary spring.
Wagon-spring.
Wire click-spring.
Spring. L. P. Carhart. No. 1,281,511; Oct. 15; v. 255; p. 443.
Spring. E. P. Currey. No. 1,280,415; Oct. 1; v. 255; p. 84.
Spring. E. G. De Loe. No. 1,285,642; Nov. 26; v. 256; p. 672.
Spring. T. W. C. Hartmann. No. 1,274,542; Aug. 6; v. 253; p. 58.
Spring. A. M. Laycock. No. 1,278,948; Sept. 17; v. 254; p. 493.
Spring. J. H. Stone. No. 1,259,159; Mar. 12; v. 248; p. 390.
Spring and frame supporter. J. Dottl. No. 1,287,917; Dec. 17; v. 257; p. 494.
Spring and manufacturing the same. E. W. Timmis. No. 1,266,349; May 14; v. 250; p. 437.
Spring and shock-absorber. B. A. Holden. No. 1,290,019; Dec. 31; v. 257; p. 1060.
Spring-bending machine. J. M. Tracy. No. 1,260,733; Mar. 26; v. 248; p. 908.
Spring-bolt, Self-lubricating. O. Zerk. No. 1,255,267; Feb. 5; v. 247; p. 43.
Spring bracket, Vehicle-. W. S. Lawyer. No. 1,264,662; Apr. 30; v. 249; p. 1140.
Spring broom-handle. E. P. Seghers. No. 1,289,010; Dec. 24; v. 257; p. 787.
Spring-catch. R. Heinzelman. No. 1,263,319; Apr. 16; v. 249; p. 713.
Spring-catch. E. H. Martin. No. 1,258,589; Mar. 5; v. 248; p. 187.
Spring-clip. T. T. Lee. No. 1,271,043; July 2; v. 252; p. 82.
Spring-coiling machine. F. H. Sleeper. No. 1,266,070; May 14; v. 250; p. 360.
Spring connection. E. P. Currey. No. 1,265,623; May 7; v. 250; p. 204.
Spring construction. J. W. Gelling. No. 1,256,124; Feb. 12; v. 247; p. 335.
Spring construction. J. H. Stone. No. 1,277,663; Sept. 3; v. 254; p. 92.
Spring construction. W. W. Vincent. No. 1,273,428; July 23; v. 252; p. 831.
Spring construction. L. A. Young. No. 1,264,250; Apr. 30; v. 249; p. 1025.
Spring-cushion. F. P. D'Arcy. No. 1,278,114; Sept. 10; v. 254; p. 238.
Spring-cushion-tired wheel. J. E. Bennett. No. 1,260,284; Mar. 19; v. 248; p. 741.
Spring-damper. J. F. O'Connor. No. 1,255,214; Feb. 5; v. 247; p. 29.
Spring device. H. F. Leissner. No. 1,260,921; Mar. 26; v. 248; p. 958.
Spring ends, Machine for attaching. E. E. Eyster. No. 1,287,931; Dec. 17; v. 257; p. 498.
Spring-eyes, Making lubricating. W. H. Brown. No. 1,253,464; Jan. 15; v. 246; p. 653.
Spring fabric. S. J. Lavezzi. No. 1,288,931; Dec. 24; v. 257; p. 768.
Spring-fastener. C. and A. C. Weiss. No. 1,278,406; Sept. 10; v. 254; p. 316.

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Spring-fitting machine. L. F. Torrey. No. 1,253,304; Jan. 15; v. 246; p. 604.
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Spring-forming machine. T. F. Buckley and S. S. Riegel. No. 1,275,377; Aug. 13; v. 253; p. 316.
Spring-forming machine. S. B. Finegan. No. 1,276,639; Aug. 20; v. 253; p. 698.
Spring-gear and dampener, Combined. J. F. O'Connor. No. 1,288,661; Dec. 24; v. 257; p. 704.
Spring-gear, High-capacity. G. Q. Lewis. No. 1,288,625; Dec. 24; v. 257; p. 695.
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Spring-hanger, Double-end. W. E. Ferris. No. 1,289,140; Dec. 31; v. 257; p. 844.
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Spring-leaf lubricator. W. Grus, Jr. No. 1,279,538; Sept. 24; v. 254; p. 674.
Spring-lock, Burglar-proof. M. Shuniman. No. 1,253,734; Jan. 15; v. 246; p. 730.
Spring-lock, Curtain-box. H. H. Schroyer. No. 1,256,051; Feb. 12; v. 247; p. 311.
Spring-lubricating device. L. G. Green. No. 1,277,911; Sept. 3; v. 254; p. 160.
Spring-lubricating system. R. S. Trott. No. 1,289,970; Dec. 31; v. 257; p. 1048.
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Spring-motor. G. R. Kunkle. No. 1,251,972; Jan. 1; v. 246; p. 156.
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Spring-motor. F. L. La Roche. No. 1,278,688; Sept. 10; v. 254; p. 393.
Spring-motor. A. Meiro. No. 1,259,262; Mar. 12; v. 248; p. 417.
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Spring mounting, Upholstery-. M. Stadtler. No. 1,254,285; Jan. 22; v. 246; p. 907.
Spring-reel. P. Henderson. No. 1,256,016; Feb. 12; v. 247; p. 301.
Spring-roll. P. Meyer. No. 1,271,194; July 2; v. 252; p. 125.
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Spring-roller, Extension. E. Ohnstrand. No. 1,252,832; Jan. 8; v. 246; p. 435.
Spring-seat. L. E. Baker. No. 1,254,963; Jan. 29; v. 246; p. 1134.
Spring-seat. A. L. Etherington. No. 1,281,921; Oct. 15; v. 255; p. 553.
Spring-seat. J. Gleeson and J. H. Robinson. No. 1,283,152; Oct. 29; v. 255; p. 956.
Spring-seat. H. E. Knowles. No. 1,285,235; Nov. 19; v. 256; p. 530.
Spring-seat, Cushioned. H. H. Burrows. No. 1,279,510; Sept. 24; v. 254; p. 667.
Spring seat or bed. W. Lewis. No. 1,262,814; Apr. 16; v. 249; p. 572.
Spring-separator. S. G. Edmunds. No. 1,269,799; June 18; v. 251; p. 534.
Spring-shackle. G. H. Hayes. No. 1,277,580; Sept. 3; v. 254; p. 68.
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Spring structure. W. A. Falls. No. 1,270,238; June 18; v. 251; p. 650.
Spring structure. G. A. Franz. No. 1,255,151; Feb. 5; v. 247; p. 11.
Spring structure. C. H. Gail. No. 1,263,548; Apr. 23; v. 249; p. 799.
Spring structure. C. H. Gail. No. 1,276,896; Aug. 27; v. 253; p. 802.
Spring structure. O. R. Hunt. No. 1,260,672; Mar. 26; v. 248; p. 891.
Spring structure. M. Sleeth. No. 1,253,739; Jan. 15; v. 246; p. 731.
Spring structure. W. R. Smith and G. A. Franz. No. 1,287,489; Dec. 10; v. 257; p. 355.
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Spring structure, Covered-. W. B. Foster. No. 1,287,663; Dec. 17; v. 257; p. 431.
Spring structure, Cushion-. W. J. Kelly. No. 1,270,841; July 2; v. 252; p. 25.
Spring-support. J. Klein. No. 1,268,077; May 28; v. 250; p. 975.
Spring suspension. C. M. Aument. No. 1,289,600; Dec. 31; v. 257; p. 958.
Spring suspension. E. S. Bryant and G. R. Couls. No. 1,273,999; July 30; v. 252; p. 1025.
Spring suspension. H. Laughlin, Jr., and C. A. F. Ducorron. No. 1,277,087; Aug. 27; v. 253; p. 854.
Spring suspension. G. F. Voight. No. 1,259,685; Mar. 19; v. 248; p. 569.
Spring suspension for motor-vehicles. V. Lancia. No. 1,281,590; Oct. 15; v. 255; p. 463.
Spring terminal clip. W. Luxmore. No. 1,273,250; July 23; v. 252; p. 784.
Spring-tired wheel. V. Deisenhofer. No. 1,256,526; Feb. 19; v. 247; p. 490.
Spring-wheel. J. M. Allen. No. 1,262,902; Apr. 16; v. 249; p. 597.
Spring-wheel. M. S. de Carmona. No. 1,287,255; Dec. 10; v. 257; p. 299.
Spring-wheel. L. B. Carris. No. 1,285,559; Nov. 19; v. 256; p. 611.
Spring-wheel. L. E. Chapman. No. 1,281,911; Oct. 15; v. 255; p. 550.
Spring-wheel. D. Clinton. No. 1,258,534; Mar. 5; v. 248; p. 170.
Spring-wheel. W. L. Davis. No. 1,260,153; Mar. 19; v. 248; p. 704.
Spring-wheel. F. G. Dawson. No. 1,271,138; July 2; v. 252; p. 108.
Spring-wheel. A. H. Donnally. No. 1,260,880; Mar. 26; v. 248; p. 948.
Spring-wheel. O. A. Eckre. No. 1,259,004; Mar. 12; v. 248; p. 346.
Spring-wheel. J. Erdélyi. No. 1,271,686; July 9; v. 252; p. 295.
Spring-wheel. A. Hallner. No. 1,252,689; Jan. 8; v. 246; p. 394.
Spring-wheel. A. B. Hamilton. No. 1,253,965; Jan. 15; v. 246; p. 794.
Spring-wheel. W. S. Hancock. No. 1,274,877; Aug. 6; v. 253; p. 153.
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Spring-wheel. M. E. Heath. No. 1,255,416; Feb. 5; v. 247; p. 88.
Spring-wheel. E. G. Hill. No. 1,256,018; Feb. 12; v. 247; p. 302.
Spring-wheel. W. S. Holland. No. 1,286,634; Dec. 3; v. 257; p. 110.
Spring-wheel. A. John. No. 1,254,505; Jan. 22; v. 246; p. 969.
Spring-wheel. R. Krause. No. 1,260,403; Mar. 26; v. 248; p. 810.
Spring-wheel. H. E. McCart. No. 1,253,066; Jan. 8; v. 246; p. 506.
Spring-wheel. P. H. McCourt. No. 1,286,369; Dec. 3; v. 257; p. 46.
Spring-wheel. W. M. McQueen. No. 1,261,253; Apr. 2; v. 249; p. 73.
Spring-wheel. M. Million. No. 1,284,416; Nov. 12; v. 256; p. 287.
Spring-wheel. R. T. Morgan. No. 1,276,679; Aug. 20; v. 253; p. 708.
Spring-wheel. W. J. Nist and W. G. Ertel. No. 1,274,190; July 30; v. 252; p. 1078.
Spring-wheel. J. M. Perlman. No. 1,263,463; Apr. 23; v. 249; p. 776.
Spring-wheel. A. Pernula. No. 1,270,199; June 18; v. 251; p. 640.
Spring-wheel. A. A. Reed. No. 1,277,753; Sept. 3; v. 254; p. 118.
Spring-wheel. W. H. Robinson. No. 1,272,852; July 16; v. 252; p. 651.
Spring-wheel. P. A. Sagen. No. 1,287,762; Dec. 17; v. 257; p. 456.
Spring-wheel. W. W. Sonne. No. 1,281,221; Oct. 8; v. 255; p. 331.
Spring-wheel. A. Spiridakis. No. 1,281,865; Oct 15; v. 255; p. 537.
Spring-wheel. J. B. Stewart and J. D. Winfrey. No 1,284,809; Nov. 12; v. 256; p. 383.
Spring-wheel. H. Varble. No. 1,285,480; Nov. 19; v. 256; p. 592.
Spring-wheel. H. W. Watson. No. 1,281,726; Oct. 15; v. 255; p. 499.
Spring-wheel. G. W. Watts. No. 1,256,403; Feb. 12; v. 247; p. 418.
Spring-wheel. W. S. Wills. No. 1,259,697; Mar. 19; v. 248; p. 572.
Spring-wheel. O. G. Worsley. No. 1,281,737; Oct. 15; v. 255; p. 502.
Spring-winding machine. B. P. Hayes. No. 1,267,867; May 28; v. 250; p. 918.

Springs, Compressor or terminal for coil-. A. A. Hansen. No. 1,271,462; July 2; v. 252; p. 197.
Springs, Device for forming eyes on. F. J. Kitowski. No. 1,252,123; Jan. 1; v. 246; p. 200.
Springs in separable fasteners on spring-studs, Machine for assembling or setting the. A. Ruzicka. No. 1,262,099; Apr. 9; v. 249; p. 342.
Springs, Lubrication of laminated. R. W. Maudslay. No. 1,272,290; July 9; v. 252; p. 465.
Springs, Process and apparatus for making. C. Girl and T. J. Fay. No. 1,258,762; Mar. 12; v. 248; p. 275.
Springs, Tool for spreading leaf-. F. Stutzman. No. 1,283,956; Nov. 5; v. 256; p. 136.
Sprinkler: *See*—
Automatic sprinkler. Liquid-sprinkler.
Disappearing sprinkler. Rotary sprinkler.
Lawn-sprinkler.
Sprinkler. W. V. E. Thompson. No. 1,289,962; Dec. 31; v. 257; p. 1046.
Sprinkler-alarm, Automatic. F. A. Howarth and W. W. Armour. No. 1,263,416; Apr. 23; v. 249; p. 762.
Sprinkler-alarm device, Automatic. J. R. Hamilton. No. 1,289,455; Dec. 31; v. 257; p. 922.
Sprinkler apparatus. J. Peterson. No. 1,281,202; Oct. 8; v. 255; p. 327.
Sprinkler apparatus, Automatic. E. L. Thompson. No. 1,287,795; Dec. 17; v. 257; p. 464.
Sprinkler-head. H. H. Buffum. No. 1,255,111; Jan. 29; v. 246; p. 1173.
Sprinkler-head. H. H. Buffum. No. 1,273,818; July 30; v. 252; p. 974.
Sprinkler-head. C. F. Peckham. No. 1,285,354; Nov. 19; v. 256; p. 560.
Sprinkler-head. A. C. Rowley. No. 1,267,907; May 28; v. 250; p. 929.
Sprinkler-head, Automatic. F. J. Fee. No. 1,253,019; Jan. 8; v. 246; p. 492.
Sprinkler-head garden-tool. J. H. Postel. No. 1,264,556; Apr. 30; v. 249; p. 1110.
Sprinkler-head, Heat-insulated. A. J. Loepsinger. No. 1,281,606; Oct. 15; v. 255; p. 468.
Sprinkler-head link. H. H. Buffum. No. 1,278,586; Sept. 10; v. 254; p. 365.
Sprinkler-heads. Link for. F. J. Fee. No. 1,283,127; Oct. 29; v. 255; p. 948.
Sprinkler systems, Alarm-valve for automatic. H. Z. Landon. No. 1,279,883; Sept. 24; v. 254; p. 775.
Sprinklers, Link for. P. Evans. No. 1,283,124; Oct. 29; v. 255; p. 948.
Sprinklers, Strut for automatic. F. A. Howarth and W. W. Armour. No. 1,263,417; Apr. 23; v. 249; p. 762.
Sprinkling apparatus. C. W. Camp. No. 1,275,382; Aug. 13; v. 253; p. 318.
Sprinkling apparatus. J. F. Gildea. No. 1,260,764; Mar. 26; v. 248; p. 918.
Sprinkling or spraying device. B. L. Gifford. No. 1,255,405; Feb. 5; v. 247; p. 84.
Sprinkling-stopper. E. L. Allié. No. 1,257,173; Feb. 19; v. 247; p. 678.
Sprocket. L. J. Johnson. No. 1,257,712; Feb. 26; v. 247; p. 873.
Sprocket. G. S. Lewis. No. 1,251,979; Jan. 1; v. 246; p. 158.
Sprocket, Coasting-. H. E. Van Ness. No. 1,270,570; June 25; v. 251; p. 770.
Sprocket, Compensating. F. W. Schwinn. No. 1,254,542; Jan. 22; v. 246; p. 980.
Sprocket-wheel. P. L. Crowe and A. Frankenheim. No. 1,278,861; Sept. 17; v. 254; p. 468.
Sprocket-wheel. H. S. Pierce. No. 1,256,590; Feb. 19; v. 247; p. 508.
Sprocket-wheel, Driving. P. E. Holt. No. 1,258,606; Mar. 5; v. 248; p. 192.
Sprout-puller. A. B. Riddle. No. 1,272,530; July 16; v. 252; p. 557.
Spudding-machine. C. W. Forker. No. 1,284,636; Nov. 12; v. 256; p. 339.
Sputum-cup holder. H. F. Gordon. No. 1,288,560; Dec. 24; v. 257; p. 678.
Sputum-cup, Sanitary. L. B. Ashby. No. 1,266,758; May 21; v. 250; p. 581.
Square. S. D. Frazier. No. 1,268,230; June 4; v. 251; p. 45.
Square, Adjustable try-. J. M. Zumwalt. No. 1,275,822; Aug. 13; v. 253; p. 439.
Square and bevel. Combination. J. Daujat. No. 1,267,637; May 28; v. 250; p. 853.
Square and bevel, Combination. H. J. J. Gronager. No. 1,255,158; Feb. 5; v. 247; p. 13.
Square and bevel, Combined. W. H. Golding. No. 1,252,797; Jan. 8; v. 246; p. 425.
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Square and protractor, Combination. O. L. Killion. No. 1,255,429; Feb. 5; v. 247; p. 91.
Square, Carpenter's. W. A. Pawson. No. 1,256,827; Feb. 19; v. 247; p. 577.
Square, Combination-. W. Carney and F. C. Chase. No. 1,258,985; Mar. 12; v. 248; p. 340.
Square, Computing-. G. H. White. No. 1,288,331; Dec. 17; v. 257; p. 594.
Square, Folding. T. M. Shea. No. 1,285,811; Nov. 26; v. 256; p. 716.
Square-hole bit. F. Alin. No. 1,258,972; Mar. 12; v. 248; p. 335.
Square-hole-drill cam. G. E. Otis. No. 1,289,243; Dec. 31; v. 257; p. 869.
Square, level, and protractor, Combination. M. A. Costas. No. 1,264,161; Apr. 30; v. 249; p. 999.
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Square-trimming metal articles, Machine for. G. F. Blasier. No. 1,277,367; Sept. 3; v. 254; p. 8.
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Stamping-machine. H. W. Winter. No. 1,282,158; Oct. 22; v. 255; p. 657.
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Stamping-out and marking die, Combined. J. M. and B. Reis. No. 1,283,899; Nov. 5; v. 256; p. 122.
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Stanchion. J. B. Clay. No. 1,282,758; Oct. 29; v. 255; p. 847.
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Stanchion. E. N. Gillham. No. 1,282,214; Oct. 22; v. 255; p. 671.
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- Barrel-stand.
- Basket-stand.
- Boiler-stand.
- Boot-black stand.
- Calendar-pad stand.
- Collapsible stand.
- Combination-stand.
- Display-stand.
- Embalming-stand.
- Engine work-stand.
- Form-stand.
- Horseshoeing-stand.
- Hospital reading-stand.
- Ironing-board stand.
- Lamp-stand.
- Machine-stand.
- Match-stand.
- Milk-jar stand.
- Motor-stand.
- Motor-cycle stand.
- Motor-cycle folding stand.
- Motor-limbering stand.
- Music-stand.
- Musical-instrument stand.
- Oil-cloth stand.
- Pipe-vise stand.
- Pump-stand.
- Reading-stand.
- Repair-stand.
- Sad-iron stand.
- Sewing-machine foldable stand.
- Shoe-shining stand.
- Shoemaker's stand.
- Signal-stand.
- Smoker's stand.
- Soldering-iron stand.
- Supporting-stand.
- Switch-stand.
- Telephone desk-stand.
- Tire-stand.
- Type-writer stand.
- Umbrella and similar stand.
- Vehicle-repair stand.
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- Work-holding stand.
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Stand-pipe system. W. F. Conran. No. 1,253,005; Jan. 8; v. 246; p. 487.
Stand-pipe systems, Fitting for. W. F. Conran. No. 1,275,532; Aug. 13; v. 253; p. 358.
Staple. J. H. Gilbert. No. 1,257,840; Feb. 26; v. 247; p. 911.
Staple-driving machine. J. Doig. No. 1,271,548; July 9; v. 252; p. 256.
Staple extractor or puller. A. Oline. No. 1,269,845; June 18; v. 251; p. 547.
Staple-fastener. C. A. Lindberg. No. 1,264,948; May 7; v. 250; p. 21.
Staple forming and inserting machine. O. Ashton. No. 1,287,607; Dec. 17; v. 257; p. 415.
Staple-puller and wire-splicer, Combination. J. Johnston. No. 1,278,673; Sept. 10; v. 254; p. 388.
Staple-tape. J. W. Giddings. No. 1,289,727; Dec. 31; v. 257; p. 988.
Stapling device. M. R. Hutchison. (Reissue.) No. 14,507; Aug. 20; v. 253; p. 715.
Stapling-machine. W. E. Ellis. No. 1,263,046; Apr. 16; v. 249; p. 638.
Stapling-machine. A. F. Shafer. No. 1,288,704; Dec. 24; v. 257; p. 714.
Stapling of sheets. E. T. Greenfield. No. 1,287,583; Dec. 10; v. 257; p. 379.
Stapling sheets, Machine for. E. T. Greenfield. No. 1,287,584; Dec. 10; v. 257; p. 379.
Starch-cooler. J. B. Adt. No. 1,255,842; Feb. 12; v. 247; p. 251.
Starch, Curing. A. W. H. Lenders. No. 1,260,983; Mar. 26; v. 248; p. 975.
Starch, Producing dustless. A. W. H. Lenders. No. 1,272,682; July 16; v. 252; p. 602.
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Starter. J. A. Williams. No. 1,282,512; Oct. 22; v. 255; p. 753.
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Starting and lighting apparatus. E. M. Fraser. No. 1,289,148; Dec. 31; v. 257; p. 845.
Starting and lighting apparatus. B. M. Leece. No. 1,286,182; Nov. 26; v. 256; p. 806.
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Starting apparatus. O. E. Hunt. No. 1,278,151; Sept. 10; v. 254; p. 248.
Starting-box. R. A. Ilg. No. 1,282,842; Oct. 29; v. 255; p. 871.
Starting device. J. Orr. No. 1,256,156; Feb. 12; v. 247; p. 344.
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Stave-mold. E. H. Singers and R. Loffland. No. 1,285,816; Nov. 26; v. 256; p. 717.
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Stay-applying machines, Feeding device for. H. De Smith. No. 1,263,536; Apr. 23; v. 249; p. 796.
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Stay-bolt-inspection port. I. D. Siegfried. No. 1,264,695; Apr. 30; v. 249; p. 1148.
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Stay-bolt structure, Boiler-. J. R. Flannery and E. I. Dodds. No. 1,268,826; June 11; v. 251; p. 233.
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Stay-bolts, Manufacture of boiler. J. R. Flannery and E. I. Dodds. No. 1,268,951; June 11; v. 251; p. 267.
Stay, Concrete-form. P. F. Ramm and H. Nelsen. No. 1,259,442; Mar. 12; v. 248; p. 469.
Stay-machine. J. F. Calahan. No. 1,272,773; July 16; v. 252; p. 628.
Stay-strap, Adjustable. J. L. Workman. No. 1,263,504; Apr. 23; v. 249; p. 788.
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Stays, Machine for making garment-. F. L. O. Wadsworth. No. 1,254,455; Jan. 22; v. 246; p. 955.
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Staying-machines or the like, Safety device for. C. F. Root. No. 1,286,419; Dec. 3; v. 257; p. 58.
Steam and the heating of liquids, Generation of. P. S. Kirke. No. 1,279,710; Sept. 24; v. 254; p. 724.
Steam, Apparatus for the generation of. P. E. Tucker. No. 1,270,990; July 2; v. 252; p. 68.
Steam-boiler. I. Harter, Jr. No. 1,280,996; Oct. 8; v. 255; p. 268.
Steam-boiler. D. S. Jacobus. No. 1,252,444; Jan. 8; v. 246; p. 323.
Steam-boiler. D. S. Jacobus. No. 1,267,078; May 21; v. 250; p. 670.
Steam-boiler. D. S. Jacobus. No. 1,272,667; July 16; v. 252; p. 597.
Steam-boiler. D. S. Jacobus. No. 1,280,745; Oct. 8; v. 255; p. 200.
Steam-boiler. P. Kestner. No. 1,270,621; June 25; v. 251; p. 783.
Steam-boiler. T. T. Parker. No. 1,259,660; Mar. 19; v. 248; p. 562.
Steam-boiler. T. J. Parker. No. 1,274,759; Aug. 6; v. 253; p. 119.
Steam-boiler. A. D. Pratt. No. 1,267,114; May 21; v. 250; p. 680.
Steam-boiler. E. de Strens. No. 1,268,549; June 4; v. 251; p. 136.
Steam-boiler. R. A. Whittingham. No. 1,259,945; Mar. 19; v. 248; p. 647.
Steam-boiler and appliances. C. W. Crowell. No. 1,270,017; June 18; v. 251; p. 593.
Steam-boiler-economizer plant. D. S. Jacobus. No. 1,289,182; Dec. 31; v. 257; p. 853.
Steam-boiler, Water-tube. C. E. Ward. No. 1,262,145; Apr. 9; v. 249; p. 355.
Steam-boilers, &c., Control apparatus for. W. S. Elliott. No. 1,281,316; Oct. 15; v. 255; p. 389.
Steam-check. L. E. Graiziger. No. 1,259,851; Mar. 19; v. 248; p. 619.
Steam-condensing apparatus. A. W. Fischer. No. 1,284,080; Nov. 5; v. 256; p. 170.
Steam-condensing system. J. D. Hawley. No. 1,282,080; Oct. 22; v. 255; p. 634.
Steam-engine. B. T. Allen. No. 1,278,818; Sept. 17; v. 254; p. 457.
Steam-engine. J. C. Gaskill. No. 1,283,145; Oct. 29; v. 255; p. 953.
Steam-engine. M. E. Neal. No. 1,276,681; Aug. 20; v. 253; p. 708.
Steam from the heat contained in slags, Generation of. C. Vautin. No. 1,264,229; Apr. 30; v. 249; p. 1019.
Steam-generating apparatus. J. F. Dornfeld. No. 1,256,779; Feb. 19; v. 247; p. 563.
Steam-generator. W. E. Bellion. No. 1,274,233; July 30; v. 252; p. 1091.
Steam-generator. T. Cliff and A. E. Arbuckle. No. 1,279,514; Sept. 24; v. 254; p. 668.
Steam-generator. L. E. Connelly. No. 1,266,664; May 21; v. 250; p. 555.
Steam-generator. J. P. Fisher. No. 1,273,596; July 23; v. 252; p. 877.
Steam-generator. H. A. Gates. No. 1,288,557; Dec. 24; v. 257; p. 678.
Steam-generator. E. A. Geoghegan. No. 1,261,380; Apr. 2; v. 249; p. 111.
Steam-generator. E. Harrison. No. 1,255,602; Feb. 5; v. 247; p. 141.
Steam-generator. R. L. Naugle. No. 1,275,290; Aug. 13; v. 253; p. 291.
Steam-generator. J. F. Otis. No. 1,257,519; Feb. 26; v. 247; p. 815.
Steam-generator. A. W. Shidler. No. 1,280,318; Oct. 1; v. 255; p. 57.
Steam-generator. J. and A. Steffenson. No. 1,282,136; Oct. 22; v. 255; p. 651.
Steam-generator. A. A. E. Sterzing. No. 1,275,492; Aug. 13; v. 253; p. 346.
Steam-generator, Internal-combustion. F. M. Patterson. No. 1,253,522; Jan. 15; v. 246; p. 668.
Steam-generator, Slag-heated. U. Wedge. No. 1,267,022; May 21; v. 250; p. 654.

Steam-generators, Means for promoting circulation of the fluid in. H. W. E. Josling. No. 1,278,478; Sept. 10; v. 254; p. 334.
Steam hydraulic elevator. E. B. and W. H. Ridgway. No. 1,260,057; Mar. 19; v. 248; p. 679.
Steam-laundry purposes, Economic automatic stripper for. L. Borger. No. 1,282,741; Oct. 29; v. 255; p. 842.
Steam-separating apparatus. J. E. Sharp. No. 1,284,793; Nov. 12; v. 256; p. 379.
Steam-shovel. E. J. Armstrong. No. 1,260,295; Mar. 26; v. 248; p. 778.
Steam-shovel. E. J. Moynihan. No. 1,282,453; Oct. 22; v. 255; p. 736.
Steam-shovel and the like. E. J. Armstrong. No. 1,258,974; Mar. 12; v. 248; p. 336.
Steam-shovel and the like. C. B. Weston. No. 1,258,285; Mar. 5; v. 248; p. 97.
Steam-shovel bucket. W. G. Wood. No. 1,287,165; Dec. 10; v. 257; p. 277.
Steam-shovel dipper and handle. E. J. Moynihan. No. 1,285,318; Nov. 19; v. 256; p. 551.
Steam-shovel-operating mechanism. F. W. Schmithals. No. 1,286,426; Dec. 3; v. 257; p. 59.
Steam-superheater. T. T. Parker. No. 1,283,550; Nov. 5; v. 256; p. 29.
Steam-trap. C. H. Atkins. No. 1,287,177; Dec. 10; v. 257; p. 280.
Steam-trap. T. L. Douglass. No. 1,256,299; Feb. 12; v. 247; p. 386.
Steam-trap. L. R. Mertens. No. 1,285,772; Nov. 26; v. 256; p. 705.
Steam-trap. L. R. Mertens and G. Binder. No. 1,285,771; Nov. 26; v. 256; p. 705.
Steam-trap. F. E. Pendleton. No. 1,280,828; Oct. 8; v. 255; p. 224.
Steam-trap. T. G. Rakestraw. No. 1,252,720; Jan. 8; v. 246; p. 404.
Steam-trap. T. G. and A. E. Rakestraw. No. 1,281,835; Oct. 15; v. 255; p. 529.
Steam-trap. F. C. Stanford. No. 1,263,479; Apr. 23; v. 249; p. 781.
Steam-trap. F. C. Stanford. No. 1,263,480; Apr. 23; v. 249; p. 781.
Steam-trap. C. Stickle. No. 1,256,275; Feb. 12; v. 247; p. 380.
Steam-trap and valve mechanism therefor. J. Sabin. No. 1,259,909; Mar. 19; v. 248; p. 635.
Steam-trap and valve therefor. F. A. Littlefield. No. 1,272,470; July 16; v. 252; p. 541.
Steamer, Yarn-. W. Hoffman. No. 1,266,265; May 14; v. 250; p. 414.
Steaming apparatus, Wood-. F. Schreibman. No. 1,261,445; Apr. 2; v. 249; p. 129.
Steel. P. R. Kuehnrich. No. 1,277,431; Sept. 3; v. 254; p. 28.
Steel, Alloy. C. H. Wills. No. 1,278,082; Sept. 3; v. 254; p. 204.
Steel and similar metals, Composition for hardening. Z. T. Clark. No. 1,253,786; Jan. 15; v. 246; p. 744.
Steel articles, Carbonizing material for. R. R. Abbott. No. 1,265,158; May 7; v. 250; p. 79.
Steel band, Spring-. W. R. Springer. No. 1,278,779; Sept. 10; v. 254; p. 417.
Steel bars, Mechanism for breaking. C. A. Glover. No. 1,284,312; Nov. 12; v. 256; p. 260.
Steel, Chrome-. C. H. Wills. No. 1,288,344; Dec. 17; v. 257; p. 598.
Steel direct from iron ores, Manufacture of. L. T. Grouselle. No. 1,284,094; Nov. 5; v. 256; p. 173.
Steel fulcrums, Forging. L. L. Whitney. No. 1,280,600; Oct. 1; v. 255; p. 136.
Steel, Guitar-. B. N. Campton. No. 1,280,959; Oct. 8; v. 255; p. 258.
Steel, Hardening. J. W. Gilbert. No. 1,275,242; Aug. 13; v. 253; p. 279.
Steel, Hawaiian guitar-. C. J. Russell. No. 1,280,858; Oct. 8; v. 255; p. 233.
Steel helmet. L. Soren. No. 1,280,322; Oct. 1; v. 255; p. 59.
Steel into shell-blanks, Machine for breaking. F. Smallwood. No. 1,276,278; Aug. 20; v. 253; p. 597.
Steel manufacture. S. S. Wales. No. 1,282,660; Oct. 22; v. 255; p. 793.
Steel, Manufacture of open-hearth. H. C. Ryding and A. W. Allen. No. 1,289,057; Dec. 24; v. 257; p. 798.
Steel process. F. T. Snyder. No. 1,254,078; Jan. 22; v. 246; p. 847.
Steel process, Open-hearth. C. H. Elliott and E. T. McCleary. No. 1,266,928; May 21; v. 250; p. 628.
Steel, Producing wrought shapes of manganese. W. S. Potter. No. 1,278,207; Sept. 10; v. 254; p. 263.
Steel-puller. M. S. Runsvold. No. 1,286,422; Dec. 3; v. 257; p. 59.
Steel shapes, Treating. J. Brunner. No. 1,277,372; Sept. 3; v. 254; p. 10.
Steel, Spring-. C. H. Wills. No. 1,288,345; Dec. 17; v. 257; p. 598.
Steel-tape cleaner. H. Jones. No. 1,265,339; May 7; v. 250; p. 127.
Steel tie. J. L. Kimball. No. 1,271,040; July 2; v. 252; p. 82.
Steel vehicle-wheel, Pressed-. J. S. Culp. No. 1,285,630; Nov. 26; v. 256; p. 669.
Steel wheel, Pressed-. W. E. Williams. No. 1,279,198; Sept. 17; v. 254; p. 558.
Steels, Heat treatment of castings of special. F. Giolitti. No. 1,279,533; Sept. 24; v. 254; p. 673.
Steering-apparatus indicators, Operating mechanism for. G. S. Rodd. No. 1,274,199; July 30; v. 252; p. 1081.
Steering apparatus, Locking mechanism for. E. and G. Westfall. No. 1,277,800; Sept. 3; v. 254; p. 131.
Steering-axle, Cushioned. L. Troxler. No. 1,287,143; Dec. 10; v. 257; p. 271.
Steering boats, Means for. W. S. Eklund. No. 1,257,825; Feb. 26; v. 247; p. 905.
Steering-columns, Combination-lock for. A. Drew. No. 1,261,791; Apr. 9; v. 249; p. 259.
Steering device. A. Anderson. No. 1,256,283; Feb. 12; v. 247; p. 383.
Steering device. B. M. Bolser. No. 1,276,318; Aug. 20; v. 253; p. 608.
Steering device. R. M. La Salle. No. 1,266,284; May 14; v. 250; p. 419.
Steering device, Emergency. W. A. Metzler. No. 1,264,320; Apr. 30; v. 249; p. 1043.
Steering device, Safety. F. M. Ross. No. 1,265,522; May 7; v. 250; p. 178.
Steering-gear. G. W. Bulley. No. 1,277,189; Aug. 27; v. 253; p. 882.
Steering-gear. E. Gruenfeldt. No. 1,272,800; July 16; v. 252; p. 635.
Steering-gear. W. R. Hewitt. No. 1,266,944; May 21; v. 250; p. 632.
Steering-gear attachment. M. C. Bright. No. 1,271,537; July 9; v. 252; p. 252.
Steering-gear attachment. J. E. Dilger. No. 1,251,875; Jan. 1; v. 246; p. 130.
Steering-gear coupling. J. H. Fennessy. No. 1,264,042; Apr. 23; v. 249; p. 933.
Steering-gear lock. M. M. Mueller. No. 1,261,151; Apr. 2; v. 249; p. 45.
Steering-gear lock. G. A. Slough. No. 1,288,715; Dec. 24; v. 257; p. 717.
Steering-gear lock, Automatic. N. B. Woodhead. No. 1,262,896; Apr. 16; v. 249; p. 595.
Steering-gear lock for autovehicles. W. F. Holt. No. 1,262,796; Apr. 16; v. 249; p. 568.
Steering-gear lock, Motor-vehicle. M. Fisher. No. 1,262,656; Apr. 16; v. 249; p. 527.
Steering-gear-locking mechanism. J. L. Cook. No. 1,265,057; May 7; v. 250; p. 52.
Steering-gears, Antirattling joint for. N. A. Locke. No. 1,278,362; Sept. 10; v. 254; p. 305.
Steering-head lock. A. L. Patterson. No. 1,287,089; Dec. 10; v. 257; p. 257.
Steering-knuckle. O. H. Rogers. No. 1,272,534; July 16; v. 252; p. 558.
Steering mechanism. E. T. and W. E. Cox. No. 1,268,933; June 11; v. 251; p. 262.
Steering mechanism. H. T. Hazard. No. 1,271,706; July 9; v. 252; p. 300.
Steering mechanism. E. H. Oversmith. No. 1,252,610; Jan. 8; v. 246; p. 372.
Steering mechanism. E. E. West. No. 1,265,563; May 7; v. 250; p. 188.
Steering mechanism for three-wheeled vehicles. N. Spanovic. No. 1,283,942; Nov. 5; v. 256; p. 132.
Steering mechanism, Furrow-wheel-. H. F. Boyens. No. 1,252,228; Jan. 1; v. 246; p. 227.
Steering mechanism, Headlight-. W. H. Shannon and J. H. Bogard. No. 1,272,542; July 16; v. 252; p. 560.
Steering-mechanism lock. M. M. Mueller. No. 1,252,362; Jan. 1; v. 246; p. 264.
Steering mechanism, Safety. G. Van Tassel. No. 1,269,136; June 11; v. 251; p. 318.
Steering mechanisms, Attachment for. L. D. Saxton. No. 1,276,121; Aug. 20; v. 253; p. 554.
Steering reach-rod. C. Greene. No. 1,272,033; July 9; v. 252; 393.
Steering-shaft transmission. P. B. Wohlrab. No. 1,251,722; Jan. 1; v. 246; p. 83.
Steering trailer, Self-. W. L. Dahl. No. 1,285,059; Nov. 19; v. 256; p. 485.
Steering-wheel. C. N. Allerding. 1,271,257; July 2; v. 252; p. 143.
Steering-wheel. L. M. Cooper. No. 1,255,136; Feb. 5; v. 247; p. 7.
Steering-wheel. R. Harroun. No. 1,280,724; Oct. 8; v. 255; p. 195.
Steering-wheel. G. W. Hower. No. 1,262,194; Apr. 9; v. 249; p. 370.
Steering-wheel. R. T. Newton. No. 1,276,797; Aug. 27; v. 253; p. 777.
Steering-wheel. H. Lohman. No. 1,264,312; Apr. 30; v. 249; p. 1041.
Steering-wheel. J. W. Markham. No. 1,255,199; Feb. 5; v. 247; p. 25.
Steering-wheel. S. O. White. No. 1,259,182; Mar. 12; v. 248; p. 397.
Steering-wheel and indicator, Combined. I. G. Woody. No. 1,273,440; July 23; v. 252; p. 834.
Steering-wheel, Folding. A. C. Sincare. No. 1,268,505; June 4; v. 251; p. 124.

Steering-wheel for motor-vehicles, Power-driven. L. P. Biggers. No. 1,264,147; Apr. 30; v. 249; p. 994.
Steering-wheel, Hand. F. E. Saint Clair. No. 1,262,392; Apr. 9; v. 249; p. 425.
Steering-wheel heater. W. P. Barton. No. 1,269,776; June 18; v. 251; p. 528.
Steering-wheel lock. T. A. Smith. No. 1,265,540; May 7; v. 250; p. 182.
Steering-wheel lock for motor-driven vehicles. P. Szydlowski. No. 1,267,476; May 28; v. 250; p. 806.
Steering-wheel lock for motor-vehicles. R. B. Hastings. No. 1,260,283; Mar. 19; v. 248; p. 741.
Steering-wheel lock, Motor-vehicle-. B. Harrington and A. W. Clarke. No. 1,266,015; May 14; v. 250; p. 345.
Steering-wheel-locking device. M. F. Grimm. No. 1,266,935; May 21; v. 250; p. 630.
Steering-wheel-locking means. J. H. Sager. No. 1,270,058; June 18; v. 251; p. 603.
Steering-wheel, Pivoted. A. C. Sincare. No. 1,268,506; June 4; v. 251; p. 124.
Steering-wheel, Shiftable. P. L. Hussey. No. 1,259,100; Mar. 12; v. 248; p. 373.
Steering-wheel, Shiftable. E. H. Vincent. No. 1,269,341; June 11; v. 251; p. 376.
Steering-wheel, Shiftable. E. H. Vincent. No. 1,272,581; July 16; v. 252; p. 573.
Steering-wheel, Tilting. F. R. Kissling. No. 1,285,737; Nov. 26; v. 256; p. 696.
Stencil. G. J. Evans. No. 1,276,194; Aug. 20; v. 253; p. 575.
Stencil. G. S. Racklyeft. No. 1,254,354; Jan. 22; v. 246; p. 926.
Stencil-cards, Structure for use in making. E. D. Belknap. No. 1,256,510; Feb. 19; v. 247; p. 486.
Stencil-feeding mechanism. J. Huneke. No. 1,281,014; Oct. 8; v. 255; p. 273.
Stencil for sand-blast etching. O. G. Becher. No. 1,265,989; May 14; v. 250; p. 338.
Stencil-holder. G. J. Evans. No. 1,274,864; Aug. 6; v. 253; p. 149.
Stencil-mount. W. R. Eimer. No. 1,265,632; May 7; v. 250; p. 206
Stencil-producing plate. L. Lewis. No. 1,286,363; Dec. 3; v. 257; p. 44.
Stencil-sheet. J. A. Ambler. No. 1,288,792; Dec. 24; v. 257; p. 735.
Stencil-sheet for hand-stamps. B. P. Evans and A. M. Fisher. No. 1,272,242; July 9; v. 252; p. 451.
Stenciling. W. G. Fuerth. No. 1,289,725; Dec. 31; v. 257; p. 988.
Stenciling device, Bulb-. O. Winston. No. 1,258,289; Mar. 5; v. 248; p. 99.
Stenciling device, Bulb-. O. Winston. No. 1,258,290; Mar. 5; v. 248; p. 99.
Stenciling device, Bulb-. O. Winston. No. 1,258,291; Mar. 5; v. 248; p. 99.
Stenciling device, Bulb-. O. Winston. No. 1,258,292; Mar. 5; v. 248; p. 99.
Stenciling device, Bulb-. O. Winston. No. 1,258,293; Mar. 5; v. 248; p. 100.
Stenographer's note-book holder. P. Pratt. No. 1,271,219; July 2; v. 252; p. 133.
Step, Collapsible. N. J. Beckner. No. 1,266,762; May 21; v. 250; p. 582.
Step-ladder, Extension. C. and C. C. Kloepfer. No. 1,283,212; Oct. 29; v. 255; p. 971.
Steps, Metal. P. Kass. No. 1,256,905; Feb. 19; v. 247; p. 601.
Stereopticon. F. Schwanhausser. No. 1,260,462; Mar. 26; v. 248; p. 827.
Stereopticon-slide. J. D. Scott. No. 1,273,190; July 23; v. 252; p. 769.
Stereoscope. H. N. Clarke. No. 1,252,089; Jan. 1; v. 246; p. 190.
Stereoscope. J. L. Disney. No. 1,257,327; Feb. 26; v. 247; p. 759.
Stereoscope, Refracting-. R. H. Wappler. No. 1,269,663; June 18; v. 251; p. 495.
Stereoscopic apparatus. L. J. E. Colardeau and J. Richard. No. 1,256,774; Feb. 19; v. 247; p. 562.
Stereoscopic device, Multicolor. A. Allen, J. J. Murphy, and H. A. Willard. No. 1,281,746; Oct. 15; v. 255; p. 504.
Stereoscopic projecting-machine. J. Henley. No. 1,284,673; Nov. 12; v. 256; p. 349.
Stereotype-plate-casting apparatus, Flat-. C. E. Hopkins. No. 1,287,998; Dec. 17; v. 257; p. 514.
Stereotype-plate-casting apparatus, Flat-. C. E. Hopkins. No. 1,287,999; Dec. 17; v. 257; p. 514.
Stereotype-plate-casting machine, Multiple-. H. A. W. Wood. No. 1,266,739; May 21; v. 250; p. 576.
Stereotype-plate-finishing apparatus. H. F. Bechman. No. 1,255,279; Feb. 5; v. 247; p. 47.
Stereotype-plate-finishing machine. H. A. W. Wood. No. 1,281,115; Oct. 8; v. 255; p. 301.
Stereotype-plate-finishing mechanism. H. A. W. Wood. No. 1,259,948; Mar. 19; v. 248; p. 648.
Stereotype-plate-making machine, Curved-. C. E. Hopkins. No. 1,284,193; Nov. 5; v. 256; p. 199.
Stereotype-plates, Casting-box for flat. C. E. Hopkins. No. 1,288,414; Dec. 17; v. 257; p. 614.
Stereotype-plates, Gravity shaving and cooling machine for. H. A. W. Wood. No. 1,281,116; Oct. 8; v. 255; p. 302.
Stereotype-plates, Machine for casting. C. Winkler. No. 1,258,516; Mar. 5; v. 248; p. 165.
Stereotype-plates, Machine for cooling. H. A. W. Wood. No. 1,269,240; June 11; v. 251; p. 348.
Stereotype-plates, Machine for finishing and cooling. H. A. W. Wood. No. 1,269,239; June 11; v. 251; p. 348.
Stereotype printing-plates, Machine for casting curved. C. E. Hopkins. No. 1,288,001; Dec. 17; v. 257; p. 515.
Stereotype printing-plates, Machine for making. C. E. Hopkins. No. 1,268,463; June 4; v. 251; p. 113.
Stereotype printing-plates, Machine for making. C. E. Hopkins. No. 1,288,000; Dec. 17; v. 257; p. 515.
Stereotypes, Machine for casting and finishing curved. C. E. Hopkins. No. 1,286,324; Dec. 3; v. 257; p. 34.
Stereotyping. R. C. Annand. No. 1,286,490; Dec. 3; v. 257; p. 76.
Stereotyping and means for supplying metal thereto, Mold for. H. A. W. Wood. No. 1,266,740; May 21; v. 250; p. 576.
Stereotyping-mat compound, Viscous. R. W. Coffee. No. 1,276,492; Aug. 20; v. 253; p. 658.
Sterilizer. H. Baehr. No. 1,270,095; June 18; v. 251; p. 612.
Sterilizer. O. Barta. No. 1,286,914; Dec. 10; v. 257; p. 213.
Sterilizer. J. O. Halverson and A. A. Dekum. No. 1,275,676; Aug. 13; v. 253; p. 398.
Sterilizer. R. Hoffman. No. 1,258,902; Mar. 12; v. 248; p. 316.
Sterilizer. W. G. Holmes. No. 1,252,571; Jan. 8; v. 246; p. 361.
Sterilizer. W. G. Holmes. No. 1,252,572; Jan. 8; v. 246; p. 362.
Sterilizer. W. H. Ripley. No. 1,266,052; May 14; v. 250; p. 355.
Sterilizer. W. B. Underwood. No. 1,267,716; May 28; v. 250; p. 874.
Sterilizing apparatus. R. E. Case. No. 1,277,378; Sept. 3; v. 254; p. 12.
Sterilizing apparatus. G. H. Cloud. No. 1,277,387; Sept. 3; v. 254; p. 15.
Sterilizing-instrument case, Automatic. F. C. Dudley. No. 1,280,687; Oct. 8; v. 255; p. 185.
Sterilizing liquids. M. von Recklinghausen, A. Helbronner, and V. Henri. No. 1,271,246; July 2; v. 252; p. 140.
Sterilizing liquids. L. M. Wood. No. 1,278,278; Sept. 10; v. 254; p. 283.
Sterilizing method. A. Jensen. No. 1,276,659; Aug. 20; v. 253; p. 703.
Sterilizing water by means of ozone, Apparatus for. L. H. E. Bégot. No. 1,264,360; Apr. 30; v. 249; p. 1054.
Stethoscope, Fixed selective. F. E. Miller. No. 1,282,908; Oct. 29; v. 255; p. 889.
Stick or scarf pin. A. Gartner. No. 1,256,470; Feb. 12; v. 247; p. 437.
Stiffener for cans. J. M. Hothersall. No. 1,281,377; Oct. 15; v. 255; p. 407.
Still, Crude-oil. T. E. Murray. No. 1,273,523; July 23; v. 252; p. 857.
Still for crude bituminous materials. C. P. Price. No. 1,273,091; July 16; v. 252; p. 716.
Still, Nicotin-. C. E. Anderson. No. 1,277,817; Sept. 3; v. 254; p. 135.
Still or retort. H. MacRae. No. 1,268,742; June 4; v. 251; p. 189.
Still, Pressure-. J. J. Curran. No. 1,255,714; Feb. 5; v. 247; p. 173.
Stills, boilers, and the like, Electrical apparatus for heating. C. O. Lorenz. No. 1,262,072; Apr. 9; v. 249; p. 334.
Stilt. H. D. Flegel. No. 1,264,047; Apr. 23; v. 249; p. 934.
Stippling apparatus. O. Willberg. No. 1,256,757; Feb. 19; v. 247; p. 556.
Stirrup, Safety-. G. Kall. No. 1,276,540; Aug. 20; v. 253; p. 670.
Stirrup, Safety-. S. Sklar. No. 1,276,819; Aug. 27; v. 253; p. 783.
Stirrup-strap clip. E. C. Webb. No. 1,279,051; Sept. 17; v. 254; p. 520.
Stitch and making same, Knotted. W. F. Lautenschlager. No. 1,284,911; Nov. 12; v. 256; p. 410.
Stitches, Forming. C. E. Myers. No. 1,252,150; Jan. 1; v. 246; p. 207.
Stitches, Machine for making hand buttonhole-. J. Forman. No. 1,269,415; June 11; v. 251; p. 395.
Stitcher machine, Book-. E. Craig. No. 1,253,354; Jan. 15; v. 246; p. 620.
Stitchers and like machines, Automatic feeding mechanism for wire-. A. H. Maynard. No. 1,275,960; Aug. 13; v. 253; p. 477.
Stitching gas-mantles, Machine for. J. Partmann and S. Balada. No. 1,260,023; Mar. 19; v. 248; p. 670.
Stitching-machine attachment, Shoe-. F. E. Brown. No. 1,272,910; July 16; v. 252; p. 668.
Stitching machine, Wire-. A. H. Maynard. No. 1,252,011; Jan. 1; v. 246; p. 167.

Stitching machine, Wire-. J. W. Nasmith. No. 1,267,892; May 28; v. 250; p. 925.
Stitching machines, Guard for shoe-. F. Ashworth. No. 1,253,331; Jan. 15; v. 246; p. 612.
Stitching machines, Work-guide for wire-. A. H. Maynard. No. 1,272,694; July 16; v. 252; p. 606.
Stitching shoe-uppers to sole-lips, Machine for. F. Zaleski and A. R. Schoenky. No. 1,288,366; Dec. 17; v. 257; p. 602.
Stitching tape to innersoles, Machine for. F. T. Ströbeck. No. 1,265,399; May 7; v. 250; p. 145.
Stock and other shipments, Record for live-. G. H. Lloyd. No. 1,277,325; Aug. 27; v. 253; p. 916.
Stock, Applicator for live. G. D. May. No. 1,269,725; June 18; v. 251; p. 513.
Stock cleaner, Fibrous-. W. S. Kinsley. No. 1,256,573; Feb. 19; v. 247; p. 503.
Stock-feeding device for cutting-off machines. G. Gorton. No. 1,284,652; Nov. 12; v. 256; p. 343.
Stock-guard, Automatic. D. T. Warren. No. 1,287,533; Dec. 10; v. 257; p. 366.
Stock-handling machine. E. E. Winkley. No. 1,280,349; Oct. 1; v. 255; p. 66.
Stock-indicator. F. Baylay. No. 1,269,151; June 11; v. 251; p. 323.
Stock-tag. A. Byrd. No. 1,282,750; Oct. 29; v. 255; p. 845.
Stock-rack, Adjustable. E. A. Feldtkeller. No. 1,282,557; Oct. 22; v. 255; p. 765.
Stock-tank. E. Schreier. No. 1,272,720; July 16; v. 252; p. 613.
Stock-tank heater. O. Subby. No. 1,279,934; Sept. 24; v. 254; p. 790.
Stock water-heater. C. E. Waddill. No. 1,288,310; Dec. 17; v. 257; p. 590.
Stock-watering device. R. H. Bloomer. No. 1,281,758; Oct. 15; v. 255; p. 507.
Stocking. A. M. Roedelheim. No. 1,278,220; Sept. 10; v. 254; p. 266.
Stocking and making the same. R. W. Scott. No. 1,256,834; Feb. 19; v. 247; p. 579.
Stocking-stretcher. W. E. McCarthy. No. 1,284,738; Nov. 12; v. 256; p. 365.
Stockings, Singeing. C. S. Althouse. No. 1,269,148; June 11; v. 251; p. 322.
Stoker. W. A. Casler. No. 1,263,035; Apr. 16; v. 249; p. 635.
Stoker. J. S. S. Fulton. No. 1,285,671; Nov. 26; v. 256; p. 679.
Stoker. W. H. Haas. No. 1,273,481; July 23; v. 252; p. 846.
Stoker-bridge. P. L. Crowe. No. 1,262,647; Apr. 16; v. 249; p. 525.
Stoker-bridge. P. L. Crowe. No. 1,264,902; May 7; v. 250; p. 8.
Stoker, Chain-grate. W. W. Holland, J. R. Carringer, and W. Bacheldor. No. 1,268,845; June 11; v. 251; p. 238.
Stoker driving mechanism. M. Alpern. No. 1,271,649; July 9; v. 252; p. 285.
Stoker feed mechanism. D. F. Crawford. No. 1,258,397; Mar. 5; v. 248; p. 130.
Stoker, Locomotive-. M. Alpern. No. 1,277,352; Sept. 3; v. 254; p. 4.
Stoker, Locomotive-. E. Pierce. No. 1,277,641; Sept. 3; v. 254; p. 86.
Stoker, Mechanical. A. G. Elvin, A. B. Fahnestock and F. H. Clark. No. 1,267,644; May 28; v. 250; p. 855.
Stoker, Mechanical. H. E. Kieffel. No. 1,270,171; June 18; v. 251; p. 633.
Stoker, Mechanical. F. W. Martin. No. 1,267,681; May 28; v. 250; p. 864.
Stoker mechanism, Automatic. N. M. Lower. No. 1,259,643; Mar. 19; v. 248; p. 557.
Stoker, Self-feeding. R. S. Riley. No. 1,284,929; Nov. 12; v. 256; p. 414.
Stokers, Fuel-transfer mechanism for. N. E. Gee. No. 1,276,642; Aug. 20; v. 253; p. 699.
Stokers, Hopper for automatic. J. S. S. Fulton. No. 1,278,325; Sept. 10; v. 254; p. 295.
Stoking apparatus. J. H. Cooper. No. 1,264,369; Apr. 30; v. 249; p. 1057.
Stoking mechanism. H. L. Moore. No. 1,267,439; May 28; v. 250; p. 797.
Stone-cutting machine. O. W. Krum. No. 1,287,346; Dec. 10; v. 257; p. 321.
Stone-cutting tool. J. Hope. No. 1,282,424; Oct. 22; v. 255; p. 729.
Stone, Edge-protector for artificial. W. E. Ficklen. No. 1,257,686; Feb. 26; v. 247; p. 864.
Stone-gatherer. C. C. Corey. No. 1,274,244; July 30; v. 252; p. 1094.
Stone-gatherer. J. Plantiko. No. 1,253,094; Jan. 8; v. 246; p. 514;
Stone, Machine for molding artificial. R. E. Schwarz. No. 1,253,730; Jan. 15; v. 246; p. 728.
Stone, Making artificial. P. M. Sharples. No. 1,273,547; July 23; v. 252; p. 863.
Stone-picking machine. D. R. Fitz Simons. No. 1,263,658; Apr. 23; v. 249; p. 828.
Stone-puller. E. Gauthier. No. 1,266,674; May 21; v. 250; p. 558.

Stone-sawing machine. D. W. Parker. No. 1,263,461; Apr. 23; v. 249; p. 775.
Stone-splitting tool. T. Larney. No. 1,266,282; May 14; v. 250; p. 419.
Stones, Manufacture of metal-coated artificial. H. Welte. No. 1,258,282; Mar. 5; v. 248; p. 97.
Stooker. A. George. No. 1,257,993; Mar. 5; v. 248; p. 13.
Stooking-machine. D. Bushby. No. 1,254,202; Jan. 22; v. 246; p. 882.
Stool. O. A. Harris. No. 1,270,729; June 25; v. 251; p. 810.
Stool. J. W. Reck. No. 1,265,516; May 7; v. 250; p. 176.
Stool. L. B. Self. No. 1,288,699; Dec. 24; v. 257; p. 713.
Stool and milk-pail, Combined. F. Von Marbod. No. 1,259,323; Mar. 12; v. 248; p. 435.
Stool and stand, Shop. S. A. Hawthorne. No. 1,262,339; Apr. 9; v. 249; p. 409.
Stool, Camp-. W. R. Leigh. No. 1,284,377; Nov. 12; v. 256; p. 276.
Stool, Folding. J. S. Bachtel. No. 1,285,580; Nov. 26; v. 256; p. 657.
Stool, Folding. B. F. Livingston. No. 1,287,365; Dec. 10; v. 257; p. 326.
Stool, Folding camp-. G. R. Stine. No. 1,258,495; Mar. 5; v. 248; p. 158.
Stool, Milking-. H. T. McKee. No. 1,277,233; Aug. 27; v. 253; p. 893.
Stool, Scrubbing-. E. Mattison. No. 1,280,059; Sept. 24; v. 254; p. 823.
Stop. G. D. Godwin. No. 1,259,847; Mar. 19; v. 248; p. 618.
Stop, Adjustable. D. Isbell. No. 1,264,803; Apr. 30; v. 249; p. 1176.
Stop-adjuster, Automatic. O. H. Paddock. No. 1,255,564; Feb. 5; v. 247; p. 131.
Stop-casting. G. A. Johnson. No. 1,259,994; Mar. 19; v. 248; p. 661.
Stop-casting. J. F. O'Connor. No. 1,261,599; Apr. 2; v. 249; p. 172.
Stop mechanism. J. F. Hitchcock. No. 1,268,008; May 28; v. 250; p. 957.
Stop mechanism. A. M. Sosa and W. P. Winters. No. 1,280,571; Oct. 1; v. 255; p. 127.
Stop-motion. J. Kiewicz. No. 1,285,222; Nov. 19; v. 256; p. 527.
Stop-motion. W. Larkin. No. 1,269,464; June 11; v. 251; p. 408.
Stop-motion. W. Larkin. No. 1,288,056; Dec. 17; v. 257; p. 529.
Stop-motion. W. O. Taylor. No. 1,254,086; Jan. 22; v. 246; p. 850.
Stop-motion apparatus. A. F. Waldow. No. 1,271,964; July 9; v. 252; No. 371.
Stop-motion, Comber. F. L. Crockett. No. 1,287,898; Dec. 17; v. 257; p. 489.
Stop-motion device. R. W. Scott. No. 1,270,063; June 18; v. 251; p. 604.
Stop-motion thread-guard. F. Crawford, Sr. No. 1,288,524; Dec. 24; v. 257; p. 670.
Stop-motion thread-frame. F. Crawford, Sr. No. 1,273,584; July 23; v. 252; p. 874.
Stopper: *See*—
Bottle-stopper.
Forcing-proof drop-stopper.
Container-stopper.
Leak-stopper.
Receptacle-stopper.
Shiftable stopper.
Spreadable stopper.
Sprinkling-stopper.
Tremie-tube stopper.
Stopper. W. J. Donnelley. No. 1,257,328; Feb. 26; v. 247; p. 760.
Stopper-extractor. A. W. Kelin. No. 1,260,394; Mar. 26; v. 248; p. 808.
Stopper fastener, Bottle-. F. Lorimer. No. 1,265,795; May 14; v. 250; p. 283.
Stopper for bottles, vials, or the like. W. F. Barry. No. 1,279,223; Sept. 17; v. 254; p. 565.
Stopper for water-bottles or the like. E. V. Myers. No. 1,274,437; Aug. 6; v. 253; p. 27.
Stopper-rod. S. Dowrey, Jr. No. 1,280,973; Oct. 8; v. 255; p. 262.
Stopping and starting mechanism. J. Reece. No. 1,281,657; Oct. 15; v. 255; p. 480.
Stopping device, Automatic. W. B. Story. No. 1,261,867; Apr. 9; v. 249; p. 279.
Stopping mechanism, Speed-governed. G. E. Molyneux. No. 1,258,926; Mar. 12; v. 248; p. 323.
Stopping mechanism, Speed-governed. G. E. Molyneux. No. 1,258,927; Mar. 12; v. 248; p. 323.
Storage apparatus, Cold-. C. L. Merithew. No. 1,280,266; Oct. 1; v. 255; p. 42.
Storage battery. J. M. Ahlgren. No. 1,259,193; Mar. 12; v. 248; p. 400.
Storage battery. J. Becker. No. 1,269,778; June 18; v. 251; p. 528.
Storage battery. W. A. Crowdus. No. 1,269,162; June 11; v. 251; p. 326.
Storage battery. T. A. Edison. No. 1,266,780; May 21; v. 250; p. 587.
Storage battery. B. Ford. No. 1,271,148; July 2; v. 252; p. 111.
Storage battery. B. Ford. No. 1,285,658; Nov. 26; v. 256; p. 676.

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Storage battery. M. R. Hutchison and C. W. Norton. No. 1,283,779; Nov. 5; v. 256; p. 89.
Storage battery. H. W. Ka Dell. No. 1,276,771; Aug. 27; v. 253; p. 770.
Storage battery. J. P. Mentzer. No. 1,285,303; Nov. 19; v. 256; p. 548.
Storage battery. T. A. Willard. No. 1,263,500; Apr. 23; v. 249; p. 787.
Storage battery. T. A. Willard. No. 1,279,953; Sept. 24; v. 254; p. 795.
Storage battery. F. Wright. No. 1,279,508; Sept. 24; v. 254; p. 666.
Storage-battery connector. W. Morrison. No. 1,284,424; Nov 12; v. 256; p. 288.
Storage battery, Electric. B. Ford. No. 1,271,692; July 9; v. 252; p. 297.
Storage battery, Electric. J. A. Wood. No. 1,282,159; Oct. 22; v. 255; p. 657.
Storage-battery grid. E F. Andreae. No. 1,289,354; Dec. 31; v. 257; p. 897.
Storage - battery - grid mold. E. F. Andreae. No. 1,289,355; Dec. 31; v. 257; p. 897.
Storage-battery grids, Making. E. F. Andreae. No. 1,289,356; Dec. 31; v. 257; p. 897.
Storage - battery negative plate. W. Morrison. No. 1,284,425; Nov. 12; v. 256; p. 288.
Storage-battery vent. C. A. Christiansen. No. 1,283,670; Nov. 5; v. 256; p. 62.
Storage bin, den, and the like. S. H. Dobear. No. 1,279,089; Sept. 17; v. 254; p. 531.
Storage-bin, Portable and knockdown. M. B. Fitch. No. 1,265,442; May 7; v. 250; p. 157.
Storage of steam, Receiver for the H. E. Steinberg. No. 1,287,506; Dec. 10; v. 257; p. 360.
Storage-tank. F. G. Dickerson. No. 1,255,298; Feb. 5; v. 247; p. 52.
Store-fixture. R. A. Ostram. No. 1,272,989; July 16; v. 252; p. 689.
Store-front construction. G. C. Hester. No. 1,263,315; Apr. 16; v. 249; p. 694.
Store-front construction. H. Malott. No. 1,283,247; Oct. 29; v. 255; p. 980.
Store-front construction. F. J. Plym. No. 1,258,043; Mar. 5; v. 248; p. 28.
Store-front construction. F. J. Plym. No. 1,274,773; Aug. 6; v. 253; p. 123.
Store-service carrier. L. W. Chism. No. 1,289,393; Dec. 31; v. 257; p. 907.
Storing and reclaiming apparatus. F. L. Stuart. No. 1,275,319; Aug. 13; v. 253; p. 300.
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Stove. R. K. Clark. No. 1,285,042; Nov. 19; v. 256; p. 482
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Stove. P. P. Cooley. No. 1,272,387; July 16; v. 252; p. 519.
Stove. W. Forbes. No. 1,286,270; Dec. 3; v. 257; p. 21.
Stove. F. M. Gates. No. 1,286,274; Dec. 3; v. 257; p. 22.
Stove. J. D. Hendrix. No. 1,284,102; Nov. 5; v. 256; p. 176.
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Stove. J. B. Lakin. No. 1,287,051; Dec. 10; v. 257; p. 247.
Stove. L. S. Phillips. No. 1,288,981; Dec. 24; v. 257; p. 780.
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Stove. E. W. Vest. No. 1,289,321; Dec. 31; v. 257; p. 889.
Stove, Air-blast oil-. A. M. Griffin. No. 1,279,536; Sept. 24; v. 254; p. 674.
Stove, Alcohol-gas. G. Schleusselburg. No. 1,266,863; May 21; v. 250; p. 609.
Stove and heater, Combination cooking-. A. H. Wolawsky. No. 1,277,519; Sept. 3; v. 254; p. 52.
Stove and hot-water heater, Combined cooking-. F. B. Howell. No. 1,266,534; May 14; v. 250; p. 487.
Stove and range, Gas cooking. A. B. du Pont. No. 1,282,056; Oct. 22; v. 255; p. 627.
Stove and toaster, Combined electric. H. A. Rice. No. 1,263,927; Apr. 23; v. 249; p. 903.
Stove attachment, Gas-. F. P. Peebles and H. H. K. Jefferson. No. 1,267,263; May 21; v. 250; p. 621.
Stove attachment, Oil-. J. T. Kelley. No. 1,268,013; May 28; v. 250; p. 958.
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Stove, Camping-. J. N. Peaslee. No. 1,258,040; Mar. 5; v. 248; p. 27.
Stove, Collapsible. W. J. Denney. No. 1,264,493; Apr. 30; v. 249; p. 1092.
Stove construction. W. F. Dewey. No. 1,279,521; Sept. 24; v. 254; p. 670.
Stove-cover. F. R. Watson. No. 1,273,700; July 23; v. 252; p. 904.
Stove-door, and particularly oven-door for stoves. G. B. Jones. No. 1,260,776; Mar. 26; v. 248; p. 921.
Stove-door hinge. G. B. Child. No. 1,273,735; July 23; v. 252; p. 912.
Stove, Drying-. R. H. Wainford. No. 1,289,976; Dec. 31; v. 257; p. 1049.
Stove, Electric. S. C. Winger. No. 1,263,181; Apr. 16; v. 249; p. 678.
Stove, Electric waffle-. J. Miller. No. 1,255,771; Feb. 5; v. 247; p. 190.
Stove-fireback. B. Davis. No. 1,264,373; Apr. 30; v. 249; p. 1058.
Stove, Flat. J. Watson. No. 1,282,153; Oct. 22; v. 255; p. 656.
Stove, Folding camp-. J. F. Kent. No. 1,283,798; Nov. 5; v. 256; p. 94.
Stove for burning solid fuel. H. P. Ball. No. 1,254,019; Jan. 22; v. 246; p. 850.
Stove for burning solid fuel and making same. H. P. Ball. No. 1,268,786; June 4; v. 251; p. 203.
Stove for glassware, Hot. E. L. Zihlmann. No. 1,257,441; Feb. 26; v. 247; p. 790.
Stove for open boats or the like purposes, Cooking-. A. F. Johansson. No. 1,277,316; Aug. 27; v. 253; p. 913.
Stove, Four-pass hot-blast. J. I. Larimer. No. 1,278,173; Sept. 10; v. 254; p. 254.
Stove, Gas-. A. L. Bailey. No. 1,258,084; Mar. 5; v. 248; p. 39.
Stove, Gas-. L. J. F. Clement. No. 1,266,105; May 14; v. 250; p. 370.
Stove, Gas-. A. H. Humphrey. No. 1,280,740; Oct. 8; v. 255; p. 199.
Stove, Gas-. W. H. Mulloy. No. 1,274,929; Aug. 6; v. 253; p. 167.
Stove, Gas-. R. T. Parisen. No. 1,272,306; July 9; v. 252; p. 470.
Stove, Gas-. E. G. Richter. No. 1,273,671; July 23; v. 252; p. 897.
Stove, Gas-. G. E. Thompson. No. 1,288,289; Dec. 17; v. 257; p. 585.
Stove, Gas-. R. Thompson. No. 1,271,243; July 2; v. 252; p. 139.
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Stove, Hot-blast. J. I. Larimer. No. 1,265,923; May 14; v. 250; p. 320.
Stove, Imitation. K. C. Smith. No. 1,270,888; July 2; v. 252; p. 38.
Stove, Kitchen-. G. E. Wason. No. 1,275,510; Aug. 13; v. 253; p. 352.
Stove-lid. J. S. S. Fulton. No. 1,258,760; Mar. 12; v. 248; p. 274.
Stove lid and damper. C. E. S. Parton. No. 1,269,850; June 18; v. 251; p. 548.
Stove lid and draft means. G. M. Murray. No. 1,281,635; Oct. 15; v. 255; p. 475.
Stove-lid lifter. G. Chromy. No. 1,287,229; Dec. 10; v. 257; p. 293.
Stove, Liquid-fuel. J. S. Brennan and A. J. Lindemann. No. 1,274,134; July 30; v. 252; p. 1063.
Stove-lock. A. L. Stewart. No. 1,268,175; June 4; v. 251; p. 30.
Stove-magazine. J. H. Pringle. No. 1,269,959; June 18; v. 251; p. 576.
Stove manifolds and the like, Forming screw-threaded openings in gas-. M. A. Possons. No. 1,264,854; Apr. 30; v. 249; p. 1190.
Stove, Odorless and humidity-supplying heating-. A. Clarke. No. 1,258,652; Mar. 12; v. 248; p. 244.
Stove, Oil-. L. S. Chadwick. No. 1,274,989; Aug. 6; v. 253; p. 184.
Stove, Oil-. L. S. Chadwick. No. 1,276,872; Aug. 27; v. 253; p. 796.
Stove, Oil-. W. R. Jeavons and A. R. Whittaker. No. 1,258,416; Mar. 5; v. 248; p. 137.
Stove, Oil-. W. R. Jeavons and A. R. Whittaker. No. 1,259,628; Mar. 19; v. 248; p. 553.
Stove, Oil-. W. R. Jeavons and A. R. Whittaker. (Reissue.) No. 14,477; May 28; v. 250; p. 975.
Stove, Oil-. W. R. Jeavons and A. R. Whittaker. No. 1,271,169; July 2; v. 252; p. 117.
Stove, Oil-. A. D. Mullin. No. 1,283,265; Oct. 29; v. 255; p. 985.
Stove, Oil-. F. E. White and F. E. Hooper. No. 1,273,209; July 23; v. 252; p. 774.
Stove, Oil-. F. E. White and F. E. Hooper. No. 1,273,210; July 23; v. 252; p. 774.
Stove, Oil-burning. A. F. Glass. No. 1,276,901; Aug. 27; v. 253; p. 803.
Stove, Oil or gas burning. A. F. Glass. No. 1,258,210; Mar. 5; v. 248; p. 76.
Stove or furnace. H. Herman. No. 1,256,798; Feb. 19; v. 247; p. 569.
Stove, Portable. J. H. Crockwell. No. 1,264,163; Apr. 30; v. 249; p. 999.

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Stove-shield attachment, Gasolene-. J. Bergman. No. 1,273,317; July 23; v. 252; p. 801.
Stove-top construction. G. Kupec and J. Slosar. No. 1,289,197; Dec. 31; v. 257; p. 857.
Stove, Torch-. F. Leeper. No. 1,257,716; Feb. 26; v. 247; p. 874.
Stoves, Air-heating attachment for. S. M. Martin. No. 1,288,099; Dec. 17; v. 257; p. 540.
Stoves, Flue-cleaner for. H. Hagerling. No. 1,284,321; Nov. 12; v. 256; p. 262.
Stoves, Gas-burner for hot-blast. A. F. T. Wolff. No. 1,283,010; Oct. 29; v. 255; p. 919.
Stoves, Hot-water attachment for gas-. A. Blomquist. No. 1,285,001; Nov. 19; v. 256; p. 471.
Stoves, Oven-burner unit for gas-. H. D. Schall and R. W. Davenport. No. 1,289,555; Dec. 31; v. 257; p. 947.
Stoves, Safety attachment for gas-. J. E. Cadigan. No. 1,271,539; July 9; v. 252; p. 253.
Stoves, Valve for hot-blast. T. L. Donahie. No. 1,258,661; Mar. 12; v. 248; p. 247.
Stoves, Water-heating attachment for. W. L. Dawbarn. No. 1,252,553; Jan. 8; v. 246; p. 356.
Stovepipe. H. Falk. No. 1,278,894; Sept. 17; v. 254; p. 478.
Stovepipe. E. A. Peterson. No. 1,288,163; Dec. 17; v. 257; p. 556.
Stovepipe. K. W. Steinhart. No. 1,253,902; Jan. 15; v. 246; p. 777.
Stovepipe, Adjustable. S. F. Fairbank. No. 1,257,071; Feb. 19; v. 247; p. 649.
Stovepipe-anchor. W. Munstermann. No. 1,285,782; Nov. 26; v. 256; p. 708.
Stovepipe, Extensible. A. Brauer. No. 1,256,654; Feb. 19; v. 247; p. 527.
Stovepipe-fastener. L. R. and C. E. Miller. No. 1,280,520; Oct. 1; v. 255; p. 113.
Stovepipe-fastener. A. Schuch. No. 1,289,556; Dec. 31; v. 257; p. 947.
Stovepipe-hanger. C. A. Pedersen. No. 1,255,219; Feb. 5; v. 247; p. 30.
Stovepipe-joint. F. Dow and L. D. Edminster. No. 1,281,307; Oct. 15; v. 255; p. 386.
Stovepipe-lock. R. B. Mannon. No. 1,278,704; Sept. 10; v. 254; p. 398.
Stovepipes in chimney-holes, Means for locking. J. H. Jacobs. No. 1,281,969; Oct. 15; v. 255; p. 564.
Straight-edge attachment. H. H. Hundley. No. 1,267,665; May 28; v. 250; p. 860.
Straightening rods, Machine for. C. P. Astrom. No. 1,287,820; Dec. 17; v. 257; p. 471.
Strain-plate and removable trolley-frog, Combination. J. E. Burgess. No. 1,272,208; July 9; v. 252; p. 441.
Strainer. D. M. Bylander. No. 1,284,587; Nov. 12; v. 256; p. 327.
Strainer. F. W. Collier. No. 1,286,235; Dec. 3; v. 257; p. 13.
Strainer. H. R. Haertel. No. 1,286,297; Dec. 3; v. 257; p. 28.
Strainer. J. Lawrence. No. 1,262,680; Apr. 16; v. 249; p. 534.
Strainer. G. A. Ott. No. 1,283,278; Oct. 29; v. 255; p. 988.
Strainer. C. Overly. No. 1,255,215; Feb. 5; v. 247; p. 29.
Strainer. H. E. Paget. No. 1,273,656; July 23; v. 252; p. 894.
Strainer. A. G. Petit. No. 1,277,474; Sept. 3; v. 254; p. 39.
Strainer. M. J. Sage. No. 1,274,940; Aug. 6; v. 253; p. 170.
Strainer. S. Tadejevich. No. 1,276,992; Aug. 27; v. 253; p. 828.
Strainer and cleaning or exchanging the strainer-baskets, High-pressure. A. Akers. No. 1,269,571; June 18; v. 251; p. 469.
Strainer and receptacle, Combination grease. R. A. MacDonald. No. 1,267,885; May 28; v. 250; p. 923.
Strainer and separator, Combination. M. Weiwoda. No. 1,251,601; Jan. 1; v. 246; p. 47.
Strainer apparatus. A. R. Keller. No. 1,272,458; July 16; v. 252; p. 537.
Strainer attachment for drinking vessels. C. R. Jones. No. 1,267,417; May 28; v. 250; p. 791.
Strainer, Duplex. E. F. Stewart. No. 1,288,257; Dec. 17; v. 257; p. 578.
Strainer for pumps and the like, Water-. G. T. White. No. 1,274,121; July 30; v. 252; p. 1060.
Strainer-holder. I. A. Green. No. 1,264,917; May 7; v. 250; p. 12.
Strainer, Milk-. F. Brown. No. 1,255,701; Feb. 5; v. 247; p. 169.
Strainer, Self-closing. O. C. Vetterman. No. 1,289,322; Dec. 31; v. 257; p. 890.
Strainer, Twin. C. F. Braun. No. 1,253,344; Jan. 15; v. 246; p. 617.
Strainer, Upflow-. J. Polley and G. Gabrielsen. No. 1,278,809; Sept. 10; v. 254; p. 424.
Strainer, Wire-. R. C. Duigan. No. 1,271,294; July 2; v. 252; p. 153.
Strainers, &c., Folding support for. J. M. Rickard. No. 1,278,385; Sept. 10; v. 254; p. 311.
Straining pulp or the like. J. Paramor. No. 1,261,054; Apr. 2; v. 249; p. 18.
Strand and cable suspensory supporter. S. Shima. No. 1,284,158; Nov. 5; v. 256; p. 190.
Stranding-machine. C. W. Peck. No. 1,271,518; July 2; v. 252; p. 213.
Strap: *See*—
Breast-strap.
Corset-strap.
Hat-strap.
Robe-strap.
Seat-strap.
Slipper-strap.
Stay-strap.
Suspensory jock-strap.
Watch-strap.
Strap-brake. H. Kocourek. No. 1,255,432; Feb. 5; v. 247; p. 92.
Strap-fastener. G. L. Bryce. No. 1,287,210; Dec. 10; v. 257; p. 289.
Strap-lock. M. C. Russell. No. 1,281,213; Oct. 8; v. 255; p. 330.
Strap-locking clamp. R. P. Glassburn. No. 1,285,981; Nov. 26; v. 256; p. 758.
Strap-tightening tool. W. D. Macdonald. No. 1,278,069; Sept. 3; v. 254; p. 201.
Strap-tipping machine. A. R. Montferrand. No. 1,281,052; Oct. 8; v. 255; p. 284.
Strap-working machine. A. J. Brauer. No. 1,272,612; July 16; v. 252; p. 581.
Straw conveyer and spreader. A. H. Beisner. No. 1,256,196; Feb. 12; v. 247; p. 358.
Straw-dispenser. W. J. Eisenhardt. No. 1,276,338; Aug. 20; v. 253; p. 613.
Straw-dispenser. D. H. Mosteller. No. 1,267,579; May 28; v. 250; p. 836.
Straw or hay loading apparatus. J. H. Haselhoff. No. 1,252,901; Jan. 8; v. 246; p. 454.
Straw-rack. J. C. McKenna. No. 1,277,618; Sept. 3; v. 254; p. 79.
Straw-spreader. L. R. Crom. No. 1,280,674; Oct. 8; v. 255; p. 181.
Straw-spreader. F. C. Mares, Jr. No. 1,266,968; May 21; v. 250; p. 639.
Straw-spreader. W. Randall. No. 1,255,052; Jan. 29; v. 246; p. 1157.
Straw-spreader. M. Rapp. No. 1,282,947; Oct. 29; v. 255; p. 899.
Straw-spreader. R. E. and E. Sooter. No. 1,258,370; Mar. 5; v. 248; p. 121.
Straw-spreader and grain-separator. C. L. McDonald. No. 1,264,409; Apr. 30; v. 249; p. 1069.
Straw-spreading machine. M. Rapp. No. 1,282,946; Oct. 29; v. 255; p. 899.
Straws, Machine for manufacturing spirally-wound. A. A. Carper. No. 1,252,235; Jan. 1; v. 246; p. 229.
Straws, Machine for manufacturing spirally-wound. L. C. Maltby. No. 1,252,284; Jan. 1; v. 246; p. 244.
Street and station indicator. F. B. Robinson. No. 1,260,712; Mar. 26; v. 248; p. 902.
Street-cleaner. W. Brajdovics. No. 1,273,998; July 30; v. 252; p. 1024.
Street-cleaner, Motor. A. Simko. No. 1,275,322; Aug. 13; v. 253; p. 301.
Street-cleaning machine. W. F. Ayars. No. 1,274,664; Aug. 6; v. 253; p. 93.
Street-cleaning machine. J. N. M. Keyzer. No. 1,255,178; Feb. 5; v. 247; p. 19.
Street-cleaning machine, Vacuum. E. E. Johnson. No. 1,252,905; Jan. 8; v. 246; p. 455.
Street-cleaning utensil. R. Oldham. No. 1,266,522; May 14; v. 250; p. 483.
Street-indicator. M. Fitzgerald. No. 1,257,208; Feb. 19; v. 247; p. 689.
Street-indicator for street-cars. A. A. Winkler. No. 1,254,954; Jan. 29; v. 246; p. 1131.
Street-intersection signal. J. W. See. No. 1,268,288; June 4; v. 251; p. 62.
Street-light. F. Milliken. No. 1,264,114; Apr. 23; v. 249; p. 952.
Street or station indicator. J. O. Lough. No. 1,261,250; Apr. 2, v. 249; p. 72.
Street-post, Decorative. E. H. Gohl. No. 1,262,776; Apr. 16; v. 249; p. 562.
Street-post, Tiltable. C. A. Poole. No. 1,266,152; May 14; v. 250; p. 384.
Street-roller. J. Gratton. No. 1,270,725; June 25; v. 251; p. 809.
Street-signal. W. H. Robertson. No. 1,258,254; Mar. 5; v. 248; p. 88.
Street-sweeper. A. F. Ellis. No. 1,255,519; Feb. 5; v. 247; p. 117.
Street-sweeper. F. C. Hoffer and J. F. Smedley. No. 1,254,802; Jan. 29; v. 246; p. 1086.
Street-sweeper. F. C. Hoffer and J. F. Smedley. No. 1,254,803; Jan. 29; v. 246; p. 1087.
Street-sweeper. F. C. Hoffer and J. F. Smedley. No. 1,256,561; Feb. 19; v. 247; p. 500.
Street-sweeper-broom support. N. C. Woodin. No. 1,286,481; Dec. 3; v. 257; p. 74.
Street-sweeper filter attachment. B. Kern. No. 1,288,027; Dec. 17; v. 257; p. 522.
Street-sweeping apparatus. F. Hedley and J. S. Doyle. No. 1,268,571; June 4; v. 251; p. 143.

Street-sweeping machine. B. Kern. No. 1,288,028; Dec. 17; v. 257; p. 522.
Street-sweeping machine. B. Kern. No. 1,288,029; Dec. 17; v. 257; p. 523.
Street-sweeping machine. B. Kern. No. 1,289,809; Dec. 31; v. 257; p. 1009.
Street-sweeping machine. G. V. Lehew. No. 1,265,685; May 7; v. 250; p. 220.
Streets, Cleaning. B. Kern, Jr. No. 1,260,547; Mar. 26; v. 248; p. 853.
Stretch-roll. O. A. Benoit. No. 1,275,368; Aug. 13; v. 253; p. 314.
Stretcher. J. L. Boardman. No. 1,270,107; June 18; v. 251; p. 615.
Stretcher. F. E. Clark. No. 1,289,661; Dec. 31; v. 257; p. 972.
Stretcher. D. Herl. No. 1,268,006; May 28; v. 250; p. 956.
Stretcher. M. V. Hubbard. No. 1,286,328; Dec. 3; v. 257; p. 35.
Stretcher. A. Johnson. No. 1,281,385; Oct. 15; v. 255; p. 410.
Stretcher. F. A. Keith. No. 1,277,084; Aug. 27; v. 253; p. 853.
Stretcher. H. Pezzetti. No. 1,275,734; Aug. 13; v. 253; p. 415.
Stretcher. P. Shapac. No. 1,266,723; May 21; v. 250; p. 571.
Stretcher. P. Wolak. No. 1,275,514; Aug. 13; v. 253; p. 353.
Stretcher and casket support. W. Deneke. No. 1,268,938; June 11; v. 251; p. 263.
Stretcher-brace. A. W. Elster. No. 1,273,048; July 16; v. 252; p. 705.
Stretcher, Spring-. J. A. Hauser. No. 1,253,595; Jan. 15; v. 246; p. 689.
Stretchers and beds, Pneumatic support for. M. W. Rosenshine. No. 1,275,306; Aug. 13; v. 253; p. 296.
String-closure-affixing machine. H. Trenchard, Jr. No. 1,258,829; Mar. 12; v. 248; p. 295.
String holding and tensioning device. L. Klein. No. 1,262,518; Apr. 9; v. 249; p. 459.
Stringed instrument. W. J. Quemore. No. 1,266,314; May 14; v. 250; p. 427.
Strip-applying device. J. Rettell. No. 1,268,151; June 4; v. 251; p. 23.
Strip-blocking machines, Block for. A. Sundh. No. 1,259,163; Mar. 12; v. 248; p. 392.
Strip blocking or winding machine. A. Kenworthy. No. 1,282,236; Oct. 22; v. 255; p. 678.
Strip-cutting apparatus. G. H. Lewis. No. 1,255,098; Jan. 29; v. 246; p. 1170.
Strip-cutting machine. R. F. Beardsley. No. 1,269,368; June 11; v. 251; p. 384.
Strip feeding and cutting mechanism. G. L. Richards. No. 1,260,055; Mar. 19; v. 248; p. 678.
Strip-feeding means. A. H. Morrison. No. 1,252,140; Jan. 1; v. 246; p. 205.
Strip-marker. J. J. Sheridan and E. S. Stevens. No. 1,263,134; Apr. 16; v. 249; p. 665.
Strip-mills, Automatic blocking mechanism for. A. Sundh. No. 1,259,162; Mar. 12; v. 248; p. 391.
Strip-mills, Automatic blocking mechanism for. A. Sundh. No. 1,259,164; Mar. 12; v. 248; p. 392.
Strip-mills, Automatic blocking mechanism for. A. Sundh. No. 1,259,165; Mar. 12; v. 248; p. 392.
Strip-mills, Automatic blocking mechanism for. A. Sundh. No. 1,261,180; Apr. 2; v. 249; p. 53.
Strip-mills, Automatic blocking mechanism for. A. Sundh. No. 1,262,135; Apr. 9; v. 249; p. 352.
Strip-mills, Block for automatic blocking mechanism for. A. Sundh. No. 1,265,400; May 7; v. 250; p. 145.
Strip-mills, Blocking attachment for. G. H. Benjamin. No. 1,277,029; Aug. 27; v. 253; p. 837.
Strip-serving apparatus. T. M. Foote. No. 1,284,289; Nov. 12; v. 256; p. 253.
Strip-serving device. F. S. Anable. No. 1,279,960; Sept. 24; v. 254; p. 796.
Strip-serving device. F. S. Anable. No. 1,279,961; Sept. 24; v. 254; p. 797.
Strip-serving device. H. S. Torrance. No. 1,287,140; Dec. 10; v. 257; p. 271.
Strip-winding machine. O. I. Judelshon. No. 1,267,080; May 21; v. 250; p. 670.
Stroboscopic device. G. Jensen. No. 1,251,669; Jan. 1; v. 246; p. 69.
Stroke mechanism, Variable-. P. P. Westbye. No. 1,256,624; Feb. 19; v. 247; p. 518.
Stroke press, Adjustable-. W. Klocke. No. 1,258,020; Mar. 5; v. 248; p. 21.
Stropper: *See*—
Razor-blade stropper.
Structural block. W. H. Rook, Jr. No. 1,274,455; Aug. 6; v. 253; p. 32.
Structural joint. J. P. Clary Von Carlsberg. No. 1,266,104; May 14; v. 250; p. 370.
Structural system. C. F. Cramer. No. 1,285,051; Nov. 19; v. 256; p. 483.
Structure, Sectional cementitious. G. Atterbury. No. 1,254,109; Jan. 22; v. 246; p. 856.
Stucco-applying device. J. E. Hodges. No. 1,264,647; Apr. 30; v. 249; p. 1136.
Stucco composition. J. B. Turner. No. 1,256,847; Feb. 19; v. 247; p. 583.
Stud. R. Gorton. No. 1,277,060; Aug. 27; v. 253; p. 846.
Stud. C. I. Osterberg. No. 1,281,997; Oct. 15; v. 255; p. 571.
Stud and bond terminal, Connecting. G. A. Mead. No. 1,286,381; Dec. 3; v. 257; p. 49.
Stud-and-socket fastener. A. G. Anderson. No. 1,268,665; June 4; v. 251; p. 169.
Stud-and-socket fastener. F. S. Carr. No. 1,253,349; Jan. 15; v. 246; p. 618.
Stud-and-socket fastener. F. S. Carr. (Reissue.) No. 14,492; July 9; v. 252; p. 482.
Stud-and-socket fastener. F. S. Carr. (Reissue.) No. 14,552; Nov. 19; v. 256; p. 616.
Stud-and-socket fastener. A. Raiche. No. 1,277,258; Aug. 27; v. 253; p. 899.
Stud fastener members, Making. A. J. Lewis. No. 1,289,831; Dec. 31; v. 257; p. 1014.
Stud for snap-fasteners. G. A. Holmes. No. 1,273,491; July 23; v. 252; p. 848.
Stud for snap-fasteners. G. A. McCormack. No. 1,273,513; July 23; v. 252; p. 855.
Studs, Mechanism for slotting. A. J. Lewis. No. 1,284,382; Nov. 12; v. 256; p. 278.
Studs, Mechanism for slotting. A. J. Lewis. No. 1,284,383; Nov. 12; v. 256; p. 278.
Stuffing-box. A. G. Heggem. No. 1,256,899; Feb. 19; v. 247; p. 600.
Stuffing-box. W. N. Landmesser. No. 1,274,564; Aug. 6; v. 253; p. 64.
Stuffing-box. C. H. Young, Jr. No. 1,284,538; Nov. 12; v. 256; p. 315.
Stuffing-box of crank-shaft bearings and the like. L. Wygodsky. No. 1,264,247; Apr. 30; v. 249; p. 1024.
Stump-burner. A. S. Goodwin and C. C. Hurd. No. 1,251,653; Jan. 1; v. 246; p. 64.
Stump-burner. A. Watts. No. 1,276,140; Aug. 20; v. 253; p. 559.
Stump-consumer. W. F. Ritt. No. 1,284,778; Nov. 12; v. 256; p. 375.
Stump-cutter and soil-preparer, Steam. C. A. Sahlberg. No. 1,278,758; Sept. 10; v. 254; p. 410.
Stump-puller. W. A. Cocke. No. 1,265,612; May 7; v. 250; p. 201.
Stump-puller. L. B. Jones. No. 1,253,183; Jan. 8; v. 246; p. 540.
Stump-puller. E. W. La Plant and R. E. Choate. No. 1,281,033; Oct. 8; v. 255; p. 279.
Stump-puller. J. W. Rees. No. 1,259,445; Mar. 12; v. 248; p. 469.
Stump-puller. C. A. Strait. No. 1,284,812; Nov. 12; v. 256; p. 383.
Stump-puller. F. Weese. No. 1,263,495; Apr. 23; v. 249; p. 785.
Stump puller and stacker. F. S. Blackmar. No. 1,280,951; Oct. 8; v. 255; p. 256.
Stump-puller, Hydraulic. F. A. Long. No. 1,258,691; Mar. 12; v. 248; p. 255.
Stump-pullers, Detent mechanism for. A. J. Vanhorn. No. 1,283,371; Oct. 29; v. 255; p. 1014.
Stump-pullers, Operating mechanism for. G. Drazick. No. 1,260,883; Mar. 26; v. 248; p. 948.
Stump-pulling apparatus. W. C. F., Jr., and H. L. Zimmerman. No. 1,280,356; Oct. 1; v. 255; p. 68.
Stump-pulling engine. E. W. Burgess, Jr. No. 1,261,760; Apr. 9; v. 249; p. 249.
Stump-pulling machine. B. H. West. No. 1,277,163; Aug. 27; v. 253; p. 875.
Styli, Machine for making. W. W. Moyer. No. 1,251,909; Jan. 1; v. 246; p. 139.
Styli, &c., Making. W. W. Moyer. No. 1,251,907; Jan. 1; v. 246; p. 138.
Stylographic lettering instrument. E. D. Gaines. No. 1,271,457; July 2; v. 252; p. 196.
Stylus. R. L. Gibson. No. 1,260,365; Mar. 26; v. 248; p. 799.
Stylus-holder. W. Booth. No. 1,287,199; Dec. 10; v. 257; p. 286.
Stylus-holder. R. Paul. No. 1,286,759; Dec. 3; v. 257; p. 137.
Sublimation apparatus. J. D. Sartakoff. No. 1,284,787; Nov. 12; v. 256; p. 377.
Submarine. G. W. Beach. No. 1,277,028; Aug. 27; v. 253; p. 837.
Submarine. A. Bianchi. No. 1,276,863; Aug. 27; v. 253; p. 794.
Submarine. L. A. Lamar. No. 1,271,513; July 2; v. 252; p. 212.
Submarine. D. Ottaviani. No. 1,266,305; May 14; v. 250; p. 425.
Submarine and other navigable vessel. F. B. Keall. No. 1,277,943; Sept. 3; v. 254; p. 168.
Submarine-armament, Mechanism for the operation of. J. E. Johannessen and O. A. Waage. No. 1,270,164; June 18; v. 251; p. 631.
Submarine attachment. W. Daubenberg and E. W. Appelman. No. 1,252,408; Jan. 8; v. 246; p. 313.
Submarine attachment. A. Hazlak. No. 1,262,500; Apr. 9; v. 249; p. 454.

Submarine barrier. T. J. Digney. No. 1,271,864; July 9; v. 252; p. 343.
Submarine boats, Apparatus for detecting and indicating the presence of. G. E. Elia. No. 1,278,319; Sept. 10; v. 254; p. 294.
Submarine boats, Net and cable cutting attachment for. O. A. Youngren. No. 1,272,168; July 9; v. 252; p. 431.
Submarine-catching net. F. L. Calgaro. No. 1,251,748; Jan. 1; v. 246; p. 92.
Submarine-chaser. J. A. Arsenault. No. 1,270,094; June 18; v. 251; p. 612.
Submarine-chaser. A. Egenes. No. 1,258,324; Mar. 5; v. 248; p. 109.
Submarine construction for diving purposes. F. W. Schoenen. No. 1,255,234; Feb. 5; v. 247; p. 34.
Submarine craft, Means for indicating the position of. J. B. Barrett. No. 1,252,876; Jan. 8; v. 246; p. 446.
Submarine cutter. J. Mrosko. No. 1,258,135; Mar. 5; v. 248; p. 54.
Submarine-destroyer. J. A. Gault. No. 1,253,482; Jan. 15; v. 246; p. 657.
Submarine-destroying device. S. I. Prescott. No. 1,287,743; Dec. 17; v. 257; p. 451.
Submarine-destroying trap. L. D. Amico. No. 1,278,602; Sept. 10; v. 254; p. 369.
Submarine-detector. E. S. Jones. No. 1,272,811; July 16; v. 252; p. 639.
Submarine-fender. A. Hoffman. No. 1,257,002; Feb. 19; v. 247; p. 631.
Submarine-growth cutter. R. L. Welch. No. 1,269,139; June 11; v. 251; p. 320.
Submarine life-boat. G. Bender. No. 1,260,955; Mar. 26; v. 248; p. 968.
Submarine life-boat. E. P. Howe. No. 1,259,627; Mar. 19; v. 248; p. 553.
Submarine life-boat. S. Lewark. No. 1,259,534; Mar. 19; v. 248; p. 527.
Submarine minnow. J. G. Oehler. No. 1,251,810; Jan. 1; v. 246; p. 111.
Submarine-net. J. A. Steinmetz. No. 1,274,624; Aug. 6; v. 253; p. 82.
Submarine-operating apparatus. W. L. McCutcheon. No. 1,262,075; Apr. 9; v. 249; p. 335.
Submarine safety and observation device. A. G. Trautman. No. 1,263,155; Apr. 16; v. 249; p. 671.
Submarine signal and escape-buoy. O. W. Jasper. No. 1,283,523; Nov. 5; v. 256; p. 23.
Submarine spar-net shield. S. B. and W. G. Willis. No. 1,260,842; Mar. 26; v. 248; p. 938.
Submarine torpedo-launching tube. C. Sacerdoti. No. 1,286,792; Dec. 3; v. 257; p. 144.
Submarine tower-barge for raising sunken vessels. N. F. Chamberlin. No. 1,276,327; Aug. 20; v. 253; p. 610.
Submarine-vessel hull. R. S. Noah. No. 1,264,965; May 7; v. 250; p. 26.
Submarine vessels, Funnel of. H. E. Yarrow. No. 1,260,848; Mar. 26; v. 248; p. 940.
Submarines, Apparatus for detecting and capturing. P. B. Delany. No. 1,287,908; Dec. 17; v. 257; p. 492.
Submarines, Bridge for. H. M. De Grew. No. 1,274,694; Aug. 6; v. 253; p. 101.
Submarines, Device for destroying. M. C. Stearns. No. 1,275,317; Aug. 13; v. 253; p. 299.
Submarines, Hatch structure for. L. Y. Spear. No. 1,271,381; July 2; v. 252; p. 176.
Submarines, Means for protecting vessels against. J. A. Steinmetz. No. 1,253,295; Jan. 15; v. 246; p. 601.
Submarines, Net-cutting attachment for. H. J. Peterson. No. 1,278,005; Sept. 3; v. 254; p. 184.
Submarines, Periscope attachment for. A. P. Teskey. No. 1,272,873; July 16; v. 252; p. 657.
Submarines, Steering and propulsion for. J. M. Cage. No. 1,281,132; Oct. 8; v. 255; p. 306.
Submarines, Storage-battery ventilation for. B. Ford. No. 1,285,659; Nov. 26; v. 256; p. 676.
Submerged concentrating-table. W. A. Huelsdonk. No. 1,270,736; June 25; v. 251; p. 812.
Submersible apparatus. V. Boscavilla. No. 1,260,959; Mar. 26; v. 248; p. 969.
Submersible boat. W. R. Barringer. No. 1,278,090; Sept. 10; v. 254; p. 232.
Subpacking-ring for disks. P. A. De Garmo. No. 1,264,025; Apr. 23; v. 249; p. 929.
Substation, Automatic. E. Taylor. No. 1,281,875; Oct. 15; v. 255; p. 540.
Sucker-rod elevator. W. L. Foster. No. 1,285,102; Nov. 19; v. 256; p. 496.
Sucker-rod elevator. F. H. Norris. No. 1,275,728; Aug. 13; v. 253; p. 413.
Sucker-rod hanger. S. E. Arey. No. 1,251,615; Jan. 1; v. 246; p. 51.
Sucker-rod, tubing, and casing elevator. C. A. Hively. No. 1,288,585; Dec. 24; v. 257; p. 685.
Suction apparatus. J. T. Crockett. No. 1,276,495; Aug. 20; v. 253; p. 658.
Suction appliance. F. M. Case. No. 1,278,852; Sept. 17; v. 254; p. 466.
Suction-box and cover. D. F. Sullivan. No. 1,279,170; Sept. 17; v. 254; p. 551.
Suction-cleaner. J. B. Kirby. No. 1,257,288; Feb. 19; v. 247; p. 714.
Suction-cleaner. F. J. Quist. No. 1,283,298; Oct. 29; v. 255; p. 992.
Suction-cleaner. W. W. Rosenfield. No. 1,253,535; Jan. 15; v. 246; p. 672.
Suction-cleaner. W. W. Rosenfield. No. 1,286,115; Nov. 26; v. 256; p. 789.
Suction-cleaner. J. L. Sullivan. No. 1,255,662; Feb. 5; v. 247; p. 159.
Suction-cleaner apparatus, Mobile. C. D. Lanning. No. 1,267,348; May 21; v. 250; p. 744.
Suction-cup. C. D. McDonald. No. 1,252,280; Jan. 1; v. 246; p. 242.
Suction dredge-head. J. Reid. No. 1,263,468; Apr. 23; v. 249; p. 777.
Suction-dredge shell-screen. E. E. Wintersgill. No. 1,263,829; Apr. 23; v. 249; p. 874.
Sugar and the like evaporating apparatus. J. T. Davis. No. 1,263,747; Apr. 23; v. 249; p. 851.
Sugar-bowl, Dispensing. M. V. Menendez. No. 1,281,991; Oct. 15; v. 255; p. 569.
Sugar-cane and the like, Mulsh for. C. F. Eckart. No. 1,274,527; Aug. 6; v. 253; p. 55.
Sugar-cane-crushing rollers, Apparatus for grooving. E. Abarca. No. 1,270,681; June 25; v. 251; p. 799.
Sugar-cane, Extracting sucrose from. A. Adams. No. 1,265,582; May 7; v. 250; p. 193.
Sugar-cane-feeder regulator, Automatic. G. A. Bronder. No. 1,259,828; Mar. 19; v. 248; p. 611.
Sugar-cane in the field, Machine for cutting. A. Hocking. No. 1,259,400; Mar. 12; v. 248; p. 458.
Sugar-cane-windrowing machine. J. C. Corbin. No. 1,276,623; Aug. 20; v. 253; p. 694.
Sugar, Device for packing cube-. W. C. Smend and P. Jenkins. No. 1,261,065; Apr. 2; v. 249; p. 21.
Sugar-dispenser. A. L. Buckland. No. 1,270,262; June 25; v. 251; p. 683.
Sugar dispenser, Lump-. R. A. Clinchy. No. 1,284,597; Nov. 12; v. 256; p. 329.
Sugar dispenser, Lump-. A. R. Lissmann. No. 1,286,575; Dec. 3; v. 257, p. 119.
Sugar-dispensing apparatus. O. Nybak. No. 1,270,194; June 18; v. 251; p. 639.
Sugar, Extracting. L. Naudet. No. 1,281,057; Oct. 8; v. 255; p. 285.
Sugar factories, Economic steam production in cane-. W. Geveke. No. 1,258,889; Mar. 12; v. 248; p. 312.
Sugar from molasses, Recovery of. F. Tiemann. No. 1,256,952; Feb. 19; v. 247; p. 616.
Sugar-juices, Treating raw. A. Kraft. No. 1,271,914; July 9; v. 252; p. 357.
Sugar-making apparatus. E. H. Man. No. 1,279,134; Sept. 17; v. 254; p. 541.
Sugar manufacture. L. Naudet. No. 1,286,066; Nov. 26; v. 256; p. 778.
Sugar, Manufacturing cane-. N. M. Thomas and C. G. Petree. No. 1,266,882; May 21; v. 250; p. 614.
Sugar-packing machine, Loaf-. C. C. Reese. No. 1,269,115; June 11; v. 251; p. 313.
Sugar, Producing. R. L. Ulman. No. 1,259,568; Mar. 19; v. 248; p. 537.
Sugar, Refining. R. R. Williams. No. 1,256,758; Feb. 19; v. 247; p. 556.
Sugar-refining apparatus. K. K. Kaita. No. 1,267,419; May 28; v. 250; p. 791.
Sugar-treating method and apparatus. J. E. Drury and R. C. Folsom. No. 1,270,796; July 2; v. 252; p. 11.
Suit hanger and shape retainer. A. Hermanson. No. 1,284,674; Nov. 12; v. 256; p. 349.
Suit, Union-. P. A. Luckett. No. 1,284,391; Nov. 12; v. 256; p. 280.
Suit, War protecting-. F. Szmyt. No. 1,269,019; June 11; v. 251; p. 286.
Suitcase. J. Shwayder. No. 1,259,305; Mar. 12; v. 248; p. 429.
Suitcase, Folding. L. Auster. No. 1,287,821; Dec. 17; v. 257; p. 471.
Suitcase-lock. E. H. Shaff. No. 1,265,534; May 7; v. 250; p. 181.
Suitcases, Machine for making metal binding for. A. Kipniss and M. P. Neumann. No. 1,278,167; Sept. 10; v. 254; p. 252.
Sulfate crystals, Recovering. W. H. Sommer. No. 1,256,068; Feb. 12; v. 247; p. 317.
Sulfid ores, Separation of mixed. J. Hebbard. No. 1,261,810; Apr. 9; v. 249; p. 265.
Sulfid ores, Treating. F. K. Cameron, J. A. Cullen, and R. W. Hyde. No. 1,261,694; Apr. 2; v. 249; p. 199.
Sulfite-acid liquor and the like, Means for making. G. D. Jenssen. No. 1,251,533; Jan. 1; v. 246; p. 25.
Sulfite-cellulose liquors, Treating waste. R. H. McKee. No. 1,284,739; Nov. 12; v. 256; p. 366.
Sulfite-cellulose liquors, Treating waste. R. H. McKee. No. 1,284,740; Nov. 12; v. 256; p. 366.
Sulfite liquor, Fermenting. A. Lackman. No. 1,269,287; June 11; v. 251; p. 361.
Sulfite pulp process, Reclaiming system in a. C. B. Thorne. No. 1,263,486; Apr. 23; v. 249; p. 783.
Sulfonation of hydrocarbons and hydrocarbon derivatives. C. R. Downs. No. 1,279,295; Sept. 17; v. 254; p. 585.
Sulfonation of hydrocarbons and hydrocarbon derivatives. C. R. Downs. No. 1,279,296; Sept. 17; v. 254; p. 585.

Sulfur-burner. H. C. Ellis. No. 1,289,417; Dec. 31; v. 257; p. 913.
Sulfur-burning. G. F. Hurt. No. 1,289,783; Dec. 31; v. 257; p. 1002.
Sulfur dioxid and nitrogen, Apparatus for the manufacture of a mixture of. L. Descamps. No. 1,254,992; Jan. 29; v. 246; p. 1141.
Sulfur dioxid from furnace-gases, Recovering. H. Howard and F. G. Stantial. No. 1,271,899; July 9; v. 252; p. 352.
Sulfur in globular form and producing the same. R. P. Perry. No. 1,285,358; Nov. 19; v. 256; p. 562.
Sulfur-mining. R. E. Carmichael. No. 1,287,878; Dec. 17; v. 257; p. 484.
Sulfur-mining apparatus. R. E. Carmichael. No. 1,287,879; Dec. 17; v. 257; p. 485.
Sulfur, Recovering. A. F. Hoffman. No. 1,273,370; July 23; v. 252; p. 816.
Sulfur-spray apparatus. G. Bianchin. No. 1,254,968; Jan. 29; v. 246; p. 1135.
Sulfuric acid, Concentrating. I. Hechenbleikner. No. 1,264,182; Apr. 30; v. 249; p. 1005.
Sulfuric acid, Concentrating. J. W. Leitch. No. 1,257,894; Feb. 26; v. 247; p. 926.
Sulfuric acid, Concentrating. J. W. Leitch. No. 1,257,895; Feb. 26; v. 247; p. 926.
Sulfuric acid, Manufacture of. J. F. Cullen. No. 1,278,308; Sept. 10; v. 254; p. 291.
Sulfuric acid, Manufacture of. A. B. Foster. No. 1,277,896; Sept. 3; v. 254; p. 156.
Sulfuric acid, Manufacturing. M. L. Hanahan. No. 1,253,238; Jan. 15; v. 246; p. 584.
Sulfuric acid, Method of and apparatus for making. L. A. Thiele. No. 1,267,012; May 21; v. 250; p. 652.
Sulfuric acid, Process and apparatus for concentrating. H. G. Klink. No. 1,276,377; Aug. 20; v. 253; p. 625.
Sulfuric anhydrid and the like, Apparatus for use in the manufacture of. E. L. Wilke. No. 1,270,997; July 2; v. 252; p. 70.
Sulfurous anhydrid, Manufacture of. M. Kaltenbach. No. 1,260,681; Mar. 26; v. 248; p. 893.
Sun-dial. C. D. Love. No. 1,289,837; Dec. 31; v. 257; p. 1016.
Sun-dial and compass. M. H. Slater. No. 1,258,160; Mar. 5; v. 248; p. 61.
Superheater. C. W. Dake. No. 1,289,405; Dec. 31; v. 257; p. 910.
Superheater. F. N. Poignand. No. 1,260,443; Mar. 26; v. 248; p. 822.
Superheater. C. D. Young. No. 1,288,364; Dec. 17; v. 257; p. 602.
Superheater construction for boilers. E. C. Meier. No. 1,274,740; Aug. 6; v. 253; p. 114.
Superheater for steam-boilers. E. H. Foster. No. 1,272,248; July 9; v. 252; p. 452.
Superheater, Locomotive-. F. A. Delano. No. 1,256,115; Feb. 12; v. 247; p. 331.
Superheater, Locomotive-boiler. H. S. Vincent. No. 1,266,184; May 14; v. 250; p. 393.
Superheater, Steam-. R. Allen. No. 1,262,428; Apr. 9; v. 249; p. 434.
Superheater, Steam-. J. S. Nichols. No. 1,275,080; Aug. 6; v. 253; p. 209.
Superheater, Steam-. J. S. Nichols. No. 1,275,081; Aug. 6; v. 253; p. 209.
Superphosphate, Making. H. Blumenberg, Jr. No. 1,255,829; Feb. 5; v. 247; p. 207.
Supplemental spring. R. Liebau. No. 1,282,887; Oct. 29; v. 255; p. 883.
Support. C. C. Andersen. No. 1,267,618; May 28; v. 250; p. 848.
Support. F. W. Cerny. No. 1,286,940; Dec. 10; v. 257; p. 219.
Support. M. D. Gross. No. 1,283,160; Oct. 29; v. 255; p. 958.
Support. N. C. Nicol. No. 1,281,060; Oct. 8; v. 255; p. 286.
Support. N. C. Nicol. No. 1,281,061; Oct. 8; v. 255; p. 286.
Support. C. M. Smith No. 1,278,774; Sept. 10; v. 254; p. 415.
Support, Adjustable. H. T. Ware. No. 1,269,664; June 18; v. 251; p. 496.
Support, Extensible. E. E. Linehan. No. 1,278,177; Sept. 10; v. 254; p. 255.
Support or rest, Adjustable. I. H. Wilson. No. 1,266,367; May 14; v. 250; p. 441.
Supporter. N. E. Derritt. No. 1,256,444; Feb. 12; v. 247; p. 430.
Supporter-fastener. E. M. Hitchcock. No. 1,273,369; July 23; v. 252; p. 816.
Supporting apparatus, Adjustable. W. B. Lehmkuhl. No. 1,255,185; Feb. 5; v. 247; p. 21.
Supporting device. W. J. Kelly. No. 1,257,611; Feb. 26; v. 247; p. 843.
Supporting device. H. Stamp. No. 1,273,550; July 23; v. 252; p. 864.
Supporting device. C. C. Stewart. No. 1,280,325; Oct. 1; v. 255; p. 59.
Supporting mechanism. T. B. Rule. No. 1,261,856; Apr. 9; v. 249; p. 277.
Supporting member, Adjustable. M. H. Spielman. No. 1,261,453; Apr. 2; v. 249; p. 130.
Supporting-rack. C. L. Michod. No. 1,276,556; Aug. 20; v. 253; p. 674.
Supporting-rod, Adjustable. E. I. Hammer. No. 1,253,486; Jan. 15; v. 246; p. 659.
Supporting-stand. J. A. Kimball. No. 1,261,551; Apr. 2; v. 249; p. 159.
Supporting structure. C. W. Neblett. No. 1,286,391; Dec. 3; v. 257; p. 51.
Surface-dressing machine. G. C. Clark. No. 1,285,041; Nov. 19; v. 256; p. 481.
Surface-finishing machine. S. K. Brown. No. 1,276,167; Aug. 20; v. 253; p. 567.
Surface-gage. C. Jerige. No. 1,289,794; Dec. 31; v. 257; p. 1005.
Surface-gage. L. Neumann. No. 1,253,082; Jan. 8; v. 246; p. 511.
Surface-gage. O. Tromlitz. No. 1,266,177; May 14; v. 250; p. 391.
Surface-indicator. W. A. James. No. 1,279,703; Sept. 24; v. 254; p. 722.
Surface toggle-switch. W. J. Newton. No. 1,275,726; Aug. 13; v. 253; p. 412.
Surfaces, Forming curved. E. W. Laisné. No. 1,286,032; Nov. 26; v. 256; p. 770.
Surfacing butchers' blocks, Machine for. O. and F. P. Fauser. No. 1,286,569; Dec. 3; v. 257; p. 94.
Surfacing mechanism. A. E. Paige. No. 1,260,022; Mar. 19; v. 248; p. 669.
Surgeons' bandages, Machine for making. J. A. Cameron and G. P. Birch. No. 1,256,659; Feb. 19; v. 247; p. 528.
Surgical ampul. W. J. Schieffelin. No. 1,263,940; Apr. 23; v. 249; p. 907.
Surgical and bathing apparatus. J. W. Scroggin. No. 1,263,611; Apr. 23; v. 249; p. 816.
Surgical and like bandage. H. W. Stokes. No. 1,262,281; Apr. 9; v. 249; p. 393.
Surgical apparatus. S. A. Wilson. No. 1,287,549; Dec. 10; v. 257; p. 370.
Surgical appliance. N. Mininberg. No. 1,276,943; Aug. 27; v. 253; p. 814.
Surgical appliance. C. J. Pilling and H. R. Pierce. No. 1,279,154; Sept. 17; v. 254; p. 546.
Surgical bandage. J. R. Armington. No. 1,263,728; Apr. 23; v. 249; p. 847.
Surgical bandages, Machine for preparing. C. and H. E. Riely. No. 1,289,912; Dec. 31; v. 257; p. 1034.
Surgical bandages, Making. J. A. Cameron and G. B. Birch. No. 1,256,657; Feb. 19; v. 247; p. 528.
Surgical basin. M. Wolf. No. 1,253,555; Jan. 15; v. 246; p. 678.
Surgical clamp. G. D. Forbes. No. 1,275,414; Aug. 13; v. 253; p. 326.
Surgical cradle. J. E. Gorney. No. 1,259,510; Mar. 19; v. 248; p. 520.
Surgical device. F. E. Miller. No. 1,263,456; Apr. 23; v. 249; p. 774.
Surgical dressing. K. J. Holliday. No. 1,264,185; Apr. 30; v. 249; p. 1006.
Surgical dressing. I. Reid. No. 1,284,143; Nov. 5; v. 256; p. 186.
Surgical dressing. C. C. Willis. No. 1,263,723; Apr. 23; v. 249; p. 845.
Surgical dressing, Reusable knitted gauze. H. Pope. No. 1,285,366; Nov. 19; v. 256; p. 563.
Surgical dressings, Manufacturing. K. J. Holliday. No. 1,268,076; May 28; v. 250; p. 975.
Surgical instrument. F. Bohn. No. 1,274,669; Aug. 6; v. 253; p. 94.
Surgical instrument. A. Bursell. No. 1,261,357; Apr. 2; v. 249; p. 104.
Surgical instrument. E. H. Galligan. No. 1,253,955; Jan. 15; v. 246; p. 791.
Surgical instrument. O. M. Glenn. No. 1,286,287; Dec. 3; v. 257; p. 25.
Surgical instrument. J. Greenberger. No. 1,285,131; Nov. 19; v. 256; p. 503.
Surgical instrument. B. D. La Force. No. 1,279,713; Sept. 24; v. 254; p. 725.
Surgical instrument. J. T. Landis. No. 1,278,944; Sept 17; v. 254; p. 492.
Surgical instrument. P. M. Lassing. No. 1,260,924; Mar. 24; v. 248; p. 959.
Surgical instrument. Gauze-dam. W. L. Bell. No 1,275,520; Aug. 13; v. 253; p. 355.
Surgical-instrument shield. R. P. McCully. No. 1,266,031; May 14; v. 250; p. 349.
Surgical knife. G. W. Housdorfer. No. 1,261,815; Apr. 9; v. 249; p. 266.
Surgical-needle holder. J. T. Greeley. No. 1,266,456; May 14; v. 250; p. 465.
Surgical-needle holder. S. Meeker. No. 1,261,586; Apr. 2; v. 249; p. 168.
Surgical operating-table. L. Smith. No. 1,267,812; May 28; v. 250; p. 901.
Surgical stocking. M. W. Burk. No. 1,287,870; Dec. 17; v. 257; p. 482.
Surgical tourniquet. W. Levine. No. 1,269,620; June 18; v. 251; p. 484.

Surplus material, Device for removing. F. W. Knowlton and T. Scott. No. 1,256,574; Feb. 19; v. 247; p. 503.
Surveying apparatus. A. W. MacMillan. No. 1,253,069; Jan. 8; v. 246; p. 507.
Surveyor's instrument. H. H. Rodgers. No. 1,262,985; Apr. 16; v. 249; p. 621.
Suspender attachment. R. D. Voorhees. No. 1,256,399; Feb. 12; v. 247; p. 417.
Suspender, Garment-. L. G. Howorth. No. 1,266,596; May 21; v. 250; p. 535.
Suspender-strap-fastening means. M. McCullough. No. 1,271,338; July 2; v. 252; p. 165.
Suspender-strap holder. A. Reznicek. No. 1,261,960; Apr. 9; v. 249; p. 305.
Suspenders. R. F. Bartel. No. 1,288,802; Dec. 24; v. 257; p. 737.
Suspenders. S. Drbul. No. 1,259,085; Mar. 12; v. 248; p. 369.
Suspenders. W. C. Holiday. No. 1,259,984; Mar. 19; v. 248; p. 658.
Suspenders. L. Rotter. No. 1,287,112; Dec. 10; v. 257; p. 263.
Suspenders. A. M. Ziegler. No. 1,284,542; Nov. 12; v. 256; p. 316.
Suspenders, Garment-. J. Rohrberg. No. 1,258,945; Mar. 12; v. 248; p. 327.
Suspenders loop, Overalls-. H. A. Hartshorn. No. 1,266,590; May 21; v. 250; p. 533.
Suspenders or the like. J. G. Halapleus and A. Lamb. No. 1,283,745; Nov. 5; v. 256; p. 80.
Suspension-clamp. C. W. Dietrich. No. 1,281,531; Oct. 15; v. 255; p. 448.
Suspension device. W. B. Erskine. No. 1,282,204; Oct. 22; v. 255; p. 669.
Suspension device. R. P. Jackson. No. 1,286,010; Nov. 26; v. 256; p. 765.
Suspension device. L. H. Torrey. No. 1,253,647; Jan. 15; v. 246; p. 704.
Suspension-hook. C. R. Normandy. No. 1,285,336; Nov. 19; v. 256; p. 556.
Suspension-rack, Revolving. W. H. Martin. No. 1,261,837; Apr. 9; v. 249; p. 272.
Suspensory. I. W. Renier. No. 1,281,659; Oct. 15; v. 255; p. 481.
Suspensory. C. J. R. and C. E. Smith. No. 1,288,718; Dec. 24; v. 157; p. 717.
Suspensory jock-strap. R. C. Fine. No. 1,284,632; Nov. 12; v. 256; p. 338.
Suspensory-sack and fabric therefor. H. C. Shaw. No. 1,265,968; May 14; v. 250; p. 332.
Suture and making the same. C. T. Davis. No. 1,254,031; Jan. 22; v. 246; p. 833.
Sutures, ligatures, or the like, Production of. P. T. Wise, J. F. Malcolm, and C. T. Davis. No. 1,281,466; Oct. 15; v. 255; p. 431.
Swab-holder and nut-lock, Combined. W. V. Turner. No. 1,266,729; May 21; v. 250; p. 573.
Swage-shaper. J. F. Pribnow and N. W. Soderin. No. 1,279,156; Sept. 17; v. 254; p. 547.
Swaging and straightening tubing and mechanism for use therein. C. Tibbott. No. 1,287,791; Dec. 17; v. 257; p. 463.
Sweat-band, Air-cushion. H. Mertz. No. 1,253,859; Jan. 15; v. 246; p. 766.
Sweater. F. B. Biggs. No. 1,282,528; Oct. 22; v. 255; p. 757.
Swedge. R. E. Leonard and H. Gearing. No. 1,279,130; Sept. 17; v. 254; p. 539.
Sweep-rake. R. R. Bowers and L. R. Clausen. No. 1,287,201; Dec. 10; v. 257; p. 286.
Sweep-rake. J. H. Cope. No. 1,269,393; June 11; v. 251; p. 390.
Sweep-rake. J. H. Cope. No. 1,277,551; Sept. 3; v. 254; p. 60.
Sweeper. H. L. Boyle. No. 1,257,308; Feb. 26; v. 247; p. 754.
Sweeper. F. L. Collis. No. 1,263,379; Apr. 23; v. 249; p. 751.
Sweeper, Suction-. H. E. Hoover. No. 1,264,073; Apr. 23; v. 249; p. 942.
Swimming appliance. Y. Ikeda. No. 1,252,697; Jan. 8; v. 246; p. 397.
Swimming appliance. M. O. Melhus. No. 1,260,931; Mar. 26; v. 248; p. 961.
Swimming appliance. P. J. Young. No. 1,277,022; Aug. 27; v. 253; p. 836.
Swimming-course. J. W. Lippincott. No. 1,285,259; Nov. 19; v. 256; p. 536.
Swimming device. F. Pacheco. No. 1,268,762; June 4; v. 251; p. 195.
Swimming device. A. Russo. No. 1,252,619; Jan. 8; v. 246; p. 375.
Swimming device. J. Wanat. No. 1,268,303; June 4; v. 251; p. 67.
Swimming-garment. S. R. Smith. No. 1,282,309; Oct. 22; v. 255; p. 697.
Swimming-machine. O. C. Samphere. No. 1,288,689; Dec. 24; v. 257; p. 711.
Swimming-web. J. A. Clarke. No. 1,284,178; Nov. 5; v. 256; p. 195.
Swing. D. C. Bretz. No. 1,271,126; July 2; v. 252; p. 104.
Swing. S. A. Douglass. No. 1,254,890; Jan. 29; v. 246; p. 1114.
Swing. A. F. Fritz. No. 1,264,172; Apr. 30; v. 249; p. 1002.
Swing. J. L. Hicks. No. 1,260,671; Mar. 26; v. 248; p. 891.
Swing. L. L. Kell. No. 1,272,273; July 9; v. 252; p. 459.
Swing. G. J. McGuire. No. 1,259,649; Mar. 19; v. 248; p. 559.
Swing. E. R. Pitti. No. 1,275,739; Aug. 13; v. 253; p. 416.
Swing. H. M. Walker. No. 1,286,848; Dec. 3; v. 257; p. 157.
Swing. J. S. Worzalla. No. 1,266,744; May 21; v. 250; p. 577.
Swing, Baby-. A. Martin. No. 1,252,133; Jan. 1; v. 246; p. 202.
Swing-chair. E. P. Elzey. No. 1,271,453; July 2; v. 252; p. 194.
Swing, Child's. J. A. Eberle. No. 1,288,397; Dec. 17; v. 257; p. 610.
Swing, cradle, and crate, Combination. N. E. Whetstone. No. 1,259,061; Mar. 12; v. 248; p. 362.
Swing, Folding. G. D. Bulmer. No. 1,260,962; Mar. 26; v. 248; p. 970.
Swing-hanger. C. J. Soleau. No. 1,258,267; Mar. 5; v. 248; p. 92.
Swing-hook. C. C. Sunderland. No. 1,274,469; Aug. 6; v. 253; p. 37.
Swing, Horizontal rotating. F. Schwarz. No. 1,251,928; Jan. 1; v. 246; p. 144.
Swing-joint, Packless. J. B. Knudsen. No. 1,270,172; June 18; v. 251; p. 634.
Swing, Porch-. A. Bronski. No. 1,275,375; Aug. 13; v. 253; p. 316.
Swing, Porch-. F. Fox and S. E. Lotz. No. 1,260,358; Mar. 26; v. 248; p. 797.
Swing, Reclining-. T. A. Killman. No. 1,266,129; May 14; v. 250; p. 377.
Swing-rod, Adjustable. E. O. Street. No. 1,271,383; July 2; v. 252; p. 176.
Swing-seat, Child's. B. C. Silver. No. 1,265,126; May 7; v. 250; p. 71.
Swing-support, Noiseless. O. C. Kinney. No. 1,285,227; Nov. 19; v. 256; p. 529.
Swings, Fan attachment for lawn-. J. Gehbauer. No. 1,276,050; Aug. 20; v. 253; p. 534.
Swinging closures, Holder for. O. C. Rixson. No. 1,265,520; May 7; v. 250; p. 177.
Swingletree-hook. E. G. Osness. No. 1,278,990; Sept. 17; v. 254; p. 504.
Swingletree-hook. W. J. Spencer. No. 1,256,946; Feb. 19; v. 247; p. 614.
Switch: *See*—
- Air-break switch.
- Automatic switch.
- Automatic limit-switch.
- Button snap-switch.
- Centrifugal switch.
- Circuit-changing switch.
- Circuit-connector switch.
- Combination-switch.
- Concrete-railway switch.
- Cut-out switch.
- Disconnecting-switch.
- Duplex switch.
- Electric switch.
- Electric-light switch.
- Electric lock-switch.
- Electric snap-switch.
- Electrical switch.
- Electrically-operated switch.
- Electromagnetic switch.
- Electromagnetic control-switch.
- Electromagnetically-controlled switch.
- Electromechanical switch.
- Elevated-carrier switch.
- Entrance-switch.
- Exhaust-switch.
- Headlight-switch.
- Horn-switch.
- Ignition-switch.
- Inclosed switch.
- Key-controlled switch.
- Knife-blade switch.
- Light-switch.
- Line-switch.
- Lock-switch.
- Locking-switch.
- Magnet-operated switch.
- Master cut-over switch.
- Mercury switch.
- Non-numerical switch.
- Overload-switch.
- Permutation electric switch.
- Push-switch.
- Push-button switch.
- Quick-break switch.
- Railway-switch.
- Railway-track switch.
- Reciprocating safety-switch.
- Relay-switch.
- Rotary switch.
- Safety-switch.
- Safety fuse-switch.
- Selecting-switch.
- Selective switch.
- Selector-switch.
- Snap-switch.
- Surface toggle-switch.
- Telephone-switch.
- Telephone hook-switch.
- Thermal switch.
- Time-switch.
- Wall-switch.

Switch. E. J. Allison. No. 1,287,568; Dec. 10; v. 257; p. 375.
Switch. J. F. Cavanagh. No. 1,289,654; Dec. 31; v. 257; p. 970.
Switch. H. W. Cheney. (Reissue.) No. 14,493; July 16; v. 252; p. 722.
Switch. E. H. Dahlke and M. L. Sinclair. No. 1,253,158; Jan. 8; v. 246; p. 532.
Switch. W. W. Dean. No. 1,255,084; Jan. 29; v. 246; p. 1166.
Switch. W. W. Dean. No. 1,257,463; Feb. 26; v. 247; p. 798.
Switch. W. W. Dean. No. 1,266,420; May 14; v. 250; p. 455.

Switch. W. W. Dean. No. 1,269,400; June 11; v. 251; p. 392
Switch. G. L. Forester. No. 1,253,165; Jan. 8; v. 246; p. 534.
Switch. C. E. Godley. No. 1,272,941; July 16; v. 252; p. 676.
Switch. J. P. Hasty. No. 1,282,078; Oct. 22; v. 255; p. 634.
Switch. E. M. Hewlett. No. 1,275,918; Aug. 13; v. 253; p. 466.
Switch. J. T. Hickey. No. 1,285,172; Nov. 19; v. 256; p. 515.
Switch. N. Hollingshed. No. 1,269,444; June 11; v. 251; p. 403.
Switch. E. J. Kilmer. No. 1,285,223; Nov. 19; v. 256; p. 528.
Switch. S. G. Langley. No. 1,286,357; Dec. 3; v. 257; p. 42.
Switch. J. M. Phinous. No. 1,264,852; Apr. 30; v. 249; p. 1189.
Switch. J. Sachs. No. 1,257,534; Feb. 26; v. 247; p. 820.
Switch. J. Schneider. No. 1,275,309; Aug. 13; v. 253; p. 297.
Switch. W. S. Smith. No. 1,281,089; Oct. 8; v. 255; p. 294.
Switch. H. A. Steen. No. 1,279,779; Sept. 24; v. 254; p. 745.
Switch. C. C. Stirling. No. 1,261,456; Apr. 2; v. 249; p. 131.
Switch. F. E. Wilson. No. 1,269,237; June 11; v. 251; p. 348.
Switch. M. Winning. No. 1,267,950; May 28; v. 250; p. 941.
Switch. M. Winning. No. 1,267,951; May 28; v. 250; p. 941.
Switch-actuating mechanism. J. Brown. No. 1,262,168; Apr. 9; v. 249; p. 362.
Switch-actuating mechanism. G. A. Fritsch. No. 1,264,382; Apr. 30; v. 249; p. 1060.
Switch and frog. E. S. Cobb. No. 1,252,662; Jan. 8; v. 246; p. 387.
Switch and service-box, Combined entrance-. B. D. Horton. No. 1,280,479; Oct. 1; v. 255; p. 101.
Switch apparatus, Combination. S. L. Neely. No. 1,265,242; May 7; v. 250; p. 102.
Switch-box. C. D. Platt. No. 1,271,216; July 2; v. 252; p. 132.
Switch-box. C. M. Sieffert. No. 1,262,988; Apr. 16; v. 249; p. 622.
Switch-buttons, Attachment for operating. J. D. Biscayart and F. Cailleteau. No. 1,264,760; Apr. 30; v. 249; p. 1164.
Switch casing, Electric-. C. J. Klein. No. 1,254,812; Jan. 29; v. 246; p. 1089.
Switch-closer. R. P. Price. No. 1,282,937; Oct. 29; v. 255; p. 897.
Switch construction, Inclosed-. C. D. Platt. No. 1,252,493; Jan. 8; v. 246; p. 338.
Switch-controlling mechanism. E. W. Hedberg. No. 1,258,679; Mar. 12; v. 248; p. 252.
Switch device. W. Kaisling. No. 1,257,287; Feb. 19; v. 247; p. 713.
Switch device, Thermostatic. F. W. Wolf. No. 1,259,577; Mar. 19; v. 248; p. 540.
Switch for electric starters. T. Zimmerman. No. 1,279,958; Sept. 24; v. 254; p. 796.
Switch-frog. T. C. Barrett. No. 1,284,559; Nov. 12; v. 256; p. 320.
Switch-frog. J. B. Yarnell. No. 1,255,679; Feb. 5; v. 247; p. 164.
Switch-frog. J. B. Yarnell. No. 1,255,680; Feb. 5; v. 247; p. 164.
Switch front plate. S. F. Briggs. No. 1,280,655; Oct. 8; v. 255; p. 175.
Switch, fuse, choke-coil, and lightning-arrester, Combination disconnecting-. L. A. Thomas. No. 1,287,138; Dec. 10; v. 257; p. 270.
Switch-heater. P. L. Moccia. No. 1,280,107; Sept. 24; v. 254; p. 837.
Switch-heating device. D. F. Vaughan. No. 1,273,291; July 23; v. 252; p. 794.
Switch-hook, Substation. J. G. Blessing. No. 1,256,512; Feb. 19; v. 247; p. 486.
Switch-keys, Making. C. Robertson. No. 1,288,683; Dec. 24; v. 257; p. 709.
Switch-lever. C. Forth. No. 1,269,070; June 11; v. 251; p. 301.
Switch-lock. N. J. Beckner and J. A. Morrison. No. 1,261,206; Apr. 2; v. 249; p. 60.
Switch-lock. S. C. O. Berg. No. 1,256,767; Feb. 19; v. 247; p. 560.
Switch-lock. W. B. Blankenship. No. 1,281,127; Oct. 8; v. 255; p. 305.
Switch-lock. D. J. Dolan. No. 1,279,523; Sept. 24; v. 254; p. 671.
Switch-lock. D. J. Dolan. No. 1,281,533; Oct. 15; v. 255; p. 449.
Switch-lock. C. Forth. No. 1,267,998; May 28; v. 250; p. 954.
Switch-lock. M. L. Harvey. No. 1,285,151; Nov. 19; v. 256; p. 509.
Switch-lock. J. A. Morrison and N. J. Beckner. No. 1,286,060; Nov. 26; v. 256; p. 777.
Switch-locking device. G. F. Weiss. No. 1,282,339; Oct. 22; v. 255; p. 706.
Switch-machine. G. B. Gray. No. 1,255,598; Feb. 5; v. 247; p. 140.
Switch-machine, Electrically-operated. W. K. Howe. No. 1,288,595; Dec. 24; v. 257; p. 687.
Switch-machine, Electrically-operated. W. K. Howe. No. 1,288,897; Dec. 24; v. 257; p. 759.
Switch mechanism. E. F. G. H. Faure. No. 1,271,555; July 9; v. 252; p. 258.
Switch mechanism. H. F. Krantz. No. 1,256,332; Feb. 12; v. 247; p. 397.
Switch mechanism. T. G. Stiles. No. 1,253,439; Jan. 15; v. 246; p. 646.
Switch mechanism. W. D. Throop. No. 1,286,148; Nov. 26; v. 256; p. 797.
Switch mechanism, Control. R. N. Woodman. No. 1,277,520; Sept. 3; v. 254; p. 52.
Switch mechanism, Variable. L. A. Mapel. No. 1,284,735; Nov. 12; v. 256; p. 365.
Switch-movement-controlling circuit, Selector-. A. E. Lundell. No. 1,254,710; Jan. 29; v. 246; p. 1058.
Switch-operating apparatus and method. R. V. Collins. No. 1,266,555; May 21; v. 250; p. 523.
Switch-operating attachment, Snap-. J. D. Biscayart and F. Cailleteau. No. 1,264,762; Apr. 30; v. 249; p. 1165.
Switch-operating device. J. Sachs. No. 1,265,255; May 7; v. 250; p. 105.
Switch-operating device, Automatic. J. D. Smith. No. 1,273,282; July 23; v. 252; p. 792.
Switch-operating-device lock. S. G. Wells. No. 1,263,342; Apr. 16; v. 249; p. 719.
Switch-operating device, Snap-. J. D. Biscayart and F. Cailleteau. No. 1,264,761; Apr. 30; v. 249; p. 1165.
Switch-operating devices, Lock for. S. G. Wells. No. 1,284,002; Nov. 5; v. 256; p. 147.
Switch-operating means. J. B. Henniger and J. K. Guthrie. No. 1,265,200; May 7; v. 250; p. 91.
Switch-operating means. Z. Hogan. No. 1,257,233; Feb. 19; v. 247; p. 696.
Switch-operating mechanism. R. V. Collins. No. 1,254,122; Jan. 22; v. 246; p. 860.
Switch-operating mechanism. A. T. De Witt. No. 1,252,329; Jan. 1; v. 246; p. 255.
Switch-operating mechanism. H. E. Mouse. No. 1,254,341; Jan. 22; v. 246; p. 922.
Switch-operating mechanism. W. Thiede. No. 1,284,491; Nov. 12; v. 256; p. 304.
Switch-operating mechanism, Fluid-controlled-. J. B. Stroud. No. 1,279,987; July 2; v. 252; p. 67.
Switch-operator. J. F. Hoisclaw. No. 1,275,428; Aug. 13; v. 253; p. 330.
Switch or cut-out, Overload. P. G. Van Wijk. No. 1,280,594; Oct. 1; v. 255; p. 133.
Switch or cut-out, Overload electric. P. G. Van Wijk. No. 1,280,595; Oct. 1; v. 255; p. 134.
Switch-rail. E. N. King. No. 1,257,878; Feb. 26; v. 247; p. 921.
Switch-rail-actuating mechanism. J. Klewanich. No. 1,289,191; Dec. 31; v. 257; p. 856.
Switch-stand. W. Bender. No. 1,273,134; July 23; v. 252; p. 753.
Switch-stand. C. Forth. No. 1,269,069; June 11; v. 251; p. 301.
Switch-stand. J. P. Hasty. No. 1,258,678; Mar. 12; v. 248; p. 252.
Switch-stand. E. N. Strom. No. 1,277,150; Aug. 27; v. 253; p. 872.
Switch-stands, Head-block for. J. C. Crum. No. 1,254,989; Jan. 29; v. 246; p. 1140.
Switch-stands, Interlocking and target-operating mechanism for. F. C. Anderson. No. 1,276,157; Aug. 20; v. 253; p. 564.
Switch starter, Multiple-. A. H. Olmsted and L. Boothman. No. 1,280,076; Sept. 24; v. 254; p. 828.
Switch structure. F. E. Case. No. 1,275,846; Aug. 13; v. 253; p. 445.
Switch-throw. W. R. Rush. No. 1,288,209; Dec. 17; v. 257; p. 566.
Switch-throwing device. G. Spencer. No. 1,254,943; Jan. 29; v. 246; p. 1128.
Switch-throwing mechanism. C. S. Eppley. No. 1,256,540; Feb. 19; v. 247; p. 493.
Switch-throwing mechanism. M. Kragullacz. No. 1,282,872; Oct. 29; v. 255; p. 879.
Switch-throwing mechanism, Automatic. C. B. Michener. No. 1,286,707; Dec. 3; v. 257; p. 126.
Switch-tongue-control device. A. Taurman. No. 1,288,744; Dec. 24; v. 257; p. 723.
Switch unit, Steering-column. R. C. Scaife. No. 1,282,954; Oct. 29; v. 255; p. 902.
Switches, Adjustable connection for. W. T. Holdeman. No. 1,270,824; July 2; v. 252; p. 19.
Switches and receptacles, Adjustable supporting device for. H. Hubbell. No. 1,275,692; Aug. 13; v. 253; p. 403.
Switches and the like, Casing for pendent. C. J. Klein No. 1,280,115; Sept. 24; v. 254; p. 839.
Switches, Safety-stop for. C. H. Hill. No. 1,267,222; May 21; v. 250; p. 711.

Switchboard apparatus and circuits. H. P. Clausen. No. 1,279,840; Sept. 24; v. 254; p. 762.
Switching apparatus. C. Aalborg. No. 1,253,659; Jan. 15; v. 246; p. 708.
Switching apparatus. C. Aalborg and A. H. Bakken. No. 1,253,660; Jan. 15; v. 246; p. 708.
Switching device. W. T. Booth. No. 1,271,124; July 2; v. 252; p. 104.
Switching device. B. G. Lamme. No. 1,275,945; Aug. 13; v. 253; p. 473.
Switching device, Electric. E. Philippi. No. 1,281,826; Oct. 15; v. 255; p. 526.
Switching means, Automatic. J. F. Toomey. No. 1,270,465; June 25; v. 251; p. 740.
Switching mechanism. C. P. Nachod. No. 1,255,552; Feb. 5; v. 247; p. 128.
Switching mechanism. L. Nueda. No. 1,288,658; Dec. 24; v. 257; p. 703.
Switching mechanism, Automatic. F. A. Lundquist. No. 1,252,462; Jan. 8; 246; p. 329.
Switching mechanism, Automatic. F. A. Lundquist. No. 1,253,698; Jan. 15; v. 246; p. 720.
Switching-socket. G. C. Knauff. No. 1,285,739; Nov. 26; v. 256; p. 697.
Swivel. A. J. Fisher. No. 1,278,622; Sept. 10; v. 254; p. 374.
Swivel and ring. P. M. Young. No. 1,271,647; July 9; v. 252; p. 284.
Swivel connection. R. E. Miller. No. 1,270,538; June 25; v. 251; p. 761.
Swivel connection. L. H. Moulthrop. No. 1,255,774; Feb. 5; v. 247; p. 191.
Swivel-hook. R. Bever. No. 1,252,222; Jan. 1; v. 246; p. 226.
Swivel-hook. J. E. Blansett. No. 1,266,390; May 14; v. 250; p. 447.
Swivel-jaw spindle and chuck. E. J. McClellan. No. 1,251,986; Jan. 1; v. 246; p. 160.
Swivel-ring. F. A. Ballou, Jr. No. 1,262,736; Apr. 16; v. 249; p. 550.
Swivel-rings, Making. F. A. Ballou, Jr. No. 1,262,735; Apr. 16; v. 249; p. 550.
Sword and pistol. W. Brongel. No. 1,273,025; July 16; v. 252; p. 698.
Symbol or letter. H. Segall. No. 1,259,787; Mar. 19; v. 248; p. 599.
Synchronizing system. A. F. Dixon. No. 1,258,540; Mar. 5; v. 248; p. 172.
Synchronizing system. A. F. Dixon. No. 1,280,423; Oct. 1; v. 255; p. 86.
Synchronizing system. C. E. Scribner. No. 1,276,580; Aug. 20; v. 253; p. 682.
Synchronizing system. C. E. Scribner. No. 1,276,581; Aug. 20; v. 253; p. 682.
Synchronizing the operations of moving parts, Mechanism for. H. Bockisch. No. 1,279,639; Sept. 24; v. 254; p. 704.
Synchronizing the operations of moving parts, Mechanism for. H. Bockisch. No. 1,279,640; Sept. 24; v. 254; p. 704.
Synchronous machines, Starting. E. Rosenberg. No. 1,259,295; Mar. 12; v. 248; p. 426.
Synchronous motor, Self-starting. H. E. Warren. No. 1,283,432; Oct. 29; v. 255; p. 1029.
Synchronous motor, Self-starting. H. E. Warren. No. 1,283,433; Oct. 29; v. 255; p. 1029.
Synchronous motor, Self-starting. H. E. Warren. No. 1,283,435; Oct. 29; v. 255; p. 1030.
Syringe. M. Abramovitz. No. 1,267,616; May 28; v. 250; p. 847.
Syringe. J. MacGregor. No. 1,277,445; Sept. 3; v. 254; p. 32.
Syringe. W. C. Seitz. No. 1,263,474; Apr. 23; v. 249; p. 779.
Syringe. M. Yoshida. No. 1,279,069; Sept. 17; v. 254; p. 526.
Syringe and the like, Hypodermic. W. Fitting. No. 1,279,530; Sept. 24; v. 254; p. 673.
Syringe case, Hypodermic-. J. L. Kozmouski. No. 1,275,270; Aug. 13; v. 253; p. 286.
Syringe, Glass. I. R. Shull. No. 1,265,537; May 7; v. 250; p. 181.
Syringe, Hot-air. O. H. and A. F. Pieper. No. 1,252,614; Jan. 8; v. 246; p. 374.
Syringe, Hydrometer-. F. L. Freas. No. 1,262,478; Apr. 9; v. 249; p. 448.
Syringe, Package and hypodermic. P. S. Pittenger. No. 1,288,174; Dec. 17; v. 257; p. 558.
Syringes, Convertible receptacle for hot-water and fountain. T. F. Manley. No. 1,252,285; Jan. 1; v. 246; p. 244.
Syrup-dispenser-registering attachment. B. E. Byrd. No. 1,280,658; Oct. 8; v. 255; p. 176.
Syrup-evaporator. P. S. Evans. No. 1,251,763; Jan. 1; v. 246; p. 97.
Syruper and filler, Sanitary. P. Noce. No. 1,262,381; Apr. 9; v. 249; p. 422.
Syruping and packing machine. J. A. and V. O. Campbell. No. 1,260,636; Mar. 26; v. 248; p. 880.
Syruping apparatus. I. D. Thornburgh. No. 1,284,948; Nov. 12; v. 256; p. 419.
Tabbing-machine. M. H. Sidebotham. No. 1,274,093; July 30; v. 252; p. 1052.
Table; *See*—
- Adjustment-table.
- Automobile turn-table.
- Auxiliary table.
- Bearing bit turn-table.
- Bed-table.
- **Billiard and other game table.**
- Billiard and pool table.
- Button-blank-feeding table.
- Camp-table.
- Card-table.
- Case-table.
- Chiropractic operating-table.
- Cigar-maker's table.
- Cigar-maker's suction-table.
- **Collapsible table.**
- Combination-table.
- Concentrating-table.
- Conveying and cleaning table.
- Cooking-table.
- Dining-table.
- Dining and service table.
- **Display-table.**
- Drawing-table.
- Easel and drafting-table.
- Expanding table.
- Extension-table.
- Feed-table.
- Feeding-table.
- Folding table.
- Folding auto-table
- Folding bracket-table.
- Folding-leaf table.
- Game-table.
- Hydraulic treating-table.
- Ironing-table.
- Knockdown table.
- Laundry-table.
- Library and dressing table.
- Metal table.
- Metallic table.
- Operating-table.
- Orthopedic table.
- Osteopathic table.
- Packing-table.
- Phonograph - cabinet library-table.
- Reading-table.
- Rolling-mill table.
- Self-leveling table.
- Service-table.
- Serving-table.
- Sick-room table.
- Submerged concentrating-table.
- Surgical operating-table.
- Tailor's work-table.
- Treating-table.
- Turn-table.
- Work-table.

Table. J. Buric. No. 1,273,730; July 23; v. 252; p. 911.
Table. J. Downie. No. 1,266,232; May 14; v. 250; p. 406.
Table. J. P. Hines. No. 1,278,929; Sept. 17; v. 254; p. 488.
Table. L. V. Hosford and J. F. Stedman. No. 1,282,580; Oct. 22; v. 255; p. 771.
Table. H. A. Newbury. No. 1,253,083; Jan. 8; v. 246; p. 511.
Table. C. F. Poole. No. 1,285,365; Nov. 19; v. 256; p. 563.
Table. T. R. Treiber. No. 1,268,181; June 4; v. 251; p. 31.
Table. J. Wurz. No. 1,259,580; Mar. 19; v. 248; p. 541.
Table and air-moistener device, Combination. I. Unger. No. 1,281,104; Oct. 8; v. 255; p. 298.
Table and bed, Combination. M. D. Miesner. No. 1,274,431; Aug. 6; v. 253; p. 25.
Table and bed, Combined. M. D. Miesner. No. 1,252,713; Jan. 8; v. 246; p. 402.
Table and cabinet, Combination. W. S. Clark. No. 1,258,873; Mar. 12; v. 248; p. 308.
Table and chair construction, Combined. P. Gorny. No. 1,283,733; Nov. 5; v. 256; p. 77.
Table and desk. W. S. Enis. No. 1,266,929; May 21; v. 250; p. 628.
Table and ironing-board, Combined. W. E. Magarrell. No. 1,270,184; June 18; v. 251; p. 637.
Table attachment for invalid-beds. E. G. Theroux. No 1,253,441; Jan. 15; v. 246; p. 647.
Table-cloth support. B. S. Barber. No. 1,277,827; Sept. 3; v. 254; p. 137.
Table having folding-seat attachment. E. E. Jenkins. No. 1,288,604; Dec. 24; v. 257; p. 689.
Table-leg clamp, Adjustable. R. H. Null. No. 1,273,088; July 16; v. 252; p. 715.
Table lock and opener, Combination. G. T. Buddle. No. 1,262,919; Apr. 16; v. 249; p. 602.
Table-lowerer, Automatic. R. T. Hazelton and S. Einstein. No. 1,273,365; July 23; v. 252; p. 815.
Table or chair foot. R. M. Keating. No. 1,289,473; Dec. 31; v. 257; p. 927.
Table, stand, and the like. E. P. Wanner. No. 1,268,191; June 4; v. 251; p. 34.
Table-top. C. G. Campbell. No. 1,276,719; Aug 27; v. 253; p. 757.
Table-top, Demountable. E. J. Olesen. No. 1,266,981; May 21; v. 250; p. 643.
Tables, Bed for playing-. J. H. Adams. No. 1,259,951; Mar. 19; v. 248; p. 649.
Tables, Desk attachment for. I. L. Caton. No. 1,268,926; June 11; v. 251; p. 261.
Tables, Netting-support for. L. B. Hall. No. 1,264,065; Apr. 23; v. 249; p. 939.
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Tablet-machine, Rotary. F. J. Stokes. No. 1,289,570; Dec. 31; v. 257; p. 950.
Tablet-making machine. P. J. Harrah. No. 1,288,878; Dec. 24; v. 257; p. 755.
Tablet, Mouth-. A. Westlake. No. 1,262,888; Apr. 16; v. 249; p. 693.
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Tack-puller. J. D. Hatch. No. 1,257,603; Feb. 26; v. 247; p. 841.
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Tag-fastener. A. D. Morse. No. 1,271,743; July 9; v. 252; p. 311.
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Tag for keys and other articles. W. D. Hartman. No. 1,258,896; Mar. 12; v. 248; p. 314.
Tag-holder. S. J. Agnew. No. 1,259,337; Mar. 12; v. 248; p. 439.
Tag-holder. S. Bickerton. No. 1,257,790; Feb. 26; v 247; p. 895.
Tag-holder. C. Fingler and J. M. Gibb. No. 1,282,560; Oct. 22; v. 255; p. 766.
Tag-holder. S. M. Magsby. No. 1,272,284; July 9; v. 252; p. 463.
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Tag, Identification-. J. A. Luthy. No. 1,277,967; Sept. 3; v. 254; p. 174.
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Tag, License-. R. F. Timmons. No. 1,267,015; May 21; v. 250; p. 652.
Tag-lock. M. O. Anthony. No. 1,284,972; Nov. 19; v. 256; p. 463.
Tag locket or holder, Identification-. T. W. Foster. No. 1,255,870; Feb. 12; v. 247; p. 259.
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Tag, Seal-. P. Philipsberg. No. 1,262,249; Apr. 9; v. 249; p. 384.
Tag, Shipping-. C. P. Kleebauer. No. 1,272,968; July 16; v. 252; p. 683.
Tag, Shipping-. J. Morgan. No. 1,257,378; Feb. 26; v. 247; p. 773.
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Tailor's work-table. M. M. Dukes. No. 1,261,793; Apr. 9; v. 249; p. 260.
Talking and other machines, Spring-controlled noiseless motor for operating. D. Di Carlo. No. 1,258,753; Mar. 12; v. 248; p. 272.
Talking-machine. S. Baum. No. 1,284,988; Nov. 19; v. 256; p. 468.
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Talking-machine. F. Cirelli. No. 1,264,273; Apr. 30; v. 249; p. 1030.
Talking-machine. A. Cortella. No. 1,274,690; Aug. 6; v. 253; p. 100.
Talking-machine. J. H. Dickinson. No. 1,279,522; Sept. 24; v. 254; p. 671.
Talking-machine. V. H. Emerson. No. 1,273,342; July 23; v. 252; p. 808.
Talking-machine. J. C. English. No. 1,283,122; Oct. 29; v. 255; p. 947.
Talking-machine. H. T. and E. J. Kingsbury. No. 1,269,089; June 11; v. 251; p. 306.
Talking-machine. T. Kraemer. No. 1,262,810; Apr. 16; v. 249; p. 571.
Talking-machine. A. Haug. No. 1,281,565; Oct. 15; v. 255; p. 456.
Talking-machine. M. S. Levussove. No. 1,279,375; Sept. 17; v. 254; p. 608.
Talking-machine. H. Lobschutz. No. 1,258,128; Mar. 5; v. 248; p. 53.
Talking-machine. A. A. Long. No. 1,251,675; Jan. 1; v. 246; p. 70.
Talking-machine. F. Malocsay. No. 1,259,258; Mar. 12; v. 248; p. 415.
Talking-machine. M. Nystrom. No. 1,260,790; Mar. 26; v. 248; p. 924.
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Talking-machine. E. Pathé. No. 1,251,565; Jan. 1; v. 246; p. 36.
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Talking-machine. M. J. Samuels. No. 1,284,467; Nov. 12; v. 256; p. 299.
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Talking-machine. J. A. Weser. No. 1,253,317; Jan. 15; v. 246; p. 608.
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Talking-machine, Cabinet. H. D. Darlington. No. 1,253,010; Jan. 8; v. 246; p. 489.
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Talking-machine, Correction device for. S. Shelly. No. 1,266,065; May 14; v. 250; p. 359.
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Talking-machine governor and speed-indicator, Combined. C. E. Woods. No. 1,253,328; Jan. 15; v. 246; p. 611.
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Talking-machine sound-box and reproducer. P. B. Delany. No. 1,261,218; Apr. 2; v. 249; p. 63.
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Talking-machine spring-motor. L. P. Valiquet. No. 1,286,154; Nov. 26; v. 256; p. 799.
Talking-machine start and stop mechanism. C. E. Woods. No. 1,259,699; Mar. 19; v. 248; p. 573.
Talking-machine start and stop mechanism. C. E. Woods and F. C. Hinckley. No. 1,264,588; Apr. 30; v. 249; p. 1119.
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Talking-machines, Automatic stop for. L. G. Larsen. No. 1,283,223; Oct. 29; v. 255; p. 974.
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Talking-machines, Automatic winding means for. H. R. Van Deventer. No. 1,275,630; Aug. 13; v. 253; p. 385.
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Tamping-tool. D. F. Vaughan. No. 1,260,603; Mar. 26; v. 248; p. 870.
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Automobile gasolene-tank.	Oil-tank.
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Electrically-heated tank.	Rendering-tank.
Electrolytic tank.	Scalding-tank.
Evaporating-tank.	Settling-tank.
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Flushing-tank.	Storage-tank.
Fuel-tank.	Transformer-tank.
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Tape-moistening machine, Manual. C. H. Crowell. No. 1,276,728; Aug. 27; v. 253; p. 759.
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Target-practice rod. R. E. Reardon. No. 1,254,069; Jan. 22; v. 246; p. 844.
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Teapot and detachable spout therefor. N. M. Oesch. No. 1,255,779; Feb. 5; v. 247; p. 193.
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Telephonic recording and reproducing apparatus. H. C. Egerton. No. 1,284,623; Nov. 12; v. 256; p. 336.
Telephonic transmission without return-wire. C. Bardeloni. No. 1,287,180; Dec. 10; v. 257; p. 281.
Telephonometer. F. Gray. No. 1,281,944; Oct. 15; v. 255; p. 558.
Telephony, System of wireless. W. Harrison. No. 1,256,554; Feb. 19; v. 247; p. 498.
Telescope. E. Bausch. No. 1,270,771; July 2; v. 252; p. 5.
Telescope. L. T. Le Bron, Jr. No. 1,280,049; Sept. 24; v. 254; p. 820.
Telescopic smoke-stack. K. Langer. No. 1,283,817; Nov. 5; v. 256; p. 99.
Tellurian. M. W. Hard. No. 1,259,731; Mar. 19; v. 248; p. 582.
Tellurian. M. Heaton. No. 1,261,809; Apr. 9; v. 249; p. 264.
Tellurian. L. H. Van Syckle. No. 1,271,104; July 2; v. 252; p. 99.
Tellurium toning-bath and process of toning photographic elements. E. R. Bullock. No. 1,273,797; July 23; v. 252; p. 929.
Telpher. B. F. Weber and F. E. Woodford. No. 1,257,560; Feb. 26; v. 247; p. 827.
Telpherage system. H. M. Harding. No. 1,280,721; Oct. 8; v. 255; p. 194.
Temperature apparatus, Distance. H. Y. Norwood and F. W. Stalker. No. 1,277,464; Sept. 3; v. 254; p. 36.
Temperature-changing apparatus. W. J. Davis. No. 1,272,232; July 9; v. 252; p. 448.
Temperature-control apparatus. E. F. Collins. No. 1,287,236; Dec. 10; v. 257; p. 295.
Temperature-control system. F. Ahlburg. No. 1,256,969; Feb. 19; v. 247; p. 620.
Temperature-controlling device. A. Roesch. No. 1,270,438; June 25; v. 251; p. 732.
Temperature-controlling device. A. Roesch. No. 1,273,407; July 23; v. 252; p. 826.
Temperature-indicating instruments, Bulb for. P. M. Gelatt. No. 1,266,580; May 21; v. 250; p. 530.
Temperature-indicator. W. S. Brittin. No. 1,276,024; Aug. 20; v. 253; p. 526.
Temperature-indicator. M. G. Kopf. No. 1,256,331; Feb. 12; v. 247; p. 397.
Temperature-indicator. V. M. Montsinger. No. 1,269,546; June 11; v. 251; p. 430.
Temperature-indicator. P. J. Steenbjerg. No. 1,272,554; July 16; v. 252; p. 564.
Temperature recording instrument, Constant-. J. W. Esterline. No. 1,251,762; Jan. 1; v. 246; p. 96.
Temperature-regulating device. C. B. Auel. No. 1,253,201; Jan. 15; v. 246; p. 573.
Temperature-regulating means. J. C. Wilson and H. N. Packard. No. 1,261,086; Apr. 2; v. 249; p. 27.
Temperature-regulating system. H. S. Coy. No. 1,276,878; Aug. 27; v. 253; p. 798.
Temperature-regulator. L. D. Vaughan. No. 1,255,672; Feb. 5; v. 247; p. 162.
Temperature-regulator, Automatic. T. N. Thomson. No. 1,289,963; Dec. 31; v. 257; p. 1046.
Temperature-regulator, Electrically-controlled. H. W. Grom and F. D. Terry. No. 1,267,069; May 21; v. 250; p. 668.
Tempering gears and pinions, Apparatus for and method of. J. E. Webster and G. M. Eaton. No. 1,253,315; Jan. 15; v. 246; p. 607.
Temple. G. H. Day. No. 1,266,223; May 14; v. 250; p. 404.
Temple. G. H. Day. No. 1,271,020; July 2; v. 252; p. 76.
Temple. L. Poeton. No. 1,265,511; May 7; v. 250; p. 175.
Temple. G. L. Tully. No. 1,263,718; Apr. 23; v. 249; p. 844.
Temple-fastener. O. C. Dorney. No. 1,284,071; Nov. 5; v. 256; p. 167.
Templet. D. Dawson. No. 1,252,328; Jan. 1; v. 246; p. 255.

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Templet. S. M. Jenkins. No. 1,254,912; Jan. 29; v. 246; p. 1120.
Templet for the manufacture of cuffs. J. I. McDonald. No. 1,251,677; Jan. 1; v. 246; p. 71.
Templet-scribe. C. C. Warner and E. D. Paul. No. 1,260,839; Mar. 26; v. 248; p. 937.
Tennis-ball. A. T. Saunders. No. 1,287,766; Dec. 17; v. 257; p. 456.
Tennis-court marker. H. C. Turner and W. A. Tufts. No. 1,257,768; Feb. 26; v. 247; p. 889.
Tennis-racket. C. W. Hutchinson. No. 1,252,576; Jan. 8; v. 246; p. 363.
Tennis-racket and the like. S. G. Lewis. No. 1,279,719; Sept. 24; v. 254; p. 726.
Tennis-racket and the like. S. G. Lewis. No. 1,279,720; Sept. 24; v. 254; p. 726.
Tenons, Adjustable device for use in cutting. J. A. E. Woolcock. No. 1,270,912; July 2; v. 252 p. 45.
Tension device. G. H. Goldsmith. No. 1,260,662; Mar. 26; v. 248; p. 888.
Tension-meter, Manual. J. E. Crowell. No. 1,277,874; Sept. 3; v. 254; p. 150.
Tension unidirectional discharge, Method and apparatus for producing high-. J. E. Seeley. No. 1,281,673; Oct. 15; v. 255; p. 484.
Tensional joint. C. J. Rothermel. (Reissue.) No. 14,482; June 11; v. 251; p. 439.
Tent. E. D. Beard. No. 1,253,123; Jan. 8; v. 246; p. 523.
Tent. F. O. Berg. No. 1,270,919; July 2; v. 252; p. 48.
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Tent. C. M. Neiss. No. 1,276,255; Aug. 20; v. 253; p. 591.
Tent. R. A. Whall. No. 1,260,612; Mar. 26; v. 248; p. 873.
Tent-covering. H. Bardin. No. 1,283,452; Nov. 5; v. 256; p. 4.
Tent, Folding. I. S. Purcell. No. 1,285,791; Nov. 26; v. 256; p. 711.
Tent for cots and the like. I. S. Purcell. No. 1,255,224; Feb. 5; v. 247; p. 31.
Tent-support. F. Bahler. No. 1,255,688; Feb. 5; v. 247; p. 166.
Tents and canopies, Support for. W. C. Honeycutt. No. 1,257,486; Feb. 26; v. 247; p. 805.
Tents and the like, Support for. I. S. Purcell. No. 1,286,190; Nov. 26; v. 256; p. 809.
Tents, Construction of. P. E. Correll. No. 1,270,701; June 25; v. 251; p. 803.
Tenter-clip. J. J. Hoey. No. 1,272,663; July 16; v. 252; p. 597.
Tenter-clip. J. J. Hoey. No. 1,273,610; July 23; v. 252; p. 881.
Terminal. C. W. Beck. No. 1,268,812; June 11; v. 251; 229.
Terminal and fixture box, Combination. D. Byrne. No. 1,265,879; May 14; v. 250; p. 307.
Terminal box. F. L. Schulz and W. Kraft. No. 1,270,062; June 18; v. 251; p. 604.
Terminal box and fixture-stud, Combination. W. M. Gore. No. 1,278,965; Dec. 17; v. 257; p. 506.
Terminal connection. R. H. Frank. No. 1,266,575; May 21; v. 250; p. 529.
Terminal strip. J. N. Reynolds. No. 1,287,100; Dec. 10; v. 257; p. 261.
Terrace-marker. W. C. Norris. No. 1,253,516; Jan. 15; v. 246; p. 667.
Test-indicator. J. L. Wolfe. No. 1,256,967; Feb. 19; v. 247; p. 619.
Test-tube reader. A. U. Stedman. No. 1,265,544; May 7; v. 250; p. 183.
Testing apparatus. O. B. Blackwell. No. 1,261,096; Apr. 2; v. 249; p. 30.
Testing apparatus. F. B. Gilbert. No. 1,282,409; Oct. 22; v. 255; p. 725.
Testing apparatus, Analytical. O. C. Earp-Thomas. No. 1,280,194; Oct. 1; v. 255; p. 23.
Testing arrangement. H. P. Clausen. No. 1,251,750; Jan. 1; v. 246; p. 93.
Testing arrangement. C. L. Goodrum. No. 1,253,228; Jan. 15; v. 246; p. 581.
Testing device. E. E. Metzger and A. F. Breitenstein. No. 1,281,805; Oct. 15; v. 255; p. 520.
Testing device. D. D. Miller. No 1,251,556; Jan. 1; v. 246; p. 33.
Testing device. A. J. Newton and S. M. Furnald. No. 1,258,636; Mar. 5; v. 248; p. 202.
Testing hardness, Apparatus for. F. J. Tone. No. 1,283,362; Oct. 29; v. 255; p. 1011.
Testing-machine. A. E. Jury. No. 1,271,908; July 9; v. 252; p. 355.
Testing-machine. H. L. Scott. No. 1,282,644; Oct. 22; v. 255; p. 788.
Testing-machine. F. J. Singer. No. 1,286,432; Dec. 3; v. 257; p. 61.
Testing-machine. S. P. Thacher. No. 1,288,746; Dec. 24; v. 257; p. 724.
Testing-plug terminal, Insulated. M. H. Shoenberg and F. Talcott. No. 1,255,824; Feb. 5; v. 247; p. 205.
Testing process and machine. A. B. Hazard. No. 1,254,690; Jan. 29; v. 246; p. 1051.
Testing system. L. A. Mortimer. No. 1,281,811; Oct. 15; v. 255; p. 522.
Tetra-iodo-hexamethylenetetramin composition. K. G. Fault and K. Sugiura. No. 1,275,162; Aug. 6; v. 253; p. 231.
Textile fabric. C. E. Kaltenbach. No. 1,270,955; July 2; v. 252; p. 57.
Textile fabric with filling material, Completely impregnating. E. Weinheim. No. 1,281,728; Oct. 15; v. 255; p. 499.
Textile fabrics, Stentering or stretching device for steam can drying-machines for. J. R. Stevenson. No. 1,278,053; Sept. 3; v. 254; p. 196.
Textile fabrics with balata without the aid of solvents, Impregnating and covering. L. A. François. No. 1,285,105; Nov. 19; v. 256; p. 497.
Textile fiber, Device for spinning and twisting. V. Belanger. No. 1,285,598; Nov. 26; v. 256; p. 661.
Textile fibers, Production of black upon. E. A. Fourneaux. No. 1,277,056; Aug. 27; v. 253; p. 845.
Textile product and making the same. W. L. Franck. No. 1,277,057; Aug. 27; v. 253; p. 845.
Textiles, Machine for examining. F. E. Parsloe. No. 1,272,513; July 16; v. 252; p. 552.
Thawing apparatus. J. H. MacLauchlan. No. 1,277,097; Aug. 27; v. 253; p. 856.
Thawing apparatus. W. S. Newhall. No. 1,277,996; Sept. 3; v. 254; p. 182.
Thawing apparatus, Switch-. T. M. Dunning. No. 1,265,182; May 7; v. 250; p. 87.
Theater-chair. R. D. Weakley. No. 1,257,557; Feb. 26; v. 247; p. 826.
Theater-chair. R. D. Weakley. No. 1,283,999; Nov. 5; v. 256; p. 147.
Theater-seat construction. C. C. Lindenberg. No. 1,259,754; Mar. 19; v. 248; p. 590.
Theater-seat hat-rack. E. Ekman. No. 1,255,720; Feb. 5; v. 247; p. 175.
Theater-seat indicator. H. L. Rogers. No. 1,267,273; May 21; v. 250; p. 723.
Theaters, Vacant-seat detector for. J. E. Johnson. No. 1,257,873; Feb. 26; v. 247; p. 919.
Theatrical apparatus. E. B. Hurford. No. 1,266,476; May 14; v. 250; p. 470.
Theatrical apparatus. H. Thurston. No. 1,279,042; Sept. 17; v. 254; p. 518.
Theatrical device. P. E. Paoli. No. 1,273,111; July 16; v. 252; p. 720.
Theatrical illusions, Producing. M. Orton. No. 1,262,553; Apr. 9; v. 249; p. 469.
Theatrical runway. J. W. Whitehead. No. 1,255,256; Feb. 5; v. 247; p. 41.
Theft-alarm. G. M. Edwards. No. 1,266,568; May 21; v. 250; p. 527.
Theft-notice and illuminated license-plate, Combination. G. D. Gilmore. No. 1,283,150; Oct. 29; v. 255; p. 955.
Theft-preventing signal. S. Dawson. No. 1,257,461; Feb. 26; v. 247; p. 797.
Therapeutic apparatus. J. P. Gardner. No. 1,287,953; Dec. 17; v. 257; p. 503.
Therapeutic instrument. T. Lidberg. No. 1,280,052; Sept. 24; v. 254; p. 821.
Therapeutic light apparatus. C. W. Littlefield. No. 1,277,089; Aug. 27; v. 253; p. 855.
Therapeutically-valuable compound of the quinin group. P. Hüssy. No. 1,261,235; Apr. 2; v. 249; p. 68.
Therapeutically-valuable derivatives of para-aminophenol. M. Hartmann. No. 1,263,238; Apr. 16; v. 249; p. 692.
Thermal boxes, Making. E. G. Corwin. No. 1,253,007; Jan. 8; v. 246; p. 488.
Thermal motor. F. Bangerter. No. 1,260,300; Mar. 26; v. 248; p. 780.
Thermal switch. G. Wilkinson. No. 1,275,814; Aug. 13; v. 253; p. 437.
Thermionic repeater. A. M. Nicolson. (Reissue.) No. 14,572; Dec. 17; v. 257; p. 627.
Thermo-couple and constructing same. L. W. Chubb. No. 1,289,116; Dec. 31; v. 257; p. 837.
Thermo-electric generator. F. D. Shindel. No. 1,286,429; Dec. 3; v. 257; p. 60.
Thermometer-case. H. S. Wright. No. 1,257,060; Feb. 19; v. 247; p. 646.
Thermometer, Distance-. J. F. J. Malone. No. 1,284,915; Nov. 12; v. 256; p. 411.
Thermometer-holder, Formaldehyde. L. Martocci-Pisculli. No. 1,253,857; Jan. 15; v. 246; p. 765.
Thermometer installation. L. S. Chadwick. No. 1,274,512; Aug. 6; v. 253; p. 49.
Thermometer, Mechanical. A. E. Whittier. No. 1,273,707; July 23; v. 252; p. 906.
Thermometer or similar instrument sterilizer. M. Bye. No. 1,282,749; Oct. 29; v. 255; p. 845.
Thermometer, Recording-. W. Barstow. No. 1,264,478; Apr. 30; v. 249; p. 1088.
Thermometers, Making. F. J. Berberich. No. 1,255,979; Feb. 12; v. 247; p. 292.
Thermometers, Making. M. E. Moeller. No. 1,274,576; Aug. 6; v. 253; p. 67.
Thermoregulator. C. P. Steinmetz. No. 1,276,589; Aug. 20; v. 253; p. 684.
Thermostat. H. Beck. No. 1,287,188; Dec. 10; v. 257; p. 283.

Thermostat. F. S. Denison. No. 1,282,546; Oct. 22; v. 255; p. 762.
Thermostat. E. B. Lane. No. 1,254,814; Jan. 29; v. 246; p. 1089.
Thermostat. G. I. Leonard. No. 1,278,483; Sept. 10; v. 254; p. 336.
Thermostat. H. D. Montgomery. No. 1,283,260; Oct. 29; v. 255; p. 984.
Thermostat. G. E. Spear. No. 1,258,161; Mar. 5; v. 248; p. 62.
Thermostat-indicator. J. H. Swan. No. 1,269,758; June 18; v. 251; p. 522.
Thermostatic control device. C. L. Fortier. No. 1,267,319; May 21; v. 250; p. 735.
Thermostatic control of explosive mixtures, Double. W. J. Henley, Jr. No. 1,286,621; Dec. 3; v. 257; p. 107.
Thermostatic controller for signal apparatus. A. Giaccone. No. 1,287,667; Dec. 17; v. 257; p. 431.
Thermostatic device. G. A. James. No. 1,253,041; Jan. 8; v. 246; p. 499.
Thermostatic time cut-out. J. C. Francis. No. 1,271,558; July 9; v. 252; p. 259.
Thermostatic trap. R. N. Trane. No. 1,288,296; Dec. 17; v. 257; p. 587.
Thickener. H. B. Faber. No. 1,253,162; Jan. 8; v. 246; p. 533.
Thickening process, Continuous. A. L. Genter. No. 1,263,226; Apr. 16; v. 249; p. 689.
Thigh-reducer. M. V. Vincent. No. 1,285,481; Nov. 19; v. 256; p. 592.
Thill-coupling. M. F. Bishop. No. 1,267,501; May 28; v. 250; p. 813.
Thill-coupling. W. A. Buchanan. No. 1,283,652; Nov. 5; v. 256; p. 57.
Thill-coupling. W. A. Buchanan. No. 1,287,213; Dec. 10; v. 257; p. 289.
Thimble. G. J. Balkey. No. 1,260,952; Mar. 26; v. 248; p. 967.
Thimble. J. B. Baxter. No. 1,276,011; Aug. 20; v. 253; p. 523.
Thimble. S. Colburn. No. 1,270,699; June 25; v. 251; p. 803.
Thimble. A. Gibson. No. 1,255,004; Jan. 29; v. 246; p. 1144.
Thimble. L. Terry. No. 1,263,002; Apr. 16; v. 249; p. 626.
Thimble and thread-cutter, Combined. E. C. Alvord. No. 1,288,791; Dec. 24; v. 257; p. 735.
Thimble, Glove-. W. W. Manning. No. 1,273,256; July 23; v. 252; p. 786.
Thistle-puller. H. J. Genske. No. 1,288,559; Dec. 24; v. 257; p. 678.
Thistle-pulling machine. H. F. Hoehne. No. 1,267,073; May 21; v. 250; p. 669.
Thoracentesis apparatus. J. Felsen. No. 1,284,630; Nov. 12; v. 256; p. 338.
Thread-carrier. J. Lacroix. No. 1,283,813; Nov. 5; v. 256; p. 98.
Thread-controlling mechanism. E. B. Allen and B. F. Crosby. No. 1,275,999; Aug. 20; v. 253; p. 519.
Thread-controlling mechanism, Looper-. N. D. Clark. No. 1,289,663; Dec. 31; v. 257; p. 972.
Thread-cops, Support for. O. K. Smith. No. 1,283,939; Nov. 5; v. 256; p. 132.
Thread-cutter. C. H. Taylor. No. 1,276,445; Aug. 20; v. 253; p. 645.
Thread cutter and holder. J. M. Majors. No. 1,266,032; May 14; v. 250; p. 349.
Thread-cutting device. W. J. Hampton. No. 1,275,677; Aug. 13; v. 253; p. 398.
Thread-cutting device. A. C. Klatt. No. 1,262,516; Apr. 9; v. 249; p. 458.
Thread-cutting-device holder. J. J. Grobe. No. 1,277,915; Sept. 3; v. 254; p. 161.
Thread-cutting mechanism. J. Triem. No. 1,255,489; Feb. 5; v. 247; p. 108.
Thread-cutting tool. J. W. Lane. No. 1,270,958; July 2; v. 252; p. 58.
Thread-cutting tool or mill. H. P. Armson. No. 1,256,637; Feb. 19; v. 247; p. 522.
Thread-fastening machine. F. N. La Chapelle. No. 1,271,481; July 2; v. 252; p. 202.
Thread-gage. N. G. Begle. No. 1,289,089; Dec. 31; v. 257; p. 831.
Thread-gage. F. O. Wells and D. G. Baker. No. 1,289,985; Dec. 31; v. 257; p. 1052.
Thread-guide. E. H. Stines. No. 1,271,492; July 2; v. 252; p. 206.
Thread-guide, Adjustable. J. E. and W. L. Williams. No. 1,281,887; Oct. 15; v. 255; p. 543.
Thread-guide for shuttles. F. Cass. No. 1,282,754; Oct. 29; v. 255; p. 846.
Thread-guide for textile-machines. F. Cass. No. 1,262,750; Apr. 16; v. 249; p. 554.
Thread-guiding device. T. Sauer. No. 1,282,953; Oct. 29; v. 255; p. 902.
Thread-holder. E. M. Fort. No. 1,272,030; July 9; v. 252; p. 392.
Thread-holder. G. S. Hill. No. 1,269,082; June 11; v. 251; p. 304.
Thread-holder. E. A. Turner. No. 1,261,460; Apr. 2; v. 249; p. 132.
Thread holder and guide. S. E. Truett. No. 1,285,846; Nov. 26; v. 256; p. 725.
Thread masses, Machine for packaging tubular. C. W. Hubbard. No. 1,269,816; June 18; v. 251; p. 539.
Thread-milling machine. O. Zerk and G. W. Drake. No. 1,252,763; Jan. 8; v. 246; p. 417.
Thread or worm cutter. C. H. Taylor. No. 1,273,421; July 23; v. 252; p. 830.
Threads of cellulosic material and the threads so produced, Treating. C. E. Vanderkleed and J. E. Brewer. No. 1,269,340; June 11; v. 251; p. 376.
Thread parting and clamping mechanism. J. Northrop. No. 1,279,412; Sept. 17; v. 254; p. 617.
Thread-parting device. C. H. Draper and J. Northrop. No. 1,279,298; Sept. 17; v. 254; p. 586.
Thread-placer. A. F. Morell. No. 1,259,656; Mar. 19; v. 248; p. 561.
Thread-positioner. A. E. Rhoades. No. 1,261,620; Apr. 2; v. 249; p. 178.
Thread-rolling machine, Automatic. L. W. Thorsell. No. 1,254,176; Jan. 22; v. 246; p. 875.
Thread tension and controlling device. J. F. Bartlett. No. 1,262,002; Apr. 9; v. 249; p. 316.
Threads, Device for coating. D. F. Davis. No. 1,284,254; Nov. 12; v. 256; p. 243.
Threads from fabrics, Machine for extracting. G. Keller. No. 1,279,876; Sept. 24; v. 254; p. 774.
Threads from viscose, Manufacturing of. T. H. Verhave No. 1,280,338; Oct. 1; v. 255; p. 63.
Threads from woven fabrics, Machine for extracting. J. W. Eshelman. No. 1,261,373; Apr. 2; v. 249; p. 109.
Threading-machine, take-up and rewinding mechanism, Automatic. P. R. Gonsky. No. 1,260,185; Mar. 19; v. 248; p. 713.
Threading-tool. J. J. Flynn. No. 1,259,504; Mar. 19; v. 248; p. 519.
Threading-tool for automatic machines. H. T. White. No. 1,281,455; Oct. 15; v. 255; p. 428.
Threadless bolt. W. R. Hedrick. No. 1,256,227; Feb. 12; v. 247; p. 367.
Thresher. J. M. Cason. No. 1,252,398; Jan. 8; v. 246; p. 310.
Thresher. R. B. Hitchcock. No. 1,261,813; Apr. 9; v. 249; p. 265.
Thresher. E. Williams. No. 1,257,058; Feb. 19; v. 247; p. 646.
Thresher or seeder, Flax. C. G. Cooke. No. 1,284,246; Nov. 12; v. 256; p. 240.
Threshing-machine. J. G. Buchanan. No. 1,260,140; Mar. 19; v. 248; p. 700.
Threshing-machine. W. H. Butterworth. No. 1,257,802; Feb. 26; v. 247; p. 899.
Threshing-machine. N. G. Ek. No. 1,257,592; Feb. 26; v. 247; p. 837.
Threshing-machine. J. B. Elliott. No. 1,262,760; Apr. 16; v. 249; p. 558.
Threshing-machine. A. T. and G. G. Friberg. No. 1,253,167; Jan. 8; v. 246; p. 535.
Threshing-machine. G. A. Gaylord and G. W. Border. No. 1,282,408; Oct. 22; v. 255; p. 725.
Threshing-machine. P. Habeck. No. 1,263,233; Apr. 16; v. 249; p. 691.
Threshing-machine. J. D. Jones. No. 1,254,506; Jan. 22; v. 246; p. 969.
Threshing-machine. A. Malmros. No. 1,254,422; Jan. 22; v. 246; p. 945.
Threshing-machine. P. A. Noack. No. 1,269,109; June 11; v. 251; p. 311.
Threshing-machine. G. E. Richmond. No. 1,287,439; Dec. 10; v. 257; p. 344.
Threshing-machine. B. Wieler. No. 1,254,750; Jan. 29; v. 246; p. 1070.
Threshing-machine attachment. G. O. Wiger. No. 1,288,341; Dec. 17; v. 257; p. 597.
Threshing-machine band-cutter and feeder. C. S. Nichols. No. 1,260,014; Mar. 19; v. 248; p. 667.
Threshing-machine conveyer attachment. R. W. Lesher. No. 1,268,857; June 11; v. 251; p. 242.
Threshing-machine feeder. E. F. Altman. No. 1,261,338; Apr. 2; v. 249; p. 99.
Threshing-machine feeder. H. W. Fellows. No. 1,256,120; Feb. 12; v. 247; p. 333.
Threshing-machine feeder. W. Norris. No. 1,256,506; Feb. 12; v. 247; p. 449.
Threshing-machine feeder. T. G. Wisdom. No. 1,269,033; June 11; v. 251; p. 290.
Threshing-machine grain-harvesting device. J. A. Scott. No. 1,275,770; Aug. 13; v. 253; p. 425.
Threshing-machines, Bean-saving device for. G. E. Wadleigh and T. E. Garrison. No. 1,253,312; Jan. 15; v. 246; p. 606.
Threshing-machines, Concave for. W. H. Butterworth. No. 1,259,954; Mar. 19; v. 248; p. 650.
Threshing-machines, Crushing attachment for. J. C. Green. No. 1,267,658; May 28; v. 250; p. 858.
Threshing-machines, Foldable extension-feeder for. C. F. Strnad. No. 1,280,099; Sept. 24; v. 254; p. 834.
Throttle. J. M. Coffey. No. 1,260,646; Mar. 26; v. 248; p. 883.
Throttle-box. J. M. Coffey. No. 1,289,396; Dec. 31; v. 257; p. 908.

Throw-board, Means for operating a. C. L. Vanmeter. No. 1,269,135; June 11; v. 251; p. 318.
Throw-offs, Operating device for impression. E. P. Jennings, Jr. No. 1,279,873; Sept. 24; v. 254; p. 772.
Thumb-rest. W. Meredith. No. 1,269,106; June 11; v. 251; p. 310.
Ticket and hat clip. J. M. Lawlor. No. 1,266,962; May 21; v. 250; p. 636.
Ticket-attaching device, Pin-. M. O. Anthony and G. A. Wallin. No. 1,254,017; Jan. 22; v. 246; p. 830.
Ticket-canceling and coin-fare box. J. M. Johnson. No. 1,253,980; Jan. 15; v. 246; p. 798.
icket case, Car-. W. R. Thomas. No. 1,266,176; May 14; v. 250; p. 391.
Ticket, Cashier's. J. S. Arcus. No. 1,276,159; Aug. 20; v. 253; p. 565.
Ticket, Coupon-. E. A. Henkle. No. 1,253,033; Jan. 8; v. 246; p. 497.
Ticket-dispensing device. J. F. Dwyer. No. 1,268,222; June 4; v. 251; p. 43.
Ticket-dispensing machine. N. Shure. No. 1,266,069; May 14; v. 250; p. 360.
Ticket-distributer. F. C. Mendeck. No. 1,275,717; Aug. 13; v. 253; p. 410.
Ticket-holder. J. L. Bowden. No. 1,253,132; Jan. 8; v. 246; p. 525.
Ticket-holder. A. Clark. No. 1,252,237; Jan. 1; v. 246; p. 230.
Ticket-holder. S. B. Cooke. No. 1,276,493; Aug. 20; v. 253; p. 658.
Ticket-holder. G. A. Mahaney. No. 1,253,070; Jan. 8; v. 246; p. 507.
Ticket-holder. C. O. Miller. No. 1,277,987; Sept. 3; v. 254; p. 180.
Ticket-holder. F. W. Rabbe. No. 1,271,078; July 2; v. 252; p. 91.
Ticket-holder. W. T. Thorp. No. 1,274,628; Aug. 6; v. 253; p. 83.
Ticket holder, Price-. B. C. Baynes. No. 1,279,225; Sept. 17; v. 254; p. 565.
Ticket issuing and auditing machines. J. F. Ohmer. No. 1,274,192; July 30; v. 252; p. 1079.
Ticket-issuing machine. F. Skerl. No. 1,287,122; Dec. 10; v. 257; p. 266.
Ticket-issuing machine. E. J. Von Pein. No. 1,279,616; Sept. 24; v. 254; p. 697.
Ticket-issuing machine, Coin-controlled. F. Skerl. No. 1,288,243; Dec. 17; v. 257; p. 574.
Ticket, Marking-. P. J. Connolly. No. 1,259,723; Mar. 19; v. 248; p. 580.
Ticket mutilating, canceling, and counting device. J. M. Johnson. No. 1,270,837; July 2, v. 252; p. 23.
Ticket, Pin-. M. O. Anthony. No. 1,288,466; Dec. 24; v. 257; p. 654.
Ticket, Pin-. A. G. Thompson. No. 1,252,862; Jan. 8; v. 246; p. 443.
Ticket, Railway-. A. Weinfeld. No. 1,269,026; June 11; v. 251; p. 288.
Tickets and registering receipts, Apparatus for issuing. C. Winter. No. 1,256,412; Feb. 12; v. 247; p. 421.
Tickets and the like, Holder for. M. Macdonald. No. 1,269,723; June 18; v. 251; p. 513.
Tide-motor. P. Reed. No. 1,276,112; Aug. 20; v. 253; p. 551.
Tide-water-power apparatus. L. F. N. Baldwin. No. 1,261,472; Apr. 2; v. 249; p. 135.
Tide-water-storage system. J. Gustafson. No. 1,255,159; Feb. 5; v. 247; p. 13.
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Bale and package tie.
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Concrete tie.
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Tie. G. H. Hardman. No. 1,275,021; Aug. 6; v. 253; p. 193.
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Tie. S. J. Myers. No. 1,258,433; Mar. 5; v. 248; p. 141.
Tie. B. Sorocinksky. No. 1,283,344; Oct. 29; v. 255; p. 1005.
Tie and rail-fastener, Steel. W. I. Black. No. 1,264,001; Apr. 23; v. 249; p. 923.
Tie-clasp. D. Weill. No. 1,269,887; June 18; v. 251; p. 559.
Tie clip, Parcel-. J. A. Kaye. No. 1,282,698; Oct. 22; v. 255; p. 803.
Tie, collar, and button holder. E. W. Tune and W. Williams. No. 1,288,298; Dec. 17; v. 257; p. 588.
Tie fastener, Metallic-rail-. J. H. Klein. No. 1,257,247; Feb. 19; v. 247; p. 700.
Tie-hanger. H. J. Schluckebier. No. 1,283,324; Oct. 29; v. 255; p. 999.
Tie-pin holder. L. M. Campau. No. 1,269,578; June 18; v. 251; p. 471.
Tie-plate. F. McLean. No. 1,276,938; Aug. 27; v. 253; p. 813.
Tie-plate. J. F. Wedgeworth. No. 1,274,118; July 30; v. 252; p. 1059.
Tie-plug machine. H. G. Smart. No. 1,255,060; Jan. 29; v. 246; p. 1159.
Tie-slide. J. V. Brennan. No. 1,269,372; June 11; v. 251; p. 385.
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Tie-tamping device. R. Johnson. No. 1,285,205; Nov. 19; v. 256; p. 523.
Tightening device. H. F. Miller. No. 1,280,800; Oct. 8; v. 255; p. 217.
Tile. J. Park. No. 1,260,568; Mar. 26; v. 248; p. 860.
Tile arch construction. J. Comerma. No. 1,267,747; May 28; v. 250; p. 882.
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Tile-clamp. F. A. Wiswell. No. 1,257,276; Feb. 19; v. 247; p. 710.
Tile-coating apparatus. H. Stommel. No. 1,268,891; June 11; v. 251; p. 250.
Tile-cutter. J. J. Simmonds. No. 1,275,775; Aug. 13; v. 253; p. 426.
Tile for roofs and the like, Coping-. M. M. Tromm. No. 1,276,288; Aug. 20; v. 253; p. 600.
Tile for wall structures. F. Dochnal. No. 1,277,556; Sept. 3; v. 254; p. 61.
Tile-glazing machine. H. Stommel. No. 1,259,925; Mar. 19; v. 248; p. 640.
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Tile, Interlocking sewer-. E. Argo. No. 1,264,138; Apr. 30; v. 249; p. 992.
Tile-laying apparatus. J. L. Steenrod. No. 1,287,781; Dec. 17; v. 257; p. 460.
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Tile-mold. J. A. Ferguson. No. 1,272,647; July 16; v. 252; p. 593.
Tile-mounting board. C. J. Henry. No. 1,280,730; Oct. 8; v. 255; p. 196.
Tile or block. R. W. Schweimler and P. A. Poulallon. No. 1,255,236; Feb. 5; v. 247; p. 34.
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Tile, Roofing-. R. Y. Ames and W. Haywood. No. 1,251,950; Jan. 1; v. 246; p. 150.
Tile, Roofing-. W. P. Beck. No. 1,255,280; Feb. 5; v. 247; p. 47.
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Tile structure and tile therefor. H. B. Naylor. No. 1,261,426; Apr. 2; v. 249; p. 124.
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Tiles and the like, Machine for molding roofing-. O. J. Oakley and E. C. Hughes. No. 1,267,331; May 21; v. 250; p. 739.
Tiles, Filling in hollow cavities in. G. Kaupert. No. 1,256,803; Feb. 19; v. 247; p. 570.
Till. E. R. Gribben. No. 1,261,515; Apr. 2; v. 249; p. 149.
Tillage, Process and machine for soil-. J. S. Wentworth. No. 1,276,843; Aug. 27; v. 253; p. 789.
Tiller, Rotary. D. F. Hession. No. 1,262,791; Apr. 16; v. 249; p. 566.
Tiller, Rotary. D. F. Hession. No. 1,262,792; Apr. 16; v. 249; p. 567.
Tilling machine, Earth-. J. A. Ostenberg. No. 1,255,331; Feb. 5; v. 247; p. 62.
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Tilting furnace or the like. H. J. Kitchen. No. 1,257,879; Feb. 26; v. 247; p. 921.
Timber and other material, Process of and apparatus for preserving and drying. G. B. and G. W. McMullen. No. 1,277,619; Sept. 3; v. 254; p. 80.
Timber-preserving composition. L. A. Cretsinger and J. A. Workman. No. 1,276,725; Aug. 27; v. 253; p. 759.
Timber-sizing machine. H. Hansen. No. 1,261,384; Apr. 2; v. 249; p. 112.
Time-computing device. C. L. Hill. No. 1,277,723; Sept. 3; v. 254; p. 109.
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Time-controlled mechanism. M. L. Doughty and J. W. Ferguson. No. 1,251,760; Jan. 1; v. 246; p. 96.
Time-controlled mechanism. W. H. Greenleaf. No. 1,263,554; Apr. 23; v. 249; p. 801.
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Time-governed regulator. D. J. Powers. No. 1,286,096; Nov. 26; v. 256; p. 784.
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Time-lock movement. R. C. Lewis. No. 1,283,233; Oct. 29; v. 255; p. 977.
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Time-recorder. H. M. Lawton. No. 1,253,185; Jan. 8; v. 246; p. 540.
Time-recorder. T. Ross. No. 1,262,703; Apr. 16; v. 249; p. 541.
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Time-recorders, Elimination device for. C. E. Larrabee. No. 1,277,086; Aug. 27; v. 253; p. 854.
Time-recording and wage-calculating machine, Workman's. L. E. More. No. 1,254,259; Jan. 22; v. 246; p. 898.
Time-recording lock. J. Sokolov. No. 1,261,965; Apr. 9; v. 249; p. 306.
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Time-switch, Electric. E. G. Hoffmann. No. 1,282,578; Oct. 22; v. 255; p. 770.
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Timers and distributers, Combined cam and finger adjustment device for. A. P. Shaw. No. 1,279,594; Sept. 24; p. 254; p. 691.
Timing device. G. W. Ferdon. No. 1,261,915; Apr. 9; v. 249; p. 292.
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Timing mechanism, Mechanism for automatically operating. H. E. Warren. No. 1,251,946; Jan. 1; v. 246; p. 148.
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Tins or the like, Means for opening. A. Jenssen. No. 1,261,240; Apr. 2; v. 249; p. 69.
Tinder-box. K. Wieden. No. 1,257,567; Feb. 26; v. 247; p. 830.
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Tire, Automobile-. J. Woodall. No. 1,279,207; Sept. 17; v. 254; p. 560.
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Tire-base reinforcement. G. H. Lewis. No. 1,281,601; Oct. 15; v. 255; p. 466.
Tire-beads and making same, Reinforcing member for. L. M. Ream. No. 1,270,053; June 18; v. 251; p. 601.
Tire-building machine. A. O. Abbott, Jr. No. 1,255,073; Jan. 29; v. 246; p. 1163.
Tire-building machine. G. F. Fisher. No. 1,288,862; Dec. 24; v. 257; p. 750.
Tire-building machine. G. F. Fisher and R. B. Price. No. 1,264,170; Apr. 30; v. 249; p. 1001.
Tire-building machine. T. Midgley. No. 1,254,827; Jan. 29; v. 246; p. 1094.
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Tire-building machines, Core-handling apparatus for. D. Neal and A. O. Abbott, Jr. No. 1,289,233; Dec. 31; v. 257; p. 866.
Tire-building machines, Traveling buck for. L. B. Griffin. No. 1,278,637; Sept. 10; v. 254; p. 378.
Tire-carcass-supporting means. H. I. Morris. No. 1,268,482; June 4; v. 251; p. 118.
Tire-carcasses, Machine for making. W. C. Stevens. No. 1,253,105; Jan. 8; v. 246; p. 517.
Tire-carcasses, Shaping device for. F. C. Morton. No. 1,278,980; Sept. 17; v. 254; p. 501.
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Tire-carrier and luggage-receptacle, Combined. A. B. Beitman. No. 1,253,339; Jan. 15; v. 246; p. 615.
Tire-carrier for automobiles. A. Christianson. No. 1,254,480; Jan. 22; v. 246; p. 962.
Tire carrier, Spare-. C. F. Wasserfallen. No. 1,279,801; Sept. 24; v. 254; p. 751.
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Tire-casing. A. S. Burdick. No. 1,279,836; Sept. 24; v. 254; p. 761.
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Tire casing, Pneumatic-. A. Cartheuser. No. 1,266,403; May 14; v. 250; p. 450.
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Tire-casings, Means for repairing. E. R. Dull. No. 1,279,301; Sept. 17; v. 254; p. 587.
Tire casings or covers, Forming. A. M. Kobiolke. No. 1,261,821; Apr. 9; v. 249; p. 268.
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Tire chain and armor. W. J. Putnam. No. 1,259,776; Mar. 19; v. 248; p. 596.
Tire-chain clamp. W. Ihnken. No. 1,288,009; Dec. 17; v. 257; p. 517.
Tire-chain, Emergency. W. L. and J. Peterson. No. 1,282,284; Oct. 22; v. 255; p. 690.
Tire-chain fastening. Z. A. Church. No. 1,285,042; Nov. 26; v. 256; p. 748.
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Tire-chain tightener. A. L. McLain. No. 1,275,454; Aug. 13; v. 253; p. 337.
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Tobacco-can. G. W. Byrd. No. 1,277,846; Sept. 3; v. 254; p. 143.
Tobacco-can. P. C. Clemmensen. No. 1,280,165; Oct. 1; v. 255; p. 13.
Tobacco-can. R. R. Herrick. No. 1,285,168; Nov. 19; v. 256; p. 514.
Tobacco-conservator. R. J. Barker. No. 1,263,189; Apr. 16; v. 249; p. 680.
Tobacco-cutter. J. Howard. No. 1,261,537; Apr. 2; v. 249; p. 155.
Tobacco-drying-machine indicator. H. L. Gregory. No. 1,268,004; May 28; v. 250; p. 956.
Tobacco-drying system and apparatus. J. B. Muse. No. 1,273,395; July 23; v. 252; p. 823.
Tobacco, Extracting potash and other values from. W. H. Kennedy and G. E. Bailey. No. 1,253,497; Jan. 15; v. 246; p. 661.
Tobacco-hanger. A. M. Helgeson. No. 1,256,690; Feb. 19; v. 247; p. 538.
Tobacco-incising machine, Plug-. J. Peterson. No. 1,266,309; May 14; v. 250; p. 426.
Tobacco-package. A. G. Vale. No. 1,251,598; Jan. 1; v. 246; p. 46.
Tobacco-packing caddy. H. Turner. No. 1,255,954; Feb. 12; v. 247; p. 319.
Tobacco packing-case, Leaf-. H. G. Olive. No. 1,271,932; July 9; v. 252; p. 362.
Tobacco-pipe. A. Angermayer. No. 1,289,071; Dec. 31; v. 257; p. 826.
Tobacco-pipe. W. C. Banker. No. 1,277,826; Sept. 3; v. 254; p. 137.
Tobacco-pipe. L. Demuth. No. 1,257,326; Feb. 26; v. 247; p. 759.
Tobacco-pipe. H. J. Dodd. No. 1,252,251; Jan. 1; v. 246; p. 234.
Tobacco-pipe. J. Giaccone. No. 1,254,673; Jan. 29; v. 246; p. 1046.
Tobacco-pipe. A. Jensen. No. 1,288,012; Dec. 17; v. 257; p. 518.
Tobacco-pipe. E. A. Schubert. No. 1,260,460; Mar. 26; v. 248; p. 826.
Tobacco-pipe and holder for cigars or cigarettes. F. A. Lipscomb. No. 1,280,779; Oct. 8; v. 255; p. 211.
Tobacco-pipe moisture-absorber. A. Fugère. No. 1,280,703; Oct. 8; v. 255; p. 189.
Tobacco, Plug-. E. G. Warner. No. 1,253,313; Jan. 15; v. 246; p. 606.
Tobacco-pouch. W. R. Buxton. No. 1,262,634; Apr. 16; v. 249; p. 521.
Tobacco-press. R. H. Dorsey. No. 1,260,162; Mar. 19; v. 248; p. 706.
Tobacco-press. A. Hartwig. No. 1,257,346; Feb. 26; v. 247; p. 764.
Tobacco, Preventing the development of black rot and other fungous and bacterial diseases in leaf-. W. W. Garner and E. G. Beinhart. No. 1,268,070; May 28; v. 250; p. 973.
Tobacco-receptacle. T. Hosogai. No. 1,265,916; May 14; v. 250; p. 318.
Tobacco-receptacles, Compound for flavoring and coloring. P. J. Nagle. No. 1,283,420; Oct. 29; v. 255; p. 1026.
Tobacco-sizing machine. B. O. Dahl. No. 1,265,180; May 7; v. 250; p. 86.
Tobacco-spearer. H. M. Bowman and F. J. Schaffer. No. 1,278,581; Sept. 10; v. 254; p. 363.
Tobacco-stemmer. H. S. Henderson. No. 1,270,733; June 25; v. 251; p. 811.
Tobacco-stemming machine. L. W. Lawrence. No. 1,267,776; May 28; v. 250; p. 891.
Tobacco-stemming machine. F. C. Schofield. No. 1,268,392; June 4; v. 251; p. 92.
Tobacco-stemming machine. F. C. Schofield. No. 1,286,124; Nov. 26; v. 256; p. 791.
Tobacco-stick. W. A. Styers. No. 1,263,144; Apr. 16; v. 249; p. 668.
Tobacco stripping and booking machine. M. and E. M. Deiller. No. 1,287,906; Dec. 17; v. 257; p. 491.
Tobacco stripping and booking machine. G. M. Williams. No. 1,282,510; Oct. 22; v. 255; p. 752.
Tobacco-stripping machine. J. C. Morris. No. 1,257,728; Feb. 26; v. 247; p. 878.
Tobacco-tier. A. J. Collins. No. 1,262,455; Apr. 9; v. 249; p. 441.
Tobacco, Treating. A. C. Bedortha. No. 1,262,622; Apr. 16; v. 249; p. 518.
Tobacco, Treating. A. C. Bedortha. No. 1,262,623; Apr. 16; v. 249; p. 518.
Tobacco-vending machines, Moistener attachment for. W. I. Ravert. No. 1,280,298; Oct. 1; v. 255; p. 52.
Toboggan, Surf-. G. E. Silvernail. No. 1,262,989; Apr. 16; v. 249; p. 622.
Toe-box inserter. C. Mikkelsen. No. 1,275,069; Aug. 6; v. 253; p. 207.
Toe-calk-sharpening block. W. K. Philp. No. 1,289,535; Dec. 31; v. 257; p. 942.
Toe-cap-forming machine. N. Gourounas. No. 1,262,325; Apr. 9; v. 249; p. 404.
Toggle-bolt. M. H. Paine and W. S. Williams. No. 1,269,302; June 11; v. 251; p. 365.
Toggle-bolt. A. F. Poole. No. 1,271,763; July 9; v. 252; p. 315.
Toggle drawing-press. I. Patrick. No. 1,255,332; Feb. 5; v. 247; p. 63.
Toggle-grinder. D. S. Seymour. No. 1,277,140; Aug. 27; v. 253; p. 869.

Toggle mechanism. F. A. Stevenson. No. 1,276,437; Aug. 20; v. 253; p. 642.
Toggle trimming mechanism. J. E. Ives. No. 1,281,381; Oct. 15; v. 255; p. 409.
Toilet article. H. Lloyd. No. 1,281,605; Oct. 15; v. 255; p. 467.
Toilet article. H. Tribe. No. 1,261,978; Apr. 9; v. 249; p. 310.
Toilet-article casing. E. F. Ciglia. No. 1,272,010; July 9; v. 252; p. 386.
Toilet article, Folding combination. R. Y. Bovee. No. 1,258,179; Mar. 5; v. 248; p. 67.
Toilet-article holder or cabinet. E. W. Lee. No. 1,274,172; July 30; v. 252; p. 1073.
Toilet attachment. P. H. Sager. No. 1,287,113; Dec. 10; v. 257; p. 264.
Toilet-bowl. H. T. Lally, Jr. No. 1,254,609; Jan. 22; v. 246; p. 999.
Toilet-box. M. J. Nolan. No. 1,269,207; June 11; v. 251; p. 339.
Toilet-case. G. E. Keon. No. 1,255,537; Feb. 5; v. 247; p. 123.
Toilet-case. A. A. Wadsworth, Jr. No. 1,280,907; Oct. 8; v. 255; p. 246.
Toilet-chair, Infant's. E. E. Carré. No. 1,281,763; Oct. 15; v. 255; p. 508.
Toilet-compartment. H. T. Cronk. No. 1,265,619; May 7; v. 250; p. 203.
Toilet-kit holder. R. M. Coen. No. 1,281,296; Oct. 15; v. 255; p. 383.
Toilet, Marine. P. C. Hunter. No. 1,278,665; Sept. 10; v. 254; p. 386.
Toilet, Non-freezing. T. Schafer. No. 1,288,691; Dec. 24; v. 257; p. 711.
Toilet outfit. A. F. Waltz. No. 1,267,941; May 28; v. 250; p. 939.
Toilet partition. C. W. Motts. No. 1,256,354; Feb. 12; v. 247; p. 404.
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Toilet-seat. I. N. Wells. No. 1,257,771; Feb. 26; v. 247; p. 889.
Toilet-seat, Child's. M. E. Ream. No. 1,267,590; May 28; v. 250; p. 839.
Toilet-seat cover. J. A. G. Power. No. 1,278,381; Sept. 10; v. 254; p. 310.
Toilet-seat protector, Automatic sanitary. E. Spanos. No. 1,265,272; May 7; v. 250; p. 110.
Toilet-seat protector, Sanitary. I. Levin. No. 1,268,024; May 28; v. 250; p. 961.
Toilet-seat, Sanitary. F. B. Lowe. No. 1,258,794; Mar. 12; v. 248; p. 284.
Toilets, Ventilating system for sanitary. E. J. De Guenther. No. 1,289,124; Dec. 31; v. 257; p. 839.
Tomato and fruit drying apparatus. T. J. Peters. No. 1,259,774; Mar. 19; v. 248; p. 595.
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Tooth, Artificial. W. W. Atkinson. No. 1,278,415; Sept. 10; v. 254; p. 318.
Tooth, Artificial. W. H. Bowman. No. 1,269,521; June 11; v. 251; p. 424.
Tooth, Artificial. G. A. Brouillet. No. 1,281,500; Oct. 15; v. 255; p. 439.
Tooth, Artificial. H. O. Cowdrick. No. 1,264,615; Apr. 30; v. 249; p. 1127.
Tooth, Artificial. T. W. Dee. No. 1,282,199; Oct. 22; v. 255; p. 668.
Tooth, Artificial. T. F. Glenn. No. 1,267,861; May 28; v. 250; p. 917.
Tooth, Artificial. E. T. Goldberg. No. 1,253,585; Jan. 15; v. 246; p. 687.
Tooth, Artificial. G. W. Grimm. No. 1,270,942; July 2; v. 252; p. 54.
Tooth, Artificial. G. W. Grimm. No. 1,270,943; July 2; v. 252; p. 54.
Tooth, Artificial. E. R. Hoff. No. 1,269,440; June 11; v. 251; p. 402.
Tooth, Artificial. W. M. Muchow. No. 1,267,442; May 28; v. 250; p. 798.
Tooth, Artificial. F. H. Russell. No. 1,265,252; May 7; v. 250; p. 105.
Tooth, Artificial. E. R. Zürcher-Hinnen. No. 1,260,118; Mar. 19; v. 248; p. 695.
Tooth-backings, Process and apparatus for making. E. N. Rich and W. E. Groff. No. 1,257,120; Feb. 19; v. 247; p. 662.
Tooth-brush holder. J. P. Eustis. No. 1,283,403; Oct. 29; v. 255; p. 1022.
Tooth-brush sterilizer and retainer. S. H. Thompson. No. 1,278,789; Sept. 10; v. 254; p. 419.
Tooth-clamp, Illuminating. S. F. Brannan. No. 1,266,659; May 21; v. 250; p. 554.
Tooth comfort kit. A. Weber. No. 1,274,116; July 30; v. 252; p. 1059.
Tooth-crown and backing adjustment, Porcelain. F. E. Hart. No. 1,253,967; Jan. 15; v. 246; p. 794.
Tooth-crown holder. J. H. Elliott. No. 1,278,124; Sept. 10; v. 254; p. 241.
Tooth-facings, Forming and applying. D. A. Zurbrigg. No. 1,265,022; May 7; v. 250; p. 42.
Tooth fastening, Artificial-. W. J. Curry. No. 1,263,311; Apr. 16; v. 249; p. 711.
Tooth-fillings, Device for measuring materials for. A. W. Gray. No. 1,286,881; Dec. 3; v. 257; p. 165.
Tooth, Interchangeable anterior. P. V. Humphries. No. 1,258,413; Mar. 5; v. 248; p. 136.
Tooth-powder can and brush-holder. C. N. Greaza. No. 1,270,512; June 25; v. 251; p. 754.
Tooth-regulator. J. E. Canning. No. 1,271,850; July 9; v. 252; p. 339.
Tooth restoration, Matrix for use in. D. A. Zurbrigg. No. 1,265,581; May 7; v. 250; p. 192.
Tooth structure. I. A. Eppstein. No. 1,263,752; Apr. 23; v. 249; p. 853.
Tooth to a backing or bridge plate, Means for attaching an artificial. H. D. Morgan. No. 1,261,737; Apr. 2; v. 249; p. 209.

Toothpick-container. A. H. Mones. No. 1,280,804; Oct. 8; v. 255; p. 218.
Toothpick-dispensing device. W. J. McIntyre. No. 1,272,825; July 16; v. 252; p. 643.
Toothpick-holder, Sanitary. L. Johnson. No. 1,262,055; Apr. 9; v. 249; p. 329.
Top. H. A. Frederick. No. 1,265,644; May 7; v. 250; p. 209.
Top. F. J. Kristofek. No. 1,262,061; Apr. 9; v. 249; p. 331.
Top. G. P. Schmidt. No. 1,260,717; Mar. 26; v. 248; p. 903.
Top. E. F. Schoell. No. 1,253,195; Jan. 8; v. 246; p. 543.
Top and wind-shield connector. J. H. Hensen. No. 1,266,123; May 14; v. 250; p. 376.
Top comb for cotton-combers. F. L. Crockett. No. 1,260,876; Mar. 26; v. 248; p. 947.
Top, Folding. M. Buch. No. 1,285,922; Nov. 26; v. 256; p. 743.
Top roll. F. M. Buxton. No. 1,258,868; Mar. 12; v. 248; p. 306.
Top roll. L. W. Campbell. No. 1,286,936; Dec. 10; v. 257; p. 218.
Top, Spinning-. J. Komorous. No. 1,267,558; May 28; v. 250; p. 829.
Top, Spinning-. A. J. Reynders. No. 1,261,854; Apr. 9; v. 249; p. 276.
Tops and bows for the same, Manufacturing. J. Jennison and G. H. Higgins. No. 1,272,451; July 16; v. 252; p. 536.
Torch. A. J. Archambault. No. 1,260,741; Mar. 26; v. 248; p. 910.
Torch. J. Harris. No. 1,258,769; Mar. 12; v. 248; p. 277.
Torch. F. W. Henricson. No. 1,255,745; Feb. 5; v. 247; p. 183.
Torch. E. J. Horn and F. Lindhorst. No. 1,275,260; Aug. 13; v. 253; p. 284.
Torch. E. J. Horn and F. Lindhorst. No. 1,287,692; Dec. 17; v. 257; p. 437.
Torch, Acetylene-. L. Chapt. No. 1,278,303; Sept. 10; v. 254; p. 289.
Torch, Acetylene-. O. N. Crispell. No. 1,261,712; Apr. 2; v. 249; p. 203.
Torch, Acetylene welding-. E. H. Smith. No. 1,280,884; Oct. 8; v. 255; p. 240.
Torch, Blow-. R. E. Campbell. No. 1,289,042; Dec. 24; v. 257; p. 794.
Torch, Blow-. G. T. Cunningham. No. 1,265,621; May 7; v. 250; p. 203.
Torch, Blow-. E. D. Gilbert. No. 1,277,905; Sept. 3; v. 254; p. 158.
Torch, Blow-. A. R. Gross. No. 1,274,260; July 30; v. 252; p. 1098.
Torch, Blow-. J. O. Olson. No. 1,261,277; Apr. 2; v. 249; p. 81.
Torch, Blowpipe and cutting-. J. Harris. No. 1,282,416; Oct. 22; v. 255; p. 727.
Torch, Cutting-. J. B. Anderson. No. 1,282,353; Oct. 22; v. 255; p. 709.
Torch, Cutting-. W. C. Bucknam and H. Cave. No. 1,254,637; Jan. 22; v. 246; p. 1007.
Torch, Cutting-. F. Y. Dibble. No. 1,280,420; Oct. 1; v. 255; p. 85.
Torch, Cutting-. W. F. Moorhouse. No. 1,280,068; Sept. 24; v. 254; p. 825.
Torch, Cutting-. J. J. Strobot. No. 1,281,871; Oct. 15; v. 255; p. 539.
Torch, Cutting and welding. E. P. Carlson. No. 1,281,289; Oct. 15; v. 255; p. 381.
Torch, Cutting and welding. A. F. Jenkins. No. 1,274,052; July 30; v. 252; p. 1040.
Torch, Cutting and welding. A. F. Jenkins. No. 1,274,053; July 30; v. 252; p. 1040.
Torch, Cutting and welding. A. H. Jones and C. H. MacNichols. No. 1,262,351; Apr. 9; v. 249; p. 413.
Torch, Hand blast-. B. M. Howell. No. 1,262,499; Apr. 9; v. 249; p. 454.
Torch, Hydrocarbon-. C. G. Filzer. No. 1,274,403; Aug. 6; v. 253; p. 17.
Torch, Igniter-. J. F. and A. O. Rutz. No. 1,280,859; Oct. 8; v. 255; p. 233.
Torch, Oil-. W. H. Diffendall. No. 1,278,881; Sept. 17; v. 254; p. 474.
Torch or fire-pot, Blow-. M. Goldberger. No. 1,281,345; Oct 15; v. 255; p. 398.
Torch, Oxyacetylene-. A. C. Fort. No. 1,284,085; Nov. 5; v. 256; p. 171.
Torch, Oxyacetylene-. G. P. Hendricks. No. 1,264,516; Apr. 30; v. 249; p. 1098.
Torch, Welding-. M. Fischer. No. 1,276,893; Aug. 27; v. 253; p. 801.
Torch, Welding-. J. Harris. No. 1,277,068; Aug. 27; v. 253; p. 848.
Torch, Welding-. J. C. Theberath. No. 1,264,581; Apr. 30; v. 249; p. 1117.
Torch, Welding or cutting. A. C. McGee. No. 1,259,885; Mar. 19; v. 248; p. 628.
Torches, Electric lighter for oxyacetylene-. A. M. Lofstrom. No. 1,281,036; Oct. 8; v. 255; p. 279.
Torches, Protecting-shield for. C. R. Lambert. No. 1,258,229; Mar. 5; v. 248; p. 81.
Torpedo. W. J. Peters. No. 1,279,152; Sept. 17; v. 254; p. 546.
Torpedo. E. D. Priest. No. 1,273,668; July 23; v. 252; p. 897.
Torpedo. J. M. Seymour, Jr. No. 1,265,262; May 7; v. 250; p. 107.
Torpedo. J. M. Seymour, Jr. No. 1,275,482; Aug. 13; v. 253; p. 344.
Torpedo, Air-. F. B. Wuebben. No. 1,273,303; July 23; v. 252; p. 797.
Torpedo and mine deflector. A. Lanzetta. No. 1,267,672; May 28; v. 250; p. 862.
Torpedo-boat. E. F. Chandler. No. 1,266,103; May 14; v. 250; p. 370.
Torpedo-deflector. F. W. Pendergast. No. 1,257,521; Feb. 26; v. 247; p. 816.
Torpedo-deflector. F. Rembecki. No. 1,289,264; Dec. 31; v. 257; p. 874.
Torpedo-deflector disk. J. Holland. No. 1,284,339; Nov. 12; v. 256; p. 266.
Torpedo-fender. C. A. Bates. No. 1,259,341; Mar. 12; v. 248; p. 441.
Torpedo-guard. F. A. Anderson. No. 1,282,520; Oct. 22; v. 255; p. 754.
Torpedo-guard. A. E. Bolio. No. 1,261,349; Apr. 2; v. 249; p. 102.
Torpedo-guard. J. B. Cressler. No. 1,267,383; May 28; v. 250; p. 781.
Torpedo-guard. G. Danovaro. No. 1,270,020; June 18; v. 251; p. 594.
Torpedo-guard. J. E. Marpole. No. 1,264,112; Apr. 23; v. 249; p. 951.
Torpedo-guard. O. Pilalis. No. 1,277,117; Aug. 27; v. 253; p. 862.
Torpedo-guard. F. G. Rolf. No. 1,267,274; May 21; v. 250; p. 724.
Torpedo-guard. P. A. Stephens. No. 1,257,757; Feb. 26; v. 247; p. 885.
Torpedo-guard. C. Vender. No. 1,279,947; Sept. 24; v. 254; p. 793.
Torpedo-guard. H. L. Weber. No. 1,264,584; Apr. 30; v. 249; p. 1118.
Torpedo-guard. B. G. Willis. No. 1,267,032; May 21; v. 250; p. 667.
Torpedo-guard. M. Zajac. No. 1,268,661; June 4; v. 251; p. 168.
Torpedo guard and catcher. A. Ulanytzky. No. 1,257,154; Feb. 19; v. 247; p. 673.
Torpedo-guard for ships. T. M. Austen. No. 1,265,161; May 7; v. 250; p. 80.
Torpedo-guard for ships. E. Mattson. No. 1,256,346; Feb. 12; v. 247; p. 401.
Torpedo-guard for ships. R. J. Shields. No. 1,271,090; July 2; v. 252; p. 95.
Torpedo-guard for ships, boats, or vessels. J. W. Ivory No. 1,263,064; Apr. 16; v. 249; p. 644.
Torpedo-intercepting device. H. M. Robertson. No. 1,264,863; Apr. 30; v. 249; p. 1193.
Torpedo, Land-. G. L. Aydelotte. No. 1,276,706; Aug. 27; v. 253; p. 754.
Torpedo-launching apparatus. F. Baker. No. 1,285,586; Nov. 26; v. 256; p. 658.
Torpedo, Long-range. J. S. Johnston. No. 1,272,964; July 16; v. 252; p. 682.
Torpedo, Metallic railway signal-. F. Dutcher. No. 1,284,620; Nov. 12; v. 256; p. 335.
Torpedo-net. A. Hedina. No. 1,264,927; May 7; v. 250; p. 15.
Torpedo-net, Electrical. A. Hedina. No. 1,264,926; May 7; v. 250; p. 14.
Torpedo-netting. E. A. Clark. No. 1,260,256; Mar. 19; v. 248; p. 733.
Torpedo-netting. N. T. Fogg. No. 1,271,689; July 9; v. 252; p. 296.
Torpedo protection for cargo and other vessels. W. A. Dobson. No. 1,264,620; Apr. 30; v. 249; p. 1128.
Torpedo-protective device for vessels. R. Nittner. No. 1,280,525; Oct. 1; v. 255; p. 114.
Torpedo-protector for boats. C. F. Bacon. No. 1,271,415; July 2; v. 252; p. 184.
Torpedo-protector for ships. C. Dwyer. No. 1,262,469; Apr. 9; v. 249; p. 445.
Torpedo-protector for vessels. F. A. Thomas. No. 1,263,003; Apr. 16; v. 249; p. 626.
Torpedo, Railway signal-. F. Dutcher. No. 1,256,990; Feb. 19; v. 247; p. 627.
Torpedo, Railway signal-. F. Dutcher. No. 1,256,991; Feb. 19; v. 247; p. 627.
Torpedo, Railway signal-. F. Dutcher. No. 1,278,887; Sept. 17; v. 254; p. 476.
Torpedo, Railway signal-. F. Dutcher. No. 1,284,621; Nov. 12; v. 256; p. 335.
Torpedo-repelling device. M. Ciganenko. No. 1,273,330; July 23; v. 252; p. 805.
Torpedo-shield. S. D. Robins. No. 1,266,715; May 21; v. 250; p. 569.
Torpedo, Signaling-. A. Cimorosi. No. 1,285,040; Nov. 19; v. 256; p. 481.
Torpedo-snare. A. M. Lane. No. 1,272,680; July 16; v. 252; p. 601.
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Torpedo trap or guard. L. E. Armstrong. No. 1,256,194; Feb. 12; v. 247; p. 357.
Torpedo trap or guard. L. E. Armstrong. No. 1,268,419; June 4; v. 251; p. 99.
Torpedo, Well-. W. A. Coby and F. E. Davidson. No. 1,273,825; July 30; v. 252; p. 976.
Torpedo, Well-shooting. H. L. Franklin. No. 1,270,719; June 25; v. 251; p. 807.
Torpedoes and mines, Protection of vessels against. J. D. Ehrlich. No. 1,253,017; Jan. 8; v. 246; p. 491.
Torpedoes, Apparatus for aiming and launching automobile. G. C. Davison. No. 1,265,753; May 14; v. 250; p. 271.
Torpedoes, Apparatus for carrying submarine. B. F. Seiford. No. 1,257,747; Feb. 26; v. 247; p. 883.
Torpedoes, Device for exhausting the motive fluid from self-propelled. C. Radiguer. No. 1,261,851; Apr. 9; v. 249; p. 276.
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Torpedoes, Method and apparatus for the manufacture of railway signal-. A. S. and H. A. Pattison. No. 1,282,624; Oct. 22; v. 255; p. 783.
Torque-regulator. F. E. Ricketts. No. 1,286,415; Dec. 3; v. 257; p. 57.
Tortilla-forming machine. T. Rios. No. 1,263,929; Apr. 23; v. 249; p. 904.
Tortilla-machine. P. G. Garza. No. 1,263,317; Apr. 16; v. 249; p. 713.
Tortillas, Machine for cooking. P. G. Garza. No. 1,280,205; Oct. 1; v. 255; p. 25.
Totalizator. G. A. Julius. No. 1,280,754; Oct. 8; v. 255; p. 203.
Tourniquet. H. W. Plummer. No. 1,281,653; Oct. 15; v. 255; p. 479.
Towel-bar fixture. H. Kroedel. No. 1,280,244; Oct. 1; v. 255; p. 36.
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Towel-dispenser. C. S. Bennett. No. 1,281,125; Oct. 8; v. 255; p. 304.
Towel-dispensing device. G. M. Hubinger. No. 1,268,246; June 4; v. 251; p. 49.
Towel-holder. G. M. Hubinger. No. 1,267,414; May 28; v. 250; p. 790.
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Towel-holder. J. Tabrah. No. 1,289,017; Dec. 24; v. 257; p. 788.
Towel-operating machine. O. Schwimmer. No. 1,274,611; Aug. 6; v. 253; p. 78.
Towel-rack. L. Straub. No. 1,281,695; Oct. 15; v. 255; p. 490.
Towel-rack structure, Individual-. H. A. Ammann. No. 1,284,549; Nov. 12; v. 256; p. 318.
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Tower, Combined atmospheric cooling and condensing. E. Burhorn. No. 1,287,630; Dec. 17; v. 257; p. 421.
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Toy. M. D. Adler. No. 1,275,997; Aug. 20; v. 253; p. 519.
Toy. F. T. Ahern. No. 1,265,718; May 14; v. 250; p. 261.
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Toy. F. Schlattau. No. 1,289,928; Dec. 31; v. 257; p. 1039.
Toy. P. J. Schrader. No. 1,288,226; Dec. 17; v. 257; p. 570.
Toy. F. H. Schroer. No. 1,258,151; Mar. 5; v. 248; p. 58.
Toy. G. J. Selm. No. 1,273,416; July 23; v. 252; p. 829.
Toy. J. H. Simpson. (Reissue.) No. 14,425; Jan. 22; v. 246; p. 1009.
Toy. D. E. Small. No. 1,269,968; June 18; v. 251; p. 579.
Toy. R. P. Smith. No. 1,266,874; May 21; v. 250; p. 612.
Toy. F. A. Stahl. No. 1,281,866; Oct. 15; v. 255; p. 538.

Toy. W. G. Steen. No. 1,259,923; Mar. 19; v. 248; p. 640.
Toy. W. C. Vanneman. No. 1,252,515; Jan. 8; v. 246; p. 344.
Toy. O. E. Wall. No. 1,275,331; Aug. 13; v. 253; p. 303.
Toy. B. P. Willett. No. 1,272,748; July 16; v. 252; p. 621.
Toy. J. E. Wilson. No. 1,283,390; Oct. 29; v. 255; p. 1019.
Toy. P. J. Wilson. No. 1,253,449; Jan. 15; v. 246; p. 649.
Toy. G. Zito. No. 1,284,544; Nov. 12; v. 256; p. 316.
Toy, Acrobatic. C. A. Meurer. No. 1,265,803; May 14; v. 250; p. 285.
Toy, Acrobatic figure. A. Gundling. No. 1,272,946; July 16; v. 252; p. 677.
Toy, Advertising and educational. M. S. Goldman. No. 1,273,605; July 23; v. 252; p. 880.
Toy, Aerial. W. H. J. Downey. No. 1,262,313; Apr. 9; v. 249; p. 401.
Toy aeroplane. E. Sprague, Jr. No. 1,267,135; May 21; v. 250; p. 687.
Toy, Air-operated. C. Koshalko. No. 1,251,673; Jan. 1; v. 246; p. 70.
Toy airship. M. Lustig. No. 1,288,946; Dec. 24; v. 257; p. 772.
Toy and advertising device, Combined. H. Kiriyama. No. 1,262,676; Apr. 16; v. 249; p. 533.
Toy and amusement device. S. H. Weilman. No. 1,257,563; Feb. 26; v. 247; p. 828.
Toy and container, Combined. W. M. Decker. No. 1,260,343; Mar. 26; v. 248; p. 793.
Toy and manufacturing same. S. L. McIntire. No. 1,278,701; Sept. 10; v. 254; p. 397.
Toy, Animal. A. E. Woolnough. No. 1,286,866; Dec. 3; v. 257; p. 161.
Toy animal and the like and making same, Papier-mâché. O. A. Thibault. No. 1,270,346; June 25; v. 251; p. 707.
Toy, Aquatic. H. T. and E. J. Kingsbury. No. 1,268,016; May 28; v. 250; p. 959.
Toy, Automobile. O. W. Barrick and J. E. Speicher. No. 1,269,250; June 11; v. 251; p. 352.
Toy automobile and rapid-fire gun. J. B. Blackshear. No. 1,289,621; Dec. 31; v. 257; p. 963.
Toy, Automobile figure. L. Saxon. No. 1,261,300; Apr. 2; v. 249; p. 87.
Toy-balloon valve. F. M. Dayton. No. 1,251,758; Jan. 1; v. 246; p. 95.
Toy bank. W. A. Coventry. No. 1,274,010; July 30; v. 252; p. 1027.
Toy bank. S. Siegel. No. 1,265,125; May 7; v. 250; p. 71.
Toy blocks. G. E. Shaw. No. 1,281,856; Oct. 15; v. 255; p. 535.
Toy building-block. H. S. Palmer. No. 1,274,353; July 30; v. 252; p. 1122.
Toy building-block. H. L. Post. No. 1,281,832; Oct. 15; v. 255; p. 528.
Toy building-blocks. H. V. Wesche. No. 1,286,462; Dec. 3; v. 257; p. 69.
Toy building construction. J. E. Euwer. No. 1,271,145; July 2; v. 252; p. 110.
Toy building construction. A. C. Gilbert. No. 1,270,812; July 2; v. 252; p. 16.
Toy building element. A. C. Gilbert. No. 1,261,019; Apr. 2; v. 249; p. 8.
Toy building elements. G. Lavanchy. No. 1,271,180; July 2; v. 252; p. 121.
Toy cannon. T. R. Arden. No. 1,270,764; July 2; v. 252; p. 3.
Toy cannon. T. R. Arden. No. 1,270,765; July 2; v. 252; p. 3.
Toy cannon. T. R. Arden. No. 1,276,308; Aug. 20; v. 253; p. 605.
Toy cannon. J. B. Blackshear. No. 1,289,622; Dec. 31; v. 257; p. 963.
Toy cannon. J. H. Burgher. No. 1,260,633; Mar. 26; v. 248; p. 879.
Toy cannon. J. Dittrick. No. 1,282,549; Oct. 22; v. 255; p. 763.
Toy cannon. E. Kessler. No. 1,276,078; Aug. 20; v. 253; p. 542.
Toy cannon. J. D. Kilgore. No. 1,258,018; Mar. 5; v. 248; p. 21.
Toy cannon. E. J. Kingsbury. No. 1,279,122; Sept. 17; v. 254; p. 537.
Toy cannons and guns, Projectile or shell for. W. O. McDaniel. No. 1,285,287; Nov. 19; v. 256; p. 543.
Toy car. J. L. Cowen. No. 1,272,390; July 16; v. 252; p. 520.
Toy car. J. L. Cowen. No. 1,272,391; July 16; v. 252; p. 520.
Toy cart. M. B. Dewey. No. 1,272,395; July 16; v. 252; p. 521.
Toy cartridge. M. and R. W. Vidaver. No. 1,284,497; Nov. 12; v. 256; p. 305.
Toy column or girder. A. C. Gilbert. No. 1,260,366; Mar. 26; v. 248; p. 800.
Toy, Composite figure. W. S. Levis. No. 1,272,685; July 16; v. 252; p. 603.
Toy crane or derrick. T. R. Arden. No. 1,283,022; Oct. 29; v. 255; p. 922.
Toy, Cut-out rocking. H. A. Hart. No. 1,255,743; Feb. 5; v. 247; p. 183.
Toy, Dancing. H. Rust. No. 1,280,307; Oct. 1; v. 255; p. 54.
Toy device, Educational. F. O. Singer. No. 1,278,395; Sept. 10; v. 254; p. 313.
Toy, Educational. M. A. Gilman. No. 1,276,344; Aug. 20; v. 253; p. 615.
Toy engine. O. Grove. No. 1,275,017; Aug. 6; v. 253; p. 191.
Toy, Figure. J. Chrapla. No. 1,252,779; Jan. 8; v. 246; p. 421.
Toy, Figure. B. B. Coleman. No. 1,285,047; Nov. 19; v. 256; p. 482.
Toy, Figure. W. E. Emmons. No. 1,268,702; June 4; v. 251; p. 178.
Toy, Figure. A. J. Frueh. No. 1,277,401; Sept. 3; v. 254; p. 19.
Toy, Figure. J. Isaacs. No. 1,276,224; Aug. 20; v. 253; p. 582.
Toy, Figure. C. C. Miller. No. 1,257,093; Feb. 19; v. 247; p. 655.
Toy, Figure. E. C. Owens. No. 1,272,304; July 9; v. 252; p. 469.
Toy, Figure. M. Pelto. No. 1,272,516; July 16; v. 252; p. 553.
Toy, Figure. H. J. Rush. No. 1,276,967; Aug. 27; v. 253; p. 821.
Toy, Figure. K. D. Smith. No. 1,261,635; Apr. 2; v. 249; p. 183.
Toy, Figure. F. R. Springer. No. 1,287,779; Dec. 17; v. 257; p. 459.
Toy, Figure. C. A. Sumner. No. 1,262,998; Apr. 16; v. 249; p. 625.
Toy figure. L. S. Reeves. No. 1,273,538; July 23; v. 252; p. 861.
Toy figure, Jointed. E. J. Read. No. 1,283,558; Nov. 5; v. 256; p. 31.
Toy, Figure wheeled. C. H. B. Stacy. No. 1,270,456; June 25; v. 251; p. 737.
Toy, Figure wheeled. J. Terlecky. No. 1,270,344; June 25; v. 251; p. 707.
Toy firearm. E. F. Slear. No. 1,286,437; Dec. 3; v. 257; p. 62.
Toy flying-machine. A. Harb. No. 1,281,563; Oct. 15; v. 255; p. 456.
Toy for infants. J. N. Van Meter. No. 1,279,615; Sept. 24; v. 254; p. 697.
Toy fort. T. R. Arden. No. 1,282,358; Oct. 22; v. 255; p. 711.
Toy furniture. B. N. Platt. No. 1,257,389; Feb. 26; v. 247; p. 776.
Toy game. E. Schmidt. No. 1,278,228; Sept. 10; v. 254; p. 269.
Toy gun. H. Beck. No. 1,266,533; May 14; v. 250; p. 487.
Toy gun. E. J. Feser and M. L. Peoples. No. 1,266,243; May 14; v. 250; p. 409.
Toy gun. F. J. Kristofek. No. 1,262,060; Apr. 9; v. 249; p. 330.
Toy gun. R. G. Nicholas. No. 1,287,401; Dec. 10; v. 257; p. 336.
Toy gun. J. D. Robilotto. No. 1,277,480; Sept. 3; v. 254; p. 41.
Toy gun. A. N. Schanschieff. No. 1,287,768; Dec. 17; v. 257; p. 457.
Toy gun. A. N. Schanschieff. No. 1,287,769; Dec. 17; v. 257; p. 457.
Toy gun. P. Vincent. No. 1,281,236; Oct. 8; v. 255; p. 336.
Toy-hanger. J. Larsen. No. 1,265,682; May 7; v. 250; p. 219.
Toy hoop. T. Enomoto. No. 1,272,240; July 9; v. 252; p. 451.
Toy house. H. J. Bennett. No. 1,258,086; Mar. 5; v. 248; p. 40.
Toy house. W. Pente. No. 1,263,282; Apr. 16; v. 249; p. 703.
Toy house. C. J. Schmitt. No. 1,287,771; Dec. 17; v. 257; p. 457.
Toy jigger, Push-. F. T. Ahern. No. 1,251,458; Jan. 1; v. 246; p. 3.
Toy jiggers, Brake mechanism for. C. E. Carter. No. 1,281,513; Oct. 15; v. 255; p. 443.
Toy kindergarten appliance, &c. T. Mathews. No. 1,273,643; July 23; v. 252; p. 890.
Toy machine-gun. J. B. Blackshear. No. 1,287,197; Dec. 10; v. 257; p. 285.
Toy, Mechanical. W. S. Austin. No. 1,287,608; Dec. 17; v. 257; p. 416.
Toy, Mechanical. B. F. Bain. No. 1,264,256; Apr. 30; v. 249; p. 1026.
Toy, Mechanical. E. W. Barton. No. 1,286,915; Dec. 10; v. 257; p. 213.
Toy, Mechanical. H. J. Cole. No. 1,279,270; Sept. 17; v. 254; p. 578.
Toy, Mechanical. H. J. Cole. No. 1,279,271; Sept. 17; v. 254; p. 578.
Toy, Mechanical. H. J. Cole. No. 1,279,987; Sept. 24; v. 254; p. 803.

Toy, Mechanical. H. J. Cole. No. 1,279,988; Sept. 24; v. 254; p. 804.
Toy, Mechanical. H. S. Coleman. No. 1,262,017; Apr. 9; v. 249; p. 320.
Toy, Mechanical. A. Johnson. No. 1,281,384; Oct. 15; v. 255; p. 409.
Toy, Mechanical. E. Sabina and A. Weinberg. No. 1,287,450; Dec. 10; v. 257; p. 346.
Toy, Mechanical. T. M. Vaughan. No. 1,267,608; May 28; v. 250; p. 844.
Toy, Mechanical. I. N. Weber. No. 1,277,799; Sept. 3; v. 254; p. 130.
Toy, Mechanical. A. T. Wilkins. No. 1,258,845; Mar. 12; v. 248; p. 300.
Toy, Mechanical dancing. C. E. Holt. No. 1,289,177; Dec. 31; v. 257; p. 852.
Toy, Mechanical walking. E. F. Hess. No. 1,261,528; Apr. 2; v. 249; p. 152.
Toy mine. H. Beck. No. 1,283,631; Nov. 5; v. 256; p. 51.
Toy mold. A. R. Leland, R. B. Benjamin, and G. A. Sellar. No. 1,287,599; Dec. 10; v. 257; p. 383.
Toy, Mother Goose movie. R. C. Lee. No. 1,284,116; Nov. 5; v. 256; p. 180.
Toy, Musical. O. H. Graveline. No. 1,258,558; Mar. 5; v. 248; p. 178.
Toy musical instrument. B. M. Carlisle. No. 1,259,600; Mar. 19; v. 248; p. 546.
Toy, Musical mechanical. L. A. Dickson. No. 1,276,626; Aug. 20; v. 253; p. 694.
Toy or instrument. Sound-operated. C. Berger. No. 1,279,831; Sept. 24; v. 254; p. 760.
Toy, Oscillating. C. D., Jr., and G. R. O'Brien. No. 1,286,728; Dec. 3; v. 257; p. 131.
Toy, Picture. A. M. Birdsall. No. 1,260,133; Mar. 19; v. 248; p. 698.
Toy pistol. C. A. Bailey. No. 1,251,462; Jan. 1; v. 246; p. 4.
Toy pistol. C. A. Bailey. No. 1,283,619; Nov. 5; v. 256; p. 47.
Toy pistol. C. A. Bailey. No. 1,285,581; Nov. 26; v. 256; p. 657.
Toy pistol. C. Blamfield. No. 1,260,306; Mar. 26; v. 248; p. 782.
Toy pistol. O. C. Madison. No. 1,270,535; June 25; v. 251; p. 760.
Toy pistol. N. B. Pottier. No. 1,269,854; June 18; v. 251; p. 549.
Toy pistol. W. J. Snyder and L. Knott. No. 1,278,514; Sept. 10; v. 254; p. 345.
Toy pistol. L. Ziegler. No. 1,265,862; May 14; v. 250; p. 302.
Toy pistol, Automatic. M. P. Appell. No. 1,272,353; July 16; v. 252; p. 510.
Toy pistol or gun. J. P. Conner. No. 1,263,859; Apr. 23; v. 249; p. 883.
Toy power-machine. W. F. Gregory. No. 1,260,664; Mar. 26; v. 248; p. 888.
Toy projectile. J. B. Blackshear. No. 1,288,814; Dec. 24; v. 257; p. 739.
Toy projectile. J. C. Pewther. No. 1,261,957; Apr. 9; v. 249; p. 304.
Toy-propelling means. J. F. Tierney. No. 1,257,151; Feb. 19; v. 247; p. 672.
Toy railway. W. C. Roe. No. 1,259,135; Mar. 12; v. 248; p. 385.
Toy railway. A. P. Seils. No. 1,284,477; Nov. 12; v. 256; p. 301.
Toy railway passenger-coach. H. T. Kingsbury. No. 1,256,326; Feb. 12; v. 247; p. 395.
Toy reed-organ. G. B. Anderson. No. 1,288,465; Dec. 24; v. 257; p. p. 654.
Toy riding-horse. N. J. Brurock. No. 1,289,382; Dec. 31; v. 257; p. 904.
Toy sailing-craft. C. M. Van Buren. No. 1,270,466; June 25; v. 251; p. 740.
Toy, Sheet-metal. E. Kessler. No. 1,277,730; Sept. 3; v. 254; p. 111.
Toy, Sheet-metal. E. Kessler. No. 1,288,030; Dec. 17; v. 257; p. 523.
Toy, Sounding. J. D. Belton. No. 1,257,448; Feb. 26; v. 247; p. 793.
Toy, Sounding. F. G. Rovensky. No. 1,269,312; June 11; v. 251; p. 369.
Toy, Sounding wheeled. E. S. Foljambe. No. 1,276,747; Aug. 27; v. 253; p. 764.
Toy steam-turbine engine. F. Fulton. No. 1,282,212; Oct. 22; v. 255; p. 671.
Toy submarine. J. W. Bunpley. No. 1,271,272; July 2; v. 252; p. 147.
Toy submarine. W. H. Caldbeck. No. 1,274,238; July 30; v. 252; p. 1093.
Toy submarine. A. F. Humphrey. No. 1,262,051; Apr. 9; v. 249; p. 328.
Toy submarine boat. R. Battey. No. 1,287,832; Dec. 17; v. 257; p. 474.
Toy, Surprise or joke. S. Prawat. No. 1,265,379; May 7; v. 250; p. 139.
Toy, Swimming. O. R. Troje. No. 1,258,963; Mar. 12; v. 248; p. 332.
Toy swing. C. Abernathy. No. 1,277,814; Sept. 3; v. 254; p. 134.
Toy terminal. G. H. Pierce. No. 1,278,203; Sept. 10; v. 254; p. 262.
Toy theater. W. S. Martin. No. 1,281,623; Oct. 15; v. 255; p. 471.
Toy torpedo. J. B. Blackshear. No. 1,288,813; Dec. 24; v. 257; p. 739.
Toy torpedo. A. F. Clark. No. 1,265,701; May 7; v. 250; p. 224.
Toy train and making same. E. L. Steendahl. No. 1,283,591; Nov. 5; v. 256; p. 40.
Toy, Trick. H. Millhouse. No. 1,271,057; July 2; v. 252; p. 86.
Toy tricycle. C. W. Spaulding. No. 1,276,587; Aug. 20; v. 253; p. 684.
Toy, Trundle. A. J. Hunt. No. 1,276,769; Aug. 27; v. 253; p. 770.
Toy, Tumbling. H. A. Myers. No. 1,254,428; Jan. 22; v. 246; p. 947.
Toy, Tumbling. T. C. C. B. White. No. 1,272,588; July 16; v. 252; p. 574.
Toy, Turbine. C. C. Muldner, Jr. No. 1,256,816; Feb. 19; v. 247; p. 574.
Toy vehicle. L. A. Brigel. No. 1,267,050; May 21; v. 250; p. 662.
Toy vehicle. J. P. Findley. No. 1,287,661; Dec. 17; v. 257; p. 430.
Toy vehicle. J. M. Kramlich. No. 1,279,555; Sept. 24; v. 254; p. 679.
Toy vehicle. W. R. Petticrew. No. 1,289,894; Dec. 31; v. 257; p. 1030.
Toy vehicle. H. W. Sellner. No. 1,282,003; Oct. 15; v. 255; p. 572.
Toy vehicle. J. C. Van Aken. No. 1,273,290; July 23; v. 252; p. 794.
Toy-vehicle wheel. E. D. Whidden. No. 1,256,086; Feb. 12; v. 247; p. 323.
Toy vehicles, Coasting and brake attachment for. J. B. Allen. No. 1,284,169; Nov. 5; v. 256; p. 193.
Toy, Walking. F. Criest. No. 1,272,629; July 16; v. 252; p. 587.
Toy, Walking or progressing. A. Murray and G. A. J. Marley. No. 1,269,490; June 11; v. 251; p. 416.
Toy, Weight. J. C. Forster. No. 1,281,150; Oct. 8; v. 255; p. 311.
Toy wheel. A. C. Gilbert. No. 1,259,616; Mar. 19; v. 248; p. 550.
Toy, Wheeled. C. E. Bailey and F. W. Nanfeldt. No. 1,255,575; Feb. 5; v. 247; p. 134.
Toy, Wheeled. R. P. Edwards. No. 1,261,798; Apr. 9; v. 249; p. 262.
Toy, Wheeled. W. Fuld. No. 1,265,645; May 7; v. 250; p. 210.
Toy, Wheeled. F. W. Manfeldt. No. 1,270,542; June 25; v. 251; p. 762.
Toy, Wheeled. J. T. Woodward. No. 1,280,931; Oct. 8; v. 255; p. 252.
Toy, Wheeled reciprocating. A. Z. Baker. No. 1,265,586; May 7; v. 250; p. 194.
Toy whistle. S. F. Kohn. No. 1,259,875; Mar. 19; v. 248; p. 625.
Toy, Wind-operated. H. Thatcher. No. 1,260,833; Mar. 26; v. 248; p. 935.
Toy, Windmill. J. F. Amend. No. 1,274,132; July 30; v. 252; p. 1063.
Toys and other articles, Composition for making. E. A. Ruppelt. No. 1,275,092; Aug. 6; v. 253; p. 212.
Toys, Ball-and-socket joint for. C. Cabana. No. 1,270,781. July 2; v. 252; p. 7.
Toys, Making hollow rubber. J. E. Abler. No. 1,255,496; Feb. 5; v. 247; p. 110.
Toys, Riding-horse for boys'. F. Majewski. No. 1,270,638; June 25; v. 251; p. 787.
Toys, Sound-emitting means for. S. S. Adams. No. 1,273,122; July 23; v. 252; p. 750.
Toys, Spring-motor for mechanical. T. M. Vaughan. No. 1,277,791; Sept. 3; v. 254; p. 129.
Toys, Voice for. B. E. Lloyd. No. 1,282,702; Oct. 22; v. 255; p. 804.
Toys, Wheel for. W. T. Watson. No. 1,267,724; May 28; v. 250; p. 876.
Trace-carrier. W. P. Kiest. No. 1,253,838; Jan. 15; v. 246; p. 760.
Trace-coupling. O. E. Brickey. No. 1,282,534; Oct. 22; v. 255; p. 758
Trace-fastener. L. A. Wienke. No. 1,256,627; Feb. 19; v. 247; p. 519.
Trace-holding device, Swingletree safety. C. L. and D. De Bolt. No. 1,251,968; Jan. 1; v. 246; p. 155.
Track-brace, Self-adjusting. W. Dunn. No. 1,272,236; July 9; v. 252; p. 449.
Track-clamp. F. A. Preston. No. 1,254,847; Jan. 29; v. 246; p. 1101.
Track-clearing equipment. W. E. Woodhouse and W. H. Winterrowd. No. 1,287,555; Dec. 10; v. 257; p. 372.
Track construction. H. Lee. No. 1,257,945; Feb. 26; v. 247; p. 940.
Track equipment. J. G. Mueller. No. 1,277,460; Sept. 3; v. 254; p. 35.
Track-fastener. G. G. Greene. No. 1,263,552; Apr. 23; v. 249; p. 800.
Track-gage. J. A. McGuire. No. 1,282,897; Oct. 29; v. 255; p. 886.

Track-gage. S. Shipwash. No. 1,285,431; Nov. 19; v. 256; p. 581.
Track-hazard indicator. P. J. Simmen. No. 1,287,474; Dec. 10; v. 257; p. 351.
Track instrument. C. W. Dunham. No. 1,273,835; July 30; v. 252; p. 979.
Track instrument. C. W. Dunham. (Reissue.) No. 14,533; Oct. 8; v. 255; p. 346.
Track-laying apparatus. G. D. Baldwin. No. 1,286,495; Dec. 3; v. 257; p. 77.
Track-liner. N. Berman. No. 1,273,569; July 23; v. 252; p. 870.
Track-link construction. W. Turnbull. No. 1,258,608; Mar. 5; v. 248; p. 193.
Track, Overhead. H. J. Ferris. No. 1,271,454; July 2; v. 252; p. 195.
Track, Overhead. H. L. Ferris. No. 1,282,403; Oct. 22; v. 255; p. 723.
Track-sander. J. H. and W. J. Hanlon. No. 1,286,302; Dec. 3; v. 257; p. 29.
Track-sander. J. H. Hanson. No. 1,265,711; May 7; v. 250; p. 227.
Track-sanders, Air-nozzle for. E. E. Bradley. No. 1,280,146; Oct. 1; v. 255; p. 8.
Track-shifter, W. M. Wise. No. 1,285,872; Nov. 26; v. 256; p. 731.
Track spike-puller. V. B. Hodges. No. 1,289,761; Dec. 31; v. 257; p. 996.
Track-transporting jack. P. Kahler. No. 1,286,337; Dec. 3; v. 257; p. 37.
Tracks from straight pieces of rail, Forming circular T-section. A. D. Mosby. No. 1,269,631; June 18; v. 251; p. 487.
Tracker-bar attachment. H. J. La Joie. No. 1,258,123; Mar. 5; v. 248; p. 51.
Tracking device. J. A. Le Cato. No. 1,260,004; Mar. 19; v. 248; p. 664.
Tracking, transposing, and sustaining device. G. A. Peterson. No. 1,275,300; Aug. 13; v. 253; p. 294.
Traction and power attachment. H. J. Collier. No. 1,273,035; July 16; v. 252; p. 701.
Traction appliance. P. Tesluk. No. 1,286,836; Dec. 3; v. 257; p. 155.
Traction construction. E. H. Oversmith. No. 1,284,435; Nov. 12; v. 256; p. 291.
Traction-coupling. D. Shankland. No. 1,269,651; June 18; v. 251; p. 492.
Traction device. W. K. Bethune. No. 1,284,221; Nov. 12; v. 256; p. 234.
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Train-control system and apparatus. W. B. Murray. No. 1,254,839; Jan. 29; v. 246; p. 1098.
Train-control system, Automatic. C. F. Estwick. No. 1,263,541; Apr. 23; v. 249; p. 797.
Train-control system, Automatic. O. A. Ross. No. 1,263,603; Apr. 23; v. 249; p. 814.
Train-control system, Automatic electrically-actuated. E. L. Orcutt. No. 1,285,345; Nov. 19; v. 256; p. 558.
Train-control system, Pressure-operated and electrically-controlled. W. B. Murray. No. 1,265,943; May 14; v. 250; p. 325.
Train-control system, Safety. C. P. Thomas. No. 1,260,250; Mar. 19; v. 248; p. 732.
Train-controlling apparatus. F. A. Ballinger. No. 1,257,794; Feb. 26; v. 247; p. 896.
Train-controlling apparatus. A. J. Brookins. No. 1,288,494; Dec. 24; v. 257; p. 661.
Train-controlling apparatus. J. J. Gross. No. 1,256,129; Feb. 12; v. 247; p. 336.
Train-controlling apparatus. V. Henneman. No. 1,278,647; Sept. 10; v. 254; p. 380.
Train-controlling device, Automatic. A. L. Bower. No. 1,261,901; Apr. 9; v. 249; p. 288.
Train-controlling mechanism. J. Spiess. No. 1,252,047; Jan. 1; v. 246; p. 178.
Train-controlling system, Automatic. E. R. Hill. No. 1,285,173; Nov. 19; v. 256; p. 515.
Train-despatching system. P. J. Simmen. No. 1,257,412; Feb. 26; v. 247; p. 782.
Train-despatching system, Electric. G. W. Derryberry. No. 1,289,695; Dec. 31; v. 257; p. 980.
Train-operated mechanism, Electrically-controlled. F. S. Thayer. No. 1,259,928; Mar. 19; v. 248; p. 641.
Train-order-delivering apparatus. J. A. Blair. No. 1,252,389; Jan. 8; v. 246; p. 307.
Train-order-delivering device. G. A. Klefsaas. No. 1,251,895; Jan. 1; v. 246; p. 135.
Train-pipe coupling, Automatic. G. E. Stanley. No. 1,282,134; Oct. 22; v. 255; p. 651.
Train safety device. S. G. Conkling. No. 1,265,615; May 7; v. 250; p. 202.
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Train-signal, Automatic. M. B. Bulla. No. 1,285,556; Nov. 19; v. 256; p. 610.
Train-signal system. A. G. Adair. No. 1,263,990; Apr. 23; v. 249; p. 920.
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Train-speed control. J. Robbe. No. 1,274,330; July 30; v. 252; p. 1116.
Train-stop. W. M. Avery and J. B. Booth. No. 1,254,645; Jan. 29; v. 246; p. 1038
Train-stop. W. E. Scott. No. 1,255,471; Feb. 5; v. 247; p. 103.
Train stop and signaling device. W. C. Nein. No. 1,269,967; June 11; v. 251; p. 436.
Train-stop, Automatic. E. Bess. No. 1,286,510; Dec. 3; v. 257; p. 81.
Train-stop, Automatic. C. W. Brewster. No. 1,258,650; Mar. 12; v. 248; p. 244.
Train-stop, Automatic. M. B. Bulla. No. 1,267,179; May 21; v. 250; p. 700.
Train-stop, Automatic. F. L. Cortright and H. Holmes. No. 1,281,908; Oct. 15; v. 255; p. 549.
Train-stop, Automatic. A. Y. Dodge. No. 1,252,330; Jan. 1; v. 246; p. 256.
Train-stop, Automatic. H. S. Folker. No. 1,284,284; Nov. 12; v. 256; p. 251.
Train-stop, Automatic. H. S. Folker. No. 1,284,285; Nov. 12; v. 256; p. 252.
Train-stop, Automatic. W. Gray. No. 1,277,063; Aug. 27; v. 253; p. 847.
Train-stop mechanism. H. R. Nevens, L. R. Wallace, and R. Marcy. No. 1,258,138; Mar. 5; v. 248; p. 55.
Train-stop mechanism. L. R. Wallace. No. 1,269,662; June 18; v. 251; p. 495.
Train-stop system, Selective automatic. J. R. Coker. No. 1,289,397; Dec. 31; v. 257; p. 908.
Train-stops, Controlling means for automatic. H. S. Folker. No. 1,284,286; Nov. 12; v. 256; p. 252.
Train-stops, Controlling means for automatic. H. S. Folker. No. 1,284,288; Nov. 12; v. 256; p. 253.
Train-stopping apparatus. D. H. Schweyer. No. 1,279,454; Sept. 17; v. 254; p. 628.
Train-stopping apparatus, Automatic. H. H. Khoubesserian. No. 1,268,727; June 4; v. 251; p. 186.
Train-stopping device, Automatic. D. D. Good. No. 1,277,569; Sept. 3; v. 254; p. 65.
Train-stopping device, Emergency. V. E. Randall. No. 1,286,407; Dec. 3; v. 257; p. 55.
Train-stopping means. W. B. Murray. No. 1,263,592; Apr. 23; v. 249; p. 811.
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Trains, Magnetic control for. L. W. Horne and W. N. Crane. No. 1,256,019; Feb. 12; v. 247; p. 302.

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Transformer and circuit-breaker, Combination. W. M. McConahey. No. 1,270,850; July 2; v. 252; p. 27.
Transformer and like coil. C. H. Thordarson. No. 1,255,947; Feb. 12; v. 247; p. 281.
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Transformer. High-reactance core-type. C. S. Lawson. No. 1,275,946; Aug. 13; v. 253; p. 473.
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Transformer-tank. G. White, Jr. No. 1,288,330; Dec. 17; v. 257; p. 594.
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Transformers, Protective system for. A. P. Bender. No. 1,251,738; Jan. 1; v. 246; p. 89.
Translating devices, Mounting for. D. Woodhead. No. 1,269,355; June 11; v. 251; p. 380.
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Transmission. W. Shaw. No. 1,256,174; Feb. 12; v. 247; p. 350.
Transmission. J. W. White, Jr. No. 1,263,827; Apr. 23; v. 249; p. 873.
Transmission and brake bands, Liner for. C. D. Colley. No. 1,274,686; Aug. 6; v. 253; p. 99.
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Transmission-controlling mechanism. N. Roe. No. 1,261,443; Apr. 2; v. 249; p. 128.
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Transmission, Differential. H. Hansen and J. A. Montgomery. No. 1,257,225; Feb. 19; v. 247; p. 693.
Transmission, Friction. N. B. Woodhead. No. 1,262,897; Apr. 16; v. 249; p. 595.
Transmission-gear for lifts, hoists, and the like. R. F. Carey. No. 1,279,253; Sept. 17; v. 254; p. 573.
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Transmission mechanism. B. H. Anibal. No. 1,260,294; Mar. 26; v. 248; p. 778.
Transmission mechanism. M. Barnhouse. No. 1,264,359; Apr. 30; v. 249; p. 1054.
Transmission mechanism. G. H. Bugenhagen. No. 1,273,326; July 23; v. 252; p. 803.
Transmission mechanism. J. J. Campodonico. No. 1,284,057; Nov. 5; v. 256; p. 162.
Transmission mechanism. E. Chaquette. No. 1,265,175; May 7; v. 250; p. 84.
Transmission mechanism. M. E. Cox. No. 1,277,295; Aug. 27; v. 253; p. 908.
Transmission mechanism. R. D. George. No. 1,267,321; May 21; v. 250; p. 736.
Transmission mechanism. R. Grant. No. 1,257,479; Feb. 26; v. 247; p. 803.
Transmission mechanism. O. J. Kohn. No. 1,289,195; Dec. 31; v. 257; p. 856.
Transmission mechanism. J. A. Mahler. No. 1,284,401; Nov. 12; v. 256; p. 283.
Transmission mechanism. N. Martinez. No. 1,266,971; May 21; v. 250; p. 640.
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Transmission mechanism. H. C. Ménard. No. 1,268,750; June 4; v. 251; p. 192.
Transmission mechanism. C. H. Miller. No. 1,278,975; Sept. 17; v. 254; p. 500.
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Transmission mechanism. M. C. Oster. No. 1,276,951; Aug. 27; v. 253; p. 817
Transmission mechanism. C. W. Parker. No. 1,270,318; June 25; v. 251; p. 699.
Transmission mechanism. A. W. Proctor. No. 1,258,143; Mar. 5; v. 248; p. 56.
Transmission mechanism. C. T. Rogers. No. 1,277,127; Aug. 27; v. 253; p. 865.
Transmission mechanism. A Schmidt. No. 1,279,592; Sept. 24; v. 254; p. 690.
Transmission mechanism. J. Seemann. No. 1,267,001; May 21; v. 250; p. 649.
Transmission mechanism. W. G. Shelton. No. 1,256,175; Feb. 12; v. 247; p. 351.
Transmission mechanism. F. H. Smith. No. 1,278,241; Sept. 10; v. 254; p. 273.
Transmission mechanism. C. H. Stinson. No. 1,274,467; Aug. 6; v. 253; p. 36.
Transmission mechanism. H. E. Stoddard. No. 1,257,760; Feb. 26; v. 247; p. 886.
Transmission mechanism. I. Tornberg. No. 1,282,495; Oct. 22; v. 255; p. 748.
Transmission mechanism. G. M. Willis. No. 1,257,660; Feb. 26; v. 247; p. 856.
Transmission mechanism. G. M. Willis. No. 1,268,777; June 4; v. 251; p. 200.
Transmission mechanism, Differential. R. N. Bickley. No. 1,252,388; Jan. 8; v. 246; p. 307.
Transmission mechanism for starters. J. T. Trumble. No. 1,256,746; Feb. 19; v. 247; p. 553.
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Transmission system. C. L. Goodrum. No. 1,252,427; Jan. 8; v. 246; p. 319.
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Transmitting and receiving angular or rotary motions, Means for. R. W. L. Phillips. No. 1,289,898; Dec. 31; v. 257; p. 1030.
Transmitting forces, Arrangement for. O. Stinner. No. 1,277,501; Sept. 3; v. 254; p. 47.
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Transom-operator. H. McVittie. No. 1,280,510; Oct. 1; v. 255; p. 110.
Transplanter. C. A. McQueen. No. 1,252,467; Jan. 8; v. 246; p. 331.
Transplanter. A. Schaefer. No. 1,266,634; May 21; v. 250; p. 546.
Transplanter, Check-row. J. L. Thompson. No. 1,267,713; May 28; v. 250; p. 873.
Transport of goods, Floating structure for the sea and fluvial. G. Nahman. No. 1,289,875; Dec. 31; v. 257; p. 1025.
Transport system, Automatic-dumping. W. Ross and W. F. J. Cosser. No. 1,266,630; May 21; v. 250; p. 545.
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Transportation system. J. C. Bonner. No. 1,280,141; Oct. 1; v. 255; p. 6.
Transportation system. J. C. Bonner. No. 1,280,142; Oct. 1; v. 255; p. 6.
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Transporting apparatus. J. J. R. Haalck. No. 1,259,619; Mar. 19; v. 248; p. 551.
Transporting apparatus. J. J. R. Haalck. No. 1,259,620; Mar. 19; v. 248; p. 551.
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Animal-trap.
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Bird-trap.
Bug-trap.
Fish-trap.
Fly-trap.
Game-trap.
Gin-trap.
Gopher, squirrel, and the like trap.
Grease-trap.
Insect-trap.
Insect-catching device or trap.
Jaw-trap.
Minnow-trap.
Mouse-trap.
Rat-trap.
Rat, mouse, and insect trap.
Sanitary trap.
Separator-trap.
Sewer-trap.
Sink-trap.
Steam-trap.
Submarine-destroying trap.
Thermostatic trap.
Torpedo-trap.
Waste-trap.
Water-trap.
Trap. J. H. Alexander. No. 1,266,751; May 21; v. 250; p. 580.
Trap. J. S. Bealle. No. 1,259,074; Mar. 12; v. 248; p. 366.
Trap. J. J. Curtis. No. 1,282,544; Oct. 22; v. 255; p. 761.
Trap. G. J. Dehn. No. 1,281,147; Oct. 8; v. 255; p. 311.
Trap. C. Edgar. No. 1,264,033; Apr. 23; v. 249; p. 931.
Tray. L. J. Gonyea. No. 1,257,843; Feb. 26; v. 247; p. 911.
Trap. J. Holsworth. No. 1,265,659; May 7; v. 250; p. 213.
Trap. K. Kempny. No. 1,271,323; July 2; v. 252; p. 161.
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Trap. A. V. Lindquist. No. 1,256,339; Feb. 12; v. 247; p. 399.
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Trap. A. E. Lycan. No. 1,272,974; July 16; v. 252; p. 685.
Trap. F. Pykosz. No. 1,278,209; Sept. 10; v. 254; p. 263.
Trap. J. Regal, Jr. No. 1,253,886; Jan. 15; v. 246; p. 773.
Trap. C. J. Roy. No. 1,271,372; July 2; v. 252; p. 174.
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Trap. C. H. Swain. No. 1,258,960; Mar. 12; v. 248; p. 332.
Trap. H. V. Tremble. No. 1,261,189; Apr. 2; v. 249; p. 56.
Trap. L. Weimerskirch. No. 1,284,165; Nov. 5; v. 256; p. 192.
Trap. C. R. Wigness. No. 1,270,907; July 2; v 252; p. 44.
Trap and gasolene-strainer, Combined. J. V. Whitbeck. No. 1,254,754; Jan. 29; v. 246; p. 1072.
Trap and submarine-mine construction. T. Heiss. No. 1,280,026; Sept. 24; v. 254; p. 815.
Trap clean-out. E. Reinhart and A. Moe. No. 1,265,248; May 7; v. 250; p. 103.
Trap-door. O. L. Link. No. 1,265,686; May 7; v. 250; p. 220.
Trap-door-operating mechanism. W. H. Mussey. No. 1,269,557; June 11; v. 251; p. 433.
Trap for floor-drains, shower-baths, and the like. J. I. Gorman. No. 1,251,506; Jan. 1; v. 246; p. 16.
Trap-guards, Disinfectant-container for. G. A. Sleight. No. 1,260,082; Mar. 19; v. 248; p. 686.
Trap-springs, Producing bearing-apertures in. D. W. Kelley. No. 1,272,051; July 9; v. 252; p. 398.
Traps, Stiffening-spring for. C. A. Carlson. No. 1,260,143; Mar. 19; v. 248; p. 701.
Travel-bag. J. E. Rogers. No. 1,279,915; Sept. 24; v. 254; p. 785.
Traveling-bag. S. Laitman. No. 1,286,355; Dec. 3; v. 257; p. 42.
Traveling-bag. B. Urband. No. 1,277,785; Sept. 3; v. 254; p. 127.
Traveling case or bag. B. M. Stone. No. 1,288,267; Dec. 17; v. 257; p. 580.
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Tray. J. C. Sundby. No. 1,282,138; Oct. 22; v. 255; p. 652.
Tray, Adjustable. J. L. Burgoyne. No. 1,274,382; Aug. 6; v. 253; p. 9.
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Tray. Check and deposit-slip. R. N. Hains. No. 1,257,481; Feb. 26; v. 247; p. 803.
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Tray mechanism. M. M. Hammond. No. 1,284,322; Nov. 12; v. 256; p. 262.
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Tray, Sick-bed. O. A. Schroeder. No. 1,274,609; Aug. 6; v. 253; p. 77.
Tray-stacking appliance. G. J. Hely. No. 1,267,869; May 28; v. 250; p. 919.
Tray, Suit-. G. Wordingham. No. 1,260,115; Mar. 19; v. 248; p. 694.
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Tray-support, Semi-automatic. E. Kandler and P. Sachse. No. 1,272,457; July 16; v. 252; p. 537.
Tray, Swinging. V. M. Gay. No. 1,287,955; Dec. 17; v. 257; p. 503.
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Tread, Non-slipping. F. H. Stanwood. No. 1,257,144; Feb. 19; v. 247; p. 670.
Treadle and lower-door-operating mechanism. A. W. Borcyk. No. 1,251,958; Jan. 1; v. 246; p. 152.
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Treadle mechanism. J. Kane and F. J. Couch. No. 1,252,582; Jan. 8; v. 246; p. 364.
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Treating-table. C. W. Albright. No. 1,286,166; Nov. 26; v. 256; p. 802.
Treating-table. F. Koenigkramer. No. 1,286,027; Nov. 26; v. 256; p. 769.
Treating textile materials, Production of foam baths for. P. Schmid. No. 1,281,670; Oct. 15; v. 255; p. 483.
Treatment of materials. W. J. Steinle. No. 1,283,947; Nov. 5; v. 256; p. 133.
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Draft-tree.
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Tree, Artificial. J. A. Abbott. No. 1,266,749; May 21; v. 250; p. 579.
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Tree-protector. M. H. Comstock. No. 1,282,677; Oct. 22; v. 255; p. 798.
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Tree-trimming shears. M. Chladek. No. 1,275,529; Aug. 13; v. 253; p. 357.
Trees, Treating decayed spots and cavities in living. J. F. Collins. No. 1,270,010; June 18; v. 251; p. 590.
Tremie. R. J. Wig. No. 1,280,345; Oct. 1; v. 255; p. 65.
Tremie-tube stopper. H. F. Taft. No. 1,256,074; Feb. 12; v. 247; p. 283.
Trench construction. F. Cieszkowski. No. 1,277,859; Sept. 3; v. 254; p. 146.
Trench-destroyer and army-destroyer. R. D. Burchill. No. 1,258,743; Mar. 12; v. 248; p. 269.
Trench-jack. J. C. French. No. 1,281,936; Oct. 15; v. 255; p. 556.
Trench-machine. J. C. French. No. 1,285,108; Nov. 19; v. 256; p. 498.
Trench-machine and open-ditch excavator, Combined. J. C. French. No. 1,280,701; Oct. 8; v. 255; p. 189.
Trench-tool. P. N. Forsyth. No. 1,277,894; Sept. 3; v. 254; p. 155.
Trenches or other defensive works, Sapping or destroying. H. R. Hughes. No. 1,278,932; Sept. 17; v. 254; p 489.
Trenching apparatus. T. F. Moore. No. 1,263,096; Apr. 16; v. 249; p. 653.
Trenching apparatus. T. F. Moore. No. 1,270,240; June 18; v. 251; p. 651.
Trestle and scaffold-support, Combination. A. H. Lage. No. 1,261,560; Apr. 2; v. 249; p. 162.
Trial-frame. G. H. Day. No. 1,266,224; May 14; v. 250; p. 404.
Triangle and gear-tooth plotter, Adjustable. J. Nash. No. 1,251,809; Jan. 1; v. 246; p. 111.
Triangle computing and drafting instrument. T. H. M. Crampton. No. 1,262,023; Apr. 9; v. 249; p. 321.
Triangle, Lettering-. O. A. Olson. No. 1,262,971; Apr. 16; v. 249; p. 616.
Trick-case. V. G. Wickberg. No. 1,266,647; May 21; v. 250; p. 550.
Tricycle or other vehicle seat. R. G. Ledig. No. 1,262,524; Apr. 9; v. 249; p. 461.
Tricycle specially applicable for invalids or the like. J. F. Hough. No. 1,269,815; June 18; v. 251; p. 539.
Trimethylene glycol disalicylate and preparing same. A. M. Clover. No. 1,286,944; Dec. 10; v. 257; p. 220

Alphabetical list of inventions—Continued.

Trimmer: *See*—
Hedge-trimmer.
Heel-trimmer.
Lawn-trimmer.
Lawn-border trimmer.
Photographic-print trimmer.
Talking-machine needle trimmer.

Trimmer. A. J. Wills. No. 1,281,461; Oct. 15; v. 255; p. 430.
Trimming and cleaning attachment. J. W. Ferguson. No. 1,259,382; Mar. 12; v. 248; p. 452.
Trimming-board. H. F. Hoefle and G. W. Adams. No. 1,270,823; July 2; v. 252; p. 19.
Trimming-machine. H. T. Blackwell. No. 1,286,889; Dec. 3; v. 257; p. 167.
Trimming-machine. F. H. Warren. No. 1,271,638; July 9; v. 252; p. 282.
Trimming mechanism and presser-foot, Combined. W. F. Tosney. No. 1,286,452; Dec. 3; v. 257; p. 66.
Trip device. G. W. Bungay. No. 1,285,020; Nov. 19: v. 256; p. 477.
Tripod-head connection. A. S. Howell. No. 1,276,220; Aug. 20; v. 253; p. 581.
Tripping-block, Automatically-controlled. E. Russell. No. 1,284,464; Nov. 12; v. 256; p. 298.
Trolley. C. Aalborg. No. 1,253,661; Jan. 15; v. 246; p. 708.
Trolley. F. Kietlinski. No. 1,257,245; Feb. 19; v. 247; p. 700.
Trolley. A. Pearson. No. 1,284,437; Nov. 12; v. 256; p. 291.
Trolley. H. L. Stanley. No. 1,283,946; Nov. 5; v. 256; p. 133.
Trolley. J. Wanat. No. 1,257,556; Feb. 26; v. 247; p. 826.
Trolley-carriage. J. R. McGiffert. No. 1,286,688; Dec. 3; v. 257; p. 122.
Trolley-catcher. G. E. Waldo and E. F. Wilson. No. 1,271,106; July 2; v. 252; p. 99.
Trolley catcher and retriever. W. W. Hunzicker. No. 1,277,421; Sept. 3; v. 254; p. 26.
Trolley-collector device. D. W. Bisbee and P. A. Cressey. No. 1,290,012; Dec. 31; v. 257; p. 1059.
Trolley harp and shoe. J. Miller, Jr. No. 1,283,418; Oct. 29; v. 255; p. 1026.
Trolley-head. W. M. Brillhart. No. 1,276,483; Aug. 20; v. 253; p. 654.
Trolley head and guard. A. D. Shaffer. No. 1,276,128; Aug. 20; v. 253; p. 555.
Trolley-pole. P. Hammer. No. 1,266,460; May 14; v. 250; p. 466.
Trolley-pole construction. I. Szafranski. No. 1,289,572; Dec. 31; v. 257; p. 951.
Trolley-pole head. C. R. Yirava and W. J. Hejna. No. 1,269,037; June 11; v. 251; p. 291.
Trolley-replacer. E. L. Pangborn and H. W. Niermyer. No. 1,276,564; Aug. 20; v. 253; p. 677.
Trolley-retriever. C. E. Gierding. No. 1,262,037; Apr. 9; v. 249; p. 325.
Trolley-retriever. W. C. Starkey. No. 1,262,128; Apr. 9; v. 249; v. 350.
Trolley-splicer. F. T. Elwell. No. 1,272,783; July 16; v. 252; p. 630.
Trolley-stop. J. H. Grapevine. No. 1,254,683; Jan. 29; v. 246; p. 1050.
Trolley-support. H. Holland. No. 1,285,707; Nov. 26; v. 256; p. 688.
Trolley-track. E. J. G. Phillips. No. 1,267,802; May 28; v. 250; p. 898.
Trolley-wheel. J. Longanecker and L. G. Stockberger. No. 1,267,338; May 21; v. 250; p. 741.
Trolley-wheel. L. S. Roos. No. 1,288,686; Dec. 24; v. 257; p. 710.
Trolley-wheel. L. J. Tetlow. No. 1,257,652; Feb. 26; v. 247; p. 854.
Trolley-wheel. F. Thornton. No. 1,278,398; Sept. 10; v. 254; p. 314.
Trolley-wheel and bearing therefor. F. L. Morris. No. 1,269,951; June 18; v. 251; p. 575.
Trolling-spoon. H. A. H. Rice. No. 1,252,721; Jan. 8; v. 246; p. 404.
Trombone. D. A. McDonald. No. 1,263,085; Apr. 16; v. 249; p. 651.
Trombone-support. G. Martens. No. 1,255,766; Feb. 5; v. 247; p. 189.

Trough: *See*—
Coal-washing trough.
Crayon-trough.
Feed-trough.
Feed or water trough.
Feeding-trough.
Fish-trough.
Hog-trough.
Water-trough.
Watering-trough.

Trough. H. J. Drake. No. 1,287,579; Dec. 10; v. 257; p. 378.
Trough. M. C. Weaver. No. 1,252,521; Jan. 8; v. 246; p. 346.
Trough mold, Weatherproof-watering-. H. N. Enholm. No. 1,251,650; Jan. 1; v. 246; p. 63.
Trough support, Rain-. R. Rehrauer. No. 1,272,527; July 16; v. 252; p. 556.
Trousers. I. M. Cohn. No. 1,277,866; Sept. 3; v. 254; p. 148.
Trousers. I. L. Morris. No. 1,270,190; June 18; v. 251; p. 638.
Trousers and coat hanger, Combined. C. L. Guernsey. No. 1,274,534; Aug. 6; v. 253; p. 50.
Trousers and necktie holder. E. N. Fischer. No. 1,276,513; Aug. 20; v. 253; p. 663.
Trousers-belt. M. A. Piper. No. 1,272,519; July 16; v. 252; p. 554.
Trousers, Belt-loop and button for. R. J. Ewig. No. 1,274,253; July 30; v. 252; p. 1096.
Trousers-crease marker. A. Varaud. No. 1,273,555; July 23; v. 252; p. 865.
Trousers-presser. N. B. Riddle. No. 1,288,992; Dec. 24; v. 257; p. 783.
Trousers presser, creaser, and hanger. E. F. Cassel. No. 1,267,375; May 28; v. 250; p. 779.
Trousers-pressing device. J. F. Thomas. No. 1,258,825; Mar. 12; v. 248; p. 294.
Trousers-stretcher. R. C. Johnston. No. 1,265,669; May 7; v. 250; p. 216.
Trousers-stretcher. A. J. Petterman. No. 1,271,759; July 9; v. 252; p. 314.
Trousers-support. D. A. Francis. No. 1,267,533; May 28; v. 250; p. 822.
Trousers-support. H. C. Starkey. No. 1,285,828; Nov. 26; v. 256; p. 720.
Trousers-supporter. L. Arons. No. 1,263,729; Apr. 23; v. 249; p. 847.
Trousers-supporter. L. Woods. No. 1,272,754; July 16; v. 252; p. 622.
Trowel. E. J. Ashby. No. 1,277,026; Aug. 27; v. 253; p. 837.
Truck. S. D. Beum. No. 1,257,787; Feb. 26; v. 247; p. 894.
Truck. W. C. Carr. No. 1,271,273; July 2; v. 252; p. 147.
Truck. J. W. Cox. No. 1,289,678; Dec. 31; v. 257; p. 976.
Truck. H. D. Ells. No. 1,274,152; July 30; v. 252; p. 1068.
Truck. C. D. Golding. No. 1,280,210; Oct. 1; v. 255; p. 27.
Truck. H. L. Jenkins. No. 1,258,776; Mar. 12; v. 248; p. 279.
Truck. S. J. Larson. No. 1,288,057; Dec. 17; v. 257; p. 529.
Truck. W. A. Lewis. No. 1,261,945; Apr. 9; v. 249; p. 301.
Truck. W. G. Mayer. No. 1,278,971; Sept. 17; v. 254; p. 499.
Truck. A. McKinnon. (Reissue.) No. 14,535; Oct. 15; v. 255; p. 578.
Truck. W. F. Oliver. No. 1,284,923; Nov. 12; v. 256; p. 413.
Truck. W. S. Overlin. No. 1,289,529; Dec. 31; v. 257; p. 940.
Truck. O. R. Platter. No. 1,261,610; Apr. 2; v. 249; p. 174.
Truck. W. Stanfield. No. 1,259,154; Mar. 12; v. 248; p. 389.
Truck. J. S. Stephens. No. 1,255,484; Feb. 5; v. 247; p. 106.
Truck. J. C. Stutz. No. 1,268,178; June 4; v. 251; p. 30.
Truck. E. Whalley. No. 1,253,757; Jan. 15; v. 246; p. 736.
Truck, Aerial ladder-. E. A. Whitaker. No. 1,256,964; Feb. 19; v. 247; p. 619.
Truck and ambulance, Combined army supply-. F. H. Brand. No. 1,287,855; Dec. 17; v. 257; p. 479.
Truck and car, Motor. C. R. Harcus. No. 1,285,143; Nov. 19; v. 256; p. 506.
Truck and flat-car stake. U. S. Cornell. No. 1,280,670; Oct. 8; v. 255; p. 180.
Truck and movable platform, Combination. J. F. Shuford. No. 1,261,633; Apr. 2; v. 249; p. 182.
Truck and tractor, Combination. J. Froelich. No. 1,282,064; Oct. 22; v. 255; p. 630.
Truck and wagon dump, Combination. J. N. Auge, Jr. No. 1,283,031; Oct. 29; v. 255; p. 924.
Truck and wagon dump, Combination. J. N. Auge, Jr. No. 1,283,032; Oct. 29; v. 255; p. 924.
Truck attachment. J. W. Forster. No. 1,264,048; Apr. 23; v. 249; p. 935.
Truck attachment, Motor-. J. W. Shaw. No. 1,269,009; June 11; v. 251; p. 283.
Truck attachment, Motor-. J. W. Shaw. No. 1,284,794; Nov. 12; v. 256; p. 379.
Truck, Automatic automobile dump-. J. J. Herlbauer. No. 1,263,243; Apr. 16; v. 249; p. 693.
Truck, Automobile-. J. J. Herlbauer. No. 1,269,435; June 11; v. 251; p. 400.
Truck, Automobile-. G. H. W. Lindhorst. No. 1,273,076; July 16; v. 252; p. 712.
Truck, Automobile-. T. J. Sarasin, A. Fournier, and H. Sarasin. No. 1,281,847; Oct. 15; v. 255; p. 532.
Truck, Automobile-raising. J. A. Hamelback. No. 1,276,210; Aug. 20; v. 253; p. 579.
Truck, Automobile-switching. H. Barnett. No. 1,261,681; Apr. 2; v. 249; p. 196.
Truck, Baggage-. J. H. Yarbrough. No. 1,257,169; Feb. 19; v. 247; p. 677.
Truck, Barrel-. G. W. Waller. No. 1,255,070; Jan. 29; v. 246; p. 1162.

Truck, Beam-. C. P. Thompson. No. 1,261,974; Apr. 9; v. 249; p. 309.
Truck, Binder-. J. H. Downing. No. 1,281,308; Oct. 15; v. 255; p. 386.
Truck, Binder-. H. C. Huff. No. 1,267,870; May 28; v. 250; p. 919.
Truck-bodies, Elevating mechanism for. G. P. Myers. No. 1,272,840; July 16; v. 252; p. 647.
Truck-body-dumping mechanism. G. A. Wood. No. 1,271,974; July 9; v. 252; p. 375.
Truck-body-dumping mechanism. G. A. Wood. No. 1,271,975; July 9; v. 252; p. 376.
Truck-body, Interchangeable and removable. W. T. Duggan. No. 1,269,265; June 11; v. 251; p. 356.
Truck-bolster. C. F. Huntoon. No. 1,269,817; June 18; v. 251; p. 540.
Truck-brake. E. L. Garver. No. 1,259,614; Mar. 19; v. 248; p. 550.
Truck-brake and tongue-support. A. G. Stephenson. No. 1,289,297; Dec. 31; v. 257; p. 883.
Truck-brake, Automatic. E. W. Tucker. No. 1,273,692; July 23; v. 252; p. 902.
Truck brake, Motor-. W. S. Morton. No. 1,274,435; Aug. 6; v. 253; p. 27.
Truck brake-rigging, Railway-. H. A. Wahlert. No. 1,286,845; Dec. 3; v. 257; p. 157.
Truck, Building-block. C. O. Brandell. No. 1,286,216; Dec. 3; v. 257; p. 8.
Truck, Cable reeling and pulling. J. Alberts. No. 1,256,093; Feb. 12; v. 247; p. 325.
Truck, Car-. C. F. Frede. No. 1,276,636; Aug. 20; v. 253; p. 697.
Truck, Car-. F. Hedley and J. S. Doyle. No. 1,252,434; Jan. 8; v. 246; p. 321.
Truck, Car-. C. S. Ethridge. No. 1,277,889; Sept. 3; v. 254; p. 154.
Truck, Car-. H. H. Hewitt. No. 1,259,624; Mar. 19; v. 248; p. 552.
Truck, Car-. H. H. Hewitt. No. 1,264,184; Apr. 30; v. 249; p. 1005.
Truck, Car-. R. B. Kendig. No. 1,289,807; Dec. 31; v. 257; p. 1008.
Truck, Car-. K. F. Nyström. No. 1,288,146; Dec. 17; v. 257; p. 552.
Truck, Car-. H. M. Pflager. No. 1,276,687; Aug. 20; v. 253; p. 710.
Truck, Car-. H. M. Pflager. No. 1,276,688; Aug. 20; v. 253; p. 710.
Truck, Car-. H. M. Pflager. No. 1,277,114; Aug. 27; v. 253; p. 862.
Truck, Car-. H. M. Pflager. No. 1,277,115; Aug. 27; v. 253; p. 862.
Truck, Car-. H. M. Pflager. No. 1,278,007; Sept. 3; v. 254; p. 185.
Truck, Car-. H. M. Pflager. No. 1,278,008; Sept. 3; v. 254; p. 185.
Truck, Car-. H. M. Pflager. No. 1,278,739; Sept. 10; v. 254; p. 406
Truck, Car-. K. Rushton. No. 1,265,389; May 7; v. 250; p. 142.
Truck, Car-. J. Taylor. No. 1,274,348; July 30; v. 252; p. 1121.
Truck, Car-. C. T. Westlake. No. 1,275,340; Aug. 13; v. 253; p. 306.
Truck, Casket-trimming. A. McClain. No. 1,252,276; Jan. 1; v. 246; p. 241.
Truck-centering device. W. F. J. Casey and G. Cavin. No. 1,283,074; Oct. 29; v. 255; p. 935.
Truck, Chair-supporting. J. M. Hosick and A. D. Lowenthal. No. 1,251,777; Jan. 1; v. 246; p. 100.
Truck construction for railway-cars, Six-wheel-. J. C. Larsen and G. T. Johnson. No. 1,253,842; Jan. 15; v. 246; p. 761.
Truck, Conveyer-. C. E. Drum. No. 1,270,502; June 25; v. 251; p. 751.
Truck-coupling. H. L. Schroeder. No. 1,287,459; Dec. 10; v. 257; p. 348.
Truck, Dry-kiln. C. A. Lohman. No. 1,263,687; Apr. 23; v. 249; p. 836.
Truck, Drying and transportation. H. A. W. Rasmussen. No. 1,275,983; Aug. 13; v. 253; p. 484.
Truck, Dumping-. C. F. Hanger. No. 1,278,460; Sept. 10; v. 254; p. 330.
Truck, Dumping-. G. A. Wood. No. 1,271,973; July 9; v. 252; p. 375.
Truck, Elevating-. F. Blackburn. (Reissue.) No. 14,575; Dec. 24; v. 257; p. 800.
Truck, Elevating-. R. C. Lafferty. No. 1,262,361; Apr. 9; v. 249; p. 416.
Truck, Elevating-. J. Willer. No. 1,286,861; Dec. 3; v. 257; p. 160.
Truck, End-dump. C. I. Longenecker. No. 1,260,559; Mar. 26; v. 248; p. 857.
Truck, Fabric-handling. W. C. Stevens. No. 1,263,293; Apr. 16; v. 249; p. 706.
Truck, Foldable. C. Buetefisch and H. G. Coster. No. 1,285,923; Nov. 26; v. 256; p. 743.
Truck for cultivators and other agricultural implements, Front. W. Elliott. No. 1,279,677; Sept. 24; v. 254; p. 715.
Truck for disappearing beds, Pivotal. E. C. Pitcher. No. 1,285,789; Nov. 26; v. 256; p. 710.
Truck for feeding trays to ovens, Portable. H. Jander. No. 1,272,048; July 9; v. 252; p. 397.
Truck for locomotives, Swing-. K. Rushton. No. 1,272,118; July 9; v. 252; p. 417.
Truck for locomotives, Trailer-. C. T. Westlake. No. 1,275,341; Aug. 13; v. 253; p. 306.
Truck for printing-presses, Roller-. E. P. Valley. No. 1,277,790; Sept. 3; v. 254; p. 128.
Truck for soldier-protectors, Transporting-. J. Sachar. No. 1,284,785; Nov. 12; v. 256; p. 377.
Truck for transporting heavy flower-pots. D. Comfort. No. 1,254,778; Jan. 29; v. 246; p. 1079.
Truck for vehicles, Power-. R. Cilley. No. 1,251,749; Jan. 1; v. 246; p. 92.
Truck for wardrobe-trunks, Adjustable. C. D. Harper. No. 1,283,166; Oct. 29; v. 255; p. 960.
Truck-frame. R. E. Wilder. No. 1,270,908; July 2; v. 252; p. 44.
Truck frame, Car-. E. C. Long. No. 1,274,296; July 30; v. 252; p. 1107.
Truck, Hand-. A. O. Evenson. No. 1,270,024; June 18; v. 251; p. 595.
Truck, Industrial. C. E. Cochran. No. 1,260,145; Mar. 19; v. 248; p. 701.
Truck, Industrial. C. E. Cochran. No. 1,275,849; Aug. 13; v. 253; p. 447.
Truck, Industrial. B. A. Northrup and T. K. Calder. No. 1,276,799; Aug. 27; v. 253; p. 778.
Truck, Inking-roll. F. J. Bradley and M. C. Dionne. No. 1,284,867; Nov. 12; v. 256; p. 398.
Truck, Jack-. H. G. Tucker. No. 1,282,988; Oct. 29; v. 255; p. 912.
Truck, Lifting-. W. F. Irrgang. No. 1,253,178; Jan. 8; v. 246; p. 538.
Truck, Lifting-. J. B. Martin. No. 1,280,795; Oct. 8; v. 255; p. 215.
Truck, Lifting-. W. Stuebing, Jr. No. 1,257,650; Feb. 26; v. 247; p. 854.
Truck, Lifting-. W. Stuebing, Jr. No. 1,279,481; Sept. 17; v. 254; p. 636.
Truck, Locomotive-. F. A. Isaacson. No. 1,272,450; July 16; v. 252; p. 535.
Truck, Locomotive or car. A. F. Batchelder. No. 1,277,360; Sept. 3; v. 254; p. 7.
Truck mechanism, Tractor. B. Holt. No. 1,258,607; Mar. 5; v. 248; p. 192.
Truck mechanism, Tractor. W. Turnbull. No. 1,282,327; Oct. 22; v. 255; p. 702.
Truck, Mining-machine. C. J. E. Waxbom. No. 1,276,142; Aug. 20; v. 253; p. 560.
Truck, Motor-. P. R. Campion. No. 1,284,234; Nov. 12; v. 256; p. 237.
Truck, Motor-. J. D. Craft. No. 1,261,105; Apr. 2; v. 249; p. 33.
Truck or trolley, Lifting. W. E. Kimber. No. 1,260,657; Mar. 26; v. 248; p. 886.
Truck, Packer's. F. C. Gordon. No. 1,282,218; Oct. 22; v. 255; p. 672.
Truck-pedestal. F. H. Bender. No. 1,275,644; Aug. 13; v. 253; p. 389.
Truck, Piano-. R. M. Storer. No. 1,285,457; Nov. 19; v. 256; p. 587.
Truck-platform. J. W. Cox. No. 1,252,786; Jan. 8; v. 246; p. 422.
Truck-reel for conductor-wires. B. Quesnoy. No. 1,260,044; Mar. 19; v. 248; p. 675.
Truck. Self-trailing. S. L. Long. No. 1,288,432; Dec. 17; v. 257; p. 618.
Truck, Side-dump. C. I. Longenecker. No. 1,260,560; Mar. 26; v. 248; p. 857.
Truck side frame. J. A. Lamont. No. 1,274,170; July 30; v. 252; p. 1073.
Truck side frame. E. E. Slick. No. 1,263,616; Apr. 23; v. 249; p. 817.
Truck side frame, Built-up. S. A. Benner. No. 1,283,049; Oct. 29; v. 255; p. 928.
Truck side pedestal. S. A. Benner. No. 1,271,120; July 2; v. 252; p. 103.
Truck, Six-wheel. A. Christianson. No. 1,255,857; Feb. 12; v. 247; p. 255.
Truck, Six-wheel. F. H. Kayler. No. 1,288,423; Dec. 17; v. 257; p. 616.
Truck, Six-wheel. B. D. Lockwood. No. 1,251,674; Jan. 1; v. 246; p. 70.
Truck, Steering-. W. H. Puttock. No. 1,258,610; Mar. 5; v. 248; p. 193.
Truck steering mechanism, Four-wheel-. F. H. Stebbins and W. A. Hopkins. No. 1,289,296; Dec. 31; v. 257; p. 882.
Truck, Tongue-. H. E. Heitmiller. No. 1,258,772; Mar. 12; v. 248; p. 278.
Truck, track, and steering mechanism, Car. G. E. Hasty. No. 1,266,591; May 21; v. 250; p. 533.
Truck, Trailer-. R. Miller, Jr. No. 1,287,727; Dec. 17; v. 257; p. 447.
Truck, Trailer-. O. C. Potts. No. 1,255,222; Feb. 5; v. 247; p. 30.
Truck, Trailer-. J. O. Wilson. No. 1,267,487; May 28; v. 250; p. 809.
Truck-wheel, Pressed-steel. J. Ledwinka. No. 1,270,306; June 25; v. 251; p. 696.

Truck, Wrecking-. J. Egan. No. 1,266,238; May 14; v. 250; p. 408.
Truck, Wrecking-. J. Egan. (Reissue.) No. 14,506; Aug. 20; v. 253; p. 714.
Trucks, Bolster-guide link for railway-. F. B. Deans. No. 1,264,491; Apr. 30; v. 249; p. 1091.
Trucks, Brake-rigging for six-wheeled. T. L. Burton. No. 1,274,677; Aug. 6; v. 253; p. 96.
Trucks, Braking device for elevating-. D. C. Lambson. No. 1,269,095; June 11; v. 251; p. 308.
Trucks, Clasp-brake design for six-wheeled. T. L. Burton. No. 1,274,676; Aug. 6; v. 253; p. 96.
Trucks, Driver's cab for motor-. W. L. Kissel. No. 1,274,421; Aug. 6; v. 253; p. 22.
Trucks, Dynamo suspension on car-. P. Kennedy. No. 1,269,822; June 18; v. 251; p. 541.
Trucks, Elevator attachment for. H. Schrottky. No. 1,280,090; Sept. 24; v. 254; p. 831.
Trucks, Hydraulic hoist for. S. T. Wallace. No. 1,264,460; Apr. 30; v. 249; p. 1083.
Trucks, Independent clasp-brake for trailer-. F. E. Schwentler. No. 1,270,878; July 2; v. 252; p. 35.
Trucks, Jack-shaft-sprocket bearing for automobile-. H. O. King. No. 1,288,032; Dec. 17; v. 257; p. 523.
Trucks, Load-indicator for motor-. F. J. Troll. (Reissue.) No 14,475; May 21; v. 250; p. 749.
Trucks, Loading and unloading mechanism for motor-. G. W. Ittner. No. 1,289,786; Dec. 31; v. 257; p. 1003.
Trucks, Means for combining side frames and journal-boxes with car-. A. C. McCord. No. 1,272,824; July 16; v. 252; p. 643.
Trucks, Runners and propelling mechanism for automobile-. A. Burrows. No. 1,252,233; Jan. 1; v. 246; p. 229.
Trucks, System of equalization for car-. J. A. Pilcher. No. 1,265,374; May 7; v. 250; p. 138.
Trucks, Tractor attachment for motor-. J. S. Harger. No. 1,268,116; June 4; v. 251; p. 14.
Trucks, Wheel-mount for. C. J. Williams, Jr. No. 1,260,113; Mar. 19; v. 248; p. 693.
Truing toric tools, Machine for. J. H. Pearsen. No. 1,287,091; Dec. 10; v. 257; p. 258.
Truncheon and extension pistol-barrel, Combination policeman's. E. N. Moor. No. 1,281,195; Oct. 8; v. 255; p. 324.
Trunk. G. E. Ensey. No. 1,280,430; Oct. 1; v. 255; p. 88.
Trunk. P. J. Kelly. No. 1,255,318; Feb. 5; v. 247; p. 58.
Trunk. S. L. Kleber. No. 1,265,212; May 7; v. 250; p. 94.
Trunk and dresser, Combined. S. R. Maki. No. 1,269,196; June 11; v. 251; p. 335.
Trunk-circuit. H. D. Currier. No. 1,283,400; Oct. 29; v. 255; p. 1021.
Trunk clothes-carrier, Wardrobe-. E. B. Linnett. No. 1,272,819; July 16; v. 252; p. 642.
Trunk, Convertible. B. E. Carrm. No. 1,285,935; Nov. 26; v. 256; p. 746.
Trunk, desk, and chair, Combined. R. E. Baker. No. 1,264,474; Apr. 30; v. 249; p. 1087.
Trunk-drawer lock. H. Likly. No. 1,276,233; Aug. 20; v. 253; p. 584.
Trunk-fixture. G. H. Wheary. No. 1,262,608; Apr. 9; v. 249; p. 486.
Trunk-handle. J. O. Wiley. No. 1,267,948; May 28; v. 250; p. 941.
Trunk-loader. R. F. Downey and W. Murdoch. No. 1,269,527; June 11; v. 251; p. 425.
Trunk-lock. J. Dembiczak. No. 1,287,652; Dec. 17; v. 257; p. 428.
Trunk-lock. E. W. Hawley. No. 1,266,939; May 21; v. 250; p. 631.
Trunk-lock. A. Hudziak. No. 1,255,012; Jan. 29; v. 246; p. 1146.
Trunk-locking mechanism. N. A. Reinhard. No. 1,282,291; Oct. 22; v. 255; p. 693.
Trunk-trimming. G. H. Wheary. No. 1,265,847; May 14; v. 250; p. 298.
Trunk, Wardrobe-. A. H. Boyd. No. 1,268,207; June 4; v. 251; p. 39.
Trunk, Wardrobe-. C. G. Graves. No. 1,284,654; Nov. 12; v. 256; p. 343.
Trunk, Wardrobe-. E. W. Hawley. No. 1,258,566; Mar. 5; v. 248; p. 180.
Trunk, Wardrobe-. E. J. Maher. No. 1,256,344; Feb. 12; v. 247; p. 401.
Trunk, Wardrobe-. R. C. McCann. No. 1,277,442; Sept. 3; v. 254; p. 31.
Trunk, Wardrobe-. F. Videgaray. No. 1,252,516; Jan. 8; v. 246; p. 344.
Trunks and suitcases, Tray for. N. Papapetrou. No. 1,254,530; Jan. 22; v. 246; p. 976.
Trunks, Apparel-hanger-supporting bracket for wardrobe-. M. Stockov. No. 1,285,455; Nov. 19; v. 256; p. 586.
Trunks, Drawer construction for. G. H. Wheary. No. 1,273,297; July 23; v. 252; p. 796.
Trunks, Garment-supporting form and presser for ward robe-. F. Videgaray. No. 1,266,358; May 14; v. 250; p. 439.
Trunks, Hanger-support for. C. R. Stevenson. No. 1,282,972; Oct. 29; v. 255; p. 908.
Trunks, Presser for wardrobe-. F. Videgaray. No. 1,259,937; Mar. 19; v. 248; p. 644.
Trunks, Shoe-holder for. J. H. Bartlett. No. 1,262,911; Apr. 16; v. 249; p. 599.
Trunking system. H. P. Clausen. No. 1,271,855; July 9; v. 252; p. 340.
Truss. J. L. Brennan. No. 1,253,135; Jan. 8; v. 246; p. 526.
Truss. W. T. Coholan. No. 1,279,657; Sept. 24; v. 254; p. 709.
Truss. J. J. Dillenbeck. No. 1,277,704; Sept. 3; v. 254; p. 104.
Truss. L. A. Fritsch. No. 1,258,618; Mar. 5; v. 248; p. 196.
Truss. J. McIntyre. No. 1,273,893; July 30; v. 252; p. 995.
Truss. J. H. Pickering. No. 1,255,221; Feb. 5; v. 247; p. 30.
Truss. J. I. Throckmorton. No. 1,272,577; July 16; v. 252; p. 571.
Truss. W. Wenzel. No. 1,281,240; Oct. 8; v. 255; p. 337.
Truss. H. N. Witt. No. 1,255,969; Feb. 12; v. 247; p. 288.
Truss, Hernia-. A. T. Gookin. No. 1,282,569; Oct. 22; v. 255; p. 768.
Truss, Hernia-. S. S. Moyer. No. 1,261,270; Apr. 2; v. 249; p. 79.
Truss, Hernial. E. J. McBride. No. 1,263,781; Apr. 23; v. 249; p. 861.
Truss-pad. J. W. Embree. No. 1,273,592; July 23; v. 252; p. 876.
Truss-pad. J. W. Embree. No. 1,273,755; July 23; v. 252; p. 918.
Truss-pad. F. E. Miller. No. 1,263,455; Apr. 23; v. 249; p. 774.
Truss-pad. G. M. Powers. No. 1,284,769; Nov. 12; v. 256; p. 373.
Truss structures, Joint-fitting for. J. W. Miller. No. 1,284,919; Nov. 12; v. 256; p. 412.
Tub-fixture. J. F. Rutz and F. A. Gauger. No. 1,261,298; Apr. 2; v. 249; p. 87.
Tubs and the like, Cover for. N. Zimtbaum. No. 1,285,548; Nov. 19; v. 256; p. 608.
Tubs, Water-controlling mechanism for laundry-. T. Birkenmaier. No. 1,252,079; Jan. 1; v. 246; p. 187.
Tube: *See*—
- Airless inner tube.
- Collapsible tube.
- Flexible tube.
- Inner tube.
- Metallic tube.
- Paste-tube.
- Tire-tube.
- Tire-forming tube.
- Tire inner tube.
- Vaporizing-tube.
- Vulcanizing-tube.
- X-ray tube.
- Submarine torpedo-launching tube.

Tube. B. K. Ford. No. 1,287,945; Dec. 17; v. 257; p. 501.
Tube-bending machine. W. H. Burt. No. 1,267,845; May 28; v. 250; p. 912.
Tube-bending machine. W. P. Frank. No. 1,283,140; Oct. 29; v. 255; p. 952.
Tube-bending machine. J. F. Hansen. No. 1,261,229; Apr. 2; v. 249; p. 66.
Tube-bending machine. C. Vallone. No. 1,261,191; Apr. 2; v. 249; p. 56.
Tube-clamp. L. Lustig. No. 1,281,800; Oct. 15; v. 255; p. 519.
Tube-cleaning tool. P. J. Darlington. No. 1,258,094; Mar. 5; v. 248; p. 43.
Tube-cleaning tool. C. M. Griffin. No. 1,280,443; Oct. 1; v. 255; p. 92.
Tube-cutting apparatus. G. B. Eddy. No. 1,258,663; Mar. 12; v. 248; p. 248.
Tube-cutting machine. H. Neuman. No. 1,269,635; June 18; v. 251; p. 488.
Tube-expander. T. J. Dixon. No. 1,269,688; June 18; v. 251; p. 502.
Tube-expander. P. W. Foster. No. 1,273,475; July 23; v. 252; p. 845.
Tube for paste, &c. J. F. De Camps. No. 1,279,290; Sept. 17; v. 254; p. 584.
Tube-forming machine. J. L. Hosack. No. 1,266,470; May 14; v. 250; p. 468.
Tube-forming machine. F. J. Jarecki. No. 1,288,603; Dec. 24; v. 257; p. 689.
Tube-forming machine. J. W. Packer. No. 1,258,441; Mar. 5; v. 248; p. 143.
Tube-forming machine, Metal-. H. Neuman. No. 1,257,293; Feb. 19; v. 247; p. 715.
Tube-frame spools, Bearing-support for. C. Lea. No. 1,255,443; Feb. 5; v. 247; p. 94.
Tube-holder. W. J. A. Brand. No. 1,280,956; Oct. 8; v. 255; p. 258.
Tube-injector. E. J. Brennesen. No. 1,266,394; May 14; v. 250; p. 448.
Tube-machine. F. B. Yingling. No. 1,258,731; Mar. 12; v. 248; p. 266.
Tube-mill. J. G. Bergman. No. 1,280,375; Oct. 1; v. 255; p. 73.
Tube-mill feeder. H. W. Hardinge. No. 1,272,801; July 16; v. 252; p. 636.
Tube protector, Inner-. W. C. Guild. No. 1,282,688; Oct. 22; v. 255; p. 800.

Tube-rolling device. A. T. Johnson. No. 1,257,609; Feb. 26; v. 247; p. 842.
Tube-splitter. E. L. Wagner. No. 1,276,458; Aug. 20; v. 253; p. 649.
Tube-stem dust-cap, Pneumatic-. W. L. Frazer. No. 1,253,806; Jan. 15; v. 246; p. 749.
Tube-tester. P. J. O'Sullivan. No. 1,273,914; July 30; v. 252; p. 1002.
Tube-vulcanizing apparatus. J. T. Alvis. No. 1,260,291; Mar. 26; v. 248; p. 777.
Tube-welding mechanism. F. Kritz. No. 1,273,502; July 23; v. 252; p. 852.
Tube-wrapping machine. J. G. Moomy. No. 1,275,072; Aug. 6; v. 253; p. 207.
Tubes, Attachment for collapsible. R. L. Willis. No. 1,274,129; July 30; v. 252; p. 1062.
Tubes, Device for removing obstructions from. F. J. Leslie. No. 1,275,571; Aug. 13; v. 253; p. 369.
Tubes for splicing, Mechanism for preparing. C. H. Durkee. No. 1,283,701; Nov. 5; v. 256; p. 69.
Tubes, Forming laminated. W. H. Kempton. No. 1,284,706; Nov. 12; v. 256; p. 357.
Tubes from hollow blooms, billets, and the like, Apparatus for use in making weldless. J. G. and G. R. Inshaw. No. 1,263,251; Apr. 16; v. 249; p. 696.
Tubes, Machine for manufacturing spirally-wound. L. C. Maltby. No. 1,254,336; Jan. 22; v. 246; p. 921.
Tubes, Machine for the manufacture of inner. E. Nall. No. 1,285,321; Nov. 19; v. 256; p. 552.
Tubes, Making. W. H. Kempton. No. 1,284,363; Nov. 12; v. 256; p. 272.
Tubes, Making. J. G. Moomy. No. 1,275,073; Aug. 6; v. 253; p. 208.
Tubes, Making composite. L. T. Frederick. No. 1,284,298; Nov. 12; v. 256; p. 256.
Tubes, Manufacture of seamless. S. E. Diescher. No. 1,280,683; Oct. 8; v. 255; p. 184.
Tubes, Manufacture of section-. G. Debenedetti. No. 1,283,692; Nov. 5; v. 256; p. 67.
Tubes or pipes, Coupling for flanged. T. E. Murray. No. 1,273,524; July 23; v. 252; p. 857.
Tubes to hand-grenades of thin metal, Attaching fuse-. T. E., Jr., and J. B. Murray. No. 1,286,062; Nov. 26; v. 256; p. 777.
Tubes upon metal pipes, Joint for fixing elastic. M. A. Mazade. No. 1,271,597; July 9; v. 252; p. 269.
Tubing, Making lock-seam. F. Kritz. No. 1,263,328; Apr. 16; v. 249; p. 715.
Tubing of metal, pulp, or other materials, Machine for making seamless. G. E. Neuberth. No. 1,285,328; Nov. 19; v. 256; p. 554.
Tubular articles, Machine for operating on. A. Calleson. No. 1,289,388; Dec. 31; v. 257; p. 905.
Tubular articles, Machine for operating on. A. Calleson. No. 1,289,389; Dec. 31; v. 257; p. 905.
Tubular articles, Machine for operating on. A. Calleson. No. 1,289,390; Dec. 31; v. 257; p. 906.
Tubular articles, Marking. A. M. Saunders. No. 1,274,788; Aug. 6; v. 253; p. 127.
Tubular members, Apparatus for cleaning the interior of. W. G. Abbott, Jr. No. 1,252,072; Jan. 1; v. 246; p. 185.
Tug-attaching device. M. G. Thomas. No. 1,281,229; Oct. 8; v. 255; p. 334.
Tug-buckle. M. Jendro. No. 1,284,695; Nov. 12; v. 256; p. 354.
Tug, Hame-. L. C. Mears. No. 1,264,540; Apr. 30; v. 249; p. 1105.
Tug-hook for harness. J. H. Howard. No. 1,251,528; Jan. 1; v. 246; p. 23.
Tug-rope holder. J. P. Burt. No. 1,274,984; Aug. 6; v. 253; p. 182.
Tumbler, Drying-. G. A. Miller. No. 1,288,110; Dec. 17; v. 257; p. 543.
Tumbler-lock. E. S. Phelps. No. 1,263,104; Apr. 16; v. 249; p. 656.
Tumbling apparatus. L. Potthoff. No. 1,251,567; Jan. 1; v. 246; p. 36.
Tune-sheet for mechanical piano-players and the like, Perforated. F. H. Mowbray. No. 1,281,632; Oct. 15; v. 255; p. 474.
Tuning-transformer. C. B. Campbell. No. 1,276,618; Aug. 20; v. 253; p. 693.
Tungstates, Obtaining. J. B. Ekeley and W. B. Stoddard. No. 1,255,144; Feb. 5; v. 247; p. 9.
Tungsten and nitrogen, Producing compounds containing. C. Bosch and A. Mittasch. No. 1,278,580; Sept. 10; v. 254; p. 363.
Tungsten-filament treatment. C. T. Fuller. No. 1,280,704; Oct. 8; v. 255; p. 190.
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Tungsten production, Ductile-. C. A. Pfanstiehl. No. 1,282,122; Oct. 22; v. 255; p. 647.
Tungsten-reducing furnace. C. A. Pfanstiehl. No. 1,263,598; Apr. 23; v. 249; p. 812.
Tungsten-reducing furnace. C. A. Pfanstiehl. No. 1,289,896; Dec. 31; v. 257; p. 1030.
Tungsten trioxid, Producing finely-divided. C. A. Pfanstiehl. No. 1,277,475; Sept. 3; v. 254; p. 39.
Tuning-fork. A. F. Dixon. No. 1,257,684; Feb. 26; v. 247; p. 863.
Tunnel and sewer mold-form. H. B. Loxterman. No. 1,279,561; Sept. 24; v. 254; p. 681.
Tunnel-block and tunnel construction. C. G. Hastings. No. 1,262,041; Apr. 9; v. 249; p. 326.
Tunnel-boat. C. H. Fowler. No. 1,263,052; Apr. 16; v. 249; p. 640.
Tunnel construction. C. G. Hastings. No. 1,256,312; Feb. 12; v. 247; p. 390.
Tunnel construction. D. D. McBean. No. 1,260,416; Mar. 26; v. 248; p. 814.
Tunnel-drier. G. H. Benjamin. No. 1,280,642; Oct. 8; v. 255; p. 172.
Tunnel-drier. G. D. Harris. No. 1,282,822; Oct. 29; v. 255; p. 865.
Tunnel-kiln, Continuous. G. H. Benjamin. No. 1,268,204; June 4; v. 251; p. 38.
Tunnel-kilns, Method of and means for balancing draft in. J. B. Owens. No. 1,278,991; Sept. 17; v. 254; p. 505.
Tunnel mold-form. C. Brynoldt. No. 1,277,186; Aug. 27; v. 253; p. 881.
Tunnel mold-form. H. B. Loxterman. No. 1,273,244; July 23; v. 252; p. 783.
Tunnel mold-form. H. B. Loxterman. No. 1,285,266; Nov. 19; v. 256; p. 537.
Tunnels, Building foundations for subaqueous. D. D. McBean. No. 1,272,479; July 16; v. 252; p. 543.
Tunnels, Method of and apparatus for constructing. J. W. Hamilton. No. 1,275,910; Aug. 13; v. 253; p. 464.
Tunneling. J. F. O'Rourke. No. 1,277,107; Aug. 27; v. 253; p. 860.
Tunneling-machine. W. E. Dean. (Reissue.) No. 14,454; Apr. 2; v. 249; p. 213.
Tunneling-machine. J. C. French. No. 1,272,653; July 16; v. 252; p. 594.
Tunneling-machine. E. S. McKinlay. No. 1,284,398; Nov. 12; v. 256; p. 282.
Tunneling, Means for forming circular. J. W. Morgan. No. 1,255,207; Feb. 5; v. 247; p. 27.
Tunneling-shield. C. G. Hastings. No. 1,256,313; Feb. 12; v. 247; p. 391.
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Turbine. C. S. Farrer. No. 1,283,485; Nov. 5; v. 256; p. 13.
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Turbine. W. L. Zaar. No. 1,288,360; Dec. 17; v. 257; p. 601.
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Turbine apparatus. H. F. Schmidt. No. 1,252,956; Jan. 8; v. 246; p. 471.
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Turbine-blades while milling, Gripping and alining head for holding. J. B. Weaver. No. 1,271,399; July 2; v. 252; p. 180.
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Turbine, Elastic-fluid. O. Junggren. No. 1,253,834; Jan. 15; v. 246; p. 758.
Turbine, Elastic-fluid. O. Junggren. No. 1,267,229; May 21; v. 250; p. 713.
Turbine, Elastic-fluid. O. Junggren. No. 1,267,872; May 28; v. 250; p. 920.
Turbine, Elastic-fluid. B. and F. Ljungström. No. 1,269,541; June 11; v. 251; p. 429.
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Turbine, Elastic-fluid. C. Steenstrup. No. 1,270,232; June 18; v. 251; p. 649.
Turbine, Elastic-fluid. O. A. Wiberg. No. 1,257,167; Feb. 19; v. 247; p. 676.
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Turbine, Fluid-. W. T. Manogue. No. 1,273,257; July 23; v. 252; p. 786.
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Turbine, Gas-. J. Taylor. No. 1,289,960; Dec. 31; v. 257; p. 1046.
Turbine, Internal-combustion. R. Esmault-Pelterie. No. 1,278,499; Sept. 10; v. 254; p. 340.
Turbine, Internal-combustion. R. J. Parrish. No. 1,276,260; Aug. 20; v. 253; p. 592.
Turbine, Mixed gas and liquid. H. Föttinger. No. 1,256,673; Feb. 19; v. 247; p. 532.
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Turbine or impact engine. E. Anderson. No. 1,271,825; July 9; v. 252; p. 332.
Turbine, Reversible radial-flow. F. Ljungström. No. 1,273,633; July 23; v. 252; p. 887.
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Umbrella ring and marker. J. H. Gilroy. No. 1,279,327; Sept. 17; v. 254; p. 594.
Umbrella-runner. F. W. Howard. No. 1,255,609; Feb. 5; v. 247; p. 144.
Umbrella-runner. F. W. Howard. No. 1,268,354; June 4; v. 251; p. 81.
Umbrella-runner. F. W. Howard and H. M. Brown. No. 1,268,353; June 4; v. 251; p. 80.
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Undercleaner-roll. N. E. Lucas. No. 1,274,570; Aug. 6; v. 253; p. 66.
Undercutter-guide. I. C. Drake. No. 1,269,408; June 11; v. 251; p. 394.
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Undergarment. M. I. Boltz. No. 1,277,841; Sept. 3; v. 254; p. 141.
Undergarment. E. C. Heyn. No. 1,280,027; Sept. 24; v. 254; p. 815.
Undergarment. E. C. Heyn. No. 1,280,028; Sept. 24; v. 254; p. 816.
Undergarment. R. Huels. No. 1,288,417; Dec. 17; v. 257; p. 614.
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Undergarment. H. H. Willcox. No. 1,283,006; Oct. 29; v. 255; p. 918.
Undergarment. M. Ziniring. No. 1,254,874; Jan. 29; v. 246; p. 1110.
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Underreamer. W. B. Wigle. No. 1,273,708; July 23; v. 252; p. 906.

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Undervest, Woman's. E. A. Y. Querns. No. 1,276,266; Aug. 20; v. 253; p. 593.
Underwaist. J. Hait and F. R. Ebbets. No. 1,288,408; Dec. 17; v. 257; p. 613.
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Universal joint. R. A. Hartmann. No. 1,288,577; Dec. 24; v. 257; p. 683.
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Valve. A. Vaughn and H. App. No. 1,261,326; Apr. 2; v. 249; p. 96.

Valve. F. C. Vollmer. No. 1,279,185; Sept. 17; v. 254; p. 555.
Valve. J. T. Walsh. No. 1,284,833; Nov. 12; v. 256; p. 390.
Valve. W. S. Wardell. No. 1,261,078; Apr. 2; v. 249; p. 25.
Valve. P. Winsor. No. 1,265,153; May 7; v. 250; p. 78.
Valve. F. W. Wolf. No. 1,285,873; Nov. 26; v. 256; p. 731.
Valve. H. A. Wood. No. 1,260,502; Mar. 26; v. 248; p. 840.
Valve. M. L. Woods. No. 1,288,356; Dec. 17; v. 257; p. 600.
Valve. L. E. Younie and P. A. Wickes. No. 1,251,730; Jan. 1; v. 246; p. 86.
Valve. C. W. Zimmer. No. 1,289,349; Dec. 31; v. 257; p. 896.
Valve-actuating device. J. R. Rollman. No. 1,278,022; Sept. 3; v. 254; p. 188.
Valve-actuating device, Pneumatic. H. W. Terry and J. W. Fowler. No. 1,279,786; Sept. 24; v. 254; p. 747.
Valve-actuating means for internal-combustion engines, Exhaust-. J. A. Brown. No. 1,261,355; Apr. 2; v. 249; p. 104.
Valve-actuating mechanism, Throttle-. J. M. Coffey. No. 1,289,667; Dec. 31; v. 257; p. 973.
Valve-actuator. M. H. Lucas. No. 1,261,949; Apr. 9; v. 249; p. 302.
Valve, Adjustable feed-. C. E. Rork. No. 1,287,756; Dec. 17; v. 257; p. 454.
Valve, Air-. M. McCracken. No. 1,261,044; Apr. 2; v. 249; p. 16.
Valve, Air-. F. J. Rheaume. No. 1,283,303; Oct. 29; v. 255; p. 994.
Valve, Air-. W. A. Russell. No. 1,268,883; June 11; v. 251; p. 248.
Valve, Air-check. F. A. Kaeding. No. 1,281,974; Oct. 15; v. 255; p. 565.
Valve, Air safety-. T. W. Broderick. No. 1,288,821; Dec. 24; v. 257; p. 741.
Valve and faucet mechanism, Automatic cut-off. T. A. Sammons. No. 1,268,160; June 4; v. 251; p. 26.
Valve and gage, Combined air-supply. A. C. Robinson. No. 1,271,489; July 2; v. 252; p. 204.
Valve and head for internal-combustion engines. F. D. Shepherd. No. 1,262,398; Apr. 9; v. 249; p. 426.
Valve and igniter for combustion-motors, Revoluble water-cooled. R. E. Hicks. No. 1,269,812; June 18; v. 251; p. 538.
Valve and making same, Air-. C. V. Martin. No. 1,288,097; Dec. 17; v. 257; p. 540.
Valve and manifold, Rotary. R. W. Paul and L. L. Clark. No. 1,264,850; Apr. 30; v. 249; p. 1189.
Valve and pressure-controlling mechanism for air-brakes, Engineer's. W. C. Webster. No. 1,256,407; Feb. 12; v. 247; p. 420.
Valve and primer, Auxiliary air-inlet. I. Goldberg. No. 1,289,732; Dec. 31; v. 257; p. 990.
Valve and retainer therefor. J. E. Blackmore. No. 1,288,486; Dec. 24; v. 257; p. 659.
Valve and tap. F. H. Luke and C. R. Millar. No. 1,252,910; Jan 8; v. 246; p. 456.
Valve and the like, Retarded-alarm. A. J. Gross. No. 1,287,972; Dec. 17; v. 257; p. 507.
Valve and valve-grid support for air-compressors. G. M. Richards. No. 1,287,751; Dec. 17; v. 257; p. 453.
Valve and valve-spring remover. C. L. Gannaway. No. 1,266,788; May 21; v. 250; p. 590.
Valve, Antifreezing. J. H. Quinn. No. 1,263,107; Apr. 16; v. 249; p. 657.
Valve-assembly remover. R. C. Murray. No. 1,253,867; Jan. 15; v. 246; p. 768.
Valve, Automatic. E. W. Discher. No. 1,257,070; Feb. 19; v. 247; p. 649.
Valve, Automatic. E. W. Discher. No. 1,287,258; Dec. 10; v. 257; p. 301.
Valve, Automatic. C. Frech. No. 1,270,282; June 25; v. 251; p. 688.
Valve, Automatic. L. Le Bozec. No. 1,269,616; June 18; v. 251; p. 483.
Valve, Automatic. J. P. Singiser. No. 1,252,046; Jan. 1; v. 246; p. 178.
Valve, Automatic churn-. H. J. Hopkins. No. 1,280,477; Oct. 1; v. 255; p. 100.
Valve, Automatic controlling-. J. Auld and J. Graham. No. 1,261,340; Apr. 2; v. 249; p. 100.
Valve, Automatic cut-off. T. Gee. No. 1,286,583; Dec. 3; v. 257; p. 98.
Valve, Automatic exhaust-. W. Turnwald. No. 1,285,475; Nov. 19; v. 256; p. 591.
Valve, Automatic fuel-changing. J. S. Connelly. No. 1,260,756; Mar. 26; v. 248; p. 915.
Valve, Automatic gas-. K. Szeredi. No. 1,280,899; Oct. 8; v. 255; p. 244.
Valve, Automatic pressure-regulating. J. C. Kitton. No. 1,255,538; Feb. 5; v. 247; p. 124.
Valve, Automatic safety-. A. E. Ruchty. No. 1,261,627; Apr. 2; v. 249; p. 180.
Valve, Automatic supply-. E. G. Watrous. No. 1,270,901; July 2; v. 252; p. 42.
Valve, Auxiliary air-. B. G. Rich. No. 1,259,291; Mar. 12; v. 248; p. 425.
Valve, Auxiliary air-. G. C. Shivers. No. 1,257,134; Feb. 19; v. 247; p. 666.
Valve, Auxiliary air-inlet. J. H. Schmidt. No. 1,267,465; May 28; v. 250; p. 803.
Valve, Auxiliary air-intake. F. A. Coles. No. 1,264,775; Apr. 30; v. 249; p. 1168.
Valve, Auxiliary air-intake. M. R. Schaffer. No. 1,280,310; Oct. 1; v. 255; p. 55.
Valve, Back-pressure. C. F. Wallace and M. F. Tiernan. No. 1,285,493; Nov. 19; v. 256; p. 595.
Valve-bag. N. M. Fegely. No. 1,287,935; Dec. 17; v. 257; p. 499.
Valve, Balanced. D. A. Alexander. No. 1,273,804; July 30; v. 252; p. 969.
Valve, Balloon-. C. F. Smyth. No. 1,266,338; May 14; v. 250; p. 434.
Valve, Barometric. E. E. Eby. No. 1,266,566; May 21; v. 250; p. 526.
Valve, Brake-pipe vent-. W. V. Turner. No. 1,281,432; Oct. 15; v. 255; p. 422.
Valve by pulling, Means for positively opening a. H. Waibel. No. 1,255,364; Feb. 5; v. 247; p. 72.
Valve-cap. R. R. Brown. No. 1,254,975; Jan. 29; v. 246; p. 1137.
Valve-cap. H. Fuchs. No. 1,271,695; July 9; v. 252; p. 297.
Valve-cap. H. Martin and J. R. White. No. 1,270,641; June 25; v. 251; p. 788.
Valve-cap and pump-coupling, Combined. H. P. Kraft. No. 1,261,405; Apr. 2; v. 249; p. 118.
Valve-cap and pump-coupling, Combined. M. C. Schweinert. No. 1,261,302; Apr. 2; v. 249; p. 88.
Valve-cap and spark-plug, Water-jacketed. C. E. Johnson. No. 1,253,043; Jan. 8; v. 246; p. 499.
Valve-cap and tool. Combination. W. P. McComb. No. 1,265,465; May 7; v. 250; p. 163.
Valve casing, Air-. H. F. Goetz. No. 1,285,983; Nov. 26; v. 256; p. 758.
Valve, Check-. W. R. Benjamin. No. 1,287,618; Dec. 17; v. 257; p. 418.
Valve, Check-. E. Benson. No. 1,256,648; Feb. 19; v. 247; p. 525.
Valve, Check-. J. Callicott. No. 1,279,511; Sept. 24; v. 254; p. 667.
Valve, Check-. H. A. Gould and E. C. Mossholder. No. 1,260,663; Mar. 26; v. 248; p. 888.
Valve, Check-. H. O. Jackson. No. 1,208,720; June 4; v. 251; p. 184.
Valve, Check-. P. H. Joyce. No. 1,275,697; Aug. 13; v. 253; p. 404.
Valve, Check-. E. A. Kerstein. No. 1,285,220; Nov. 19; v. 256; p. 527.
Valve, Check-. E. B. Ridgway. No. 1,260,058; Mar. 19; v. 248; p. 680.
Valve-chest, Steam. J. E. Muhlfeld and G. W. Clendon. No. 1,261,953; Apr. 9; v. 249; p. 303.
Valve-closer. M. N. Playfair. No. 1,280,293; Oct. 1; v. 255; p. 50.
Valve, Combination lock-. J. A. Stephenson and L. Wachsman. No. 1,281,689; Oct. 15; v. 255; p. 488.
Valve, Combined air and electric triple. W. G. Canion. No. 1,280,157; Oct. 1; v. 255; p. 11.
Valve, Combined air inlet and exhaust. R. C. Tharp. No. 1,259,805; Mar. 19; v. 248; p. 604.
Valve, Compressor-. C. W. Volimann. No. 1,258,167; Mar. 5; v. 248; p. 63.
Valve connection for gas-logs, Twin-. V. I. Richards. No. 1,286,108; Nov. 26; v. 256; p. 787.
Valve connection, Radiator-. C. H. Speckman. No. 1,256,069; Feb. 12; v. 247; p. 317.
Valve, Conserving-. F. H. Montreuil. No. 1,268,597; June 4; v. 251; p. 150.
Valve construction. E. and D. Bush. No. 1,265,170; May 7; v. 250; p. 82.
Valve construction. T. N. Smith. No. 1,255,806; Feb. 5; v. 247; p. 200.
Valve control. C. W. Larner. No. 1,284,197; Nov. 5; v. 256; p. 201.
Valve control. W. G. Wilson. No. 1,256,759; Feb. 19; v. 247; p. 556.
Valve control, Combination. H. G. Balthasar. No. 1,253,770; Jan. 15; v. 246; p. 740.
Valve control for Diesel engines, Relief-. G. C. Davison. No. 1,254,780; Jan. 29; v. 246; p. 1080.
Valve-control means. C. White. No. 1,264,727; Apr. 30; v. 249; p. 1156.
Valve-control mechanism. J. B. Wilson. No. 1,289,339; Dec. 31; v. 257; p. 894.
Valve, Controlling-. F. W. Slaw. No. 1,256,602; Feb. 19; v. 247; p. 512.
Valve-controlling device, Automatic. N. Nelson. No. 1,262,689; Apr. 16; v. 249; p. 537.
Valve-controlling gear for fluid-pressure engines. J. Blaylock. No. 1,258,860; Mar. 12; v. 248; p. 304.
Valve-controlling mechanism for fluids. H. W. Laun. No. 1,283,818; Nov. 5; v. 256; p. 100.
Valve, Convertible. J. H. Zobell. No. 1,254,460; Jan. 22; v. 246; p. 956.
Valve, Coupling-. H. N. Evans, Sr. No. 1,263,542; Apr. 23; v. 249; p. 798.
Valve, Cut-off. C. M. Swingle. No. 1,259,564; Mar. 19; v. 248; p. 536.

Valve, Cut-out. G. H. Taber. No. 1,265,971; May 14; v. 250; p. 333.
Valve deflator, Tire-. G. E. Blaylock. No. 1,288,815; Dec. 24; v. 257; p. 740.
Valve device, Air-. A. J. Beaton. No. 1,264,597; Apr. 30; v. 249; p. 1122.
Valve device, Brake-. B. S. Aikman. No. 1,255,844; Feb. 12; v. 247; p. 251.
Valve device for internal-combustion engines. S. G. Milligan. No. 1,260,933; Mar. 26; v. 248; p. 962.
Valve device for use in heating systems. A. G. Paul. No. 1,271,212; July 2; v. 252; p. 130.
Valve device, Retaining-. W. V. Turner. No. 1,276,999; Aug. 27; v. 253; p. 830.
Valve, Diaphragm-. H. S. Folker. No. 1,284,287; Nov. 12; v. 256; p. 252.
Valve, Double-heading. W. C. Webster. No. 1,255,253; Feb. 5; v. 247; p. 39.
Valve, Drifting-. J. W. Buckland and R. McVicar. No. 1,284,952; Nov. 12; v. 256; p. 420.
Valve, Drifting-. G. F. Wieseckel. No. 1,258,511; Mar. 5; v. 248; p. 163.
Valve, Drifting and relief. H. F. Ripken. No. 1,272,718; July 16; v. 252; p. 612.
Valve, Drifting and relief. H. F. Ripken. No. 1,280,848; Oct. 8; v. 255; p. 231.
Valve-drive device. W. Richardson, Jr. No. 1,255,229; Feb. 5; v. 247; p. 32.
Valve, Duplex. P. W. Knauf. No. 1,277,427; Sept. 3; v. 254; p. 27.
Valve, Electromagnetic. J. M. Kingsbury. No. 1,270,170; June 18; v. 251; p. 633.
Valve, Electromagnetically-operated. G. Wright. No. 1,284,021; Nov. 5; v. 256; p. 152.
Valve, Emergency gas-. G. R. Nixon. No. 1,279,898; Sept. 24; v. 254; p. 779.
Valve, Engine-. E. Bugatte. No. 1,254,976; Jan. 29; v. 246; p. 1134.
Valve, Engine-. J. T. Curtis. No. 1,273,585; July 23; v. 252; p. 874.
Valve, Engine-. W. A. H. Hoersting. No. 1,286,000; Nov. 26; v. 256; p. 762.
Valve, Engine-. M. C. and H. J. Newman. No. 1,252,155; Jan. 1; v. 246; p. 208.
Valve, Engineer's. E. J. Schanck. No. 1,253,283; Jan. 15; v. 246; p. 597.
Valve, Expansion-. J. L. Merrill. No. 1,262,823; Apr. 16; v. 249; p. 575.
Valve-facing. W. P. Stanhope. No. 1,260,248; Mar. 19; v. 248; p. 732.
Valve-facing device. F. Quinn. No. 1,264,858; Apr. 30; v. 249; p. 1191.
Valve-facing tool. F. H. Lewis. No. 1,280,774; Oct. 8; v. 255; p. 209.
Valve, Fire-check. E. E. Essen. No. 1,251,489; Jan. 1; v. 246; p. 11.
Valve, Float-. A. H. Anthony. No. 1,287,174; Dec. 10; v. 257; p. 279.
Valve, Float-. G. J. Lakios. No. 1,258,790; Mar. 12; v. 248; p. 283.
Valve, Float-. M. Schnaier. No. 1,285,570; Nov. 19; v. 256; p. 614.
Valve-float. J. Salucka. No. 1,288,688; Dec. 24; v. 257; p. 710.
Valve floor-key. A. L. Howell. No. 1,287,320; Dec. 10; v. 257; p. 315.
Valve, Fluid-flow-controlling. C. H. Schmalz. No. 1,278,760; Sept. 10; v. 254; p. 411.
Valve, Fluid-moved. G. S. Power. No. 1,264,856; Apr. 30; v. 249; p. 1190.
Valve, Fluid-pressure. G. S. Thompson. No. 1,281,712; Oct. 15; v. 255; p. 495.
Valve, Flush-. T. J. Cahill. No. 1,262,443; Apr. 9; v. 249; p. 438.
Valve, Flush-. C. V. Fite. No. 1,270,506; June 25; v. 251; p. 752.
Valve, Flush-. G. Kuntny. No. 1,269,721; June 18; v. 251; p. 512.
Valve, Flush-tank. W. A. Danielsen. No. 1,269,163; June 11; v. 251; p. 326.
Valve, Flush-tank. E. R. Hill. No. 1,257,231; Feb. 19; v. 247; p. 695.
Valve, Flush-tank. A. F. Humphrey and R. C. Michaels. No. 1,272,957; July 16; v. 252; p. 680.
Valve, Flushing-. R. A. Brooks. No. 1,273,140; July 23; v. 252; p. 755.
Valve, Flushing-. A. F. Curtin. No. 1,270,018; June 18; v. 251; p. 593.
Valve, Flushing-. P. F. De Tamble. No. 1,255,587; Feb. 5; v. 247; p. 138.
Valve, Flushing-. C. T. Miller. No. 1,251,802; Jan. 1; v. 246; p. 108.
Valve, Flushing-. B. Thoens. No. 1,265,832; May 14; v. 250; p. 293.
Valve, Flushing-. E. G. Watrous. No. 1,254,869; Jan. 29; v. 246; p. 1108.
Valve for air-compressors, &c. F. L. Miller. No. 1,280,063; Sept. 24; v. 254; p. 824.
Valve for air-compressors and the like. G. K. Davol. No. 1,254,781; Jan. 29; v. 246; p. 1081.
Valve for balloons, Gas-escape. C. F. Dutton. No. 1,289,703; Dec. 31; v. 257; p. 983.
Valve for breathing apparatus. G. E. Perry. No. 1,287,419; Dec. 10; v. 257; p. 340.
Valve for can-spouts. J. Tomsany. No. 1,261,321; Apr. 2; v. 249; p. 94.
Valve for carbureters, Air-inlet. W. L. Bubb. No. 1,285,609; Nov. 26; v. 256; p. 663.
Valve for compound engines, Operating-. C. F. Prescott and H. R. Stafford. No. 1,279,433; Sept. 17; v. 254; p. 622.
Valve for Diesel engines, Spray-. G. C. Davison. No. 1,258,096; Mar. 5; v. 248; p. 43.
Valve for engines. B. D. Stevens. No. 1,261,966; Apr. 9; v. 249; p. 306.
Valve for explosive-engines, Rotary. R. F. Barker. No. 1,251,953; Jan. 1; v. 246; p. 151.
Valve for explosive-engines, Self-grinding and equalizing. A. C. Menges. No. 1,258,353; Mar. 5; v. 248; p. 116.
Valve for fire-extinguishers. H. J. Zottel. No. 1,258,296; Mar. 5; v. 248; p. 100.
Valve for fluid-pressure brake systems, Air-. F. H. Weimer. No. 1,284,000; Nov. 5; v. 256; p. 147.
Valve for fluid-tanks and like structures. F. Rampone. No. 1,273,537; July 23; v. 252; p. 861.
Valve for flush-tanks, Automatic. G. Staats. No. 1,262,710; Apr. 16; v. 249; p. 543.
Valve for flush-tanks, Ball-cock. C. Pool. No. 1,263,699; Apr. 23; v. 249; p. 839.
Valve for flush-tanks, Siphon-. T. J. McCaffrey. No. 1,258,232; Mar. 5; v. 248; p. 82.
Valve for flushing-tanks. T. H. Quinn. No. 1,272,091; July 9; v. 252; p. 409.
Valve for force-feed lubricating systems, Terminal check-. L. Deck. No. 1,270,125; June 18; v. 251; p. 620.
Valve for fuel-feed systems, Automatic. H. M. Connor and D. D. Miles. No. 1,284,877; Nov. 12; v. 256; p. 401.
Valve for gage-cocks, Cut-out. M. E. Malm. No. 1,258,235; Mar. 5; v. 248; p. 83.
Valve for gas and other pipes, Shut-off. W. R. Addicks. No. 1,286,485; Dec. 3; v. 257; p. 75.
Valve for gas-burners. W. F. Day. No. 1,254,211; Jan. 22; v. 246; p. 885.
Valve for gas-engines, Auxiliary air-. M. Caraballo. No. 1,251,962; Jan. 1; v. 246; p. 153.
Valve for gas-engines, Rotary. R. Schmitz. No. 1,281,423; Oct. 15; v. 255; p. 420.
Valve for gas-fixtures, &c. C. A. Smith. No. 1,266,170; May 14; v. 250; p. 389.
Valve for gas-furnaces, Reversing-. S. Parish. No. 1,267,898; May 28; v. 250; p. 926.
Valve for gas-lighting systems, Electromagnetic. E. E. Bair and J. E. Stout. No. 1,268,913; June 11; v. 251; p. 257.
Valve for gas-mains, Service-tap. J. S. String. No. 1,268,511; June 4; v. 251; p. 125.
Valve for gasolene and other liquid fuels. F. Caldwell. No. 1,253,143; Jan. 8; v. 246; p. 528.
Valve for gasolene-engines, Air-. J. W. Weaver. No. 1,252,972; Jan. 8; v. 246; p. 477.
Valve for gasolene-engines, Automatic cut-off. F. T. Callon. No. 1,262,013; Apr. 9; v. 249; p. 319.
Valve for hoists, Air-. J. J. Justen. No. 1,258,342; Mar. 5; v. 248; p. 114.
Valve for hydraulic oil-delivery systems, Controlling-. F. G. Farr. No. 1,286,971; Dec. 10; v. 257; p. 226.
Valve for instantaneous water-heaters, Water-. E. Ruud and H. S. Humphrey. No. 1,257,932; Feb. 26; v. 247; p. 936.
Valve for instantaneous water-heaters, Water-. E. Ruud and H. S. Humphrey. No. 1,257,933; Feb. 26; v. 247; p. 936.
Valve for internal-combustion engines. J. I. Emery. No. 1,283,121; Oct. 29; v. 255; p. 947.
Valve for internal-combustion engines. W. Haas and T. M. Alexander. No. 1,268,835; June 11; v. 251; p. 235.
Valve for internal-combustion engines. J. T. Lindstrom. No. 1,282,602; Oct. 22; v. 255; p. 777.
Valve for internal-combustion engines. F. D. Shepherd. No. 1,258,480; Mar. 5; v. 248; p. 154.
Valve for internal-combustion engines, Auxiliary. H. E. Barnthouse. No. 1,259,070; Mar. 12; v. 248; p. 365.
Valve for internal-combustion engines, Auxiliary. G. F. Boyer. No. 1,267,369; May 28; v. 250; p. 778.
Valve for internal-combustion engines, Auxiliary air-admission. C. Parish. No. 1,265,365; May 7; v. 250; p. 136.
Valve for internal-combustion engines. Auxiliary inlet-. A. A. Crusius. No. 1,278,863; Sept. 17; v. 254; p. 468.
Valve for internal-combustion engines. Grade-controlled auxiliary air-. F. Manley. No. 1,272,285; July 9; v. 252; p. 463.
Valve for internal-combustion engines, Puppet-. F. D. Shepherd. No. 1,252,501; Jan. 8; v. 246; p. 340.
Valve for internal-combustion engines, Puppet-. F. D. Shepherd. No. 1,263,133; Apr. 16; v. 249; p. 665.
Valve for internal-combustion engines, Relief-. L. Wygodsky. No. 1,254,104; Jan. 22; v. 246; p. 854.
Valve for internal-combustion engines, Rotary. E. A. Eklund. No. 1,286,260; Dec. 3; v. 257; p. 18.
Valve for internal-combustion engines, Rotary. H. G. Field. No. 1,253,364; Jan. 15; v. 246; p. 623.

Valve for internal-combustion engines, Rotary. H. H. Gove. No. 1,251,769; Jan. 1; v. 246; p. 98.
Valve for internal-combustion engines, Rotary. H. T. Herr. No. 1,258,406; Mar. 5; v. 248; p. 133.
Valve for internal-combustion engines, Rotary. A. N. Massey. No. 1,276,242; Aug. 20; v. 253; p. 587.
Valve for internal-combustion engines, Starting and scavenging. C. C. Terry. No. 1,284,490; Nov. 12; v. 256; p. 304.
Valve for internal-combustion engines, Vapor-controlling. E. A. De Mers. No. 1,266,422; May 14; v. 250; p. 456.
Valve for internal-combustion motors, Revoluble. M. M. Hanson. No. 1,274,100; July 30; v. 252; p. 1053.
Valve for internal-combustion motors, Rotary. D. W. Jones and W. J. Mailler. No. 1,261,941; Apr. 9; v. 249; p. 300.
Valve for inverted gas-burners, Gas supply and regulating. R. Carewell. No. 1,286,937; Dec. 10; v. 257; p. 218.
Valve for laboratories and the like, Automatic discharge-. H. Cross. No. 1,287,247; Dec. 10; v. 257; p. 297.
Valve for locomotive-boilers, Check-. J. B. Gallagher. No. 1,257,076; Feb. 19; v. 247; p. 651.
Valve for locomotives, Automatic fountain-. E. N. Yeamans. No. 1,260,739; Mar. 26; v. 248; p. 910.
Valve for oil-well pumps, Stand-. G. W. Slaughter, Jr. No. 1,279,599; Sept. 24; v. 254; p. 693.
Valve for oxygen-tanks. W. F. Breidenbach. No. 1,276,715; Aug. 27; v. 253; p. 756.
Valve for percussive tools. F. M. Slater. No. 1,289,285; Dec. 31; v. 257; p. 880.
Valve for percussive tools, Exhaust-controlling. F. M. Slater. No. 1,278,237; Sept. 10; v. 254; p. 272.
Valve for pipe-lines, Cut-off. J. F. Hagan. No. 1,264,296; Apr. 30; v. 249; p. 1037.
Valve for radiators, Air-. V. Riesberg. No. 1,275,750; Aug. 13; v. 253; p. 419.
Valve for radiators, Differential check-. W. Shurtleff. No. 1,287,119; Dec. 10; v. 257; p. 265.
Valve for refrigerating apparatus, Expansion-. E. O. Olsen. No. 1,286,397; Dec. 3; v. 257; p. 52.
Valve for sawmill-carriages, Cut-off. W. W. Harman. No. 1,285,695; Nov. 26; v. 256; p. 685.
Valve for soda-fountains. E. M. Adams. No. 1,274,362; Aug. 6; v. 253; p. 3.
Valve for sprinkler systems. D. F. Kilgour. No. 1,288,918; Dec. 24; v. 257; p. 765.
Valve for stationary tubs, Outlet-. T. C. Jensen. No. 1,288,013; Dec. 17; v. 257; p. 518.
Valve for steam-engines. L. R. Baker. No. 1,286,910; Dec. 10; v. 257; p. 212.
Valve for steam-heating systems. J. D. Robertson. No. 1,287,107; Dec. 10; v. 257; p. 262.
Valve for steam-heating systems, Direct-return. W. S. Roath. No. 1,268,280; June 4; v. 251; p. 59.
Valve for steam-heating, Vapor-. E. E. Gold. No. 1,265,904; May 14; v. 250; p. 314.
Valve for steam-radiators, Automatic air-. G. D. Hoffman. No. 1,252,267; Jan. 1; v. 246; p. 238.
Valve for submarine boats. H. B. Cady. No. 1,285,931; Nov. 26; v. 256; p. 745.
Valve for syrupers, Filling-. A. R. Thompson. No. 1,288,749; Dec. 24; v. 257; p. 725.
Valve for tanks, Emergency shut-off. A. Davis, Jr., and A. L. Betts. No. 1,284,063; Nov. 5; v. 256; p. 165.
Valve for train-pipes. I. W. Gillette. No. 1,270,722; June 25; v. 251; p. 808.
Valve for two-cylinder compressors, Flap-. R. E. Bechtold. No. 1,276,478; Aug. 20; v. 253; p. 653.
Valve for use in the control of power-driven rock-drills. M. Kellow. No. 1,281,787; Oct. 15; v. 255; p. 515.
Valve for water-closets and other uses. E. E. Lochridge. No. 1,270,423; June 25; v. 251; p. 728.
Valve for water-closets, Flushing-. A. F. Curtain. No. 1,263,534; Apr. 23; v. 249; p. 795.
Valve for water-closets, Flushing-. A. F. Curtin. No. 1,283,473; Nov. 5; v. 256; p. 9.
Valve for water-closets, Flushing-. A. F. Curtin. No. 1,285,055; Nov. 19; v. 256; p. 484.
Valve for water-heaters, Regulating-. A. Beler. No. 1,265,593; May 7; v. 250; p. 196.
Valve for water-service pipes, Cut-off. H. Saxlund. No. 1,281,848; Oct. 15; v. 255; p. 533.
Valve for wind instruments. D. A. McDonald. No. 1,263,084; Apr. 16; v. 249; p. 651.
Valve, Fuel-. E. B. Blakely. No. 1,285,907; Nov. 26; v. 256; p. 739.
Valve, Fuel-tank-sealing. J. B. Tate. No. 1,271,521; July 2; v. 252; p. 214.
Valve, Gas-. J. A. Martin. No. 1,281,185; Oct. 8; v. 255; p. 321.
Valve, Gas-engine. G. D. Marvin. No. 1,261,420; Apr. 2; v. 249; p. 122.
Valve, Gas-engine. F. D. Shepherd. No. 1,261,632; Apr. 2; v. 249; p. 181.
Valve-gear. E. T. Gilliard. No. 1,284,311; Nov. 12; v. 256; p. 260.
Valve-gear. A. Harris. No. 1,252,692; Jan. 8; v. 246; p. 395.
Valve-gear. W. M. Leng. No. 1,253,503; Jan. 15; v. 246; p. 663.
Valve-gear. L. Skinner. No. 1,255,476; Feb. 5; v. 247; p. 105.
Valve-gear. L. Skinner. No. 1,270,981; July 2; v. 252; p. 65.
Valve-gear, Compensating. W. B. Gorr. No. 1,271,157; July 2; v. 252; p. 114.
Valve-gear, Compensating. L. Skinner. No. 1,270,980; July 2; v. 252; p. 65.
Valve-gear, Engine. J. D. Hood. No. 1,281,375; Oct. 15; v. 255; p. 407.
Valve-gear, Engine. H. E. A. Raabe. No. 1,264,437; Apr. 30; v. 249; p. 1077.
Valve-gear, Engine. G. H. Schilling and I. O. Neff. No. 1,266,325; May 14; v. 250; p. 431.
Valve-gear for internal-combustion engines. J. C. McIntosh. No. 1,258,583; Mar. 5; v. 248; p. 185.
Valve-gear for motors. L. A. Becht. No. 1,277,363; Sept. 3; v. 254; p. 8.
Valve-gear for reciprocating steam-engines. H. C. Gray. No. 1,261,925; Apr. 9; v. 249; p. 295.
Valve-gear of radial-cylinder internal-combustion engines. B. D. Scott. No. 1,256,833; Feb. 19; v. 247; p. 579.
Valve-gear-shifting mechanism, Pressure-operated. S. H. Lewis. No. 1,252,459; Jan. 8; v. 246; p. 328.
Valve-gear, Steam-engine. W. S. Brown. No. 1,260,313; Mar. 26; v. 248; p. 784.
Valve-gearing for internal-combustion engines. C. Dietze. No. 1,272,018; July 9; v. 252; p. 388.
Valve-gearing for internal-combustion engines, Adjustable. B. P. Remy, O. H. Day, and F. I. Remy. No. 1,260,052; Mar. 19; v. 248; p. 678.
Valve, Graduating bath-. J. J. Lawler. No. 1,280,616; Oct. 1; v. 255; p. 139.
Valve-grinder. F. O. Albertson. No. 1,282,018; Oct. 22; v. 255; p. 617.
Valve-grinder. J. H. Chewning. No. 1,283,467; Nov. 5; v. 256; p. 8.
Valve-grinder. E. Healy. No. 1,279,341; Sept. 17; v. 254; p. 598.
Valve-grinder. G. L. Latimer. No. 1,279,370; Sept. 17; v. 254; p. 607.
Valve-grinder. E. E. Reed. No. 1,268,617; June 4; v. 251; p. 156.
Valve grinding and reseating tool. W. B. Martin. No. 1,286,378; Dec. 3; v. 257; p. 48.
Valve-grinding machine. D. D. Archibald and F. L. Louandes. No. 1,276,705; Aug. 27; v. 253; p. 754.
Valve-grinding machine. T. V. Cudmore. No. 1,252,406; Jan. 8; v. 246; p. 312.
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Valve-grinding tool. G. C. Brown. No. 1,263,202; Apr. 16; v. 249; p. 683.
Valve-grinding tool. J. J. Rischard. No. 1,271,488; July 2; v. 252; p. 204.
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Valve-grinding tool, Adjustable. T. G. Loiselle and A. L. Lepage. No. 1,285,752; Nov. 26; v. 256; p. 700.
Valve, High-pressure. A. L. Calvert. No. 1,274,680; Aug. 6; v. 253; p. 97.
Valve, High-speed. J. H. H. Voss. No. 1,287,530; Dec. 10; v. 257; p. 365.
Valve, Hollow-piston water-. W. I. Cooley. No. 1,275,854; Aug. 13; v. 253; p. 448.
Valve, Hydraulic, steam, or air. N. U. Peris. No. 1,252,490; Jan. 8; v. 246; p. 338.
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Valve, Lock-. M. J. Cunningham. No. 1,275,135; Aug. 6; v. 253; p. 224.
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Valve mechanism for engines. H. Eschwei. No. 1,286,967; Dec. 10; v. 257; p. 225.
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Valve mechanism for flush-tanks, Refilling. E. P. Gaylord. No. 1,266,675; May 21; v. 250; p. 558.
Valve mechanism for internal-combustion engines. H. Johnston. No. 1,287,037; Dec. 10; v. 257; p. 243.
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Valve mechanism for internal-combustion engines. H. E. Richter. No. 1,274,080; July 30; v. 252; p. 1047.
Valve mechanism for train-stopping systems. J. F. Webb, Jr. No. 1,284,509; Nov. 12; v. 256; p. 309.
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Valve mechanism, Internal-combustion-engine. A. E. Kremer. No. 1,281,794; Oct. 15; v. 255; p. 518.
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Valve mechanism, Temperature-regulating. E. S. Halsey. No. 1,285,991; Nov. 26; v. 256; p. 760.
Valve mechanism, Thermostatic heat-regulating. E. S. Halsey. No. 1,285,990; Nov. 26; v. 256; p. 760.
Valve mechanism, Variable-cut-off. F. L. Prescott. No. 1,266,046; May 14; v. 250; p. 354.
Valve mechanism, Waste-. W. A. Speakman. No. 1,258,371; Mar. 5; v. 248; p. 122.
Valve, Mixing-. J. B. Meriam and H. W. Price. No. 1,269,482; June 11; v. 251; p. 413.
Valve-motion for explosive-engines. F. W. Merrick. No. 1,259,263; Mar. 12; v. 248; p. 417.
Valve-motion for fluid-pressure engines. W. S. Clarkson. No. 1,255,511; Feb. 5; v. 247; p. 114.
Valve-motion for internal-combustion engines. J. M. Gearing. No. 1,287,289; Dec. 10; v. 257; p. 308.
Valve-motion for internal-combustion engines. J. O'Connor. No. 1,267,893; May 28; v. 250; p. 925.
Valve-muffler cut-out. W. Kerr. No. 1,282,857; Oct. 29; v. 255; p. 875.
Valve muffler, Exhaust-. E. C. Gunnarson. No. 1,251,655; Jan. 1; v. 246; p. 64.
Valve, Non-return. G. J. Stuart. No. 1,278,250; Sept. 10; v. 254; p. 275.
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Valve of counterbalanced type. R. A. Gally. No. 1,256,466; Feb. 12; v. 247; p. 436.
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Valve-operating apparatus, Automatic. C. F. Wallace and M. F. Tiernan. No. 1,285,497; Nov. 19; v. 256; p. 596.
Valve-operating means. W. M. Goodwin. No. 1,270,941; July 2; v. 252; p. 53.
Valve-operating mechanism. J. M. Baurens, Jr. No. 1,278,423; Sept. 10; v. 254; p. 320.
Valve-operating mechanism. H. A. Huebatter. No. 1,267,337; May 21; v. 250; p. 741.
Valve-operating mechanism. A. B. McCord. No. 1,282,896; Oct. 29; v. 255; p. 886.
Valve-operating mechanism. O. M. Nacker. No. 1,254,840; Jan. 29; v. 246; p. 1099.
Valve-operating mechanism. O. M. Nacker. No. 1,265,103; May 7; v. 250; p. 66.
Valve-operating mechanism. L. V. Pence. No. 1,267,899; May 28; v. 250; p. 927.
Valve-operating mechanism. P. Pineau. No. 1,262,976; Apr. 16; v. 249; p. 618.
Valve-operating mechanism. W. Taylor. No. 1,153,109; Jan. 8; v. 246; p. 519.
Valve-operating mechanism for engines. S. Blair. No. 1,254,467; Jan. 22; v. 246; p. 958.
Valve-operating system. G. H. Curtiss. No. 1,284,250; Nov. 12; v. 256; p. 241.
Valve-operating system. L. L. Knox. No. 1,251,788; Jan. 1; v. 246; p. 104.
Valve or damper structure, Water-cooled. L. L. Knox. No. 1,256,330; Feb. 12; v. 247; p. 396.
Valve or damper, Water-cooled. L. L. Knox. No. 1,261,555; Apr. 2; v. 249; p. 160.
Valve, Oscillating engine-. E. R. McInturff. No. 1,274,300; July 30; v. 252; p. 1108.
Valve, Outside-operated tank-. W. E. Woodard. No. 1,282,351; Oct. 22; v. 255; p. 709.
Valve, Packless antidrip-. J. C. Smith. No. 1,274,949; Aug. 6; v. 253; p. 173.
Valve, Packless antidrip-. J. C. Smith. No. 1,278,048; Sept. 3; v. 254; p. 195.
Valve parts, Tool for removing. G. B. Mess. No. 1,277,454; Sept. 3; v. 254; p. 34.
Valve, Permutation-. J. R. Burkhart. No. 1,255,581; Feb. 5; v. 247; p. 136.
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Valve protector, Radiator-air-. G. Rudischhauser. No. 1,267,275; May 21; v. 250; p. 724.
Valve, Puppet-. J. H. Dickinson. No. 1,285,069; Nov. 19; v. 256; p. 488.
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Valve, Release-. O. J. Cantrelle and G. Alexander. No. 1,282,675; Oct. 22; v. 255; p. 797.
Valve, Relief-. A. Breitstein. No. 1,274,378; Aug. 6; v. 253; p. 8.
Valve, Relief-. W. J. Glenn. No. 1,272,251; July 9; v. 252; p. 453.
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Valve, Reserve-storage. A. C. Olander. No. 1,276,102; Aug. 20; v. 253; p. 549.
Valve, Retarding-. L. M. Lewis. No. 1,252,457; Jan. 8; v. 246; p. 327.
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Valve, Rotary. J. L. Alderson. No. 1,263,991; Apr. 23; v. 249; p. 920.
Valve, Rotary. F. J. and F. C. Arnould. No. 1,283,028; Oct. 29; v. 255; p. 923.
Valve, Rotary. J. Good. No. 1,254,795; Jan. 29; v. 246; p. 1084.
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Valve, Rotary. E. Tobeler. No. 1,256,395; Feb. 12; v. 247; p. 416.
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Valve, Safety-. C. Feuser. No. 1,284,079; Nov. 5; v. 256; p. 169.
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Valve, Safety or blow-off. H. A. Keiner and P. Nussbaum. No. 1,269,940; June 18; v. 251; p. 572.
Valve-seats, Tool for recutting. H. H. Christensen. No. 1,271,854; July 9; v. 252; p. 340.
Valve, Self-acting cushion and check. W. L. Osborne. No. 1,252,940; Jan. 8; v. 246; p. 466.
Valve, Self-cleaning needle-. C. G. W. Nitz. No. 1,289,234; Dec. 31; v. 257; p. 866.
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Valve, Self-closing steam-. H. D. Kelly. No. 1,282,589; Oct. 22; v. 255; p. 773.
Valve-setting gear for Diesel engines. J. W. Anderson. No. 1,265,029; May 7; v. 250; p. 44.
Valve, Slide-. A. Norgrove. No. 1,277,746; Sept. 3; v. 254; p. 115.
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Valve, Starter-. J. Desmond. No. 1,279,087; Sept. 17; v. 254; p. 530.
Valve, Steam-. C. Reeves. No. 1,271,938; July 9; v. 252; p. 364.
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Valve-stems, Dust-cap for. H. G. Butzow. No. 1,252,085; Jan. 1; v. 246; p. 189.
Valve structure for internal-combustion motors. A. Winton. No. 1,255,375; Feb. 5; v. 247; p. 76.
Valve structure for internal-combustion motors, Mixing and admission. A. Winton. No. 1,260,500; Mar. 26; v. 248; p. 839.
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Valve-testing device. R. Dixon. No. 1,289,699; Dec. 31; v. 257; p. 982.
Valve, Thermal gas-. W. C. Norton. No. 1,267,108; May 21; v. 250; p. 678.
Valve, Thermostatic. J. D. Banks. No. 1,259,589; Mar. 19; v. 248; p. 543.
Valve, Thermostatic. J. Messmer. No. 1,273,899; July 30; v. 252; p. 997.
Valve, Thermostatic. R. T. Parisen. No. 1,278,001; Sept. 3; v. 254; p. 183.
Valve, Thermostatic. R. T. Parisen. No. 1,278,002; Sept. 3; v. 254; p. 183.
Valve, Thermostatic. W. E. Roys. No. 1,262,261; Apr. 9; v. 249; p. 388.
Valve, Thermostatic fuel-. E. B. Hands. No. 1,257,602; Feb. 26; v. 247; p. 840.
Valve, Thermostatic safety-. J. N. Van Meter. No. 1,268,648; June 4; v. 251; p. 165.
Valve, Throttle-. W. F. Kiesel, Jr. No. 1,275,041; Aug. 6; v. 253; p. 199.
Valve, Throttle-. W. H. Walters. No. 1,274,112; July 30; v. 252; p. 1057.
Valve, Throttling-. E. E. Richardson. No. 1,270,327; June 25; v. 251; p. 702.
Valve, Train-pipe. E. E. Gold. No. 1,275,243; Aug. 13; v. 253; p. 279.
Valve, Triple. H. F. Bickel. No. 1,267,362; May 28; v. 250; p. 775.
Valve, Triple. W. G. Canion. No. 1,275,129; Aug. 6; v. 253; p. 222.
Valve, Union check-. F. O. Lindgren. No. 1,286,672; Dec. 3; v. 257; p. 118.
Valve, Unsiphonable mercury-. J. Mundorf. No. 1,259,122; Mar. 12; v. 248; p. 380.
Valve, Vacuum-. W. Shurtleff. No. 1,267,809; May 28; v. 250; p. 900.
Valve, Vapor-vacuum-controller. H. H. Hess. No. 1,288,887; Dec. 24; v. 257; p. 757.
Valve, Waste-. W. Bartholomew. No. 1,261,895; Apr. 9; v. 249; p. 286.
Valve, Waste-. W. Frankenberger and H. N. Gillette. No. 1,254,897; Jan. 29; v. 246; p. 1116.
Valve, Waste-. W. H. Smith. No. 1,287,126; Dec. 10; v. 257; p. 267.
Valve, Water-. T. Schock. No. 1,284,797; Nov. 12; v. 256; p. 380.
Valve, Water-gage. R. M. Viands. No. 1,284,496; Nov. 12; v. 256; p. 305.
Valve, Water-sealed. A. G. McKee. No. 1,266,509; May 14; v. 250; p. 479.
Valve, Water-supply. C. T. Miller. No. 1,275,718; Aug. 13; v. 253; p. 410.
Valve with double throw. R. A. Gally. No. 1,274,031; July 30; v. 252; p. 1034.
Valves, Actuating device for automatic flush-tank. C. T. Miller. No. 1,251,804; Jan. 1; v. 246; p. 109.
Valves and the like, Means to prevent chattering in. J. C. Beckerleg. No. 1,273,445; July 23; v. 252; p. 836.
Valves, Device for manipulating train-pipe end. E. A. Schreiber. No. 1,283,327; Oct. 29; v. 255; p. 1000.
Valves, Expansion-control device for elastic. W. Y. Stewart. No. 1,266,340; May 14; v. 250; p. 434.
Valves, Making. A. E. Schlieder. No. 1,255,469; Feb. 5; v. 247; p. 103.
Valves, Making hand-made wheels for. J. P. Wall. No. 1,287,531; Dec. 10; v. 257; p. 365.
Valves of motors, Tool for detaching puppet-. V. G. Lockwood. No. 1,268,480; June 4; v. 251; p. 117.
Valves, Operative device for train-pipe. R. H. Martin. No. 1,263,692; Apr. 23; v. 249; p. 837.
Valves or the like, Dust-cap for. W. B. Burke. No. 1,253,573; Jan. 15; v. 246; p. 683.
Valves, Refacing-tool for puppet-. F. O. Albertson. No. 1,285,573; Nov. 26; v. 256; p. 655.
Valves, Regulating means for self-closing. F. Schulder. No. 1,287,461; Dec. 10; v. 257; p. 349.
Valves, Safety attachment for. C. J. Haselwander. No. 1,266,937; May 21; v. 250; p. 630.
Valves, Setting and operating safety-. D. S. Jacobus. No. 1,281,017; Oct. 8; v. 255; p. 274.
Valves, Silencer for. M. C. Dart. No. 1,287,252; Dec. 10; v. 257; p. 299.
Valves, Tool for removing tappet-. J. A. Vansickler. No. 1,278,400; Sept. 10; v. 254; p. 315.
Valves, Unseating device for. L. D. Maxcornell. No. 1,276,391; Aug. 20; v. 253; p. 630.
Valveless apparatus comprising pistons having an alternating rectilinear motion for drawing and delivering fluids. H. Steven. No. 1,262,130; Apr. 9; v. 249; p. 351.
Vanity-case. D. I. Stealey. No. 1,286,139; Nov. 26; v. 256; p. 795.
Vapor and fume controlling system. G. A. Pennock. No. 1,254,725; Jan. 29; v. 246; p. 1063.
Vapor apparatus. W. T. Birdsall. No. 1,251,628; Jan. 1; v. 246; p. 55.
Vapor-arc rectifier. F. Conrad. No. 1,264,276; Apr. 30; v. 249; p. 1031.
Vapor-burner. E. G. Mummery. No. 1,273,173; July 23; v. 252; p. 765.
Vapor-circulating system. W. B. Fulton. No. 1,286,988; Dec. 10; v. 257; p. 232.
Vapor-converter. F. F. Beauchamp. No. 1,284,216; Nov. 12; v. 256; p. 233.
Vapor-converter cathode structure. S. W. Farnsworth. No. 1,285,966; Nov. 26; v. 256; p. 753.
Vapor-converter shielding apparatus. S. W. Farnsworth. No. 1,285,967; Nov. 26; v. 256; p. 754.
Vapor-converter shielding system. L. W. Chubb. No. 1,281,518; Oct. 15; v. 255; p. 445.
Vapor-converters, Arc-controlling means for. S. W. Farnsworth. No. 1,275,886; Aug. 13; v. 253; p. 458.
Vapor-converters, Cathode structure for. S. W. Farnsworth. No. 1,253,223; Jan. 15; v. 246; p. 580.
Vapor-converters, Shielding system for. L. W. Chubb. No. 1,272,621; July 16; v. 252; p. 584.
Vapor-converters, Shielding system for. E. F. Sipher. No. 1,272,548; July 16; v. 252; p. 562.
Vapor-generating apparatus. G. Schleusselburg. No. 1,278,390; Sept. 10; v. 254; p. 312.
Vapor generator, Dry-. A. H. B. Roberts. No. 1,282,372; Oct. 22; v. 255; p. 715.
Vapor-heating systems, Return-fitting for. T. G. Mouat. No. 1,287,729; Dec. 17; v. 257; p. 447.
Vapor of volatile liquids, Recovering the. T. D. Parr. No. 1,269,639; June 18; v. 251; p. 489.
Vapor-rectifier. Q. A. Brackett. No. 1,289,099; Dec. 31; v. 257; p. 833.
Vapor-rectifier. S. W. Farnsworth. No. 1,285,965; Nov. 26; v. 256; p. 753.
Vapor rectifier and similar apparatus, Metal-. B. Schaefer. No. 1,285,806; Nov. 26; v. 256; p. 715.
Vapor-rectifiers, Voltage-regulating system for. W. Tschudy and S. W. Farnsworth. No. 1,257,426; Feb. 26; v. 247; p. 786.
Vapors from condensers, Means for withdrawing non-condensable. R. N. Ehrhart. No. 1,284,271; Nov. 12; v. 256; p. 247.
Vapors of volatile liquids, Recovering. K. E. Barth. No. 1,264,479; Apr. 30; v. 249; p. 1089.
Vaporizer. J. I. Gardiner. No. 1,273,106; July 16; v. 252; p. 719.
Vaporizer. H. E. Manning. No. 1,259,652; Mar. 19; v. 248; p. 559.
Vaporizer. W. Petz. No. 1,275,465; Aug. 13; v. 253; p. 340.

Vaporizer. A. I. Sandbo. No. 1,251,582; Jan. 1; v. 246; p. 41.
Vaporizer. F. W. Thurston. No. 1,282,654; Oct. 22; v. 255; p. 792.
Vaporizer and heater, Electric. W. B. Lucas. No. 1,258,231; Mar. 5; v. 248; p. 81.
Vaporizer, Automatic. S. M. Langworthy. No. 1,278,946; Sept. 17; v. 254; p. 493.
Vaporizer, Electrical fuel-. W. Wheeler. No. 1,264,724; Apr. 30; v. 249; p. 1156.
Vaporizer, Wick-. P. Lucas. No. 1,268,027; May 28; v. 250; p. 962.
Vaporizing-burner. O. Wiederhold. No. 1,263,978; Apr. 23; v. 249; p. 916.
Vaporizing-manifold. A. C. Shimer. No. 1,289,942; Dec. 31; v. 257; p. 1042.
Vaporizing-plug, Automatic. W. B. Floyd. No. 1,271,304; July 2; v. 252; p. 155.
Vaporizing-tube. H. E. Rider. No. 1,269,001; June 11; v. 251; p. 281.
Variable escapement. M. E. Miller. No. 1,286,186; Nov. 26; v. 256; p. 807.
Variable-speed mechanism. J. Arnott. No. 1,267,619; May 28; v. 250; p. 848.
Variable-stroke mechanism. E. Christensen. No. 1,275,224; Aug. 13; v. 253; p. 274.
Variations in various mediums, Device for controlling. C. J. Stuart. No. 1,258,164; Mar. 5; v. 248; p. 63.
Varnish and making same. S. Satow. No. 1,280,861; Oct. 8; v. 255; p. 234.
Varnish-cap and the like. H. E. Townsend. No. 1,263,488; Apr. 23; v. 249; p. 784.
Varnish-gums, Melting. O. C. Griem. No. 1,265,326; May 7; v. 250; p. 124.
Varnish, Hardening. C. A. Cutler. No. 1,283,685; Nov. 5; v. 256; p. 65.
Varnish, Manufacture of. R. Weeber. No. 1,257,562; Feb. 26; v. 247; p. 828.
Varnish or color cup. R. L. S. Doggett. No. 1,255,990; Feb. 12; v. 247; p. 295.
Varnish, Preparing and handling phenolic-condensation-product. L. V. Redman, A. J. Weith, and F. P. Brock. No. 1,261,615; Apr. 2; v. 249; p. 176.
Varnished fabric, Producing wound strips or tape of. O. Dale. No. 1,274,144; July 30; v. 252; p. 1066.
Varnished surfaces and the like, Polish for. J. G. Briggs. No. 1,289,103; Dec. 31; v. 257; p. 834.
Varnished surfaces, Drying. G. W. Priest. No. 1,262,977; Apr. 16; v. 249; p. 618.
Vat: *See*—
Butcher's vat.
Vat color and making same. G. Kalischer. No. 1,285,727; Nov. 26; v. 256; p. 694.
Vat for accumulators, batteries, or the like. G. Bouton. No. 1,266,911; May 21; v. 250; p. 623.
Vault, Burial-. G. G. Babich. No. 1,267,495; May 28; v. 250; p. 812.
Vault, Burial-. G. H. Holcombe. No. 1,267,225; May 21; v. 250; p. 712.
Vault, Burial-. H. D. Horstman. No. 1,271,708; July 9; v. 252; p. 301.
Vault, Burial-. G. Kuehn. No. 1,274,424; Aug. 6; v. 253; p. 23.
Vault closure, Burial-. S. Allenbaugh. No. 1,269,572; June 18; v. 251; p. 469.
Vault-light. W. L. Walker. No. 1,258,066; Mar. 5; v. 248; p. 34.
Vault, Safety-. T. Blixt and E. E. Frozeth. No. 1,256,869; Feb. 19; v. 247; p. 590.
Vault, Sectional burial-. C. H. Harnell. No. 1,253,174; Jan. 8; v. 246; p. 537.
Vaults, Fastening device for the closures of burial-. C. W. Kling. No. 1,276,932; Aug. 27; v. 253; p. 812.
Vaults, Lock for the closures of burial-. F. L. Whartenby. No. 1,288,455; Dec. 17; v. 257; p. 624.
Vaults, Seal for burial-. W. De Lhorbe. No. 1,281,304; Oct. 15; v. 255; p. 385.
Vaults, Self-locking cover for grave-. R. G. Gleaves. No. 1,267,759; May 28; v. 250; p. 886.
Vegetable-boiler. I. Cerpial. No. 1,271,530; July 2; v. 252; p. 216.
Vegetable-curing plant. T. F. Ewton and F. E. Waldrop. No. 1,284,628; Nov. 12; v. 256; p. 337.
Vegetable-cutter. B. Dray. No. 1,260,164; Mar. 19; v. 248; p. 707.
Vegetable-cutter. W. F. Milbrath. No. 1,282,100; Oct. 22; v. 255; p. 640.
Vegetable-cutter. F. A. Pfeifer. No. 1,262,090; Apr. 9; v. 249; p. 339.
Vegetable-cutter. E. A. Wittenborn. No. 1,287,552; Dec. 10; v. 257; p. 371.
Vegetable cutter and slicer. O. L. Brundidge. No. 1,281,502; Oct. 15; v. 255; p. 440.
Vegetable-cutting apparatus. J. Topalian. No. 1,263,151; Apr. 16; v. 249; p. 670.
Vegetable-cutting apparatus. J. Topalian. No. 1,263,152; Apr. 16; v. 249; p. 670.
Vegetable-cutting apparatus. J. Topalian. No. 1,263,153; Apr. 16; v. 249; p. 670.
Vegetable-cutting machine. C. Hawes, G. A. Mathys, and S. N. Crawhall. No. 1,281,964; Oct. 15; v. 255; p. 563.
Vegetable fiber from yucca and the like, Preparing and extracting. A. G. Brown. No. 1,277,185; Aug. 27; v. 253; p. 881.
Vegetable gatherer and loader. R. J. Stuart. No. 1,256,390; Feb. 12; v. 247; p. 415.
Vegetable-ivory meal and making same. R. M. Chapman. No. 1,260,327; Mar. 26; v. 248; p. 788.
Vegetable proteid substances, Manufacturing. S. Satow. No. 1,275,308; Aug. 13; v. 253; p. 297.
Vegetable-washing machine. A. Pranke. No. 1,273,268; July 23; v. 252; p. 789.
Vegetables for food, Preparing immature. S. N. Lewites. No. 1,261,412; Apr. 2; v. 249; p. 120.
Vegetation, Forcing the growth of. J. Kehoe. No. 1,278,676; Sept. 10; v. 254; p. 389.
Vehicle. G. B. Ambler. No. 1,259,195; Mar. 12; v. 248; p. 400.
Vehicle. G. B. Ambler. No. 1,262,904; Apr. 16; v. 249; p. 597.
Vehicle. C. S. Beebe. No. 1,258,857; Mar. 12; v. 248; p. 303.
Vehicle. A. Benson. No. 1,259,592; Mar. 19; v. 248; p. 544.
Vehicle. G. W. Bulley. No. 1,254,979; Jan. 29; v. 246; p. 1138.
Vehicle. W. C. Burrell. No. 1,276,172; Aug. 20; v. 253; p. 568.
Vehicle-brake. A. J. Chappell. No. 1,253,668; Jan. 15; v. 246; p. 710.
Vehicle. B. Englander. No. 1,262,597; Apr. 9; v. 249; p. 482.
Vehicle. J. K. Gumpper. No. 1,283,742; Nov. 5; v. 256; p. 80.
Vehicle. C. H. Kramer. No. 1,283,214; Oct. 29; v. 255; p. 972.
Vehicle. L. Lewkowicz. No. 1,256,239; Feb. 12; v. 247; p. 370.
Vehicle. L. Lewkowicz. No. 1,288,065; Dec. 17; v. 257; p. 531.
Vehicle. E. Meis. No. 1,270,312; June 25; v. 251; p. 698.
Vehicle. H. B. Miller. No. 1,285,773; Nov. 26; v. 256; p. 706.
Vehicle. R. T. Newton. No. 1,273,087; July 16; v. 252; p. 715.
Vehicle. F. G. Norman. No. 1,261,428; Apr. 2; v. 249; p. 124.
Vehicle. W. O. Shadbolt. No. 1,287,468; Dec. 10; v. 257; p. 350.
Vehicle. C. Verploegh. No. 1,279,794; Sept. 24; v. 254; p. 749.
Vehicle alining and storing means. J. C. Bonner. No. 1,280,143; Oct. 1; v. 255; p. 7.
Vehicle and the like propelling mechanism. P. Tesluk. No. 1,281,707; Oct. 15; v. 255; p. 493.
Vehicle and the like top. M. Buch. No. 1,285,921; Nov. 26; v. 256; p. 742.
Vehicle, Armored. E. Franklin. No. 1,283,405; Oct. 29; v. 255; p. 1022.
Vehicle attachment. J. Charest. No. 1,274,990; Aug. 6; v. 253; p. 184.
Vehicle attachment. E. A. Sackerman. No. 1,266,055; May 14; v. 250; p. 356.
Vehicle attachment. J. C. Zumwalt. No. 1,290,007; Dec. 31; v. 257; p. 1057.
Vehicle attachment, Motor-. R. A. Pullar. No. 1,273,270; July 23; v. 252; p. 789.
Vehicle auxiliary spring, Road-. G. F. Voight. No. 1,260,488; Mar. 26; v. 248; p. 835.
Vehicle baby-carrier. G. P. Macgowan. No. 1,261,951; Apr. 9; v. 249; p. 302.
Vehicle-bodies, Fastening means for. J. R. Hathaway. No. 1,259,397; Mar. 12; v. 248; p. 456.
Vehicle-body. I. B. Anderson. No. 1,284,967; Nov. 19; v. 256; p. 461.
Vehicle-body. W. D. Gerow and F. O. Prusia. No. 1,280,983; Oct. 8; v. 255; p. 265.
Vehicle-body. F. Hansen. No. 1,262,485; Apr. 9; v. 249; p. 450.
Vehicle-body. F. W. Hoffman. No. 1,257,605; Feb. 26; v. 247; p. 841.
Vehicle-body. M. D. Montgomery. No. 1,272,076; July 9; v. 252; p. 405.
Vehicle-body. C. B. Mueller. No. 1,289,871; Dec. 31; v. 257; p. 1024.
Vehicle-body. D. F. Oliver. No. 1,286,741; Dec. 3; v. 257; p. 133.
Vehicle-body. L. R. Snapp. No. 1,278,513; Sept. 10; v. 254; p. 345.
Vehicle-body, Combination. J. H. Class. No. 1,278,858; Sept. 17; v. 254; p. 467.
Vehicle-body, Convertible. J. T. Hackney. No. 1,273,362; July 23; v. 252; p. 814.
Vehicle-body, Convertible. W. J. Leonard. No. 1,283,230; Oct. 29; v. 255; p. 976.
Vehicle-body, Metallic. W. D. Gerow and F. O. Prusia. No. 1,271,697; July 9; v. 252; p. 298.
Vehicle-body support. B. C. Seaton. No. 1,275,097; Aug. 6; v. 253; p. 213.
Vehicle-body-top-extension door. M. R. Hull. No. 1,284,349; Nov. 12; v. 256; p. 269.

Vehicle-box, Collapsible. F. Heath. (Reissue.) No. 14,500; Aug. 6; v. 253; p. 241.
Vehicle-brake. F. Ayler. No. 1,289,078; Dec. 31; v. 257; p. 827.
Vehicle-brake. S. L. C. Coleman. No. 1,288,517; Dec. 24; v. 257; p. 668.
Vehicle-brake. N. R. Dorohon. No. 1,282,054; Oct. 22; v. 255; p. 627.
Vehicle-brake. H. S. Morton. No. 1,278,981; Sept. 17; v. 254; p. 502.
Vehicle-brake. C. E. Potter. No. 1,281,415; Oct. 15; v. 255; p. 418.
Vehicle-brake, Automatic. J. O. Nodsle. No. 1,289,881; Dec. 31; v. 257; p. 1026.
Vehicle brake, Motor-. J. Doucette. No. 1,256,446; Feb. 12; v. 247; p. 431.
Vehicle brakes, Device for adjusting and testing motor-. P. T. Cheevers. No. 1,282,190; Oct. 22; v. 255; p. 665.
Vehicle, Camping-. A. B. Cadman. No. 1,285,930; Nov. 26; v. 256; p. 745.
Vehicle-check. C. A. MacLellan. No. 1,265,929; May 14; v. 250; p. 321.
Vehicle, Child's. H. W. Case. No. 1,258,871; Mar. 12; v. 248; p. 307.
Vehicle, Child's. A. D. Converse. No. 1,269,260; June 11; v. 251; p. 354.
Vehicle, Child's. N. Gerson. No. 1,255,595; Feb. 5; v. 247; p. 140.
Vehicle, Child's. C. E. Hams. No. 1,279,540; Sept. 24; v. 254; p. 675.
Vehicle, Child's. C. J. Knoell. No. 1,271,175; July 2; v. 252; p. 119.
Vehicle, Child's. R. N. Wilkinson. No. 1,268,310; June 4; v. 251; p. 69.
Vehicle cleaner and washer, Portable. W. W. Farnsworth. No. 1,262,316; Apr. 9; v. 249; p. 402.
Vehicle, Coasting-. H. H. Carter. No. 1,278,851; Sept. 17; v. 254; p. 465.
Vehicle collapsible top. H. G. Powell. No. 1,273,090; July 16; v. 252; p. 715.
Vehicle, Combination-. F. Longobardi. No. 1,286,679; Dec. 3; v. 257; p. 120.
Vehicle, Combined land and water. P. B. Kennedy and E. L. Morrow. No. 1,289,808; Dec. 31; v. 257; p. 1008.
Vehicle, Combined propelled and drawn. W. J. Baker. No. 1,277,358; Sept. 3; v. 254; p. 6.
Vehicle construction. A. J. Carlson. No. 1,252,320; Jan. 1; v. 246; p. 253.
Vehicle construction, Electric-. J. M. Kingsbury. No. 1,270,421; June 25; v. 251; p. 727.
Vehicle construction, Motor-. M. F. Ross. No. 1,253,729; Jan. 15; v. 246; p. 728.
Vehicle-containers, Dumping mechanism for. C. F. Randall. No. 1,251,574; Jan. 1; v. 246; p. 38.
Vehicle control, Automatic moving-. P. J. Simmen. No. 1,266,871; May 21; v. 250; p. 611.
Vehicle control mechanism, Motor-. R. Huff. No. 1,280,728; Oct. 8; v. 255; p. 198.
Vehicle control, Motor-. W. P. Seng. No. 1,274,204; July 30; v. 252; p. 1083.
Vehicle control, Motor-. W. C. Zelle. No. 1,268,910; June 11; v. 251; p. 256.
Vehicle controller, Electric-. G. W. Bulley. No. 1,277,188; Aug. 27; v. 253; p. 882.
Vehicle controller, Electric-. D. C. Cookingham and J. H. Hertner. No. 1,270,789; July 2; v. 252; p. 9.
Vehicle-controlling lever, Motor-. A. D. Cole. No. 1,259,489; Mar. 19; v. 248; p. 515.
Vehicle-controlling mechanism, Motor-. J. E. Richardson. No. 1,255,228; Feb. 5; v. 247; p. 32.
Vehicle convertible body. G. V. Carr. No. 1,257,187; Feb. 19; v. 247; p. 682.
Vehicle cornstalk-cutting attachment. G. M. Huenefeld. No. 1,287,321; Dec. 10; v. 257; p. 315.
Vehicle counter-spring. J. H. Weaver. No. 1,281,445; Oct. 15; v. 255; p. 426.
Vehicle-coupling. G. L. Bumgardner. No. 1,269,377; June 11; v. 251; p. 386.
Vehicle-coupling. R. Tinker. No. 1,285,841; Nov. 26; v. 256; p. 723.
Vehicle coupling and steering device. R. W. Lloyd. No. 1,270,179; June 18; v. 251; p. 635.
Vehicle-cover. M. Hanaway. No. 1,263,759; Apr. 23; v. 249; p. 854.
Vehicle-cover. W. A. Sampson. No. 1,257,535; Feb. 26; v. 247; p. 821.
Vehicle-cover. A. L. Sharbondy. No. 1,279,596; Sept. 24; v. 254; p. 692.
Vehicle-curtain fastener. D. M. Winans. No. 1,258,172; Mar. 5; v. 248; p. 65.
Vehicle-curtain light. O. M. Templeton. No. 1,253,907; Jan. 15; v. 246; p. 778.
Vehicle curtain, Motor-. K. F. Ranger and L. M. Spencer. No. 1,266,990; May 21; v. 250; p. 645.
Vehicle-curtain, Reinforced. E. W. Schillo. No. 1,282,469; Oct. 22; v. 255; p. 740.
Vehicle-curtain window. P. Schafer. No. 1,279,451; Sept. 17; v. 254; p. 627.
Vehicle cushion-spring. A. W. Ricks. No. 1,278,383; Sept. 10; v. 254; p. 310.
Vehicle differential lock. B. I. Avilov. No. 1,262,430; Apr. 9; v. 249; p. 435.
Vehicle-direction-indicating apparatus. R. H. Parker. No. 1,266,526; May 14; v. 250; p. 485.
Vehicle direction-indicating apparatus, Motor-. W. S. Vinson and R. N. McClure. No. 1,260,735; Mar. 26; v. 248; p. 909.
Vehicle direction-indicator. H. D. Harrod. No. 1,277,920; Sept. 3; v. 254; p. 162.
Vehicle direction-indicator. I. N. Lowenthal. No. 1,263,578; Apr. 23; v. 249; p. 807.
Vehicle direction-indicator. E. B. Lynam. No. 1,259,644; Mar. 19; v. 248; p. 557.
Vehicle direction-indicator. H. B. Perry. No. 1,260,035; Mar. 19; v. 248; p. 673.
Vehicle direction-indicator. J. Peyré. No. 1,288,669; Dec. 24; v. 257; p. 706.
Vehicle direction-indicator. A. Strunge. No. 1,282,975; Oct. 29; v. 255; p. 909.
Vehicle direction-indicator, Motor-. E. Johnson and W. E. Bybee. No. 1,252,700; Jan. 8; v. 246; p. 398.
Vehicle direction-signal. S. S. Battouney. No. 1,276,711; Aug. 27; v. 253; p. 755.
Vehicle direction-signal. J. F. O'Malley. No. 1,276,563; Aug. 20; v. 253; p. 676.
Vehicle direction-signal device. M. Drane. No. 1,262,027; Apr. 9; v. 249; p. 322.
Vehicle direction-signal, Motor-. W. D. and F. F. Stout. No. 1,270,563; June 25; v. 251; p. 768.
Vehicle direction-signaling device. E. H. Hebern. No. 1,283,756; Nov. 5; v. 256; p. 83.
Vehicle-door holder, Motor-. T. J. Kehoe. No. 1,275,700; Aug. 13; v. 253; p. 404.
Vehicle drive-gear, Cycle-. P. Andreotta. No. 1,289,597; Dec. 31; v. 257; p. 957.
Vehicle drive mechanism. C. W. Parsons. No. 1,289,531; Dec. 31; v. 257; p. 941.
Vehicle drive mechanism, Motor-. G. I. Gargett. No. 1,269,530; June 11; v. 251; p. 426.
Vehicle drive mechanism, Motor-. C. R. Norton. No. 1,270,650; June 25; v. 251; p. 791.
Vehicle drive, Motor-. W. D. Paxton. No. 1,284,759; Nov. 12; v. 256; p. 371.
Vehicle drive, Motor-. H. P. Woodworth. No. 1,269,034; June 11; v. 251; p. 290.
Vehicle driving and braking device, Combined. C. W. Kinsman. No. 1,285,736; Nov. 26; v. 256; p. 696.
Vehicle driving and steering device, Motor-. T. Spacie. (Reissue.) No. 14,472; May 14; v. 250; p. 491.
Vehicle driving and steering gear. T. W. Delaney. No. 1,269,401; June 11; v. 251; p. 392.
Vehicle driving-gear. L. Goodhart. No. 1,268,960; June 11; v. 251; p. 269.
Vehicle driving-gear, Motor-. O. A. Lundgren. No. 1,265,690. May 7; v. 250; p. 221.
Vehicle-driving mechanism. W. Luxmore. No. 1,275,952; Aug. 13; v. 253; p. 475.
Vehicle-driving mechanism. S. D. Shimer. No. 1,265,265; May 7; v. 250; p. 108.
Vehicle driving mechanism. C. H. Young. No. 1,279,818; Sept. 24; v. 254; p. 756.
Vehicle-driving mechanism, Motor-. W. E. Lamb. No. 1,282,598; Oct. 22; v. 255; p. 775.
Vehicle-driving mechanism, Motor-. W. Wilson. No. 1,274,650; Aug. 6; v. 253; p. 89.
Vehicle, Dumping-. A. P. Lee. No. 1,253,058; Jan. 8; v. 246; p. 504.
Vehicle, Dumping-. N. D. Walden. No. 1,287,147; Dec. 10; v. 257; p. 273.
Vehicle dumping-body. F. B. Raymond. No. 1,288,678; Dec. 24; v. 257; p. 708.
Vehicle dumping-hopper. A. P. Lee. No. 1,262,588; Apr. 9; v. 249; p. 480.
Vehicle. Electrically-propelled. E. H. Hewins. No. 1,279,867; Sept. 24; v. 254; p. 771.
Vehicle emergency-brake. R. E. Kreuser. No. 1,261,557; Apr. 2; v. 249; p. 161.
Vehicle end-gate. L. Wilken and J. A. Yosten. No. 1,281,460; Oct. 15; v. 255; p. 429.
Vehicle-fender. H. E. Chorebanian. No. 1,269,786; June 18; v. 251; p. 531.
Vehicle-fender. B. Kevil. No. 1,282,858; Oct. 29; v. 255; p. 876.
Vehicle-fender. J. Lorenc. No. 1,255,189; Feb. 5; v. 247; p. 22.
Vehicle foldable top. O. E. P. Franz. No. 1,269,592; June 18; v. 251; p. 475.
Vehicle folding seat, Juvenile-. J. R. Mercer. No. 1,260,235; Mar. 19; v. 248; p. 727.
Vehicle folding top. M. Buch. No. 1,287,629; Dec. 17; v. 257; p. 421.
Vehicle for garbage. E. B. Stuart. No. 1,258,377; Mar. 5; v. 248; p. 124.
Vehicle for use in high-speed locomotion. F. Laur. No. 1,288,930; Dec. 24; v. 257; p. 768.
Vehicle-frame. W. S. Harley. No. 1,263,236; Apr. 16; v. 249; p. 692.
Vehicle frame, Motor-. R. A. Palmer. No. 1,261,603; Apr. 2; v. 249; p. 173.
Vehicle-frame suspension. T. Wilson. No. 1,252,759; Jan. 8; v. 246; p. 415.

Vehicle front axle. G. W. Harper. No. 1,288,574; Dec. 24; v. 257; p. 682.
Vehicle gear-shifting mechanism, Motor-. D. J. Keller and F. A. Waters. No. 1,276,076; Aug. 20; v. 253; p. 541.
Vehicle-gearing. B. H. Anibal. No. 1,259,065; Mar. 12; v. 248; p. 363.
Vehicle gearing, Motor-. E. C. Burns. No. 1,257,311; Feb. 26; v. 247; p. 754.
Vehicle grade-indicator. D. H. Crook. No. 1,251,756; Jan. 1; v. 246; p. 95.
Vehicle-guiding apparatus. R. W. Scott and C. C. Cook. No. 1,276,422; Aug. 20; v. 253; p. 638.
Vehicle having friction transmission, Motor-. P. Woodthorpe. No. 1,281,471; Oct. 15; v. 255; p. 432.
Vehicle-holdback. L. Huibregtse. No. 1,265,783; May 14; v. 250; p. 279.
Vehicle hood, Motor-. T. J. Kehoe. No. 1,282,233; Oct. 22; v. 255; p. 677.
Vehicle-illuminating device. C. F. Gromann. No. 1,266,678; May 21; v. 250; p. 559.
Vehicle-indicator. M. J. Murphy. No. 1,289,232; Dec. 31; v. 257; p. 866.
Vehicle interchangeable wheel. J. Srakula. No. 1,274,102; July 30; v. 252; p. 1054.
Vehicle-jack. H. J. Butler, V. J. Stevens, and M. D. Walsh. No. 1,275,381; Aug. 13; v. 253; p. 318.
Vehicle-jack and rim-tool. O. L. Babcock and C. I. Lennen. No. 1,261,003; Apr. 2; v. 249; p. 4.
Vehicle jack and turn-table. T. H. Cleathero. No. 1,261,703; Apr. 2; v. 249; p. 201.
Vehicle jack, Motor-. J. W. and J. Cade. No. 1,252,395; Jan. 8; v. 246; p. 309.
Vehicle jack, Motor-. J. Grainger and W. H. Strohm. No. 1,270,407; June 25; v. 251; p. 723.
Vehicle-jack, Movable. H. M. Schrankel. No. 1,262,853; Apr. 16; v. 249; p. 584.
Vehicle, Juvenile. H. E. Moomaw. No. 1,269,107; June 11; v. 251; p. 311.
Vehicle, Juvenile. J. Weber, Jr. No. 1,277,161; Aug. 27; v. 253; p. 875.
Vehicle-lamp mounting. T. I. Duffy. No. 1,283,480; Nov. 5; v. 256; p. 12.
Vehicle-leveler. M. Haupt. No. 1,257,704; Feb. 26; v. 247; p. 870.
Vehicle-lift. A. P. Sollender. No. 1,263,954; Apr. 23; v. 249; p. 910.
Vehicle lift and stand, Combination. O. E. Benson. No. 1,253,127; Jan. 8; v. 246; p. 524.
Vehicle lifting-jack. W. F. Radke and F. Wentzlaff. No. 1,288,187; Dec. 17; v. 257; p. 561.
Vehicle lifting-jack. A. Stecker. No. 1,252,048; Jan. 1; v. 246; p. 179.
Vehicle load-weight carrying and distributing mechanism. W. H. Shutt. No. 1,286,129; Nov. 26; v. 256; p. 792.
Vehicle-loader. C. Dages and T. Daniels. No. 1,285,058; Nov. 19; v. 256; p. 485.
Vehicle loading and suspending device. W. F. Drew. No. 1,261,497; Apr. 2; v. 249; p. 142.
Vehicle loading and unloading attachment. G. T. Greer and R. A. Fontaine. No. 1,252,899; Jan. 8; v. 246; p. 453.
Vehicle loading appliance. J. F. Currivan. No. 1,288,844; Dec. 24; v. 257; p. 746.
Vehicle-lock. A. H. Lipschitz and N. Peckins. No. 1,263,444; Apr. 23; v. 249; p. 771.
Vehicle lock mechanism, Motor-. G. C. Jensen. No. 1,251,782; Jan. 1; v. 246; p. 102.
Vehicle lock, Motor-. V. R. Baker. No. 1,263,731; Apr. 23; v. 249; p. 847.
Vehicle lock, Motor-. W. M. Bell. No. 1,272,192; July 9; v. 252; p. 437.
Vehicle lock, Motor-. S. L. Morgan. No. 1,277,992; Sept. 3; v. 254; p. 181.
Vehicle lock, Motor-. A. Ozerowicz. No. 1,269,638; June 18; v. 251; p. 489.
Vehicle-lock, Pin-tumbler. O. W. Boche. No. 1,287,198; Dec. 10; v. 257; p. 286.
Vehicle locking device, Motor-. J. R. Nichols. No. 1,267,687; May 28; v. 250; p. 865.
Vehicle locking device, Motor-. S. Reiser. No. 1,260,051; Mar. 19; v. 248; p. 677.
Vehicle locking device, Motor-. S. Reiser. No. 1,271,941; July 9; v. 252; p. 364.
Vehicle, Manually-propelled. L. P. Holt and C. H. Whiting. No. 1,288,588; Dec. 24; v. 257; p. 685.
Vehicle, Manually-propelled. J. E. Rightmire. No. 1,264,559; Apr. 30; v. 249; p. 1111.
Vehicle, Manually-propelled. L. M. Tucker. No. 1,273,693; July 23; v. 252; p. 902.
Vehicle, Manually-propelled armored. J. B. Felicetti. No. 1,273,593; July 23; v. 252; p. 876.
Vehicle, Motor-. B. D. Barrow. No. 1,279,222; Sept. 17; v. 254; p. 565.
Vehicle, Motor-. T. F. Barsby. No. 1,276,709; Aug. 27; v. 253; p. 754.
Vehicle, Motor-. E. H. Belden. No. 1,268,083; June 4; v. 251; p. 4.
Vehicle, Motor-. E. H. Belden. No. 1,270,774; July 2; v. 252; p. 6.
Vehicle, Motor-. E. H. Belden. No. 1,276,014; Aug. 20; v. 253; p. 523.
Vehicle, Motor-. A. R. Blewett. No. 1,282,033; Oct. 22; v. 255; p. 621.
Vehicle, Motor-. H. D. Church. No. 1,253,670; Jan. 15; v. 246; p. 711.
Vehicle, Motor-. H. D. Church. No. 1,262,921; Apr. 16; v. 249; p. 603.
Vehicle, Motor-. H. D. Church. No. 1,275,133; Aug. 6; v. 253; p. 223.
Vehicle, Motor-. H. D. Church. No. 1,278,855; Sept. 17; v. 254; p. 466.
Vehicle, Motor-. M. De Arrigunaga. No. 1,276,335; Aug. 20; v. 253; p. 612.
Vehicle, Motor-. J. G. Dudley. No. 1,266,431; May 14; v. 250; p. 458.
Vehicle, Motor-. C. G. Ellis, Jr. No. 1,255,145; Feb. 5; v. 247; p. 9.
Vehicle, Motor-. J. B. Entz. No. 1,258,758; Mar. 12; v. 248; p. 274.
Vehicle, Motor-. J. B. Entz. No. 1,272,930; July 16; v. 252; p. 673.
Vehicle, Motor-. J. B. Ferguson. No. 1,272,648; July 16; v. 252; p. 593.
Vehicle, Motor-. R. M. Gates and V. Mayhew. No. 1,285,676; Nov. 26; v. 256; p. 681.
Vehicle, Motor-. A. N. Hamrick. No. 1,284,664; Nov. 12; v. 256; p. 346.
Vehicle, Motor-. O. and G. Henrickson. No. 1,274,164; July 30; v. 252; p. 1071.
Vehicle, Motor-. A. O. Higinbotham. No. 1,265,912; May 14; v. 250; p. 317.
Vehicle, Motor-. F. W. Hild. No. 1,256,558; Feb. 19; v. 247; p. 499.
Vehicle, Motor- O. E. Hunt. No. 1,279,699; Sept. 24; v. 254; p. 722.
Vehicle, Motor-. C. C. Lapham. No. 1,267,561; May 28; v. 250; p. 830.
Vehicle, Motor-. A. Loomis. No. 1,275,950; Aug. 13; v. 253; p. 474.
Vehicle, Motor-. A. Macauley. No. 1,267,783; May 28; v. 250; p. 892.
Vehicle, Motor-. J. W. McLaren. No. 1,275,580; Aug. 13; v. 253; p. 371.
Vehicle, Motor-. L. L. Melton. No. 1,268,261; June 4; v. 251; p. 53.
Vehicle, Motor-. L. L. Melton and H. B. Whomes. No. 1,271,053; July 2; v. 252; p. 85.
Vehicle, Motor-. A. E. Mueller. No. 1,276,250; Aug. 20; v. 253; p. 589.
Vehicle, Motor-. H. B. Ross. No. 1,271,946; July 9; v. 252; p. 366.
Vehicle, Motor-. E. Salsbury. No. 1,273,412; July 23; v. 252; p. 827.
Vehicle, Motor-. E. G. Schleicher. No. 1,266,999; May 21; v. 250; p. 648.
Vehicle, Motor-. A. A. Scott. No. 1,263,943; Apr. 23; v. 249; p. 907.
Vehicle, Motor-. J. G. Vincent. (Reissue.) No. 14,441; Mar. 5; v. 248; p. 205.
Vehicle, Motor-. R. H. White. No. 1,268,411; June 4; v. 251; p. 97.
Vehicle, Motor-. M. J. Yoder. No. 1,272,757; July 16; v. 252; p. 623.
Vehicle-motor cut-out. B. G. Stickney. No. 1,285,829; Nov. 26; v. 256; p. 720.
Vehicle, Motor-driven. O. C. Houghton. No. 1,270,826; July 2; v. 252; p. 20.
Vehicle, Passenger-. G. W. McCauslin. No. 1,267,242; May 21; v. 250; p. 716.
Vehicle, Passenger-. A. F. Paul and A. J. Tanner. No. 1,265,367; May 7; v. 250; p. 136.
Vehicle pneumatic support. W. G. Wood. No. 1,284,530; Nov. 12; v. 256; p. 313.
Vehicle power plants, Support for motor-. A. C. Mason and A. T. Sturt. No. 1,285,767; Nov. 26; v. 256; p. 704.
Vehicle propulsion. W. J. Rostern. No. 1,286,420; Dec. 3; v. 257; p. 58.
Vehicle-protecting device. L. Weber. No. 1,283,382; Oct. 29; v. 255; p. 1017.
Vehicle-rear-end signal. G. Rusias. No. 1,267,277; May 21; v. 250; p. 724.
Vehicle recording implements, Driving-gear for. A. F. Wallbillich. No. 1,278,531; Sept. 10; v. 254; p. 350.
Vehicle regulator, Draft-. G. W. Bulley. No. 1,267,742; May 28; v. 250; p. 881.
Vehicle removable seat. J. Ledwinka. No. 1,251,976; Jan. 1; v. 246; p. 157.
Vehicle-repair stand. O. C. George. No. 1,254,794; Jan. 29; v. 246; p. 1084.
Vehicle resilient wheel. J. L. Kunz. No. 1,254,705; Jan. 29; v. 246; p. 1056.
Vehicle robe-holder. C. G. Lamberton. No. 1,285,250; Nov. 19; v. 256; p. 533.
Vehicle roller-jack. A. C. Hopkins. No. 1,280,472; Oct. 1; v. 255; p. 99.
Vehicle roller-jack. A. C. Hopkins. No. 1,280,474; Oct. 1; v. 255; p. 99.
Vehicle roller-jack. A. C. Hopkins. No. 1,280,475; Oct. 1; v. 255; p. 100.
Vehicle roller-jack. A. C. Hopkins. No. 1,280,476; Oct. 1; v. 255; p. 100.
Vehicle-routes, Adjustable guide-board for. W. H. Burr. No. 1,285,925; Nov. 26; v. 256; p. 743.

Vehicle, Rowing-. G. J. Gruenberg. No. 1,252,430; Jan. 8; v. 246; p. 319.
Vehicle-runner. A. W. Sjostrom. No. 1,253,738; Jan. 15; v. 246; p. 731.
Vehicle runner attachment. J. F. Zilk. No. 1,289,348; Dec. 31; v. 257; p. 895.
Vehicle running-gear. W. E. and H. L. Bock. No. 1,272,765; July 16; v. 252; p. 625.
Vehicle running-gear. E. A. Outcalt. No. 1,287,408; Dec. 10; v. 257; p. 337.
Vehicle running-gear. H. Scofield and E. N. Dawson. No. 1,267,467; May 28; v. 250; p. 804.
Vehicle-running-gear brace. J. M. Eadie. No. 1,272,025; July 9; v. 252; p. 390.
Vehicle running-gear, Motor-. F. E. Farnsworth. No. 1,271,298; July 2; v. 252; p. 154.
Vehicle safety-signal. W. N. Best. (Reissue.) No. 14,505; Aug. 20; v. 253; p. 714.
Vehicle safety-signal. K. Z. Kiefer. No. 1,263,902; Apr. 23; v. 249; p. 896.
Vehicle sand apparatus. L. G. Wilcox. No. 1,283,004; Oct. 29; v. 255; p. 917.
Vehicle-seat. G. C. Jackman. No. 1,261,396; Apr. 2; v. 249; p. 115.
Vehicle-seat. J. E. Rilling. No. 1,263.703; Apr. 23; v. 249; p. 840.
Vehicle-seat. C. M. Webb. No. 1,280,599; Oct. 1; v. 255; p. 135.
Vehicle seat, Motor-. F. B. Vogel. No. 1,285,483; Nov. 19; v. 256; p. 593.
Vehicle, Sectional load-shifting delivery-. G. F. Pittman. No. 1,288,175; Dec. 17; v. 257; p. 559.
Vehicle selective direction-indicator. P. W. Vanderhoff. No. 1,283,370; Oct. 29; v. 255; p. 1013.
Vehicle, Self-propelled. R. H. Beach. No. 1,275,201; Aug. 13; v. 253; p. 268.
Vehicle, Self-propelled. S. Hatashita. No. 1,286,615; Dec. 3; v. 257; p. 105.
Vehicle, Self-propelled. J. Landon and F. W. Martyn. No. 1,266,495; May 14; v. 250; p. 475.
Vehicle, Self-propelled. W. H. MacKay. No. 1,251,903; Jan. 1; v. 246; p. 137.
Vehicle-shield. H. G. Godley. No. 1,266,934; May 21; v. 250 p. 630.
Vehicle-shipping bracket. R. E. Fey. No. 1,261,113; Apr. 2; v. 249; p. 35.
Vehicle side bearing, Railway and the like. L. Janse. No. 1,257,358; Feb. 26; v. 247; p. 767.
Vehicle-signal. C. H. Beardsley. No. 1,254,113; Jan. 22; v. 246; p. 857.
Vehicle-signal. F. J. Benitoa. No. 1,281,755; Oct. 15; v. 255; p. 507.
Vehicle-signal. M. Blasius. No. 1,263,195; Apr. 16; v. 249; p. 681.
Vehicle-signal. J. J. Carr. No. 1,255,856; Feb. 12; v. 247; p. 255.
Vehicle-signal. A. L. Eliel. No. 1,266,004; May 14; v. 250; p. 342.
Vehicle-signal. H. C. Fairchild. No. 1,267,751; May 28; v. 250; p. 883.
Vehicle-signal. H. Fryman. No. 1,265,317; May 7; v. 250; p. 122.
Vehicle-signal. H. M. Fuller and G. A. Sewell. No. 1,287,281; Dec. 10; v. 257; p. 306.
Vehicle-signal. H. J. Hogan. No. 1,253,689; Jan. 15; v. 246; p. 717.
Vehicle-signal. F. Kern. No. 1,279,550; Sept. 24; v. 254; p. 678.
Vehicle-signal. W. Kosiba. No. 1,283,805; Nov. 5; v. 256; p. 95.
Vehicle-signal. J. Meile. No. 1,268,749; June 4; v. 251; p. 191.
Vehicle-signal. F. J. Penitoa. No. 1,273,990; July 30; v. 252; p. 1023.
Vehicle-signal. F. G. Rantzau. No. 1,283,300; Oct. 29; v. 255; p. 993.
Vehicle-signal. H. Rohrdantz. No. 1,273,672; July 23; v. 252; p. 898.
Vehicle-signal. N. Sato. No. 1,256,264; Feb. 12; v. 247; p. 377.
Vehicle-signal. J. C. Udell. No. 1,283,983; Nov. 5; v. 256; p. 143.
Vehicle-signal. F. M. Wood. No. 1,269,241; June 11; v. 251; p. 349.
Vehicle-signal-actuating device, Motor-. C. Nevin. No. 1,264,544; Apr. 30; v. 249; p. 1107.
Vehicle signal apparatus, Motor-. F. S. Riggs. No. 1,279,159; Sept. 17; v. 254; p. 548.
Vehicle signal device. M. Drane. No. 1,279,093; Sept. 17; v. 254; p. 531.
Vehicle signal device. G. Dries. No. 1,257,330; Feb. 26; v. 247; p. 760.
Vehicle-signal device. P. Pebelier. No. 1,266,043; May 14; v. 250; p. 352.
Vehicle-signal device. D. T. Pitkethly and H. L. Baier. No. 1,280,831; Oct. 8; v. 255; p. 226.
Vehicle signal device, Motor-. O. H. Hunt. No. 1,279,114; Sept. 17; v. 254; p. 536.
Vehicle signal, Motor-. F. F. Paradis. No. 1,273,657; July 23; v. 252; p. 894.
Vehicle signaling device. C. O. Kuehne. No. 1,283,809; Nov. 5; v. 256; p. 96.
Vehicle signaling device, Motor-. L. A. Bean. No. 1,255,976; Feb. 12; v. 247; p. 291.
Vehicle signaling device, Motor-. F. H. Hesselbein. No. 1,257,863; Feb. 26; v. 247; p. 917.
Vehicle signaling system, Motor-. M. A. Miller. No. 1,278,492; Sept. 10; v. 254; p. 338.
Vehicle-signaling device, Motor-. B. A. Sebring. No. 1,268,287; June 4; v. 251; p. 62.
Vehicle speed-arrester. S. F. Tuteur. No. 1,265,404; May 7; v. 250; p. 146.
Vehicle speed-controlling apparatus, Railway-. L. V. Lewis. (Reissue.) No. 14,481; June 11; v. 251; p. 437.
Vehicle-spring. H. P. Arndt. No. 1,276,309; Aug. 20; v. 253; p. 605.
Vehicle-spring. G. G. Blandford. No. 1,264,148; Apr. 30; v. 249; p. 995.
Vehicle-spring. E. J. Brewster. No. 1,287,858; Dec. 17; v. 257; p. 479.
Vehicle-spring. E. P. Currey. No. 1,265,622; May 7; v. 250; p. 204.
Vehicle-spring. A. J. Dilley. No. 1,276,696; Aug. 20; v. 253; p. 712.
Vehicle-spring. L. E. Fagan. No. 1,280,432; Oct. 1; v. 255; p. 88.
Vehicle-spring. J. M. E. Franc. No. 1,273,761; July 23; v. 252; p. 920.
Vehicle-spring. J. Fredrickson. No. 1,265,072; May 7; v. 250; p. 56.
Vehicle-spring. O. French. No. 1,287,665; Dec. 17; v. 257; p. 431.
Vehicle-spring. A. Hallner. No. 1,252,690; Jan. 8; v. 246; p. 395.
Vehicle-spring. O. C. Harrell. No. 1,284,892; Nov. 12; v. 256; p. 405.
Vehicle-spring. L. Johnson. No. 1,286,016; Nov. 26; v. 256; p. 766.
Vehicle-spring. L. D. Jones. No. 1,270,953; July 2; v. 252; p. 57.
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Vehicles, Front-wheel drive for motor-. B. J. Collins. No. 1,257,676; Feb. 26; v. 247; p. 861.
Vehicles, Fuel-controlling device for motor-. J. D. Smith. No. 1,273,283; July 23; v. 252; p. 792.
Vehicles, Gear-case mounting for motor-. H. M. Leonard. No. 1,254,708; Jan. 29; v. 246; p. 1057.
Vehicles, Gear-shifting mechanism for motor-. J. C. Backus. No. 1,258,521; Mar. 5; v. 248; p. 167.
Vehicles, Guard device for motor-. C. F. Dengler and J. L. Ricketts. No. 1,278,119; Sept. 10; v. 254; p. 240.
Vehicles, Guard for drivers' seats for. J. Aizeman. No. 1,273,800; July 30; v. 252; p. 969.
Vehicles, Hitch for. L. A. Pazandak. No. 1,277,638; Sept. 3; v. 254; p. 85.
Vehicles, In-motion recorder for road-. H. Hollingdrake. No. 1,282,693; Oct. 22; v. 255; p. 802.
Vehicles, Indicating means for motor-propelled. H. H. Boyce. No. 1,275,654; Aug. 13; v. 253; p. 392.
Vehicles, Lateral-propulsion means for motor-. H. A. Shelton. No. 1,278,040; Sept. 3; v. 254; p. 193.
Vehicles, Locking device and alarm for motor-. S. G. McDaniel. No. 1,287,058; Dec. 10; v. 257; p. 249.
Vehicles, Locking steering mechanism for motor-. G. E. Graham. No. 1,289,158; Dec. 31; v. 257; p. 847.
Vehicles, Lug for power-plant supports for motor-. A. Gerosa. No. 1,263,879; Apr. 23; v. 249; p. 888.
Vehicles, Luggage-carrier for motor-. M., L., and L. Alveson. No. 1,280,362; Oct. 1; v. 255; p. 69.
Vehicles, Magnetic sanding device for motor-. E. V. McCulloch. No. 1,257,265; Feb. 19; v. 247; p. 706.

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Vehicles, Means for connecting and steering a series of self-propelled. T. H. Jacob. No. 1,261,237; Apr. 2; v. 249; p. 68.
Vehicles, Method and apparatus for storing and transporting. J. M. Daly. No. 1,282,765; Oct. 29; v. 255; p. 849.
Vehicles, Method and apparatus for transporting. J. M. Daly. No. 1,282,764; Oct. 29; v. 255; p. 848.
Vehicles, Motor attachment for. C. M. Long. No. 1,288,068; Dec. 17; v. 257; p. 532.
Vehicles, Moving device for stalled motor-. E. W. Clark. No. 1,280,401; Oct. 1; v. 255; p. 80.
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Vehicles, Pneumatic running-gear for. T. J. Mullen and T. F. Brennan. No. 1,258,355; Mar. 5; v. 248; p. 117.
Vehicles, Power-transmission attachment for motor-. L. W. Frane. No. 1,277,897; Sept. 3; v. 254; p. 156.
Vehicles, Power-transmitting attachment for motor-. L. C. Broecker and J. E. Nelson. No. 1,263,199; Apr. 16; v. 249; p. 682.
Vehicles, Propeller drive mechanism for motor-. L. V. Pence. No. 1,277,112; Aug. 27; v. 253; p. 861.
Vehicles, Ramp or inclined runway for. V. G. Diaz. No. 1,262,930; Apr. 16; v. 249; p. 606.
Vehicles, Recording instrument for. W. E. Kemp. No. 1,255,758; Feb. 5; v. 247; p. 187.
Vehicles, Rim-demounting wheel for motor-. E. K. Baker. No. 1,282,362; Oct. 22; v. 255; p. 712.
Vehicles, Road-equalizer for. E. L. Schultz. No. 1,285,416; Nov. 19; v. 256; p. 576.
Vehicles, Runner attachment for motor-. G. Tollefson. No. 1,275,797; Aug. 13; v. 253; p. 433.
Vehicles, Safety alarm device for motor-. F. Leslie. No. 1,257,259; Feb. 19; v. 247; p. 704.
Vehicles, Safety brake apparatus for. A. J. Kloneck. No. 1,275,702; Aug. 13; v. 253; p. 405.
Vehicles, Safety cranking device for motor-. J. P. Carson. No. 1,268,543; June 4; v. 251; p. 134.
Vehicles, Safety device for the starting-cranks of motor-. H. O. Barton. No. 1,267,497; May 28; v. 250; p. 812.
Vehicles, Semaphore-signal for. S. D. Hope, Sr. No. 1,289,464; Dec. 31; v. 257; p. 925.
Vehicles, Sled attachment and propeller for motor-. H. N. Hansen. No. 1,273,777; July 23; v. 252; p. 924.
Vehicles, Sled-runner for wheeled. F. W. Jantzen. No. 1,286,330; Dec. 3; v. 257; p. 36.
Vehicles, Sparking means for motor-. A. L. Riker. No. 1,264,560; Apr. 30; v. 249; p. 1111.
Vehicles, Speed-controlled gas cut-off for motor-. J. H. Core. No. 1,284,604; Nov. 12; v. 256; p. 331.
Vehicles, Spring suspension for road-. M. P. J. Van Geert. No. 1,281,233; Oct. 8; v. 255; p. 335.
Vehicles, Springless or floating suspension for. G. Bravi. No. 1,259,351; Mar. 12; v. 248; p. 443.
Vehicles, Starting-crank safety device for motor-. L. C. Sharp. No. 1,288,708; Dec. 24; v. 257; p. 715.
Vehicles, Supplemental drive-wheel for motor-. E. C. Small. No. 1,273,684; July 23; v. 252; p. 900.
Vehicles, Supplemental traction attachment for. A. V. Winegarden. No. 1,252,871; Jan. 8; v. 246; p. 445.
Vehicles, Support for gasolene-tanks in motor-. I. M. Jacobs and W. Cramer. No. 1,273,614; July 23; v. 252; p. 882.
Vehicles, Sweeper attachment for motor-. A. Lapedes. No. 1,268,585; June 4; v. 251; p. 146.
Vehicles, Switch-operating device for motor-. J. N. McFarland and F. W. Letsch. No. 1,273,514; July 23; v. 252; p. 855.
Vehicles, Telescoping reach-pole for. M. M. Evans. No. 1,277,890; Sept. 3; v. 254; p. 154.
Vehicles, Towing device for. A. A. Loyer. No. 1,286,367; Dec. 3; v. 257; p. 45.
Vehicles, Traction attachment for motor-. S. O. Edmonds. No. 1,266,781; May 21; v. 250; p. 588.
Vehicles, Traction-mat for motor-. E. F. Bishop. No. 1,261,898; Apr. 9; v. 249; p. 287.
Vehicles, Trailer for motor-. O. C. Houghton. No. 1,278,931; Sept. 17; v. 254; p. 488.
Vehicles, Transmission and control for motor-. J. B. Entz. No. 1,276,045; Aug. 20; v. 253; p. 533.
Vehicles, Transmission-gear for motor-. L. Biava. No. 1,287,194; Dec. 10; v. 257; p. 284.
Vehicles, Turning-signal for. G. Sagara. No. 1,288,211; Dec. 17; v. 257; p. 567.
Vehicles, Universal drive for. O. O. Hootman. No. 1,284,342; Nov. 12; v. 256; p. 267.
Veil. A. P. Coolbroth. No. 1,256,204; Feb. 12; v. 247; p. 360.
Veil. A. P. Coolbroth. No. 1, 256,205; Feb. 12; v. 247; p. 360.
Veil, B. M. Strachan. No. 1,263,958; Apr. 23; v. 249; p. 911.
Veil. Z. Van Raalte. No. 1,261,073; Apr. 2; v. 249; p. 23.
Velocipede. J. Blanchard. No. 1,268,918; June 11; v. 251; p. 259.
Velocipede. J. A. Bried. No. 1,258,391; Mar. 5; v. 248; p. 128.
Velocipede. W. Colon. No. 1,286,539; Dec. 3; v. 257; p. 87.
Velocipede. M. P. Herres. No. 1,266,464; May 14; v. 250; p. 467.
Velocipede. M. Kester. No. 1,270,169; June 18; v. 251; p. 633.
Velocipede and go-cart, Combined. A. Benson. No. 1,288,809; Dec. 24; v. 257; p. 738.
Velocipede, go-cart, and sled, Combined. J. Hudry. No. 1,274,045; July 30; v. 252; p. 1038.
Velocipede-horse. A. T. Goldfield. No. 1,272,796; July 16; v. 252; p. 634.
Velocipedes, bicycles, &c., Pedal for. R. G. Ledig. No. 1,254,610; Jan. 22; v. 246; p. 999.
Velocipedes, Combined variable-speed gear and brake mechanism for. W. E. Harrison. No. 1,277,070; Aug. 27; v. 253; p. 849.
Velocity-pressure and calculating gage. W. S. Darley. No. 1,276,732; Aug. 27; v. 253; p. 761.
√Vender, Automatic gasolene and oil. G. Artus. No. 1,255,812; Feb. 5; v. 247; p. 202.
√Vending and affixing machine, Stamp. G. L. Reichhelm. No. 1,274,448; Aug. 6; v. 253; p. 30.
√Vending-cabinet for collapsible drinking-cups or the like. W. E. Swift. No. 1,259,927; Mar. 19; v. 248; p. 641.
Vending-machine. S. C. Barr. No. 1,282,727; Oct. 29; v. 255; p. 838.
Vending-machine. E. V. Bean. No. 1,272,894; July 16; v. 252; p. 663.
Vending-machine. C. H. Berns. No. 1,284,045; Nov. 5; v. 256; p. 159.
Vending-machine. C. A. Blank. No. 1,267,965; May 28; v. 250; p. 944.
Vending-machine. W. B. Burget. No. 1,268,212; June 4; v. 251; p. 40.
Vending-machine. D. K. Campbell. No. 1,263,033; Apr. 16; v. 249; p. 634.
Vending-machine. E. A. Copeland. No. 1,280,669; Oct. 8; v. 255; p. 180.
Vending-machine. H. J. Davis. No. 1,280,417; Oct. 1; v. 255; p. 84.
Vending-machine. T. W. De Mott. No. 1,268,331; June 4; v. 251; p. 74.
Vending-machine. F. A. Dulac. No. 1,287,263; Dec. 10; v. 257; p. 302.
Vending-machine. I. Gonick. No. 1,280,441; Oct. 1; v. 255; p. 91.
Vending-machine. A. D. Grover. No. 1,287,002; Dec. 10; v. 257; p. 235.
Vending-machine. A. D. Grover and E. E. Barber. No. 1,260,372; Mar. 26; v. 248; p. 802.
Vending-machine. A. D. Grover and E. E. Barber. No. 1,287,294; Dec. 10; v. 257; p. 309.
Vending-machine. H. Hartman. No. 1,275,153; Aug. 6; v. 253; p. 229.
Vending-machine. G. L. Huff. No. 1,276,923; Aug. 27; v. 253; p. 809.
Vending-machine. A. Jacobs. No. 1,252,121; Jan. 1; v. 246. p. 199.
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Vending-machine. J. H. Mann, Jr. No. 1,278,186; Sept. 10; v. 254; p. 257.
Vending-machine. W. Mears. No. 1,287,726; Dec. 17; v. 257; p. 447.
Vending-machine. A. U. Mershon. No. 1,257,909; Feb. 26; v. 247; p. 930.
Vending-machine. R. Moore. No. 1,266,037; May 14; v. 250; p. 351.
Vending-machine. R. W. Perrin. No. 1,269,502; June 11; v. 251; p. 419.
Vending-machine. J. J. Rathgeb, Jr. No. 1,272,096; July 9; v. 252; p. 411.
Vending-machine. W. I. Ravert. No. 1,260,578; Mar. 26; v. 248; p. 862.
Vending-machine. F. G. Schenkel. No. 1,266,998; May 21; v. 250; p. 648.
Vending-machine. R. H. Smith. No. 1,256,181; Feb. 12; v. 247; p. 353.
Vending-machine. J. C. Steiner. No. 1,256,071; Feb. 12; v. 247; p. 318.
Vending-machine. L. C. Tarasch. No. 1,254,085; Jan. 22; v. 246; p. 849.
Vending-machine. L. C. Tarasch. No. 1,265,831; May 14; v. 250; p. 293.
Vending-machine. R. E. Tatro. No. 1,275,325; Aug. 13; v. 253; p. 301.
Vending-machine. S. Tenner. No. 1,287,514; Dec. 10; v. 257; p. 361.
Vending-machine. V. Thompson. No. 1,256,844; Feb. 19; v. 247; p. 582.
Vending-machine. S. B. Tily, M. O. and J. G. Rehfuss. No. 1,283,429; Oct. 29; v. 255; p. 1028.
Vending-machine. J. T. Wilmore. No. 1,273,437; July 23; v. 252; p. 834.
Vending-machine, Automatic. I. T. Wolfe. No. 1,267,730; May 28; v. 250; p. 877.
Vending-machine, Coin-controlled. A. Abbott. No. 1,273,116; July 23; v. 252; p. 749.
Vending-machine, Coin-controlled. E. E. Barber and A. D. Grover. No. 1,278,826; Sept. 17; v. 254; p. 459.
Vending-machine, Coin-controlled. A. D. Grover. No. 1,254,040; Jan. 22; v. 246; p. 836.

Vending-machine, Coin-controlled. A. D. Grover. No. 1,258,765; Mar. 12; v. 248; p. 276.
Vending-machine, Coin-controlled. A. D. Grover. No. 1,268,564; June 4; v. 251; p. 140.
Vending-machine, Coin-controlled. A. D. Grover. No. 1,278,913; Sept. 17; v. 254; p. 483.
Vending-machine, Coin-controlled. J. Paupa and G. F. Hochriem. No. 1,275,731; Aug. 13; v. 253; p. 414.
Vending-machine, Coin-controlled. J. Paupa and G. F. Hochriem. No. 1,277,470; Sept. 3; v. 254; p. 38.
Vending-machine, Coin-controlled. J. Stiriss. No. 1,273,013; July 16; v. 252; p. 695.
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Vending-machine-feeding mechanism. E. H. Kelley. No. 1,265,788; May 14; v. 250; p. 281.
Vending machine, Fluid-. J. M. Chandler. No. 1,260,871; Mar. 26; v. 248; p. 945.
Vending-machine for liquids and fluids. T. Peters and A. F. Sondermann. No. 1,279,581; Sept. 24; v. 254; p. 687.
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Vending machine, Newspaper-. J. Levine. No. 1,274,724; Aug. 6; v. 253; p. 110.
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Vending machine, Perfume-. H. L. Needham. No. 1,271,204; July 2; v. 252; p. 128.
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Vending-machines, Coin-stacking device for. R. T. Hosking. No. 1,260,382; Mar. 26; v. 248; p. 805.
Vending-machines, Full-stroke mechanism for. W. I. Ravert. No. 1,280,299; Oct. 1; v. 255; p. 52.
Vending-machines, Holding device for the coin-lock and vending mechanism of coin-controlled. W. I. Ravert. No. 1,260,579; Mar. 26; v. 248; p. 863.
Veneer block. G. D. Flanders. No. 1,276,894; Aug. 27; v. 253; p. 801.
Veneer-corrugating machine. A. W. De Vos and C. M. Dering. No. 1,276,187; Aug. 20; v. 253; p. 573.
Veneer or paper packaging machine. H. N. McEwen and W. J. Anthony. No. 1,289,497; Dec. 31; v. 257; p. 933.
Veneer package. F. G. Peck. No. 1,254,430; Jan. 22; v. 246; p. 947.
Veneer strips, Machine for setting the edge joints of. P. Reckow. No. 1,279,587; Sept. 24; v. 254; p. 689.
Vent-box. W. W. Bythiner and F. Montague. No. 1,286,935; Dec. 10; v. 257; p. 218.
Ventilating and cooling apparatus. J. A. Williams. No. 1,270,352; June 25; v. 251; p. 709.
Ventilating and fire-extinguishing system, House-. A. B. Hamil, A. O. Vensel, and F. S. Bergstrom. No. 1,264,066; Apr. 23; v. 249; p. 939.
Ventilating and refrigerating method and apparatus. C. W. Miles. No. 1,252,472; Jan. 8; v. 246; p. 332.
Ventilating apparatus. W. Bell. No. 1,264,361; Apr. 30; v. 249; p. 1054.
Ventilating apparatus. J. A. Kuyser. No. 1,268,020; May 28; v. 250; p. 960.
Ventilating apparatus. P. Wagner. No. 1,273,788; July 23; v. 252; p. 927.
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Ventilating-closure for window-openings and the like. C. A. Fox. No. 1,268,228; June 4; v. 251; p. 45.
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Ventilating device. C. P. Lyle. No. 1,263,912; Apr. 23; v. 249; p. 899.
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Ventilating mine-workings and the like, Means for. S. Nettleton. No. 1,274,438; Aug. 6; v. 253; p. 27.
Ventilating search-light casings, Method of and apparatus for. H. Beck. No. 1,281,754; Oct. 15; v. 255; p. 506.
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Ventilating system for stables and other buildings. G. H. Akerlund. No. 1,263,833; Apr. 23; v. 249; p. 875.
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Bin-ventilator. Work-shop ventilator.
Footwear-ventilator.
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Vessel, Wooden tank. W. A. Ebsen. No. 1,276,042; Aug. 20; v. 253; p. 531.
Vessels against torpedo attacks, Means for protecting. W. Stevenson. No. 1,282,486; Oct. 22; v. 255; p. 745.
Vessels, Anti-water-adhesion equipment for. J. Elniff. No. 1,254,892; Jan. 29; v. 246; p. 1115.
Vessels, Apparatus for raising sunken. W. C. Beckwith. No. 1,268,082; June 4; v. 251; p. 4.
Vessels, Apparatus for raising sunken. C. Christie. No. 1,274,004; July 30; v. 252; p. 1026.
Vessels, Apparatus for raising sunken. A. J. Gustafson. No. 1,281,949; Oct. 15; v. 255; p. 559.
Vessels, Apparatus for raising sunken. J. H. McPartland. No. 1,259,762; Mar. 19; v. 248; p. 592.
Vessels, Apparatus for raising sunken. V. V. Messer. No. 1,288,107; Dec. 17; v. 257; p. 542.
Vessels, Automatic guide-light for. J. H. Hammond, Jr. No. 1,274,265; July 30; v. 252; p. 1100.
Vessels, Bail-ear for. R. P. White. No. 1,285,860; Nov. 26; v. 256; p. 728.
Vessels, barges, and the like, Conveyer for unloading. W. J. McGovern. No. 1,283,838; Nov. 5; v. 256; p. 106.
Vessels below the water-line, Device for closing openings in the hulls of. C. S. Henslee. No. 1,260,978; Mar. 26; v. 248; p. 974.
Vessels, Binnacle for marine. P. C. Kauffman. No. 1,258,014; Mar. 5; v. 248; p. 19.
Vessels, Combined closure and delivery-controlling mechanism for deformable. H. O. Berg. No. 1,283,050; Oct. 29; v. 255; p. 929.
Vessels, Current-deflector for marine. A. W. Furness. No. 1,258,554; Mar. 5; v. 248; p. 177.
Vessels, Device for locating and raising sunken. C. G. Cheney. No. 1,269,523; June 11; v. 251; p. 424.
Vessels, Device for raising sunken. V. V. Messer. No. 1,288,108; Dec. 17; v. 257; p. 543.
Vessels, Device for raising sunken. E. H. Pettit. No. 1,256,365; Feb. 12; v. 247; p. 407.
Vessels, Fin for. H. A. Jenkins. No. 1,271,036; July 2; v. 252; p. 81.
Vessels from sinking, Means for preventing. E. Sova. No. 1,283,345; Oct. 29; v. 255; p. 1005.
Vessels, Hull construction for. K. Hirota. No. 1,289,760; Dec. 31; v. 257; p. 996.
Vessels, Indicator for sunken. L. J. Dumaine. No. 1,287,580; Dec. 10; v. 257; p. 378.
Vessels, Launching apparatus for steam or sailing. J. Weismantel. No. 1,270,903; July 2; v. 252; p. 42.
Vessels, Machine for liquid-proofing. H. C. Ayerst. No. 1,252,315; Jan. 1; v. 246; p. 252.
Vessels, Means for indicating the position of self-propelled. J. B. Barrett. No. 1,252,877; Jan. 8; v. 246; p. 447.
Vessels, Means for locating sunken. J. A. Putnam. No. 1,270,209; June 18; v. 251; p. 643.
Vessels, Means for making elastic. J. L. Fitts. No. 1,271,455; July 2; v. 252; p. 195.
Vessels, Means for raising sunken. R. De Arazoza. No. 1,274,230; July 30; v. 252; p. 1091.
Vessels, Protector for. E. F. Turner. No. 1,277,506; Sept. 3; v. 254; p. 48.
Vessels, Steering mechanism for. F. V. Medynski. No. 1,288,106; Dec. 17; v. 257; p. 542.
Vessels unsinkable, Device for rendering. P. Alger. No. 1,280,937; Oct. 8; v. 255; p. 253.
Vessels which are constructed of concrete, &c., Device for molding and launching. J. and A. McNamara. No. 1,278,963; Sept. 17; v. 254; p. 497.
Vibrating mechanism, Ribbon-. O. Thieme. No. 1,256,077; Feb. 12; v. 247; p. 320.
Vibration-damping device. M. Tibbetts. No. 1,273,952; July 30; v. 252; p. 1013.
Vibrator. G. P. Elmen and G. Sharpnack. No. 1,269,803; June 18; v. 251; p. 536.
Vibrator. A. E. Hartwell. No. 1,259,396; Mar. 12; v. 248; p. 456.
Vibrator. O. M. Leich. No. 1,286,034; Nov. 26; v. 256; p. 770.
Vibrator. H. E. Shreeve. No. 1,284,480; Nov. 12; v. 256; p. 301.
Vibrator-bodies, Making. G. B. Pickop. No. 1,268,487; June 4; v. 251; p. 119.
Vibrator, Electric. W. C. Brinton, Jr. No. 1,254,880; Jan. 29; v. 246; p. 1112.
Vibrator, Fluid-actuated. C. P. Wilson. No. 1,267,833; May 28; v. 250; p. 909.
Vibrators, Holding device for. P. Giglio. No. 1,269,421; June 11; v. 251; p. 397.
Vibratory actuator. E. H. Messiter. No. 1,251,681; Jan. 1; v. 246; p. 72.
Vibratory converter. O. M. Leich. No. 1,288,935; Dec. 24; v. 257; p. 769.
Vignetter. A. G. B. Vera. No. 1,282,331; Oct. 22; v. 255; p. 704.
Vine-cutter. L. Beeghley. No. 1,269,042; June 11; v. 251; p. 293.
Vine-cutter. F. J. and C. T. Bossert. No. 1,265,296; May 7; v. 250; p. 116.
Vine-cutter. C. T. McCready. No. 1,252,914; Jan. 8; v. 246; p. 458.
Vinegar-making. E. Klein. No. 1,272,276; July 9; v. 252; p. 460.
Vinegar-making apparatus. E. Klein. No. 1,272,277; July 9, v. 252; p. 460.
Violin. C. Martin. No. 1,278,707; Sept. 10; v. 254; p. 398.
Violin. R. L. Yeakey. No. 1,275,351; Aug. 13; v. 253; p. 309.
Violin. W. F. Young. No. 1,289,590; Dec. 31; v. 257; p. 955.
Violin chin-rest. A. G. Pinfold. No. 1,288,172; Dec. 17; v. 257; p. 558.
Violin hand-support. R. Handel. No. 1,271,460; July 2; v. 252; p. 196.
Violin, mandolin, and other stringed musical instrument. W. C. Clopton. No. 1,272,011; July 9; v. 252; p. 386.
Violin-piano. J. L. Warner. No. 1,265,147; May 7; v. 250; p. 77.
Violin-player, Automatic. L. M. Lawton. No. 1,266,028; May 14; v. 250; p. 348.
Violin-players, Motor mechanism for. H. K. Sandell. No. 1,262,266; Apr. 9; v. 249; p. 389.
Violin-support. S. A. Nelson. No. 1,275,291; Aug. 13; v. 253; p. 292.
Violinist's practice device. K. A. Becker. No. 1,275,202; Aug. 13; v. 253; p. 268.
Viscose, Production of articles free from. B. Borzykowski. No. 1,260,508; Mar. 26; v. 248; p. 842.
Viscosimeter. R. F. MacMichael. No. 1,281,042; Oct. 8; v. 255; p. 281.
Vise. C. A. Blakely. No. 1,273,319; July 23; v. 252; p. 801.
Vise. T. J. Crawford. No. 1,269,262; June 11; v. 251; p. 355.
Vise. T. J. Fegley and G. O. Leopold. No. 1,268,559; June 4; v. 251; p. 139.
Vise. T. J. Fegley and G. O. Leopold. No. 1,269,271; June 11; v. 251; p. 357.
Vise. C. M. Herbert. No. 1,285,997; Nov. 26; v. 256; p. 761.
Vise. J. O. Holen. No. 1,262,795; Apr. 16; v. 249; p. 568.
Vise. S. Hughes. No. 1,283,192; Oct. 29; v. 255; p. 966.
Vise. C. G. Kaelin. No. 1,288,612; Dec. 24; v. 257; p. 691.
Vise. E. J. Lane. No. 1,289,205; Dec. 31; v. 257; p. 859.
Vise. F. C. Sanford. No. 1,279,011; Sept. 17; v. 254; p. 510.
Vise. J. S. Stull. No. 1,285,834; Nov. 26; v. 256; p. 722.
Vise. J. Sutherland. No. 1,262,405; Apr. 9; v. 249; p. 428.
Vise. A. B. Tozer. No. 1,257,152; Feb. 19; v. 247; p. 672.
Vise and carpenter's tool, Universal. H. M. Minnis. No. 1,287,112; Dec. 17; v. 257; p. 543.
Vise and cutter, Combination. F. H. Scott. No. 1,279,022; Sept. 17; v. 254; p. 513.
Vise and drill, Combination. C. E. Shields. No. 1,266,724; May 21; v. 250; p. 571.
Vise, Automatic. J. H. Garand. No. 1,286,580; Dec. 3; v. 257; p. 97.
Vise, Automatic pipe-. J. W. Duffy. No. 1,261,723; Apr. 2; v. 249; p. 206.
Vise, Bench-. I. A. M. Larsson. No. 1,277,324; Aug. 27; v. 253; p. 915.
Vise, Bench-. J. R. Long. No. 1,265,218; May 7; v. 250; p. 96.
Vise, Can-. A. C. C. Kaiser. No. 1,259,750; Mar. 19; v. 248; p. 588.
Vise-clamp. W. T. Plowhead. No. 1,288,178; Dec. 17; v. 257; p. 559.
Vise, Clamping-. L. Bethke. No. 1,271,009; July 2; v. 252; p. 73.
Vise, Combined hand and bench. J. O. Reynolds. No. 1,262,389; Apr. 9; v. 249; p. 424.
Vise, Combined pipe-flanging and bench. J. Gapp. No. 1,257,475; Feb. 26; v. 247; p. 801.
Vise, Hand-. F. Paglieri. No. 1,272,991; July 16; v. 252; p. 690.
Vise, Harness-. F. A. Rahfeldt. No. 1,253,725; Jan. 15; v. 246; p. 727.
Vise-holder and rod or pipe bending attachment, Combined. E. R. Soleau. No. 1,286,134; Nov. 26; v. 256; p. 794.
Vise or clamp. H. Southon. No. 1,257,755; Feb. 26; v. 247; p. 885.
Vise, Quick-action bench-. P. Broadbooks. No. 1,281,499; Oct. 15; v. 255; p. 439.
Vise, Shoe-. C. Jaeckel. No. 1,276,068; Aug. 20; v. 253; p. 539.
Vises, Attachment for. H. G. Weatherill. No. 1,275,336; Aug. 13; v. 253; p. 305.
Visual acuity, Apparatus for and method of testing. H. E. Ives. No. 1,270,830; July 2; v. 252; p. 21.
Vitascope. T. Armat. No. 1,259,066; Mar. 12; v. 248; p. 364.
Vivigraph record and process. E. S. Hopkins, Jr. No. 1,286,637; Dec. 3; v. 257; p. 111.
Vivigraphic film and process. E. S. Hopkins, Jr. No. 1,286,638; Dec. 3; v. 257; p. 111.
Volatile constituents, Separating. E. O. Barstow and T. Griswold, Jr. No. 1,261,005; Apr. 2; v. 249; p. 4.

Volatile products from solid carbonaceous material, Separation of. W. W. White. No. 1,257,772; Feb. 26; v. 247; p. 889.
Volatilizer. F. C. Dorment. No. 1,271,866; July 9; v. 252; p. 343.
Volatilizer, Pocket-. F. C. Dorment. No. 1,264,621; Apr. 30; v. 249; p. 1128.
Voltage or current of an alternating-current system to electroresponsive or magnetically-operated devices, Device for transmitting fluctuations in the. G. J. Van Swaay and H. I. Keus. No. 1,275,631; Aug. 13; v. 253; p. 386.
Voltage-regulator. C. H. Kicklighter. No. 1,252,451; Jan. 8; v. 246; p. 325.
Voltage-regulator contact-arm. J. D. Nies. No. 1,285,786; Nov. 26; v. 256; p. 709.
Voltages, Protection against excessive. H. Engel. No. 1,266,434; May 14; v. 250; p. 459.
Voltaic cell. M. E. Conrad. No. 1,262,019; Apr. 9; v. 249; p. 320.
Voltaic cell. M. E. Conrad. No. 1,202,020; Apr. 9; v. 249; p. 320.
Voltmeter. F. A. Laws and C. L. Dawes. No. 1,260,982; Mar. 26; v. 248; p. 975.
Voltmeter, Contact-making. F. H. Winter. No. 1,267,156; May 21; v. 250; p. 693.
Voting machine, Assembly-. F. L. and J. W. Dyer. No. 1,283,703; Nov. 5; v. 256; p. 70.
Voting-machine, Electrically-controlled. B. L. Bobroff. No. 1,267,504; May 28; v. 250; p. 814.
Voting-machine, Lock mechanism for. S. Loe. No. 1,280,503; Oct. 1; v. 255; p. 108.
Vulcanization of india-rubber and other similar substances, H. Olivier. No. 1,256,496; Feb. 12; v. 247; p. 445.
Vulcanizer. N. M. Anderson. No. 1,266,901; May 21; v. 250; p. 620.
Vulcanizer. J. E. Bancroft. No. 1,283,038; Oct. 29; v. 255; p. 926.
Vulcanizer. C. B. Drake. No. 1,255,588; Feb. 5; v. 247; p. 138.
Vulcanizer. A. Fay. No. 1,257,594; Feb. 26; v. 247; p. 838.
Vulcanizer. A. Fay. No. 1,285,088; Nov. 19; v. 256; p. 493.
Vulcanizer. J. C. Heintz and G. Ruf. No. 1,262,598; Apr. 9; v. 249; p. 483.
Vulcanizer. M. P. Janisch. No. 1,280,230; Oct. 1; v. 255; p. 32.
Vulcanizer. F. W. Kremer. No. 1,284,112; Nov. 5; v. 256; p. 179.
Vulcanizer. J. C. Lauritzen. No. 1,256,704; Feb. 19; v. 247; p. 542.
Vulcanizer. J. Michel. No. 1,271,055; July 2; v. 252; p. 86.
Vulcanizer. J. Pollak. No. 1,288,181; Dec. 17; v. 257; p. 560.
Vulcanizer. J. H. Reeder. No. 1,264,974; May 7; v. 250; p. 28.
Vulcanizer. L. Risk. No. 1,260,580; Mar. 26; v. 248; p. 863.
Vulcanizer. J. F. Schneider. No. 1,277,265; Aug. 27; v. 253; p. 900.
Vulcanizer circulation system. W. T. Aldrich. No. 1,288,464; Dec. 24; v. 257; p. 654.
Vulcanizer, Pneumatic-tube. R. Hagen. No. 1,252,106; Jan. 1; v. 246; p. 195.
Vulcanizer, Portable. B. I. Malouf. No. 1,269,629; June 18; v. 251; p. 486.
Vulcanizer, Portable. O. Staley. No. 1,254,166; Jan. 22; v. 246; p. 872.
Vulcanizer, Repair-. R. P. Espinosa. No. 1,280,003; Sept. 24; v. 254; p. 808.
Vulcanizers, Flask-closing apparatus for. G. B. Snow. No. 1,254,942; Jan. 29; v. 246; p. 1128.
Vulcanizing. C. E. Andrews. No. 1,280,940; Oct. 8; v. 255; p. 254.
Vulcanizing and molding articles made of rubber and the like. L. J. D. Healy and A. A. Frank. No. 1,272,040; July 9; v. 252; p. 395.
Vulcanizing apparatus. H. J. Doughty. No. 1,260,990; Mar. 26; v. 248; p. 977.
Vulcanizing apparatus. W. C. Merrill. No. 1,287,071; Dec. 10; v. 257; p. 252.
Vulcanizing-pan, Ventilated. A. B. Low. No. 1,265,462; May 7; v. 250; p. 162.
Vulcanizing-patch-holding device. W. E. Nye. No. 1,283,275; Oct. 29; v. 255; p. 987.
Vulcanizing plant, Steam. J. H. and F. D. Smith. No. 1,256,385; Feb. 12; v. 247; p. 414.
Vulcanizing-press. P. and B. De Mattia. No. 1,287,256; Dec. 10; v. 257; p. 353.
Vulcanizing-tube, Soft-base. J. D. Tew. No. 1,270,345; June 25; v. 251; p. 707.
Wad-cutter. J. Huszur. No. 1,260,264; Mar. 19; v. 248; p. 736.
Wafer cutter, Filled-. E. E. Lawrence. No. 1,260,555; Mar. 26; v. 248; p. 855.
Wage-paying machine. A. Von Barth. No. 1,256,957; Feb. 19; v. 247; p. 617.
Wagon. O. Carmichael. No. 1,272,330; July 9; v. 252; p. 476.
Wagon. C. Christianson. No. 1,279,839; Sept. 24; v. 254; p. 762.
Wagon. W. A. Dromgoole. No. 1,282,551; Oct. 22; v. 255; p. 763.
Wagon. H. C. Nickey. No. 1,273,906; July 30; v. 252; p. 999.
Wagon. J. Ohbrogge. No. 1,252,714; Jan. 8; v. 246; p. 402.
Wagon. S. G. and B. C. Petterson. No. 1,273,405; July 23; v. 252; p. 826.
Wagon. E. W. Reid. No. 1,283,898; Nov. 5; v. 256; p. 122.
Wagon. A. Smith. No. 1,253,897; Jan. 15; v. 246; p. 776.
Wagon and buggy tap extension. A. F. Bosworth. No. 1,266,392; May 14; v. 250; p. 448.
Wagon attachment. H. Conn. No. 1,262,309; Apr. 9; v. 249; p. 400.
Wagon-bed and hay-frame, Combination. W. T. Howe. No. 1,273,226; July 23; v. 252; p. 778.
Wagon-bed, Convertible. G. W. and C. E. Goss. No. 1,266,582; May 21; v. 250; p. 530.
Wagon-bed, Sectional. W. H. Bryant. No. 1,255,290; Feb. 5; v. 247; p. 50.
Wagon-beds, Gravel-bottom for. W. H. Wiltshire. No. 1,270,085; June 18; v. 251; p. 610.
Wagon-bodies and the like, Device for removing and replacing. H. O. Moser. No. 1,272,500; July 16; v. 252; p. 549.
Wagon-body. F. H. Williams. No. 1,269,667; June 18; v. 251; p. 497.
Wagon-body, Convertible. A. Tarpy. No. 1,258,500; Mar. 5; v. 248; p. 160.
Wagon body, Dump-. W. L. Goodwin and A. Holman. No. 1,276,345; Aug. 20; v. 253; p. 616.
Wagon-body lining. C. R. Sachs. No. 1,259,138; Mar. 12; v. 248; p. 385.
Wagon-brake. D. W. Autry. No. 1,278,564; Sept. 10; v. 254; p. 358.
Wagon-brake-actuating means. G. H. Hammond. No. 1,288,876; Dec. 24; v. 257; p. 754.
Wagon, Camping-. E. W. Reid. No. 1,280,840; Oct. 8; v. 255; p. 228.
Wagon, Camping-. E. W. Reid. No. 1,280,841; Oct. 8; v. 255; p. 229.
Wagon, Camping-. E. W. Reid. No. 1,285,794; Nov. 26; v. 256; p. 711.
Wagon, Dump-. M. Burris. No. 1,255,383; Feb. 5; v. 247; p. 78.
Wagon, Dump-. T. C. and C. P. Harvey. No. 1,263,760; Apr. 23; v. 249; p. 853.
Wagon, Dump-. E. A. Moore. No. 1,268,598; June 4; v. 251; p. 151.
Wagon, Dump-. W. J. Newman. No. 1,262,238; Apr. 9; v. 249; p. 381.
Wagon, Dump-. E. Paulsen. No. 1,270,863; July 2; v. 252; p. 31.
Wagon, Dumping-. O. D. Anderson. No. 1,272,596; July 16; v. 252; p. 576.
Wagon, Dumping-. W. Barber. No. 1,262,159; Apr. 9; v. 249; p. 360.
Wagon, Dumping-. W. H. O'Beirne. No. 1,261,955; Apr. 9; v. 249; p. 303.
Wagon, Dumping-. H. S. Palm. No. 1,264,431; Apr. 30; v. 249; p. 1075.
Wagon, Dumping-. L. Rodenhausen. No. 1,289,548; Dec. 31; v. 257; p. 945.
Wagon end-gate. G. A. Pratt. No. 1,280,543; Oct. 1; v. 255; p. 119.
Wagon-end-gate-fastening device. M. M. Kellogg. No. 1,280,491; Oct. 1; v. 255; p. 105.
Wagon for collecting and conveying ashes. J. Ruzicka and F. Kubovy. No. 1,251,181; Jan. 1; v. 246; p. 215.
Wagon, Hay-. L. Levens. No. 1,265,096; May 7; v. 250; p. 63.
Wagon hay-frame. R. L. Arthur. No. 1,262,001; Apr. 9; v. 249; p. 316.
Wagon-jack. L. J. Robbins. No. 1,289,268; Dec. 31; v. 257; p. 876.
Wagon-rack. W. A. Hunt. No. 1,285,193; Nov. 19; v. 256; p. 520.
Wagon-rack. A. D. Long. No. 1,268,982; June 11; v. 251; p. 276.
Wagon-rack. W. Upthegrove. No. 1,251,597; Jan. 1; v. 246; p. 46.
Wagon-rack bracket. F. E. Anderson. No. 1,267,162; May 21; v. 250; p. 695.
Wagon-racks, Underframing for. H. Peter. No. 1,260,245; Mar. 19; v. 248; p. 730.
Wagon-seat. P. S. Baeder. No. 1,284,040; Nov. 5; v. 256; p. 158.
Wagon-seat connection. W. H. Allen. No. 1,275,825; Aug. 13; v. 253; p. 440.
Wagon-skid. W. H. Stoltze. No. 1,261,967; Apr. 9; v. 249; p. 307.
Wagon-spring. M. Hanson. No. 1,278,919; Sept. 17; v. 254; p. 485.
Wagon-spring. F. J. Vrbas. No. 1,253,651; Jan. 15; v. 246; p. 705.
Wagon-stake. A. F. Kühnen. No. 1,266,692; May 21; v. 250; p. 563.

Wagon-stake. H. F. Miller. No. 1,253,412; Jan. 15; v. 246; p. 639.
Wagon-stanchion. A. Bartels. No. 1,251,463; Jan. 1; v. 246; p. 4.
Wagon-trains, Steering mechanism for. W. A. Underhill and C. C. Avery. No. 1,274,109; July 30; v. 252; p. 1056.
Wagons, Construction of. H. Coanda. No. 1,276,621; Aug. 20; v. 253; p. 693.
Wagons, Coupling or shackle for colliery and like. J. L. Thomas. No. 1,273,689; July 23; v. 252; p. 901.
Wagons or the like, Body-elevating mechanism for dumping-. H. S. Palm. No. 1,264,432; Apr. 30; v. 249; p. 1075.
Wagons, Sled-runner attachment for. J. J. Saehr. No. 1,287,452; Dec. 10; v. 257; p. 347.
Wagons, Standard-holder for. G. W. Fix. No. 1,259,503; Mar. 19; v. 248; p. 519.
Waist. B. Schultz. No. 1,289,009; Dec. 24; v. 257; p. 787.
Waist, Breast-. G. A. Haderlein. No. 1,272,427; July 16; v. 252; p. 529.
Waist, Overall-. J. S. Elliott. No. 1,272,928; July 16; v. 252; p. 672.
Waistband. M. L. Heller. No. 1,272,439; July 16; v. 252; p. 533.
Walking-machine. C. F. Wilson. No. 1,267,033; May 21; v. 250; p. 658.
Walking-stick and garment-rack, Combined. M. Rosenwasser. No. 1,270,973; July 2; v. 252; p. 63.
Walking upon the surface of the water, Device for. M. Jelalian. No. 1,264,523; Apr. 30; v. 249; p. 1100.
Wall and floor panel. J. K. Joice. No. 1,277,319; Aug. 27; v. 253; p. 914.
Wall-board. B. W. Sidwell. No. 1,285,433; Nov. 19; v. 256; p. 581.
Wall-board support. A. J. Widmer. No. 1,277,513; Sept. 3; v. 254; p. 50.
Wall-burner. M. J. Green. No. 1,252,687; Jan. 8; v. 246; p. 394.
Wall cleaning and sizing apparatus. A. Blumenthal. No. 1,255,695; Feb. 5; v. 247; p. 168.
Wall concrete anchor. H. Ruinello. No. 1,267,276; May 21; v. 250; p. 724.
Wall construction. P. Doern. No. 1,271,447; July 2; v. 252; p. 193.
Wall construction. P. Kosack. No. 1,262,212; Apr. 9; v. 249; p. 374.
Wall construction. H. B. Post. No. 1,284,445; Nov. 12; v. 256; p. 293.
Wall construction. F. M. Sawyer. No. 1,280,864; Oct. 8; v. 255; p. 234.
Wall construction. W. Woodin. No. 1,264,468; Apr. 30; v 249; p. 1086.
Wall-construction form. E. A. Stanley. No. 1,272,139; July 9; v. 252; p. 423.
Wall construction, Masonry. G. A. Leonard. No. 1,254,417; Jan. 22; v. 246; p. 944.
Wall-coping. J. C. Mueller. No. 1,270,541; June 25; v. 251; p. 762.
Wall element. S. D. Baker. No. 1,255,975; Feb. 12; v. 247; p. 290.
Wall for buildings. C. C. Cornelius. No. 1,270,381; June 25; v. 251; p. 716.
Wall-light. H. Widstrand. No. 1,276,467; Aug. 20; v. 253; p. 651.
Wall of caissons, Apparatus and method for building a continuous. L. L. Brown. No. 1,255,702; Feb. 5; v. 247; p. 170.
Wall-papering machine. N. B. Chartier. No. 1,257,315; Feb. 26; v. 247; p. 756.
Wall-rack, Combination. J. E. Kellar. No. 1,254,508; Jan. 22; v. 246; p. 970.
Wall-receptacle. S. D. Baker. No. 1,267,353; May 28; v. 250; p. 773.
Wall-screen, Portable. W. Unger and H. F. Maier. No. 1,280,337; Oct. 1; v. 255; p. 62.
Wall sprinkler-head. C. W. Mowry. No. 1,288,122; Dec. 17; v. 257; p. 546.
Wall-stud. R. A. Megenity. No. 1,285,768; Nov. 26; v. 256; p. 704.
Wall-switch. C. Forth. No. 1,256,546; Feb. 19; v. 247; p. 495.
Wall-tie. C. B. Cutler. No. 1,280,173; Oct. 1; v. 255; p. 15.
Wall tie, Retaining-. D. B. Luten. No. 1,278,364; Sept. 10; v. 254; p. 306.
Wall, Tiled. L. H. Wheeler. No. 1,262,890; Apr. 16; v. 249; p. 593.
Walls, Core-mold for hollow. R. T. Wales. No. 1,272,736; July 16; v. 252; p. 617.
Walls, Making corrugated. W. M. Fulton. No. 1,270,402; June 25; v. 251; p. 722.
Walls, Method of and apparatus for making veneered cellular concrete. C. O. Ellert. No. 1,280,427; Oct. 1; v. 255; p. 87.
Wallet or case for dollar-bills, passports, or the like. F. C. Aslin. No. 1,269,247; June 11; v. 251; p. 351.
War-machine. P. M. Bulatovich. No. 1,273,028; July 16; v. 252; p. 699.
Warfare, Engine of. A. J. Paré. No. 1,265,496; May 7; v. 250; p. 171.
Wardrobe. F. N. Bardwell. No. 1,260,854; Mar. 26; v. 248; p. 941.
Wardrobe and blackboard, Class-room sanitary. F. B. Miller. No. 1,268,038; May 28; v. 250; p. 965.
Wardrobe attachment. J. C. Phillips. No. 1,289,897; Dec. 31; v. 257; p. 1030.
Wardrobe-hanger device. G. H. Wheary. No. 1,262,605; Apr. 9; v. 249; p. 485.
Ware drier and factory. A. B. Klay. No. 1,256,237; Feb. 12; v. 247; p. 370.
Warming or keeping warm liquids and foodstuffs, Means for. D. M. Kupihea. No. 1,259,527; Mar. 19; v. 248; p. 525.
Warp-humidifying appliance. J. Taylor. No. 1,267,822; May 28; v. 250; p. 905.
Warp-leasing machine. E. F. Hathaway and C. Lea. No. 1,289,749; Dec. 31; v. 257; p. 993.
Warp-leasing machine. C. D. Lanning. No. 1,267,090; May 21; v. 250; p. 673.
Warp-let-off control. J. P. Costello. No. 1,275,534; Aug. 13; v. 253; p. 358.
Warp stop-motion. J. Regan. No. 1,265,112; May 7; v. 250; p. 68.
Warp stop-motion. O. W. Richardson. No. 1,268,152; June 4; v. 251; p. 23.
Warp stop-motion. E. H. Ryon. No. 1,268,159; June 4; v. 251; p. 26.
Warp-thread-holding device. C. D. Lanning. No. 1,267,089; May 21; v. 250; p. 673.
Warp-thread-selecting device. M. F. Field. No. 1,282,059; Oct. 22; v. 255; p. 628.
Warp-threads in the preparation of the warp for looms for weaving, Apparatus for selecting and separating. R. Moore. No. 1,259,546; Mar. 19; v. 248; p. 531.
Warper leasing-indicating means. F. Wood. No. 1,266,369; May 14; v. 250; p. 442.
Warping and beaming machine. G. Sipp. No. 1,262,858; Apr. 16; v. 249; p. 585.
Warping-beam. E. L. Besse. No. 1,265,292; May 7; v. 250; p. 116.
Warping-machine. A. E. Rhoades. No. 1,254,936; Jan. 29; v. 246; p. 1126.
Warping-machine. A. Saulnier. No. 1,254,541; Jan. 22; v. 246; p. 980.
Warping-machine, Direct. A. Formon. No. 1,252,419; Jan. 8; v. 246; p. 316.
Warping-machine reed. F. Suter. No. 1,289,015; Dec. 24; v. 257; p. 788.
Wash-machine, Electric. W. J. Conlon. No. 1,254,638; Jan. 22; v. 246; p. 1007.
Washbasin-bracket. H. Leyh. No. 1,268,256; June 4; v. 251; p. 52.
Washbench. J. S. Fiala. No. 1,289,719; Dec. 31; v. 257; p. 986.
Washboard. J. Brommer. No. 1,266,395; May 14; v. 250; p. 448.
Washboard. G. Cline and A. Horton. No. 1,272,776; July 16; v. 252; p. 628.
Washboard. O. E. Drake. No. 1,279,092; Sept. 17; v. 254; p. 531.
Washboard. H. J. Gilbert. No. 1,283,148; Oct. 29; v. 255; p. 954.
Washboard. M. Marty. No. 1,269,480; June 11; v. 251; p. 413.
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Washboard. H. A. Ross. No. 1,279,761; Sept. 24; v. 254; p. 739.
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Washboard, Foldable. M. T. Meagher. No. 1,257,626; Feb. 26; v. 247; p. 847.
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Washboard-holder. M. C. Frank. No. 1,287,948; Dec. 17; v. 257; p. 502.
Washboard, Self-soaping. O. E. McQueen. No. 1,267,245; May 21; v. 250; p. 717.
Washboiler. I. Cerpial. No. 1,259,361; Mar. 12; v. 248; p. 446.
Washboiler. G. H. Lemke. No. 1,277,611; Sept. 3; v. 254; p. 77.
Washboiler. J. W. McFarland. No. 1,271,189; July 2; v. 252; p. 124.
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Washer: *See*—
Bottle-washer.
Clothes-washer.
Dish-washer.
Gas-washer.
Lock-washer.
Ore-washer.
Photograph-washer.
Photographic-print washer
Print-washer.
Smoke-washer.
Vehicle-washer.
Well-washer.
Window-washer.
Washer. C. B. Hale. No. 1,279,686; Sept. 24; v. 254; p. 718.
Washer. W. F. Schacht. No. 1,266,324; May 14; v. 250; p. 430.
Washer and string attaching machine. A. Novisk. No. 1,255,558; Feb. 5; v. 247; p. 129.
Washer, Sectional. C. S. Osborn. No. 1,288,973; Dec. 24; v. 257; p. 778.

Washers, Apparatus for and method of making. J. W. Ohlman. No. 1,288,971; Dec. 24; v. 257; p. 777.
Washers for joints, Making. G. D. Rose. No. 1,267,805; May 28; v. 250; p. 899.
Washhanger. B. Turynowicz. No. 1,278,261; Sept. 10; v. 254; p. 278.
Washing and blanching machine. F. O. Hutton. No. 1,275,560; Aug. 13; v. 253; p. 366.
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Washing-machine. H. Hart. No. 1,287,302; Dec. 10; v. 257; p. 311.
Washing-machine. T. W. Heermans. No. 1,256,557; Feb. 19; v. 247; p. 499.
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Washing-machine gearing. W. J. Schoonover. No. 1,274,088; July 30; v. 252; p. 1050.
Washing-machine gearing. F. P. Uhrig and C. C. Strange. No. 1,262,414; Apr. 9; v. 249; p. 430.
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Water-closet seat. T. J. Florey. No. 1,287,942; Dec. 17; v. 257; p. 501.
Water-closet seats and lids, Device for raising and lowering. M. Zeen. No. 1,276,472; Aug. 20; v. 253; p. 652.
Water-closet seats, Sanitary pad for. H. E. Leighton. No. 1,283,533; Nov. 5; v. 256; p. 25.
Water-closet tank. J. M. Shaffer. No. 1,261,446; Apr. 2; v. 249; p. 129.
Water-closets and urinals, Automatic flushing apparatus for. J. F. Leanhart. No. 1,289,829; Dec. 31; v. 257; p. 1014.
Water, Collecting and pumping. M. E. Layne. No. 1,286,666; Dec. 3; v. 257; p. 117.
Water-column. H. E. Thompson. No. 1,286,448; Dec. 3; v. 257; p. 66.
Water-column and gage-cock. F. H. Cathcart. No. 1,269,050; June 11; v. 251; p. 295.
Water containing sulfuric acid and iron salts, Treating. W. M. Parkin. No. 1,251,564; Jan. 1; v. 246; p. 36.
Water-cooled structure, Hollow. L. L. Knox. No. 1,282,865; Oct. 29; v. 255; p. 878.
Water-cooling apparatus. C. T. Willson. No. 1,273,436; July 23; v. 252; p. 833.
Water-cooling device. G. M. Kremelberg. No. 1,268,362; June 4; v. 251; p. 83.
Water-cooling systems, Sight-glass for. J. G. Lukens. No. 1,260,411; Mar. 26; v. 248; p. 813.
Water-cooling tower. F. W. Haas. No. 1,253,234; Jan. 15; v. 246; p. 583.
Water-deaerating process and apparatus. H. J. Demuth. No. 1,267,191; May 21; v. 250; p. 703.
Water-depth indicator, Automatic. E. J. Haynes. No. 1,289,755; Dec. 31; v. 257; p. 995.
Water-fountain. J. Fernandez. No. 1,270,935; July 2; v. 252; p. 52.
Water-fountain and feed-hopper. H. A. Stevens. No. 1,251,935; Jan. 1; v. 246; p. 145.
Water-fountain for barbers' use. J. A. Bozzella. No. 1,256,434; Feb. 12; v. 247; p. 428.
Water from animal, vegetable, and mineral substances, Electro-osmatic extraction of. B. Schwerin. No. 1,266,329; May 14; v. 250; p. 432.
Water from oil, Process and apparatus for removing. R. W. Hornor. No. 1,284,343; Nov. 12; v. 256; p. 267.
Water-gage. A. G. Beckman. No. 1,278,831; Sept. 17; v. 254; p. 461.
Water-gage. P. E. Burnham. No. 1,258,867; Mar. 12; v. 248; p. 306.
Water-gage. J. W. Cox. No. 1,283,681; Nov. 5; v. 256; p. 64.
Water-gage. C. Eibye. No. 1,267,643; May 28; v. 250; p. 854.
Water-gage. W. G. Werbeck. No. 1,255,965; Feb. 12; v. 247; p. 287.
Water-gage cock. D. Davies. No. 1,280,177; Oct. 1; v. 255; p. 16.
Water-gage guard. B. W. McClymont. No. 1,282,895; Oct. 29; v. 255; p. 886.
Water-gage, Illuminated. G. Sargl. No. 1,273,413; July 23; v. 252; p. 827.
Water-gages, Indicator attachment for. G. A. Baker. No. 1,264,752; Apr. 30; v. 249; p. 1162.
Water-gage protector. F. W. Edwards. No. 1,272,640; July 16; v. 252; p. 590.
Water-gages, Means for mounting. W. L. Greenaway. No. 1,281,945; Oct. 15; v. 255; p. 558.
Water-gate. C. W. Dayley. No. 1,287,574; Dec. 10; v. 257; p. 376.
Water-gate. N. V. Fitts. No. 1,272,933; July 16; v. 252; p. 673.
Water-gate. W. D. Rehwaldt. No. 1,269,855; June 18; v. 251; p. 550.
Water-glasses, Automatic cut-off for. A. J. Robinson. No. 1,253,727; Jan. 15; v. 246; p. 728.
Water-heater. F. L. Alsobrook. No. 1,275,193; Aug. 13; v. 253; p. 266.
Water-heater. J. H. Bacon. No. 1,287,823; Dec. 17; v. 257; p. 471.
Water-heater. J. H. Bacon. No. 1,288,469; Dec. 24; v. 257; p. 655.
Water-heater. A. Beler. No. 1,265,592; May 7; v. 250; p. 196.
Water-heater. H. R. Bynum. No. 1,265,171; May 7; v. 250; p. 83.
Water-heater. V. A. G. Cecil. No. 1,285,036; Nov. 19; v. 256; p. 480.
Water-heater. W. S. Davis. No. 1,260,757; Mar. 26; v. 248; p. 915.
Water-heater. J. R. Creamer. No. 1,263,861; Apr. 23; v. 249; p. 883.
Water-heater. W. H. Edwards. No. 1,273,161; July 23; v. 252; p. 761.
Water-heater. W. S. Grey. No. 1,264,061; Apr. 23; v. 249; p. 938.
Water-heater. P. J. Haas. No. 1,257,701; Feb. 26; v. 247; p. 869.

Water-heater. C. L. Hudler. No. 1,276,065; Aug. 20; v. 253; p. 539.
Water-heater. J. Karp. No. 1,281,388; Oct. 15; v. 255; p. 410.
Water-heater. C. L. King. No. 1,288,615; Dec. 24; v. 257; p. 692.
Water-heater. G. W. Kite, Jr. No. 1,256,328; Feb. 12; v. 247; p. 396.
Water-heater. H. W. O'Dowd. No. 1,275,293; Aug. 13; v. 253; p. 292.
Water-heater. H. Parpart. No. 1,278,003; Sept. 3; v. 254; p. 184.
Water-heater. E. Robson. No. 1,265,387; May 7; v. 250; p. 141.
Water-heater. W. E. Ross. No. 1,270,552; June 25; v. 251; p. 765.
Water-heater. H. G. Rucker. No. 1,288,206; Dec. 17; v. 257; p. 566.
Water-heater. W. A. Rued. No. 1,264,442; Apr. 30; v. 249; p. 1078.
Water-heater. H. G. Shaug. No. 1,255,835; Feb. 5: v. 247; p. 208.
Water-heater. G. Sweet. No. 1,277,664; Sept. 3; v. 254; p. 93.
Water-heater. J. K. Toles. No. 1,289.576; Dec. 31; v. 257; p. 951.
Water-heater. C. Walle. No. 1,283,379; Oct. 29; v. 255; p. 1016.
Water-heater. W. J. Warner. No. 1,256,851; Feb. 19; v. 247; p. 584.
Water-heater. W. J. Warner. No. 1,256,852; Feb. 19; v. 247; p. 585.
Water-heater. W. J. Warner. No. 1,256,853; Feb. 19; v. 247; p. 585.
Water-heater. C. C. Weaver. No. 1,285,855; Nov. 26; v. 256; p. 727.
Water heater and purifier. W. H. Morgan. No. 1,254,058; Jan. 22; v. 246; p. 841.
Water-heater, Electric. R. P. Barnstead. No. 1,286,498; Dec. 3; v. 257; p. 78.
Water-heater, Electric. H. K. Clover. No. 1,252,661; Jan. 8; v. 246; p. 387.
Water-heater, Electric. W. S. Hadaway, Jr. No. 1,281,158; Oct. 8; v. 255; p. 314.
Water-heater, Electric. O. A. Knopp. No. 1,265,213; May 7; v. 250; p. 95.
Water-heater, Electric. A. Longoria. No. 1,288,069; Dec. 17; v. 257; p. 532.
Water-heater, Electric. W. D. Ludwick. No. 1,273,389; July 23; v. 252; p. 821.
Water-heater, Electric. P. Mispel. No. 1,281,051; Oct. 8; v. 255; p. 284.
Water-heater, Electric. L. F. Parkhurst. No. 1,270,198; June 18; v. 251; p. 640.
Water-heater, Electric. S. M. Valdes. No. 1,265,554; May 7; v. 250; p. 185.
Water-heater, Electric. J. F. Wheelock. No. 1,265,849; May 14; v. 250; p. 298.
Water-heater, Induction. C. A. Backstrom. No. 1,261,470; Apr. 2; v. 249; p. 135.
Water-heater, Instantaneous. C. A. Backstrom. No. 1,263,730; Apr. 23; v. 249; p. 847.
Water-heater, Portable. A. E. Reid. No. 1,271,487; July 2; v. 252; p. 204.
Water-heaters, Thermostatic controller for gas. H. Jarvis. No. 1,286,012; Nov. 26; v. 256; p. 765.
Water heating and deoxidizing apparatus. F. N. Speller. No. 1,274,099; July 30; v. 252; p. 1053.
Water-heating apparatus. L. S. Chadwick. No. 1,258,394; Mar. 5; v. 248; p. 129.
Water-heating device. C. A. McNeir. No. 1,257,622; Feb. 26; v. 247; p. 846.
Water-heating device. J. P. Vion. No. 1,254,454; Jan. 22; v. 246; p. 954.
Water-heating system. A. C. Gordon. No. 1,266,455; May 14; v. 250; p. 464.
Water-heating system. E. Grove. No. 1,282,072; Oct. 22; v. 255; p. 632.
Water-heating system. S. A. Wisnom. No. 1,267,729; May 28; v. 250; p. 877.
Water-jacket. H. C. Holthoff. No. 1,279,696; Sept. 24; v. 254; p. 721.
Water-level alarm for drip-pans. C. C. Johnson. No. 1,283,200; Oct. 29; v. 255; p. 968.
Water-level gage. G. L. Huntress, Jr., and C. Elbye. No. 1,275,927; Aug. 13; v. 253; p. 468.
Water-level indication, System of. W. H. Winslow. No. 1,279,485; Sept. 17; v. 254; p. 636.
Water-level indicator for irrigation-ditches and the like. C. De Meyer. No. 1,267,061; May 21; v. 250; p. 666.
Water-level-regulating device. A. H. Simmons. No. 1,259,791; Mar. 19; v. 248; p. 600.
Water-meter. T. Eck and O. Cathcart. No. 1,280,689; Oct. 8; v. 255; p. 185.
Water-meter. F. W. Hanks. (Reissue.) No. 14,455; Apr. 2; v. 249; p. 214.
Water-meter. W. H. Richards. No. 1,285,388; Nov. 19; v. 256; p. 569.
Water-meter installation. F. J. Doul. No. 1,267,389; May 28; v. 250; p. 783.
Water-meter support and connection. E. H. Ford. No. 1,262,033; Apr. 9; v. 249; p. 324.
Water-motor. F. E. Allen and J. M. Lieb. No. 1,254,644; Jan. 29; v. 246; p. 1037.
Water-motor. E. G. Anderson. No. 1,275,355; Aug. 13; v. 253; p. 310.
Water-motor. A. W. Johnson. No. 1,270,951; July 2; v. 252; p. 56.
Water-motor. G. C. Riddle. No. 1,265,114; May 7; v. 250; p. 68.
Water-motor. E. D. Warner. No. 1,279,799; Sept. 24; v. 254; p. 751.
Water-motor and dam. J. W. Larimore. No. 1,278,174; Sept. 10; v. 254; p. 254.
Water-motor, Current. E. A. Speegle. No. 1,267,928; May 28; v. 250; p. 935.
Water of condensation from cylinders, Means for removing. W. W. Collins. No. 1,259,837; Mar. 19; v. 248; p. 614.
Water-operated motor. J. M. Keithly. No. 1,260,204; Mar. 19; v. 248; p. 718.
Water or sewage, Apparatus for purifying. C. F. Wallace and M. F. Tiernan. No. 1,283,993; Nov. 5; v. 256; p. 146.
Water-pipes, Antifreezing device for. J. L. Groo. No. 1,265,772; May 14; v. 250; p. 277.
Water-power apparatus. F. W. Irwin. No. 1,283,199; Oct. 29; v. 255; p. 968.
Water-power plant. A. G. Watkins. No. 1,280,617; Oct. 1; v. 255; p. 139
Water-pressure system. J. S. Ragains. No. 1,263,287; Apr. 16; v. 249; p. 705.
Water produced by a dam during flood stages of water, Means for increasing the effective head of. L. F. Harza. No. 1,263,059; Apr. 16; v. 249; p. 643.
Water-purification system, Vacuum. O. M. Campbell. No. 1,276,871; Aug. 27; v. 253; p. 796.
Water-purifier. G. Moore. No. 1,271,925; July 9; v. 252; p. 360.
Water-purifier, Electric. E. M. Barnes. No. 1,264,593; Apr. 30; v. 249; p. 1121.
Water-purifier, Electric. E. M. Barnes. No. 1,267,044; May 21; v. 250; p. 661.
Water, Purifying. V. Kobelt. No. 1,274,560; Aug. 6; v. 253; p. 63.
Water-purifying apparatus. E. E. Buscher. No. 1,276,025; Aug. 20; v. 253; p. 526.
Water-purifying apparatus. L. Linden. No. 1,276,234; Aug. 20; v. 253; p. 585.
Water-purifying apparatus, Electrical snap-switch for. H. B. Hartman. No. 1,255,531; Feb. 5; v. 247; p. 121.
Water-regulator. W. H. Minekime. No. 1,267,103; May 21; v. 250; p. 677.
Water-rotor. J. Ripczinske. No. 1,283,908; Nov. 5; v. 256; p. 124.
Water safety device, Low-. T. W. Kloman. No. 1,280,762; Oct. 8; v. 255; p. 206.
Water-scoop apparatus. D. F. Crawford. No. 1,276,880; Aug. 27; v. 253; p. 799.
Water-softeners, Feed device for. O. Best. No. 1,276,315; Aug. 20; v. 253; p. 607.
Water softening. H. Heller. No. 1,273,857; July 30, v. 252; p. 985.
Water, Softening. G. H. Uecke. No. 1,255,358; Feb. 5; v. 247; p. 70.
Water-softening apparatus. C. L. Kennicott. No. 1,272,052; July 9; v. 252; p. 398.
Water-softening apparatus. G. H. Uecke. No. 1,255,359; Feb. 5; v. 247; p. 70.
Water-softening apparatus, Means for regulating. C. L. Kennicott. No. 1,272,053; July 9; v. 252; p. 398.
Water-softening apparatus, Means for regulating the feed of chemicals in. C. L. Kennicott. No. 1,272,054; July 9; v. 252; p. 399.
Water-softening method and apparatus. T. R. Duggan. No. 1,276,629; Aug. 20; v. 253; p. 695.
Water-softening reagent, Manufacturing. F. Blumenthal. No. 1,285,603; Nov. 26; v. 256; p. 662.
Water-stage recorder. W. Hess, Jr. No. 1,285,169; Nov. 19; v. 256; p. 514.
Water-supply control. W. C. McLarty. No. 1,287,062; Dec. 10; v. 257; p. 250.
Water, System for suppying drinking-. J. Martens. No. 1,284,406; Nov. 12; v. 256; p. 284.
Water-tank. J. Allenson. No. 1,284,962; Nov. 19; v. 256; p. 460.
Water-tank. L. D. Copeland. No. 1,253,941; Jan. 15; v. 246; p. 787.
Water-tight joints, Production of. S. Thornton. No. 1,289,308; Dec. 31; v. 257; p. 886.
Water-trap. L. C. Jann. No. 1,261,129; Apr. 2; v. 249; p. 39.
Water-trap for lighting systems. J. F. Middelstadt. No. 1,271,195; July 2; v. 252; p. 125.
Water, Treating mine-. J. R. Campbell and A. F. Hoffman. No. 1,267,971; May 28; v. 250; p. 946.
Water-trough. A. N. Allen. No. 1,278,285; Sept. 10; v. 254; p. 285.
Water-tube boiler. F. E. Arnold. No. 1,276,858; Aug. 27; v. 253; p. 793.
Water-tube boiler. J. E. Bell. No. 1,275,366; Aug. 13; v. 253; p. 313.
Water-tube boiler. H. A. Brisco. No. 1,285,010; Nov. 19; v. 256; p. 474.

Water-tube boiler. C. W. Dyson. No. 1,279,094; Sept. 17; v. 254; p. 531.
Water-tube boiler. H. J. Gebhardt. No. 1,285,677; Nov. 26; v. 256; p. 681.
Water-vapor in the atmosphere of rooms, Diffusing. J. Wright and W. H. Marshall. No. 1,285,879; Nov. 26; v. 256; p. 733.
Water-wheel. H. Gamlen. No. 1,279,320; Sept. 17; v. 254; p. 592.
Water-wheel. F. N. Newton. No. 1,258,038; Mar. 5; v. 248; p. 26.
Water-wheel, Current. F. J. Luick. No. 1,275,951; Aug. 13; v. 253; p. 475.
Water-wheel governor. G. D. Smith. No. 1,284,484; Nov. 12; v. 256; p. 302.
Water-wheel, Hydrostatic overshot. R. J. Burgin. No. 1,255,510; Feb. 5; v. 247; p. 114.
Water-wheel regulator. A. Dickerson. No. 1,279,848; Sept. 24; v. 254; p. 764.
Water-wheels, Device for governing. P. W. Seewer. No. 1,282,470; Oct. 22; v. 255; p. 741.
Water-wheels, Discharge-chamber for. W. M. White. No. 1,264,728; Apr. 30; v. 249; p. 1156.
Water wheels, Discharge-chamber for. W. M. White. No. 1,264,729; Apr. 30; v. 249; p. 1157.
Water-tube boiler. T. L. Fawick. No. 1,267,528; May 28; v. 250; p. 821.
Water-tube boiler. C. H. Parmelee. No. 1,269,849; June 18; v. 251; p. 548.
Water-tube boiler. A. D. Pratt. No. 1,274,327; July 30; v. 252; p. 1116.
Water-tube boiler, Vertical. J. E. Bell. No. 1,266,906; May 21; v. 250; p. 621.
Water-wings. W. K. Alther. No. 1,262,296; Apr. 9; v. 249; p. 397.
Waters, Means of handling natural carbonated. C. G. Anthony. No. 1,279,216; Sept. 17; v. 254; p. 563.
Waterer, Chicken-. J. Vorba. No. 1,255,492; Feb. 5; v. 247; p. 109.
Waterer, Stock-. W. J. Krause. No. 1,262,059; Apr. 9; v. 249; p. 330.
Watering and feeding trough, Combined. J. Herbert. No. 1,257,861; Feb. 26; v. 247; p. 916.
Watering apparatus. R. B. Glidden. No. 1,287,671; Dec. 17; v. 257; p. 432.
Watering apparatus, Hog-. R. W. Ryon. No. 1,254,937; Jan. 29; v. 246; p. 1127.
Watering device. W. F. Close. No. 1,288,383; Dec. 17; v. 257; p. 607.
Watering device, Cattle-. H. C. Rassmann. No. 1,254,848; Jan. 29; v. 246; p. 1101.
Watering device, Cattle-. H. C. Rassmann. No. 1,260,804; Mar. 26; v. 248; p. 928.
Watering device, Cattle-. H. C. Rassmann. No. 1,260,805; Mar. 26; v. 248; p. 928.
Watering device, Cattle-. H. C. Rassmann. No. 1,276,813; Aug. 27; v. 253; p. 782.
Watering device for cattle. E. I. Nottingham. No. 1,283,274; Oct. 29; v. 255; p. 987.
Watering device for cattle. H. C. Rassmann. No. 1,283,301; Oct. 29; v. 255; p. 993.
Watering device, Stock-. E. S. Johnson. No. 1,287,033; Dec. 10; v. 257; p. 243.
Watering device, Stock-. E. S. Johnson. No. 1,287,696; Dec. 17; v. 257; p. 438.
Watering-fountain, Automatically-controlled. J. F. Healy. No. 1,270,731; June 25; v. 251; p. 811.
Watering-fountain, Sanitary non-freezing. E. Hicks. No. 1,258,620; Mar. 5; v. 248; p. 197.
Waters, Treating ferruginous. L. S. Hughes and C. H. Wolcott. No. 1,254,009; Jan. 15; v. 246; p. 807.
Waters, Treating waste. C. E. Cummings. No. 1,263,532; Apr. 23; v. 249; p. 795.
Watering-pot. A. E. Wilt. No. 1,271,405; July 2; v. 252; p. 182.
Watering tank, Stock-. R. H. Bloomer. No. 1,277,688; Sept. 3; v. 254; p. 99.
Watering tank, Stock-. G. B. Frost. No. 1,257,211; Feb. 19; v. 247; p. 689.
Watering tank, Stock-. L. B. Murray. No. 1,254,838; Jan. 29; v. 246; p. 1098.
Watering-trough. A. R. Thorson. No. 1,282,986; Oct. 29; v. 255; p. 912.
Watering trough, Automatic stock-. J. W. Kirby. No. 1,274,894; Aug. 6; v. 253; p. 158.
Watering trough, Stock-. G. T. Stewart. No. 1,251,590; Jan. 1; v. 246; p. 44.
Waterproof and buoyant fabric. N. P. Heisdorf. No. 1,276,909; Aug. 27; v. 253; p. 806.
Waterproof cement and product, Making. H. M. Olson. No. 1,283,546; Nov. 5; v. 256; p. 29.
Waterproof composition. W. Rodenberger. No. 1,283,913; Nov. 5; v. 256; p. 125.
Waterproof composition and making such composition. V. A. Wallin and O. A. Heppes. No. 1,263,823; Apr. 23; v. 249; p. 872.
Waterproof composition, Buoyant. J. E. Allen. No. 1,285,888; Nov. 26; v. 256; p. 735.
Waterproof composition for coating paper. B. Kniffler. No. 1,266,955; May 21; v. 250; p. 635.
Waterproof composition for coating paper, Making. B. Kniffler. No. 1,266,956; May 21; v. 250; p. 635.
Waterproof fiber sheet and insole made therefrom. W. G. Abbott, Jr. No. 1,263,186; Apr. 16; v. 249; p. 679.
Waterproofed material and method of waterproofing. E. R. Jump. No. 1,256,324; Feb. 12; v. 247; p. 395.
Waterproofing and ornamenting objects. D. F. Shope. No. 1,270,450; June 25; v. 251; p. 736.
Waterproofing and rendering impervious to dust, bags, sacks, and the like. J. Gadsden. No. 1,258,104; Mar. 5; v. 248; p. 46.
Waterproofing fibrous material. P. F. Bovard. No. 1,280,954; Oct. 8; v. 255; p. 257.
Waterways, Defending. J. A. Steinmetz. No. 1,256,741; Feb. 19; v. 247; p. 552.
Watt-hour meter. C. L. Inglefield. No. 1,276,925; Aug. 27; v. 253; p. 810.
Watt-hour meter, Polyphase. J. H. Hodde and O. White. No. 1,260,381; Mar. 26; v. 248; p. 804.
Watt-hour meter, Prepayment. W. M. Bradshaw and W. G. Mylins. No. 1,274,672; Aug. 6; v. 253; p. 95.
Wattmeter, Electric. P. M. Lincoln. No. 1,258,346; Mar. 5; v. 248; p. 114.
Wattmeter, Excess-. A. W. Burke. No. 1,262,746; Apr. 16; v. 249; p. 553.
Wattmeter, Excess-. A. W. Burke. No. 1,262,747; Apr 16; v. 249; p. 554.
Wattmeter, Excess-. A. W. Burke. No. 1,284,230; Nov. 12; v. 256; p. 236.
Wattmeter, Excess-. A. W. Burke. No. 1,284,231; Nov. 12; v. 256; p. 236.
Wave-generator, Sinusoidal. R. W. Chapman. No. 1,268,545; June 4; v. 251; p. 135.
Wave impulses, Means for translating. E. H. Arnet. No. 1,274,661; Aug. 6; v. 253; p. 92.
Wave-motor. W. H. Furness and C. E. Vanderkleed. No. 1,259,845; Mar. 19; v. 248; p. 617.
Wave-motor. W. J. Gallaway. No. 1,256,106; Feb. 12; v. 247; p. 329.
Wave-motor. L. W. Hammond. No. 1,263,888; Apr. 23; v. 249; p. 892.
Wave-motor. D. Hillis. No. 1,263,890; Apr. 23; v. 249; p. 892.
Wave-motor. B. H. Pelton. No. 1,289,533; Dec. 31; v. 257; p. 941.
Wave-motor. H. S. Sheransky. No. 1,286,811; Dec. 3; v. 257; p. 149.
Wave-motor. G. R. Westcott. No. 1,259,179; Mar. 12; v. 248; p. 396.
Wave-motor and pumping system. J. M. Irvine. No. 1,285,198; Nov. 19; v. 256; p. 521.
Wave-power. N. S. Abrahamson. No. 1,267,733; May 28; v. 250; p. 878.
Wave-power apparatus for compressing air. L. D. Woods. No. 1,264,737; Apr. 30; v. 249; p. 1159.
Wax figures, Adjustable coupling for. I. G. Culver. No. 1,254,313; Jan. 22; v. 246; p. 915.
Wax-like substances from lanolin, Obtaining. I. Lifschütz. No. 1,252,591; Jan. 8; v. 246; p. 367.
Wax-press. J. W. Bradley. No. 1,262,628; Apr. 16; v. 249; p. 519.
Weaner, Calf-. P. Black. No. 1,279,503; Sept. 24; v. 254; p. 665.
Weaner, Calf-. P. A. Groth. No. 1,252,345; Jan. 1; v. 246; p. 260.
Weaner, Calf-. F. D. Kees. No. 1,268,253; June 4; v. 251; p. 51.
Weaner, Calf-. C. B. Wagner, Jr. No. 1,267,482; May 28; v. 250; p. 808.
Weaner, Calf and colt. J. N. Skaggs. No. 1,287,480; Dec. 10; v. 257; p. 300.
Weaner, Colt-. M. Hawkins. No. 1,251,886; Jan. 1; v. 246; p. 133.
Weaner, Colt and calf. D. Daggett. No. 1,253,944; Jan. 15; v. 246; p. 788.
Weapon. M. M. Bet. No. 1,268,205; June 4; v. 251; p. 38.
Weapon. F. Sign. No. 1,252,853; Jan. 8; v. 246; p. 440.
Weapon. A. Surozewski. No. 1,280,898; Oct. 8; v. 255; p. 244.
Weapon. S. Toth and P. Sanko, Sr. No. 1,259,682; Mar. 19; v. 248; p. 568.
Weapon. F. Wekwert. No. 1,259,943; Mar. 19; v. 248; p. 646.
Weapon and wire-cutter, Combined. C. Gora. No. 1,285,681; Nov. 26; v. 256; p. 682.
Weather-strip. R. T. Axe. No. 1,268,420; June 4; v. 251; p. 99.
Weather-strip. E. A. Brady. No. 1,264,483; Apr. 30; v. 249; p. 1090.
Weather-strip. F. G. Corser. No. 1,282,762; Oct. 29; v. 255; p. 848.
Weather-strip. D. H. Harnly. No. 1,270,151; June 18; v. 251; p. 628.
Weather-strip. N. A. Juhl. No. 1,254,237; Jan. 22; v. 246; p. 892.
Weather-strip. L. M. Rees. No. 1,282,290; Oct. 22; v. 255; p. 692.
Weather-strip. L. F. Rohde. No. 1,277,484; Sept. 3; v. 254; p. 42.
Weather-strip. A. C. Schnake. No. 1,266,059; May 14; v. 250; p. 357.
Weather-strip. H. H. Schroyer. No. 1,256,052; Feb. 12; v. 247; p. 312.

Weather-strip for car-windows. H. H. Schroyer. No. 1,256,049; Feb. 12; v. 247; p. 311.
Weather-strip for doors. J. R. Dupen. No. 1,262,931; Apr. 16; v. 249; p. 606.
Weather-strip for metal window sashes and frames. J. P. Glaser and B. W. Burch. No. 1,261,920; Apr. 9; v. 249; p. 293.
Weather-strip, Wind-shield. A. L. McCormick. No. 1,259,117; Mar. 12; v. 248; p. 378.
Weather-vane. A. R. Bieber. No. 1,265,420; May 7; v. 250; p. 150.
Weatherproof outlet. L. Fort. No. 1,284,291; Nov. 12; v. 256; p. 254.
Weatherproof socket. G. B. Thomas. No. 1,279,940; Sept. 24; v. 254; p. 791.
Weaving. A. T. Quantz. No. 1,268,612; June 4; v. 251; p. 155.
Weaving garter-pads. W. Achtmeyer. No. 1,267,954; May 28; v. 250; p. 942.
Weaving-machine. M. Gulaczynski. No. 1,280,450; Oct. 1; v. 255; p. 93.
Weaving-machine tension device. J. O. Hayes. No. 1,288,580; Dec. 24; v. 257; p. 684.
Web-carrying rolls, Stretching device for. C. W. Mayer. No. 1,288,643; Dec. 24; v. 257; p. 699.
Web-feeding mechanism. O. Roesen. No. 1,273,926; July 30; v. 252; p. 1005.
Web-feeding mechanism. B. C. White. No. 1,268,134; June 4; v. 251; p. 19.
Web-guiding device. R. A. Gally. No. 1,264,632; Apr. 30; v. 249; p. 1131.
Web-guiding device. B. R. Van Valkenburg. No. 1,259,321; Mar. 12; v. 248; p. 434.
Web mechanism, Offset-. I. Tornberg. No. 1,285,842; Nov. 26; v. 256; p. 724.
Web-perfecting machine. D. J. Scott. No. 1,284,475; Nov. 12; v. 256; p. 300.
Web stretching and guiding device. J. T. Bolton. No. 1,262,740; Apr. 16; v. 249; p. 551.
Web-tensioning device. G. H. Lewis. No. 1,256,503; Feb. 12; v. 247; p. 448.
Wedge. D. F. Manning. No. 1,261,834; Apr. 9; v. 249; p. 272.
Wedge, Adjustable. J. B. Swan and Z. P. Cornell. No. 1,268,073; May 28; v. 250; p. 974.
Wedge, Automatic driving-box. F. W. Martin. No. 1,268,781; June 4; v. 251; p. 201.
Wedge-cutting machine. N. C. Wells. No. 1,275,807; Aug. 13; v. 253; p. 435.
Wedge device, Driving-box. F. W. Martin. No. 1,268,747; June 4; v. 251; p. 191.
Wedge for driving-boxes, Automatic. F. W. Martin. No. 1,268,746; June 4; v. 251; p. 191.
Wedge-parallel. H. Hansen. No. 1,285,139; Nov. 19; v. 256; p. 505.
Wedge-retaining device. J. B. Wilson. No. 1,254,101; Jan. 22; v. 246; p. 854.
Weed-cutter. R. R. Dupler. (Reissue.) No. 14,553; Nov. 19; v. 256; p. 617.
Weed-cutter. J. L. Estell. No. 1,267,645; May 28; v. 250; p. 855.
Weed-cutter. K. Klaffert. No. 1,278,680; Sept. 10; v. 254; p. 391.
Weed-cutter. R. A. Twitchel. No. 1,263,965; Apr. 23; v. 249; p. 913.
Weed-cutter. F. F. Weaver. No. 1,288,321; Dec. 17; v. 257; p. 592.
Weed-destroyer. T. T. Snow. No. 1,257,544; Feb. 26; v. 247; p. 823.
Weed-destroying device. H. B. Rue. No. 1,264,441; Apr. 30; v. 249; p. 1078.
Weed-exterminator. J. J. Fleming. No. 1,258,551; Mar. 5; v. 248; p. 176.
Weed-hook. J. H. Welch. No. 1,263,174; Apr. 16; v. 249; p. 676.
Weed-puller. C. B. Bussell. No. 1,262,170; Apr 9; v. 249; p. 363.
Weed-puller. A. L. Romero. No. 1,274,201; July 30; v. 252; p. 1082.
Weed-pulling tool. B. L. Page. No. 1,262,693; Apr. 16; v. 249; p. 538.
Weeder. H. Hales. No. 1,254,687; Jan. 29; v. 246; p. 1051.
Weeder, Hand-. L. Inman. No. 1,288,904; Dec. 24; v. 257; p. 761.
Weeder-shoe. G. Thomas. No. 1,262,286; Apr. 9; v. 249; p. 394.
Weeding device. T. Niemoth. No. 1,277,998; Sept. 3; v. 254; p. 182.
Weeding implement. H. W. Hales. No. 1,262,482; Apr. 9; v. 249; p. 449.
Weeding implement. F. G. Logsdon. No. 1,253,504; Jan. 15; v. 246; p. 664.
Weeding-machine. C. E. Swain. No. 1,269,129; June 11; v. 251; p. 316.
Weeding-machine, Garden-truck. E. Miller. No. 1,287,391; Dec. 10; v. 257; p. 333.
Weft cutter, Spent-. E. H. Ballou. No. 1,272,600; July 16; v. 252; p. 577.
Weft-replenishing mechanism. A. Lauzon. No. 1,261,563; Apr. 2; v. 249; p. 163.
Weft-replenishing mechanism. E. H. Ryon. No. 1,281,075; Oct. 8; v. 255; p. 291.
Weft-straightening apparatus. C. A. Doran. No. 1,272,924; July 16; v. 252; p. 671.
Weigher, Automatic. J. J. Beaty. No. 1,279,227; Sept. 17; v. 254; p. 566.
Weigher, Liquid-. P. M. Anderson. No. 1,256,193; Feb. 12; v. 247; p. 356.
Weighing and similar machines, Recording mechanism for. J. R. Peirce. No. 1,261,434; Apr. 2; v. 249; p. 126.
Weighing apparatus. J. Malensheck. No. 1,254,335; Jan. 22; v. 246; p. 920.
Weighing apparatus and the like, Pivoting device for rotating parts in. G. von Post. No. 1,256,747; Feb. 19; v. 247; p. 554.
Weighing apparatus, Automatic. J. L. Morris. No. 1,253,081; Jan. 8; v. 246; p. 511.
Weighing apparatus, Automatic. A. Wright. No. 1,283,012; Oct. 29; v. 255; p. 919.
Weighing device, Automatic. F. E. Layman. No. 1,260,556; Mar. 26; v. 248; p. 856.
Weighing device, Automatic. L. L. Tatum. No. 1,274,209; July 30; v. 252; p. 1085.
Weighing device, Automatic water-. E. W. Brackenbury. No. 1,272,368; July 16; v. 252; p. 514.
Weighing-machine. H. L. Merrick. No. 1,257,376; Feb. 26; v. 247; p. 772.
Weighing-machine, Automatic. A. Larsen. No. 1,278,481; Sept. 10; v. 254; p. 335.
Weighing-machine, Automatic. J. F. Reinert. No. 1,276,958; Aug. 27; v. 253; p. 819.
Weighing-machine, Automatic. C. D. Scott. No. 1,279,021; Sept. 17; v. 254; p. 512.
Weighing-machines, Compensator for automatic. E. H. Messiter. No. 1,251,680; Jan. 1; v. 246; p. 72.
Weighing mechanism, Indicating and recording. O. A. Wood and R. S. Ogilvy. No. 1,285,540; Nov. 19; v. 256; p. 606.
Weighing water, Machine for. D. K. Allison. No. 1,287,567; Dec. 10; v. 257; p. 375.
Weight and measurement indicator. E. D. Waterbury. No. 1,254,952; Jan. 29; v. 246; p. 1131.
Weight, Horn-shaping. R. G. Weston. No. 1,287,540; Dec. 10; v. 257; p. 367.
Weir, Drinking-. R. M. Magnus. No. 1,254,251; Jan. 22; v. 246; p. 896.
Weir for regulating the flow of water, Automatic. E. J. Hoff. No. 1,263,768; Apr. 23; v. 249; p. 857.
Weir-gages, Sight-window for. D. R. Yarnall. No. 1,260,503; Mar. 26; v. 248; p. 840.
Welded metal rings, Making. T. E. Murray, Jr. No. 1,259,270; Mar. 12; v. 248; p. 419.
Welded pipe-joint. D. B. Farnsworth, Jr., and W. Z. Allen. No. 1,287,934; Dec. 17; v. 257; p. 499.
Welder. N. D. Abbey. No. 1,282,163; Oct. 22; v. 255; p. 658.
Welder, Electric. S. C. Cary. No. 1,276,030; Aug. 20; v. 253; p. 528.
Welders, Clamping mechanism for. A. W. Richards. No. 1,274,451; Aug. 6; v. 253; p. 31.
Welding. C. H. Brown. No. 1,263,739; Apr. 23; v. 249; p. 849.
Welding and annealing high-speed steel. E. J. Von Henke. No. 1,252,746; Jan. 8; v. 246; p. 411.
Welding and apparatus used in connection therewith, Process of electrical. J. Burns. No. 1,271,428; July 2; v. 252; p. 188.
Welding apparatus. P. H. Friel. No. 1,288,866; Dec. 24; v. 257; p. 751.
Welding apparatus, Electric. J. B. Clapper. No. 1,270,786; July 2; v. 252; p. 8.
Welding apparatus, Electric-. C. H. Kicklighter. No. 1,252,809; Jan. 8; v. 246; p. 428.
Welding apparatus, Electric. J. P. Nikonow. No. 1,264,326; Apr. 30; v. 249; p. 1045.
Welding apparatus, Electric. J. P. Nikonow. No. 1,280,818; Oct. 8; v. 255; p. 222.
Welding apparatus, Electric. F. L. Sessions. No. 1,287,774; Dec. 17; v. 257; p. 458.
Welding apparatus, Electric. E. J. Von Henke. No. 1,267,480; May 28; v. 250; p. 807.
Welding apparatus, Electrical. T. E. Murray, Jr. No. 1,252,145; Jan. 1; v. 246; p. 206.
Welding apparatus for pipe-couplings, Electrical. T. E. Murray. No. 1,267,258; May 21; v. 250; p. 720.
Welding apparatus, Portable electric-arc-. H. D. Morton. No. 1,278,985; Sept. 17; v. 254; p. 503.
Welding, Arc-. J. A. Seede. No. 1,262,396; Apr. 9; v. 249; p. 426.
Welding block, Angle-iron-. W. H. Jones. No. 1,259,522; Mar. 19; v. 248; p. 524.
Welding composition. J. A. Hope. No. 1,254,805; Jan. 29; v. 246; p. 1087.
Welding compound. F. G. Braund and L. J. Vargo. No. 1,271,125; July 2; v. 252; p. 104.
Welding compound. C. C. Roberts. No. 1,283,909; Nov. 5; v. 256; p. 124.
Welding-controller. L. P. Coulter. No. 1,278,860; Sept. 17; v. 254; p. 468.
Welding-controller. T. D. Montgomery. No. 1,278,368; Sept. 10; v. 254; p. 307.

Welding-controller. T. D. Montgomery and L. C. Schantz. No. 1,253,198; Jan. 8; v. 246; p. 544.
Welding-controller. E. B. H. Tower, Jr., and R. H. Van Nest. No. 1,289,020; Dec. 24; v. 257; p. 789.
Welding, Electric. W. B. Cleveland. No. 1,264,611; Apr. 30; v. 249; p. 1126.
Welding, Electric. C. H. Florandin and A. M. Bennett. No. 1,251,764; Jan. 1; v. 246; p. 97.
Welding, Electric. C. H. Florandin and A. M. Bennett. No. 1,283,715; Nov. 5; v. 256; p. 73.
Welding, Electric. T. E. Murray, Jr. No. 1,259,271; Mar. 12; v. 248; p. 420.
Welding, Electric. J. B. Murray. No. 1,278,193; Sept. 10; v. 254; p. 259.
Welding, Electric. T. E. Murray, Jr. No. 1,281,636; Oct. 15; v. 255; p. 475.
Welding, Electric. T. E. Murray, Jr. No. 1,281,637; Oct. 15; v. 255; p. 475.
Welding, Electric. H. A. Newcomb. No. 1,270,860; July 2; v. 252; p. 30.
Welding, Electric. E. Thomson. No. 1,273,203; July 23; v. 252; p. 773.
Welding, Electric. A. P. White. No. 1,281,454; Oct. 15; v. 255; p. 428.
Welding, Electrical. T. E. Murray. No. 1,252,142; Jan. 1; v. 246; p. 205.
Welding, Electric-arc. O. A. Kenyon. No. 1,265,342; May 7; v. 250; p. 128.
Welding, Electrical butt-. T. E. Murray, Jr. No. 1,259,273; Mar. 12; v. 248; p. 420.
Welding, heating, and the like, Arc. C. L. Coffin. No. 1,265,613; May 7; v. 250; p. 201.
Welding high-speed steel. E. J. Von Henke. No. 1,253,189; Jan. 8; v. 246; p. 542.
Welding high-speed steel to other steel or iron. A. F. Beaulieu. No. 1,256,429; Feb. 12; v. 247; p. 426.
Welding-machine, Automatic. W. L. Callahan and J. W. Raynor. No. 1,262,749; Apr. 16; v. 249; p. 554.
Welding machine, Automatic arc-. H. D. Morton. No. 1,278,983; Sept. 17; v. 254; p. 502.
Welding-machine blowpipe. J. Harris. No. 1,288,879; Dec. 24; v. 257; p. 755.
Welding-machine, Electric. T. E. Murray and H. R. Woodrow. No. 1,252,143; Jan. 1; v. 246; p. 206.
Welding-machine, Electric. T. E. Murray. No. 1,259,274; Mar. 12; v. 248; p. 420.
Welding-machine, Electric. E. J. Von Henke. No. 1,266,084; May 14; v. 250; p. 364.
Welding-machine, Electric. R. E. Wagner and W. E. Laird. No. 1,282,502; Oct. 22; v. 255; p. 750.
Welding-machine for making metal rings, Electric. T. E. Murray and H. R. Woodrow. No. 1,267,254; May 21; v. 250; p. 719.
Welding machine, Multiple spot-. J. Ledwinka. No. 1,269,617; June 18; v. 251; p. 483.
Welding mechanism, Control system for electric-arc-. H. D. Morton. No. 1,278,982; Sept. 17; v. 254; p. 502.
Welding mechanism, Electrical. R. O. Hood. No. 1,288,589; Dec. 24; v. 257; p. 685.
Welding metal bodies and for annealing said bodies at the welded joint, Process and apparatus for. T. E., Jr., and J. B. Murray. No. 1,252,144; Jan. 1; v. 246; p. 206.
Welding metal plates and the like. F. L. Sessions. No. 1,278,234; Sept. 10; v. 254; p. 271.
Welding metals. R. D. Mershon. No. 1,269,726; June 18; v. 251; p. 514.
Welding, Method of and apparatus for electric. T. E. Murray. No. 1,267,256; May 21; v. 250; p. 720.
Welding, Method of and apparatus for electric. T. E. and J. B. Murray. No. 1,267,259; May 21; v. 250; p. 720.
Welding, Method of and apparatus for electrical. T. E. Murray, Jr. No. 1,259,272; Mar. 12; v. 248; p. 420.
Welding, Method of and apparatus for spot-. C. H. S. MacLennan. No. 1,287,376; Dec. 10; v. 257; p. 330.
Welding, Method of and means for electric-arc. H. D. Morton. No. 1,278,984; Sept. 17; v. 254; p. 503.
Welding, Operator's outfit for electric. E. Woltmann. No. 1,284,529; Nov. 12; v. 256; p. 313.
Welding or brazing, Electric-arc. G. W. Cravens. No. 1,260,875; Mar. 26; v. 248; p. 947.
Welding or brazing, Electric-arc. G. W. Cravens. No. 1,260,989; Mar. 26; v. 248; p. 977.
Welding or other metal-working apparatus, Automatic switching or circuit-breaking device for electric. E. J. Von Henke. No. 1,267,481; May 28; v. 250; p. 808.
Welding plates or bars together, Method of and apparatus for electrically. T. E. Murray, Jr. No. 1,252,146; Jan. 1; v. 246; p. 206.
Welding, Process and apparatus for autogenous. P. De Paolini. No. 1,262,653; Apr. 16; v. 249; p. 526.
Welding process and article, Plate-. W. B. Lashar. No. 1,261,943; Apr. 9; v. 249; p. 300.
Welding shield, Electric-. C. B. Wade and E. K. Herman. No. 1,255,249; Feb. 5; v. 247; p. 39.
Welding system. J. A. Seede. No. 1,289,932; Dec. 31; v. 257; p. 1039.
Welding the butt-end of a tube to a plate of thin metal having an opening. T. E. Murray. No. 1,270,045; June 18; v. 251; p. 599.
Welding the rims or flanges of wheel or cycle tires, Method and means for electrically. R. Kronenberg. No. 1,257,615; Feb. 26. v. 247; p. 844.
Welding-tool. O. A. Kenyon. No. 1,287,337; Dec. 10; v. 257; p. 319.
Welding trainer, Autogenous-. H. Cave. No. 1,286,529; Dec. 3; v. 257; p. 85.
Welding tungsten ingots. C. A. Pfanstiehl. No. 1,267,801; May 28; v. 250; p. 898.
Welding tungsten ingots, Apparatus for. C. A. Pfanstiehl. No. 1,260,940; Mar. 26; v. 248; p. 964.
Well apparatus, Oil-. W. H. Cooper. No. 1,272,625; July 16; v. 252; p. 586.
Well-bailing device. I. Swartz. No. 1,253,106; Jan. 8; v. 246; p. 518.
Well-boring apparatus. W. G. Knapp. No. 1,259,026; Mar. 12; v. 248; p. 353.
Well-boring apparatus. T. H. Slavin. No. 1,273,099; July 16; v. 252; p. 718.
Well-boring apparatus. W. W. Wilson. No. 1,276,471; Aug. 20; v. 253; p. 652.
Well-boring, Reamer-drill for. W. M. Walker. No. 1,278,402; Sept. 10; v. 254; p. 315.
Well-boring rod. M. E. Layne. No. 1,266,831; May 21; v. 250; p. 601.
Well-boring tool. S. Toth. No. 1,259,319; Mar. 12; v. 248; p. 434.
Well casing and tool fishing device. E. A. Kliewer. No. 1,266,821; May 21; v. 250; p. 598.
Well-casing grapple. E. C. Artzt. No. 1,264,472; Apr. 30; v. 249; p. 1087.
Well-casing head. I. Podobiedoff. No. 1,272,312; July 9; v. 252; p. 472.
Well-casing lock-joint. A. Beedham. No. 1,287,835; Dec. 17; v. 257; p. 474.
Well-casing puller. M. W. Smith. No. 1,282,479; Oct. 22; v. 255; p. 743.
Well-casings, Resilient attachment for. W. G. Vreeland. No. 1,269,232; June 11; v. 251; p. 346.
Well-cleaner, Combination. L. M. Long. No. 1,257,260; Feb. 19; v. 247; p. 705.
Well-cleaning apparatus, Oil-. R. Gregory and W. E. Minton. No. 1,271,511; July 2; v. 252; p. 211.
Well-cleaning device. J. L. Cameron. No. 1,276,028; Aug. 20; v. 253; p. 527.
Well-cleaning device. D. A. Carden. No. 1,259,721; Mar. 19; v. 248; p. 580.
Well-cleaning device. H. M. Green. No. 1,272,253; July 9; v. 252; p. 454.
Well-cleaning device. H. M. Green. No. 1,279,333; Sept. 17; v. 254; p. 595.
Well-cleaning device. W. E. Minton. No. 1,260,241; Mar. 19; v. 248; p. 729.
Well-cleaning device. M. Owen. No. 1,262,241; Apr. 9; v. 249; p. 382.
Well construction. P. E. Vaughan and S. M. Halstead. No. 1,289,320; Dec. 31; v. 257; p. 889.
Well-depth register. D. G. Roy. No. 1,266,631; May 21; v. 250; p. 546.
Well-digging machine, Reversible hydraulic. M. N. Latta. No. 1,274,903; Aug. 6; v. 253; p. 160.
Well-drill. G. W. Simpson. No. 1,287,477; Dec. 10; v. 257; p. 352.
Well-drill. T. A. Williams. No. 1,257,659; Feb. 26; v. 247; p. 856.
Well-drill, Expansive and contractive. O. M. Carter. No. 1,271,275; July 2; v. 252; p. 148.
Well drilling and pulling machines, Brake mechanism for oil-. W. C. Booz. No. 1,278,098; Sept. 10; v. 254; p. 234.
Well-drilling machine. A. H. Herdman. No. 1,255,747; Feb. 5; v. 247; p. 184.
Well-drilling machine. W. C. Sole. No. 1,274,950; Aug. 6; v. 253; p. 173.
Well-drilling machine. W. C. Sole. No. 1,285,443; Nov. 19; v. 256; p. 583.
Well-drilling machine. G. R. Watson. No. 1,288,319; Dec. 17; v. 257; p. 592.
Well-drilling machines, Ram attachment for. H. E. Brown. No. 1,287,865; Dec. 17; v. 257; p. 481.
Well-drilling machines, Spudding attachment for. C. M. Heeter. No. 1,265,653; May 7; v. 250; p. 211.
Well-drilling rigs, Swivel for rotary. E. E. Greve. No. 1,259,853; Mar. 19; v. 248; p. 619.
Well-drilling sand-point. E. Master. No. 1,288,100; Dec. 17; v. 257; p. 541.
Well-drilling, Swivel for use in. J. Growder. No. 1,275,018; Aug. 6; v. 253; p. 192.
Well-drilling, Temper-screw for. H. B. Walker. No. 1,252,866; Jan. 8; v. 246; p. 443.
Well-drilling tool, Cable-system-. E. L. H. Cosby. No. 1,253,791; Jan. 15; v. 246; p. 745.
Well-drilling trip. C. W. Woodland. No. 1,253,327; Jan. 15; v. 246; p. 611.
Well drive, Oil-. V. York and W. G. Black. No. 1,277,166; Aug. 27; v. 253; p. 876.
Well equipment. J. Hahn. No. 1,268,964; June 11; v. 251; p. 271.
Well jack, Oil-. H. E. Brown. No. 1,254,572; Jan. 22; v. 246; p. 988.
Well-jar. T. W. Bell. No. 1,277,683; Sept. 3; v. 254; p. 98.

Well-packer. C. H. Sheasley. No. 1,273,548; July 23; v. 252; p. 863.
Well packer, Oil-. C. H. Sheasley. No. 1,262,107; Apr. 9; v. 249; p. 344.
Well-packing construction. F. J. Stumpf. No. 1,286,141; Nov. 26; v. 256; p. 795.
Well-pipes, Drain-valve for. W. N. Lindsey. No. 1,267,093; May 21; v. 250; p. 674.
Well plug, Dry-. J. G. Robinson. No. 1,263,933; Apr. 23; v. 249; p. 905.
Well-point. W. Kelly. No. 1,256,906; Feb. 19; v. 247; p. 601.
Well pumps, Stand-valve-extracting means for oil-. D. E. Norris. No. 1,282,921; Oct. 29; v. 255; p. 893.
Well-rod coupling. A. E. Gilbert. No. 1,255,406; Feb. 5; v. 247; p. 85.
Well-screen. M. E. Layne. No. 1,273,236; July 23; v. 252; p. 781.
Well-screen. H. Rodrigo, Sr. No. 1,256,830; Feb. 19; v. 247; p. 578.
Well screen, Oil-. C. N. Scott. No. 1,272,540; July 16; v. 252; p. 560.
Well-sinking apparatus. M. T. Chapman. No. 1,264,155; Apr. 30; v. 249; p. 996.
Well-sinking apparatus. M. T. Chapman. No. 1,264,156; Apr. 30; v. 249; p. 997.
Well strainer, Oil-. B. A. Hare. No. 1,276,213; Aug. 20; v. 253; p. 580.
Well strainer, Pump-. P. De Chime. No. 1,267,315; May 21; v. 250; p. 734.
Well washer, Hydraulic oil-. A. T. Jergins. No. 1,276,536; Aug. 20; v. 253; p. 670.
Wells, Anchor for tubings for gas-. F. J. Moser. No. 1,283,864; Nov. 5; v. 256; p. 113.
Wells, Antifriction hollow-tube sucker-rod for deep. W. L. Black. No. 1,281,756; Oct. 15; v. 255; p. 507.
Wells, Apparatus employed in the formation of. E. R. Gnade. No. 1,252,426; Jan. 8; v. 246; p. 318.
Wells, Cement-dump bailer for oil-. R. L. Burns and G. I. Keniston. No. 1,275,378; Aug. 13; v. 253; p. 317.
Wells, Cementing. S. L. Kistler. No. 1,269,090; June 11; v. 251; p. 306.
Wells, Device for controlling the flow of fluids from. E. D. Summerrow. No. 1,273,949; July 30; v. 252; p. 1012.
Wells, Device for extracting cores from. R. D. Dodds. No. 1,252,555; Jan. 8; v. 246; p. 357.
Wells, Device for use in oil and gas. W. S. Pierce. No. 1,273,663; July 23; v. 252; p. 896.
Wells, Electric heater for oil-. C. A. Neal. No. 1,264,119; Apr. 23; v. 249; p. 953.
Wells, Jet-lift for. D. Kemble. No. 1,258,418; Mar. 5; v. 248; p. 137.
Wells, Measure for oil-. R. B. Richardson. No. 1,267,271; May 21; v. 250; p. 723.
Wells, Method and apparatus for controlling and pumping oil-. R. Stirling. No. 1,279,783; Sept. 24; v. 254; p. 746.
Wells, Process and apparatus for increasing the production of oil-. I. L. Dunn. No. 1,252,557; Jan. 8; v. 246; p. 357.
Wells, Sand-bailer for. G. F. Bell. No. 1,257,176; Feb. 19; v. 247; p. 679.
Wells, Separator for. O. A. Layne. No. 1,268,366; June 4; v. 251; p. 84.
Wells, Separator for. J. K. Putnam. No. 1,279,758; Sept. 24; v. 254; p. 738.
Wells, Tool for cutting and removing pipe from. G. Kammerer. No. 1,277,600; Sept. 3; v. 254; p. 74.
Wells, Tool for unscrewing pipe-joints from. J. R. Matula. No. 1,277,624; Sept. 3; v. 254; p. 81.
Wells, Underreamer for drilling oil-. W. P. Reeves. No. 1,283,559; Nov. 5; v. 256; p. 31.
Wells, Universal reamer for oil-. A. W. Stubbs and W. J. Hogue. No. 1,282,976; Oct. 29; v. 255; p. 909.
Wells, Wire-line pumping outfit for oil-. J. R. Kirley and H. B. Walker. No. 1,266,817; May 21; v. 250; p. 597.
Welt-attaching machine. F. E. Bailey. No. 1,282,726; Oct. 29; v. 255; p. 838.
Welt grooving and beveling machine. J. A. Mackey. No. 1,286,696; Dec. 3; v. 257; p. 124.
Welt-making machine. J. E. Lucas. No. 1,278,956; Sept. 17; v. 254; p. 495.
Welt-slitting machine. C. C. Blake. No. 1,267,843; May 28; v. 250; p. 911.
Welting. J. A. Brogan. No. 1,278,844; Sept. 17; v. 254; p. 464.
Wet-machine. H. A. Constantine. No. 1,275,394; Aug. 13; v. 253; p. 321.
Wheat and other grains, Treating. A. C. Von Hagen. No. 1,265,700; May 7; v. 250; p. 224.
Wheat distributer, Poison-. A. H. Goodman. No. 1,270,510; June 25; v. 251; p. 753.
Wheat-heater. C. W. Carter. No. 1,286,226; Dec. 3; v. 257; p. 11.
Wheat-heater. A. T. Fay. No. 1,258,326; Mar. 5; v. 248; p. 109.
Wheat-heater. A. T. Fay. No. 1,283,486; Nov. 5; v. 256; p. 13.
Wheat scalping and conditioning machine. J. H. Heishman. No. 1,254,008; Jan. 15; v. 246; p. 807.
Wheel: *See*—
Amusement or pleasure wheel.
Automobile-wheel.
Automobile cushion-wheel.
Automobile-driven steering-wheel.
Automobile spring-wheel.
Auxiliary wheel.
Burnishing-wheel.
Car-wheel.
Caster-wheel.
Cushion-wheel.
Cushioned wheel.
Cushioned shockless wheel.
Demountable wheel.
Detachable wheel.
Disk wheel.
Drive-wheel.
Driving and steering wheel.
Elastic wheel.
Fan-wheel.
Fifth-wheel.
Flexible gear-wheel.
Fly-wheel.
Friction-wheel.
Galloping-wheel.
Gear-wheel.
Metal wheel.
Metallic wheel.
Metallic vehicle-wheel.
Motor-wheel.
Motor-cycle wheel.
Oiling-wheel.
Pitman-wheel.
Platform-track wheel.
Pneumatic wheel.
Pulley and like wheel.
Resilient wheel.
Resilient gear-wheel.
Resilient ground-wheel.
Resilient vehicle-wheel.
Roller-bearing wheel.
Sectional wheel.
Sheet-iron wheel.
Speed wind-wheel.
Spring-wheel.
Spring-cushion-tired wheel.
Spring-tired wheel.
Sprocket-wheel.
Steel wheel.
Steel vehicle-wheel.
Steering-wheel.
Toy-vehicle wheel.
Toy wheel.
Traction-wheel.
Tractor-wheel.
Tractor drive-wheel.
Trolley-wheel.
Truck-wheel.
Turbine-wheel.
Vehicle-wheel.
Vehicle interchangeable wheel.
Vehicle resilient wheel.
Water-wheel.
Wire wheel.
Wire-spoke wheel.
Wheel. J. Bober. No. 1,285,003; Nov. 19; v. 256; p. 472.
Wheel. R. J. Burrows and E. B. Ross. No. 1,265,740; May 14; v. 250; p. 267.
Wheel. R. J. Burrows and E. B. Ross. No. 1,265,741; May 14; v. 250; p. 268.
Wheel. W. H. Coldwell. No. 1,286,536; Dec. 3; v. 257; p. 87.
Wheel. F. F. Davidson. No. 1,261,908; Apr. 9; v. 249; p. 290.
Wheel. A. M. Doerfler. No. 1,270,022; June 18; v. 251; p. 594.
Wheel. J. A. Galvin. No. 1,270,252; June 18; v. 251; p. 654.
Wheel. R. R. Griffith. No. 1,268,241; June 4; v. 251; p. 48.
Wheel. W. H. Hayter. No. 1,280,999; Oct. 8; v. 255; p. 269.
Wheel. C. Howard and H. Lawson. No. 1,253,975; Jan. 15; v. 246; p. 796.
Wheel. I. Johnson. No. 1,276,371; Aug. 20; v. 253; p. 623.
Wheel. E. B. Killen. No. 1,257,489; Feb. 26; v. 247; p. 806.
Wheel. E. B. Killen. No. 1,281,170; Oct. 8; v. 255; p. 318.
Wheel. A. L. Knauss. No. 1,266,025; May 14; v. 250; p. 347.
Wheel. A. M. Leoni. No. 1,266,603; May 21; v. 250; p. 536.
Wheel. E. B. Mead. No. 1,281,188; Oct. 8; v. 255; p. 322.
Wheel. E. B. Mead. No. 1,286,893; Dec. 3; v. 257; p. 168.
Wheel. B. B. Neuteboom. No. 1,255,554; Feb. 5; v. 247; p. 128.
Wheel. S. Olszewski. No. 1,283,877; Nov. 5; v. 256; p. 117.
Wheel. L. H. Perlman. No. 1,261,605; Apr. 2; v. 249; p. 173.
Wheel. L. H. Perlman. No. 1,262,089; Apr. 9; v. 249; p. 338.
Wheel. L. H. Perlman. No. 1,265,951; May 14; v. 250; p. 328.
Wheel. L. H. Perlman. No. 1,270,435; June 25; v. 251; p. 732.
Wheel. L. H. Perlman. No. 1,271,936; July 9; v. 252; p. 363.
Wheel. L. H. Perlman. No. 1,287,418; Dec. 10; v. 257; p. 340.
Wheel. M. F. Schoenberger. No. 1,256,598; Feb. 19; v. 247; p. 510.
Wheel. W. Seidel. No. 1,289,936; Dec. 31; v. 257; p. 1040.
Wheel. J. H. Spangler. No. 1,264,988; May 7; v. 250; p. 32.
Wheel. J. F. Taylor. No. 1,288,285; Dec. 17; v. 257; p. 584.
Wheel. C. Von Allmen. No. 1,254,178; Jan. 22; v. 246; p. 876.
Wheel. R. C. Wall. No. 1,274,472; Aug. 6; v. 253; p. 38.
Wheel-alining gage. C. L. Bowden. No. 1,265,599; May 7; v. 250; p. 197.

Wheel and its manufacture. S. G. Malby. No. 1,255,195; Feb. 5; v. 247; p. 24.
Wheel and making the same. C. M. Haynes. No. 1,269,179; June 11; v. 251; p. 330.
Wheel antislip device. S. T. Buchanan and H. T. Porter. No. 1,283,396; Oct. 29; v. 255; p. 1021.
Wheel attachment. J. Frieman. No. 1,287,279; Dec. 10; v. 257; p. 306.
Wheel attachment, Vehicle-. H. Wilbert. No. 1,276,468; Aug. 20; v. 253; p. 651.
Wheel-brake. N. M. Elie. No. 1,263,872; Apr. 23; v. 249; p. 886.
Wheel-center. C. E. Holliday. No. 1,289,461; Dec. 31; v. 257; p. 924.
Wheel-chain-tightening tool. A. R. Pool. No. 1,254,934; Jan. 29; v. 246; p. 1126.
Wheel construction, Fifth-. C. C. Keesler. No. 1,288,425; Dec. 17; v. 257; p. 616.
Wheel device, Auto-. W. S. Riley. No. 1,267,455; May 28; v. 250; p. 801.
Wheel device, Free-. F. S. Ellett. No. 1,252,893; Jan. 8; v. 246; p. 452.
Wheel-dresser. W. E. Ross. No. 1,256,167; Feb. 12; v. 247; p. 348.
Wheel-dressing device. C. G. Olson. No. 1,266,707; May 21; v. 250; p. 567.
Wheel-drive. M. Zimmerman. No. 1,288,789; Dec. 24; v. 257; p. 734.
Wheel drive mechanism, Front-. T. V. Marling. No. 1,289,851; Dec. 31; v. 257; p. 1019.
Wheel equipment, Resilient cushioning. J. S. Williams. No. 1,276,148; Aug. 20; v. 253; p. 561.
Wheel equipment, Resilient cushioning. J. S. Williams. No. 1,276,149; Aug. 20; v. 253; p. 562.
Wheel for valves and the like. J. P. Wall. No. 1,272,738; July 16; v. 252; p. 618.
Wheel-guard. S. N. Canfield. No. 1,279,982; Sept. 24; v. 254; p. 802.
Wheel-guard. L. H. Paddock. No. 1,279,417; Sept. 17; v. 254; p. 618.
Wheel-guard. W. E. Tookey. No. 1,283,428; Oct. 29; v. 255; p. 1028.
Wheel-hub. P. Montucchiaro. No. 1,286,713; Dec. 3; v. 257; p. 127.
Wheel-locking device, Demountaole-. C. Booth. No. 1,273,320; July 23; v. 252; p. 802.
Wheel-locking device, Demountable-vehicle-. A. Paulson. No. 1,259,438; ; Mar. 12; v. 248; p. 468.
Wheel, Metallic. M. Bauhem. No. 1,256,640; Feb. 19; v. 247; p. 523.
Wheel-moistening attachment. O. Bartlett. No. 1,281,896; Oct. 15; v. 255; p. 545.
Wheel-mounting. W. H. Coldwell. No. 1,279,268; Sept. 17; v. 254; p. 577.
Wheel-mounting. E. J. Weston, Jr. No. 1,256,963; Feb. 19; v. 247; p. 618.
Wheel mud-guard, Vehicle-. C. Guise and T. J. Southall. No. 1,266,120; May 14; v. 250; p. 375.
Wheel-press attachment. J. S. Gorman. No. 1,282,812; Oct. 29; v. 255; p. 863.
Wheel-pulier. E. D. Goddard. No. 1,260,369; Mai 26; v. 248; p. 801.
Wheel-puller. J. Neumaier. No. 1,258,699; Mar. 12; v. 248; p. 257.
Wheel-pulling jack. L. Berk. No. 1,257,786; Feb. 26; v. 247; p. 894.
Wheel-rim. E. S. Beeman. No. 1,286,206; Dec. 3; v. 257; p. 6.
Wheel-rim. J. W. Cordell. No. 1,252,886; Jan. 8; v. 246; p. 450.
Wheel-rim. F. L. Darling. No. 1,280,176; Oct. 1; v. 255; p. 16.
Wheel-rim. F. L. Darling. No. 1,288,528; Dec. 24; v. 257; p. 671.
Wheel-rim. J. E. Montgomery. No. 1,253,866; Jan. 15; v. 246; p. 767.
Wheel-rim. H. Raflovich. No. 1,271,222; July 2; v. 252; p. 133.
Wheel-rim. G. H. Reed. No. 1,259,284; Mar. 12; v. 248; p. 423.
Wheel-rim. M. G. Tennent. No. 1,269,879; June 18; v. 251; p. 557.
Wheel-rim. W. S. Watson. No. 1,259,814; Mar. 19; v. 248; p. 607.
Wheel-rim. B. A. Weinberg. No. 1,283,608; Nov. 5; v. 256; p. 44.
Wheel-rim. J. D. Williamson. No. 1,279,199; Sept. 17; v. 254; p. 558.
Wheel rim and tire construction. H. Raflovich. No. 1,252,839; Jan. 8; v. 246; p. 437.
Wheel rim, Automobile-. E. H. Davis. No. 1,265,062; May 7; v. 250; p. 53.
Wheel-rim, Demountable. Z. C. Angevine. No. 1,281,264; Oct. 15; v. 255; p. 374.
Wheel-rim, Demountable. J. A. Brown. No. 1,284,229; Nov. 12; v. 256; p. 236.
Wheel-rim, Demountable. H. D. Estes and W. H. Parks. No. 1,274,863; Aug. 6; v. 253; p. 149.
Wheel-rim, Demountable. B. B. Leustig. No. 1,272,467; July 16; v. 252; p. 540.
Wheel-rim, Demountable. W. M. Wirth. No. 1,268,526; June 4; v. 251; p. 130.
Wheel-rim, Demountable. T. S. York. No. 1,268,798; June 4; v. 251; p. 207.
Wheel rim, Demountable and separable vehicle-. H. Mote. No. 1,264,542; Apr. 30; v. 249; p. 1106.
Wheel-rim, Detachable. O. E. Edstrom. No. 1,286,173; Nov. 26; v. 256; p. 804.
Wheel-rim, Expansible. J. H. M. Michon. No. 1,278,367; Sept. 10; v. 254; p. 307.
Wheel-rim lock, Demountable-. W. W. Weidman and H. A. Bever. No. 1,277,671; Sept. 3; v. 254; p. 94.
Wheel-rim remover. J. H. Armstrong. No. 1,274,494; Aug. 6; v. 253; p. 44.
Wheel-rim, Reversible. S. M. Beery. No. 1,252,077; Jan. 1; v. 246; p. 187.
Wheel-rim scraper, Vehicle-. J. D. Hill. No. 1,259,865; Mar. 19; v. 248; p. 622.
Wheel-rim, Sectional. L. W. Close. No. 1,254,120; Jan.
Wheel-rim, Sectional. C. S. Johnston. No. 1,274,274; July 30; v. 252; p. 1102.
Wheel-rim, Supplemental. H. B. Foley. No. 1,278,624; Sept. 10; v. 254; p. 375.
Wheel rim, Tractor-. V. E. Thomas. No. 1,258,501; Mar. 5; v. 248; p. 160.
Wheel rim, Vehicle-. R. S. Bryant. No. 1,268,210; June 4; v. 251; p. 40.
Wheel rim, Vehicle-. R. S. Bryant. No. 1,268,211; June 4; v. 251; p. 40.
Wheel rim, Vehicle-. R. S. Bryant. No. 1,278,430; Sept. 10; v. 254; p. 322.
Wheel rim, Vehicle-. R. S. Bryant. No. 1,288,823; Dec. 24; v. 257; p. 742.
Wheel rim, Vehicle-. J. D. Handbury. No. 1,272,429; July 16; v. 252; p. 530.
Wheel rim, Vehicle-. J. C. Manternach. No. 1,288,950; Dec. 24; v. 257; p. 773.
Wheel rim, Vehicle-. S. Winscott. No. 1,253,325; Jan. 15; v. 246; p. 610.
Wheel rim, Vehicle-. J. H. Wagenhorst. No. 1,275,109; Aug. 6; v. 253; p. 217.
Wheel-scraper. C. C. Madison. No. 1,258,349; Mar. 5; v. 248; p. 115.
22; v. 246; p. 860.
Wheel spoke and rim repairer. W. A. Wright. No. 1,277,282; Aug. 27; v. 253; p. 905.
Wheel structure. M. Boyer. No. 1,256,653; Feb. 19; v. 247; p. 526.
Wheel structure. F. Taylor. No. 1,262,138; Apr. 9; v. 249; p. 353.
Wheel support, Spare-. G. M. Walker. No. 1,251,713; Jan. 1; v. 246; p. 81.
Wheel teeth, Cutting bevel-. S. Sunderland and A. M. Midgley. No. 1,286,832; Dec. 3; v. 257; p. 154.
Wheel-tread. W. F. Doherty, Jr. No. 1,279,294; Sept. 17; v. 254; p. 584.
Wheel-tread attachment, Vehicle-. F. W. Hottenroth. No. 1,269,446; June 11; v. 251; p. 403.
Wheel tread-shoe, Vehicle-. E. Mueller. No. 1,257,379; Feb. 26; v. 247; p. 773.
Wheel tread, Tractor-. R. B. Fageol and C. A. Smith. No. 1,268,445; June 4; v. 251; p. 108.
Wheel-truing device. E. R. McLucas. No. 1,272,976; July 16; v. 252; p. 685.
Wheels, Adjusting wire spokes of wire-spoked. E. G. Budd. No. 1,279,247; Sept. 17; v. 254; p. 571.
Wheels, Antislip device for vehicle-. C. W. Hodges. No. 1,285,179; Nov. 19; v. 256; p. 517.
Wheels, Brake-drum for. W. J. P. Moore. No. 1,274,185; July 30; v. 252; p. 1077.
Wheels, Demountable rim for vehicle-. H. R. Hoyt. No. 1,257,606; Feb. 26; v. 247; p. 842.
Wheels, Forming metallic. A. L. Putnam. No. 1,253,419; Jan. 15; v. 246; p. 641.
Wheels, Forming rims for steering-. C. W. Beck. No. 1,262,797; Apr. 16; v. 249; p. 568.
Wheels from shafts, Device for removing. G. Thurmes. No. 1,254,377; Jan. 22; v. 246; p. 933.
Wheels, Lug-fastener for traction-. J. L. Adams. No. 1,280,360; Oct. 1; v. 255; p. 69.
Wheels, Making. W. J. P. Moore. No. 1,266,844; May 21; v. 250; p. 604.
Wheels, Making vehicle-. H. B. Coats. No. 1,257,318; Feb. 26; v. 247; p. 757.
Wheels, Manufacturing elastic helical gear-. C. Steenstrup. No. 1,280,892; Oct. 8; v. 255; p. 242.
Wheels, Manufacturing elastic helical gear-. C. Steenstrup. No. 1,280,893; Oct. 8; v. 255; p. 242.
Wheels of motor-vehicles, Support or holder for detachable. T. P. Barnes. No. 1,257,666; Feb. 26; v. 247; p. 858.
Wheels, Spring-frame for vehicle-. J. Pronovost. No. 1,271,360; July 2; v. 252; p. 170.
Wheels, Spring-tread for. E. O'Connor. No. 1,286,729; Dec. 3; v. 257; p. 131.
Wheels, Support for light cutting-. C. A. Pfanstiehl. No. 1,266,310; May 14; v. 250; p. 426.
Wheels to shafts, Means for detachably securing gear-. G. F. Crippen. No. 1,262,924; Apr. 16; v. 249; p. 604.
Wheels, Traction device for vehicle-. L. Berg. No. 1,275,369; Aug. 13; v. 253; p. 314.
Wheels, Traction device for vehicle-. J. B. Smith and P. Druskella. No. 1,262,118; Apr. 9; v. 249; p. 347.

Wheels, Traction-tread device for tractor-. H. C. Waite. No. 1,268,517; June 4; v. 251; p. 127.
Wheels, Tread attachment for vehicle-. J. C. Morgan. No. 1,283,419; Oct. 29; v. 255; p. 1026.
Wheeled chair. F. M. Wolff. No. 1,259,064; Mar. 12; v. 248; p. 363.
Wheeled machine. A. Altenberg. No. 1,273,985; July 30; v. 252; p. 1021.
Wheeler and shank-iron, Combined. C. G. Wolentarsky. No. 1,259,949; Mar. 19; v. 248; p. 648.
Wheelbarrow. R. W. Bayley. No. 1,255,128; Feb. 5; v. 247; p. 5.
Wheelbarrow. P. D. Hoe. No. 1,261,532; Apr. 2; v. 249; p. 153.
Wheelbarrow-runner. M. V. Christensen. No. 1,270,495; June 25; v. 251; p. 749.
Whip-socket and rein-holder, Combined. R. M. Mansager. No. 1,276,940; Aug. 27; v. 253; p. 814.
Whip-socket lock. E. Kurth. No. 1,253,256; Jan. 15; v. 246; p. 590.
Whip-socket lock. E. Kurth. No. 1,253,257; Jan. 15; v. 246; p. 590.
Whistle. J. J. Aull. No. 1,288,798; Dec. 24; v. 257; p. 736.
Whistle. J. J. Curtis. No. 1,283,683; Nov. 5; v. 256; p. 64.
Whistle. C. W. Lund. No. 1,272,822; July 16; v. 252; p. 642.
Whistle. E. G. Raff. No. 1,289,541; Dec. 31; v. 257; p. 944.
Whistle. C. B. Worcester. No. 1,258,077; Mar. 5; v. 248; p. 37.
Whistle, Exhaust-operated. E. G. Raff. No. 1,289,540; Dec. 31; v. 257; p. 943.
Whiting, Making a substitute for. H. B. Kipper. No. 1,264,092; Apr. 23; v. 249; p. 947.
Wick-carrier. F. W. Spangler and C. W. Davis. No. 1,285,445; Nov. 19; v. 256; p. 584.
Wick-coupling. A. Steup. No. 1,274,626; Aug. 6; v. 253; p. 83.
Wick-holder. C. Munzner. No. 1,254,342; Jan. 22; v. 246; p. 923.
Wick-stop. L. S. Chadwick. No. 1,258,395; Mar. 5; v. 248; p. 130.
Wick support, Candle-. A. G. Bulle. No. 1,267,968; May 28; v. 250; p. 945.
Winch. L. G. Howlett. No. 1,274,549; Aug. 6; v. 253; p. 60.
Winch. M. B. Wild. No. 1,281,732; Oct. 15; v. 255; p. 500.
Winch for automobile-trucks, Power-. B. Faisst. No. 1,269,804; June 18; v. 251; p. 536.
Winch, Portable. J. R. Freeman. No. 1,270,809; July 2; v. 252; p. 15.
Winch specially applicable as an ash-hoist, Electrically-operated. G. F. D. Campbell. No. 1,264,894; May 7; v. 250; p. 6.
Winch, Variable-speed. E. R. Evans. No. 1,272,785; July 16; v. 252; p. 631.
Wind-motor. C. O. Blake. No. 1,277,181; Aug. 27; v. 253; p. 880.
Wind-motor. W. F. Folmer. No. 1,270,803; July 2; v. 252; p. 13.
Wind-power motor. M. A. Mulrony. No. 1,266,518; May 14; v. 250; p. 482.
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Window-screen. M. H. Milman. No. 1,265,477; May 7; v. 250; p. 166.
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Window-screen. E. E. Pedo. No. 1,270,656; June 25; v. 251; p. 792.
Window-screen. J. Petro. No. 1,274,768; Aug. 6; v. 253; p. 122.
Window-screen. J. H. Pohl. No. 1,278,745; Sept. 10; v. 254; p. 707.
Window-screen. W. S. Price. No. 1,251,823; Jan. 1; v. 246; p. 116.
Window-screen. F. E. Smith. No. 1,262,116; Apr. 9; v. 249; p. 347.
Window-screen. A. C. Soule. No. 1,256,838; Feb. 19; v. 247; p. 580.
Window-screen. A. C. Soule. No. 1,263,617; Apr. 23; v. 249; p. 818.
Window-screen. F. A. Swanson. No. 1,287,135; Dec. 10; v. 257; p. 269.
Window-screen. D. H. Wertz. No. 1,279,625; Sept. 24; v. 254; p. 700.
Window-screen. A. W. Wise. No. 1,277,807; Sept. 3; v. 254; p. 132.
Window-screen, Adjustable. D. N. Humphrey. No. 1,260,385; Mar. 26; v. 248; p. 806.
Window-screen, Adjustable. J. Kalmanowitz. No. 1,272,271; July 9; v. 252; p. 459.
Window-screen, Adjustable. E. T. Lark. No. 1,263,329; Apr. 16; v. 249; p. 716.
Window-screen, Adjustable. C. V. Stewart. No. 1,257,147; Feb. 19; v. 247; p. 670.
Window-screen, Automatic. H. Freund. No. 1,257,074; Feb. 19; v. 247; p. 650.
Window-screen, Automatic. R. H. Powers. No. 1,263,285; Apr. 16; v. 249; p. 704.
Window-screen, Curtain. J. A. Terry and N. H. Nelson. No. 1,260,831; Mar. 26; v. 248; p. 935.
Window-screen for swinging sashes. W. Bayley. No. 1,273,133; July 23; v. 252; p. 753.
Window-screen guide. D. O'Neill. No. 1,259,549; Mar. 19; v. 248; p. 532.
Window screen, Pocket-. E. H. Lunken. No. 1,259,115; Mar. 12; v. 248; p. 377.
Window-screen, Pocket. E. H. Lunken. No. 1,285,754; Nov. 26; v. 256; p. 700.
Window screen, Revolving. H. Higgin and C. Traut. No. 1,273,221; July 23; v. 252; p. 777.
Window-screen, Rolling. O. N. Owen. No. 1,280,285; Oct. 1; v. 255; p. 47.
Window-screen supporter. E. H. Jourdan and W. M. Young. No. 1,263,066; Apr. 16; v. 249; p. 645.
Window-seat. L. and J. Beranek. No. 1,252,386; Jan. 8; v. 246; p. 306.
Window-seat. J. E. Burns. No. 1,274,000; July 30; v. 252; p. 1025.
Window-seat. H. C. Tanabe. No. 1,280,581; Oct. 1; v. 255; p. 129.
Window, Self-closing. E. R. Leonard. No. 1,256,335; Feb. 12; v. 247; p. 398.
Window-shield. W. A. Klingberg. No. 1,279,879; Sept. 24; v. 254; p. 774.
Window-steadying device. J. T. Allmand. No. 1,287,606; Dec. 17; v. 257; p. 415.
Window, Storm-. G. I. Paige. No. 1,287,409; Dec. 10; v. 257; p. 337.
Window, Storm-. G. B. Smith. No. 1,270,227; June 18; v. 251; p. 647.
Window-ventilator. E. M. Birkes. No. 1,252,770; Jan. 8; v. 246; p. 419.
Window-ventilator. O. A. Hallis. No. 1,259,236; Mar. 12; v. 248; p. 410.
Window-ventilator. B. D. Heller. No. 1,287,306; Dec. 10; v. 257; p. 312.
Window-ventilator. O. B. Sabel. No. 1,269,314; June 11; v. 251; p. 370.
Window-ventilator. A. W. Simonson. No. 1,256,836; Feb. 19; v. 247; p. 580.

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Window-ventilator. L. W. Wanemaker. No. 1,261,196; Apr. 2; v. 249; p. 58.
Window ventilator and screen, Combined. G. W. Stein. No. 1,273,288; July 23; v. 252; p. 794.
Window washer and wiper. J. G. Randall. No. 1,274,445; Aug. 6; v. 253; p. 30.
Window-washer's safety device. G. F. Minnis. No. 1,284,128; Nov. 5; v. 256; p.183.
Window-washing device. G. Bertolini and T. Cappelletti. No. 1,259,479; Mar. 19; v. 248; p. 512.
Windows and the like, Mounting for folding. W. A. Schoening and J. Pachynski. No. 1,272,864; July 16; v. 252; p. 654.
Windows, Automatic locking device for fire-. R. S. Drummond. No. 1,288,532; Dec. 24; v. 257; p. 672.
Windows, Combination stop and weight-guide for. E. E. Ethridge. No. 1,287,657; Dec. 17; v. 257; p. 429.
Windows, Mounting for French. J. C. Plummer. No. 1,278,502; Sept. 10; v. 254; p. 341.
Windows, Screen device for pocket-. E. H. Lunken. No. 1,259,113; Mar. 12; v. 248; p. 377.
Windows, Screening device for pocket-. E. H. Lunken. No. 1,259,114; Mar. 12; v. 248; p. 377.
Wine and making same, Non-alcoholic. J. Russell. No. 1,264,564; Apr. 30; v. 249; p. 1113.
Wing-operating mechanism. G. R. Van Auken. No. 1,284,825; Nov. 12; v. 256; p. 387.
Wiping mechanism. A. Perri. No. 1,260,033; Mar. 19; v. 248; p. 673.
Wire-basket attachment. W. F. Lindner. No. 1,282,094; Oct. 22; v. 255; p. 638.
Wire bending and forming machine. H. W. Bloemker. No. 1,282,530; Oct. 22; v. 255; p. 757.
Wire-bending device. M. D. Kilmer. No. 1,261,550; Apr. 2; v. 249; p. 159.
Wire-bending machine. C. C. Seley. No. 1,257,748; Feb. 26; v. 247; p. 883.
Wire-bending machine. J. Winsor. No. 1,273,020; July 16; v. 252; p. 697.
Wire-binder. E. H. Kerns. No. 1,261,036; Apr. 2; v. 249; p. 14.
Wire-bound box. O. M. Fowler. No. 1,284,639; Nov. 12; v. 256; p. 340.
Wire-bound box. A. M. Hood. No. 1,284,898; Nov. 12; v. 256; p. 407.
Wire-bound box and manufacture thereof. J. J. Miller. No. 1,262,688; Apr. 16; v. 249; p. 536.
Wire cables, Socket and sheath connection for. C. J. Cooper. No. 1,254,027; Jan. 22; v. 246; p. 832.
Wire-clamp. F. E. Beazell. No. 1,273,809; July 30; v. 252; p. 971.
Wire-clamp. T. R. Brumfield. No. 1,289,380; Dec. 31; v. 257; p. 903.
Wire-clamp. G. W. Henry. No. 1,286,624; Dec. 3; v. 257; p. 108.
Wire-clamp. G. B. Lewis. No. 1,268,478; June 4; v. 251; p. 117.
Wire-clamp. H. J. Roggenkamp. No. 1,265,817; May 14; v. 250; p. 289.
Wire click-spring and fastening-rivet therefor. F. Wehinger. No. 1,254,747; Jan. 29; v. 246; p. 1069.
Wire-cloth. J. C. Campbell. No. 1,288,504; Dec. 24; v. 257; p. 663.
Wire-coil-supply reel. F. H. Sleeper. No. 1,287,776; Dec. 17; v. 257; p. 459.
Wire coiling and cutting machine. E. W. Hart. No. 1,288,576; Dec. 24; v. 257; p. 682.
Wire coiling and cutting machine. S. P. Smurr. No. 1,262,120; Apr. 9; v. 249; p. 348.
Wire-coiling mechanism. C. A. Porath. No. 1,260,799; Mar. 26; v. 248; p. 926.
Wire compression-clamp for tubing and the like. A. J. Frey. No. 1,275,898; Aug. 13; v. 253; p. 460.
Wire-connecting device. E. W. Scarborough and E. W. Fletcher. No. 1,255,233; Feb. 5; v. 247; p. 33.
Wire connector, Line-. J. C. and M. H. Keenan. No. 1,276,228; Aug. 20; v. 253; p. 583.
Wire conveyer, Woven-. O. H. Buck. No. 1,262,745; Apr. 16; v. 249; p. 553.
Wire-covering machine. R. P. Jackson. No. 1,258,008; Mar. 5; v. 248; p. 17.
Wire-cutter. A. Bergner. No. 1,252,537; Jan. 8; v. 246; p. 351.
Wire-cutter. C. Biernat. No. 1,280,645; Oct. 8; v. 255; p. 173.
Wire-cutter. G. F. Bull and E. W. Starkey. No. 1,266,398; May 14; v. 250; p. 449.
Wire-cutter. P. Ciolkosz. No. 1,280,398; Oct. 1; v. 255; p. 79.
Wire-cutter. M. Koszhowski. No. 1,289,196; Dec. 31; v. 257; p. 857.
Wire-cutter. J. Kownaczki. No. 1,276,080; Aug. 20; v. 253; p. 542.
Wire-cutter. L. Lewandowski. No. 1,283,824; Nov. 5; v. 256; p. 101.
Wire-cutter. W. T. O'Neill. No. 1,253,627; Jan. 15; v. 246; p. 698.
Wire-cutter. T. Stankewisz. No. 1,273,287; July 23; v. 252; p. 795.
Wire-cutter. J. Worek. No. 1,277,521; Sept. 3; v. 254; p. 52.
Wire-cutter attachment. J. Danhoffer. No. 1,269,790; June 18; v. 251; p. 532.
Wire cutter, stripper, and scraper. E. J. Rohne. No. 1,283,917; Nov. 5; v. 256; p. 126.
Wire-cutting attachment. J. Żukowski. No. 1,273,980; July 30; v. 252; p. 1020.
Wire-cutting bayonet. C. Szafranski. No. 1,266,640; May 21; v. 250; p. 548.
Wire-cutting device. J. Gramza. No. 1,289,159; Dec. 31; v. 257; p. 848.
Wire-cutting machine. C. A. Porath. No. 1,289,259; Dec. 31; v. 257; p. 874.
Wire-cutting scissors. A. Jagielo. No. 1,284,351; Nov. 12; v. 256; p. 269.
Wire-cutting weapon. P. Waziarz. No. 1,282,903; Oct. 29; v. 255; p. 888.
Wire-dipping machine. T. R. Brumfield. No. 1,289,379; Dec. 31; v. 257; p. 903.
Wire-drawing apparatus. J. Herman. No. 1,270,946; July 2; v. 252; p. 54.
Wire-drawing machine. E. H. Carroll. No. 1,265,049; May 7; v. 250; p. 50.
Wire-drawing machine, Multiple-. M. J. A. Vicaire. No. 1,281,439; Oct. 15; v. 255; p. 424.
Wire-drawing machinery, Continuous. J. P. Dooley. No. 1,286,563; Dec. 3; v. 257; p. 93.
Wire-driving tool. L. and E. Strohacker. No. 1,264,993; May 7; v. 250; p. 34.
Wire fabric. J. Hancock. No. 1,272,660; July 16; v. 252; p. 596.
Wire fabric. H. Richardson and W. Lippert. No. 1,261,293; Apr. 2; v. 249; p. 85.
Wire fabric. O. H. Watkins. No. 1,253,652; Jan. 15; v. 246; p. 705.
Wire-fabric machines, Stay-wire spacer for. A. C. Mills. No. 1,282,910; Oct. 29; v. 255; p. 890.
Wire-fabric machines, Tensioning device for. A. C. Mills. No. 1,282,909; Oct. 29; v. 255; p. 889.
Wire-fabric-making machine. J. W. Dwiggins. No. 1,270,129; June 18; v. 251; p. 622.
Wire-feeding mechanism. C. F. Bailey. No. 1,275,984; Aug. 13; v. 253; p. 485.
Wire-feeding mechanism. C. A. Porath. No. 1,258,706; Mar. 12; v. 248; p. 259.
Wire-fence machine. C. B. Anfindsen. No. 1,285,578; Nov. 26; v. 256; p. 656.
Wire fencing, Barbed-. T. L. Sturtevant. No. 1,281,697; Oct. 15; v. 255; p. 491.
Wire-finishing machine, Drop-. E. C. Smith. No. 1,288,245; Dec. 17; v. 257; p. 575.
Wire-formed tubular well-screens, Reinforcing. E. E. Johnson. No. 1,287,031; Dec. 10; v. 257; p. 242.
Wire-forming machine. H. W. Smith. No. 1,267,132; May 21; v. 250; p. 687.
Wire-grip. R. Bahr. No. 1,263,995; Apr. 23; v. 249; p. 921.
Wire grip, Insulated-. F. M. Heinzen. No. 1,253,819; Jan. 15; v. 246; p. 753.
Wire-heading machine. W. H. Sommer. No. 1,287,777; Dec. 17; v. 257; p. 459.
Wire hoops upon pails and like structures, Machine for securing. R. Schleicher. No. 1,289,554; Dec. 31; v. 257; p. 947.
Wire-knot. C. I. Jackson. No. 1,259,869; Mar. 19; v. 248; p. 623.
Wire-laying tool. R. H. Cissna. No. 1,253,467; Jan. 15; v. 246; p. 654.
Wire measuring and cutting machine. E. L. Gale, Sr. No. 1,288,402; Dec. 17; v. 257; p. 611.
Wire-mesh filtering-screen. A. B. Mitchell. No. 1,282,913; Oct. 29; v. 255; p. 890.
Wire-netting machine. M. B. A. Doring. No. 1,259,378; Mar. 12; v. 248; p. 451.
Wire-raiser. P. M. Olson. No. 1,274,756; Aug. 6; v. 253; p. 119.
Wire-reel. P. D. Trudelle. No. 1,254,091; Jan. 22; v. 246; p. 851.
Wire reeling and unreeling apparatus. W. H. Fentress. No. 1,255,872; Feb. 12; v. 247; p. 260.
Wire-rolling machine. B. U. Eddy and C. C. Abbott. No. 1,260,526; Mar. 26; v. 248; p. 847.
Wire rope. C. G. Roebling. No. 1,260,582; Mar. 26; v. 248; p. 864.
Wire-rope clamp. B. M. Mathias. No. 1,261,582; Apr. 2; v. 249; p. 168.
Wire-rope clamp. C. S. Wright. No. 1,251,723; Jan. 1; v. 246; p. 84.
Wire rope, Cutting. W. J. A. Bailey. No. 1,261,892; Apr. 9; v. 249; p. 286.
Wire, Shaping. D. C. Hughes. No. 1,275,926; Aug. 13; v. 253; p. 468.
Wire-spoke wheel. G. P. B. Hoyt. No. 1,289,780; Dec. 31; v. 257; p. 1001.
Wire-stitchers or like machines, Differential motion for. A. H. Maynard. No. 1,255,201; Feb. 5; v. 247; p. 26.
Wire-stretcher. W. B. Belgard. No. 1,267,308; May 21; v. 250; p. 732.
Wire-stretcher. W. A. Campbell. No. 1,273,456; July 23; v. 252; p. 839.
Wire-stretcher. A. J. Gerrard. No. 1,277,305; Aug. 27; v. 253; p. 917.

Wire-stretcher. E. C. Gilbertson. No. 1,269,072; June 11; v. 251; p. 302.
Wire-stretcher. H. L. Gordon. No. 1,271,564; July 9; v. 252; p. 260.
Wire-stretcher. J. F. Hill. No. 1,285,174; Nov. 19; v. 256; p. 515.
Wire-stretcher. W. W. Hoffland. No. 1,287,313; Dec. 10; v. 257; p. 313.
Wire-stretcher. F. Kranz. No. 1,287,050; Dec. 10; v. 257; p. 247.
Wire-stretcher. A. S. Larson. No. 1,268,364; June 4; v. 251; p. 84.
Wire-stretcher. J. J. Larson. No. 1,254,415; Jan. 22; v. 246; p. 943.
Wire-stretcher. C. H. Logan. No. 1,273,889; July 30; v. 252; p. 994.
Wire-stretcher. C. M. Moore. No. 1,261,590; Apr. 2; v. 249; p. 170.
Wire-stretcher. A. D. Morrow. No. 1,256,353; Feb. 12; v. 247; p. 403.
Wire-stretcher. B. G. Moseley. No. 1,285,316; Nov. 19; v. 256; p. 551.
Wire-stretcher. E. H. Moss. No. 1,285,781; Nov. 26; v. 256; p. 708.
Wire-stretcher. J. B. Patterson. No. 1,279,752; Sept. 24; v. 254; p. 736.
Wire-stretcher. T. C. Payne. No. 1,289,252; Dec. 31; v. 257; p. 871.
Wire-stretcher. O. B. Reed. No. 1,276,111; Aug. 20; v. 253; p. 551.
Wire-stretcher. J. Riekens. No. 1,256,927; Feb. 19; v. 247; p. 607.
Wire-stretcher. J. M. Roberts. No. 1,252,953; Jan. 8; v. 246; p. 470.
Wire-stretcher. C. M. Rud. No. 1,259,559; Mar. 19; v. 248; p. 534.
Wire-stretcher. F. Sayre. No. 1,260,716; Mar. 26; v. 248; p. 903.
Wire-stretcher. F. E. Schneider. No. 1,273,676; July 23; v. 252; p. 898.
Wire-stretcher. E. R. Willmer. No. 1,264,357; Apr. 30; v. 249; p. 1053.
Wire-stretcher. F. R. Wyatt. No. 1,264,246; Apr. 30; v. 249; p. 1024.
Wire-stretcher and wagon-jack, Combination. R. M., W. J., and J. Greutmann. No. 1,257,216; Feb. 19; v. 247; p. 691.
Wire-stretcher block. G. W. Sutherland. No. 1,262,403; Apr. 9; v. 249; p. 427.
Wire, Stretcher-clamp for woven. B. H. West. No. 1,252,869; Jan. 8; v. 246; p. 444.
Wire-stretcher, Fourdrinier. A. B. Weissenborn. No. 1,272,586; July 16; v. 252; p. 574.
Wire-stretchers, Detent mechanism for. F. O. Green. No. 1,267,540; May 28; v. 250; p. 825.
Wire stretching and twisting tool. W. B. Ross. No. 1,266,053; May 14; v. 250; p. 355.
Wire-stretching apparatus. O. W. Burnett. No. 1,269,381; June 11; v. 251; p. 388.
Wire-stretching device. A. Johnson. No. 1,277,317; Aug. 27; v. 253; p. 914.
Wire-stretching device. E. C. Schneider. No. 1,289,008; Dec. 24; v. 257; p. 786.
Wire-stringing apparatus. T. Turanycz. No. 1,275,501; Aug. 13; v. 253; p. 349.
Wire-stripping tool. B. J. Chia. No. 1,260,642; Mar. 26; v. 248; p. 882.
Wire-tie and making same. R. M. Mowry. No. 1,272,502; July 16; v. 252; p. 550.
Wire-tie-twisting tool. A. M. Bates. No. 1,284,986; Nov. 19; v. 256; p. 467.
Wire tier, Baling-. S. N. Springer. No. 1,278,051; Sept. 3; v. 254; p. 196.
Wire twisting and joining implement. T. R. Brumfield. No. 1,289,381; Dec. 31; v. 257; p. 903.
Wire-twisting implement. M. A. Kompula. No. 1,252,590; Jan. 8; v. 246; p. 367.
Wire-twisting machine. G. B. Smith. No. 1,257,036; Feb. 19; v. 247; p. 640.
Wire-twisting tool. F. E. Beam. No. 1,284,990; Nov. 19; v. 256; p. 468.
Wire-twisting tool. J. Borbley. No. 1,272,904; July 16; v. 252; p. 666.
Wire-weaving machine. A. L. Kitselman. No. 1,284,905; Nov. 12; v. 256; p. 408.
Wire wheel, Quadruple-laced. E. L. Kinyoun and A. A. Armour. No. 1,281,789; Oct. 15; v. 255; p. 516.
Wire wheel-spokes to metal rims, Device for attaching the ends of. T. E. Murray. No. 1,286,065; Nov. 26; v. 256; p. 778.
Wire-winder. M. N. Schumann. No. 1,276,973; Aug. 27; v. 253; p. 823.
Wire-winding apparatus. C. B. Anfindsen. No. 1,253,330; Jan. 15; v. 246; p. 612.
Wire-winding machine. E. G. Simpson. No. 1,278,043; Sept. 3; v. 254; p. 194.
Wire-working machine. W. H. Sommer. No. 1,264,987; May 7; v. 250; p. 32.
Wire-working tool, Power-operated. A. W. Martin. No. 1,268,139; June 4; v. 251; p. 20.
Wires, Apparatus for producing flashes by the electric volatilization of fusible. J. and P. Courtier. No. 1,274,009; July 30; v. 252; p. 1027.
Wires, Clip for attaching. J. W. Miller. No. 1,284,918; Nov. 12; v. 256; p. 412.
Wires, filaments, and the like, Producing metallic. O. Schaller. No. 1,256,929; Feb. 19; v. 247; p. 608.
Wires from refractory materials, Manufacture of. A. Lederer. No. 1,273,506; July 23; v. 252; p. 853.
Wires, Means for protecting timer-. A. S. King. No. 1,281,172; Oct. 8; v. 255; p. 319.
Wires, Mechanism for installing transmission line-. H. C. Williams. No. 1,265,851; May 14; v. 250; p. 299.
Wires, Suspension means for high-potential. C. H. Thordarson. No. 1,258,722; Mar. 12; v. 248; p. 264.
Wires to pipes, Device for fastening. E. E. Gold. No. 1,265,903; May 14; v. 250; p. 314.
Wireless apparatus and method therefor. W. Dubilier. No. 1,279,850; Sept. 24; v. 254; p. 765.
Wireless apparatus for preventing collisions, Automatic. H. D. Betz. No. 1,266,389; May 14; v. 250; p. 447.
Wireless receptacle. H. T. Paiste. No. 1,253,873; Jan. 15; v. 246; p. 769.
Wireless signal, Automatic. G. Engelbrekt. No. 1,265,633; May 7; v. 250; p. 206.
Wireless signaling apparatus. R. A. Weagant. No. 1,278,535; Sept. 10; v. 254; p. 351.
Wireless signaling apparatus. R. A. Weagant. No. 1,289,981; Dec. 31; v. 257; p. 1051.
Wireless signaling system. I. Langmuir. No. 1,280,768; Oct. 8; v. 255; p. 208.
Wireless telegraphy and telephony. H. Zwaardemaker. No. 1,281,742; Oct. 15; v. 255; p. 503.
Wiring system. H. R. Sargent. No. 1,270,555; June 25; v. 251; p. 766.
Wood and coal heater, Adjustable combined. D. Q. Minar. No. 1,266,138; May 14; v. 250; p. 380.
Wood and other porous materials with preservative liquid, Process and apparatus for impregnating. H. S. Loud. No. 1,253,844; Jan. 15; v. 246; p. 761.
Wood-bending apparatus. F. Schreibman. No. 1,274,459; Aug. 6; v. 253; p. 34.
Wood-carver, Geometric. A. Inglese. No. 1,274,270; July 30; v. 252; p. 1101.
Wood-cutter. S. Webster. No. 1,287,538; Dec. 10; v. 257; p. 367.
Wood-drying machine. A. A. Denton. No. 1,274,860; Aug. 6; v. 253; p. 148.
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Wood-finishing composition. A. H. Klaassen and P. S. Bouwer. No. 1,279,878; Sept. 24; v. 254; p. 774.
Wood-impregnating apparatus. J. H. Parsons. No. 1,257,923; Feb. 26; v. 247; p. 933.
Wood impregnation. G. G. Carver. No. 1,256,200; Feb. 12; v. 247; p. 359.
Wood, &c., Impregnation of. M. Rüping. No. 1,255,340; Feb. 5; v. 247; p. 65.
Wood, Mixture to be applied to. A. P. Gaudette. No. 1,282,806; Oct. 29; v. 255; p. 861.
Wood-preservative and making same. J. A. De Cew. No. 1,283,104; Oct. 29; v. 255; p. 943.
Wood-preservative treatment. J. A. De Cew. No. 1,283,105; Oct. 29; v. 255; p. 943.
Wood, Preserving. W. A. Cecil. No. 1,253,667; Jan. 15; v. 246; p. 710.
Wood, Preserving. O. P. M. Goss. No. 1,252,428; Jan. 8; v. 246; p. 319.
Wood, Preserving. M. Landau. No. 1,274,171; July 30; v. 252; p. 1073.
Wood-preserving composition. F. Peters. No. 1,265,370; May 7; v. 250; p. 137.
Wood-pulp for nitrating or similar purposes, Refining. V. Drewsen. No. 1,283,113; Oct. 29; v. 255; p. 946.
Wood-pulp for nitrating or similar purposes, Refining sulfite. V. Drewsen. No. 1,283,114; Oct. 29; v. 255; p. 946.
Wood-pulp, Producing chemical. J. O. Lundberg. No. 1,257,290; Feb. 19; v. 247; p. 715.
Wood-pulp sulfite plants, Treating liquors from. C. Marchand. No. 1,253,854; Jan. 15; v. 246; p. 765.
Wood-sawing apparatus. J. O. Baker. No. 1,289,604; Dec. 31; v. 257; p. 959.
Wood-soaking tower. O. L. Berger and H. Guettler. No. 1,283,051; Oct. 29; v. 255; p. 929.
Wood-splitting machine. L. S. Taylor. No. 1,278,397; Sept. 10; v. 254; p. 314.
Wood sulfite plants, Treating by-product liquors from. C. Marchand. No. 1,253,853; Jan. 15; v. 246; p. 764.
Wood-treating. R. L. Gilliam. No. 1,283,495; Nov. 5; v. 256; p. 16.
Wood-turning machine. G. A. Ensign and H. D. Traub. No. 1,281,771; Oct. 15; v. 255; p. 510.
Wood-turning machine. L. D. Hambleton. No. 1,286,299; Dec. 3; v. 257; p. 28.
Wooden article, Reinforced. H. R. Allshouse. No. 1,284,207; Nov. 12; v. 256; p. 231.
Wooden parts, Securing. W. T. Donnelly. No. 1,273,588; July 23; v. 252; p. 875.
Wooden parts, Securing. W. T. Donnelly. No. 1,273,771; July 23; v. 252; p. 923.
Woodworking-machine. G. Dickerson and D. Hamilton. No. 1,264,026; Apr. 23; v. 249; p. 929.
Woodworking-machine. J. W. Gray. No. 1,284,092; Nov. 5; v. 256; p. 173.
Woodworking-machine. M. Hutchinson. No. 1,283,196; Oct. 29; v. 255; p. 967.

Woodworking-machine. B. A. Linderman. No. 1,279,559; Sept. 24; v. 254; p. 681.
Wood working-machine. J. S. Mardon and L. D. Fay. No. 1,273,516; July 23; v. 252; p. 855.
Woodworking-machine. K. F. G. Maier. No. 1,276,550; Aug. 20; v. 253; p. 673.
Woodworking-machine. G. E. Maxfield. No. 1,258,924; Mar. 12; v. 248; p. 322.
Woodworking-machine. S. Przepiorka. No. 1,264,332; Apr. 30; v. 249; p. 1046.
Woodworking-machines, Return-feed attachment for. C. A. Daley and J. Lyndale. No. 1,288,845; Dec. 24; v. 257; p. 746.
Woodworking-tool. G. McConnell. No. 1,280,785; Oct. 8; v. 255; p. 213.
Woodworking-tool. G. McConnell. No. 1,280,786; Oct. 8; v. 255; p. 213.
Wool opening, sorting, and cleaning machine. F. Keough. No. 1,259,243; Mar. 12; v. 248; p. 411.
Wool, Process and machine for treating. L. A. Beecher. No. 1,287,834; Dec. 17; v. 257; p. 474.
Wool-pulling machine. O. G. Rieske. No. 1,284,203; Nov. 5; v. 256; p. 202.
Work-bench. H. Ballantyne. No. 1,284,170; Nov. 5; v. 256; p. 193.
Work-bench. P. G. Damstra. No. 1,283,401; Oct. 29; v. 255; p. 1022.
Work-box. B. H. Ayers. No. 1,284,979; Nov. 19; v. 256; p. 465.
Work-clamp. G. A. Bader. No. 1,278,419; Sept. 10; v. 254; p. 319.
Work-clamping mechanism. E. J. Ray. No. 1,265,383; May 7; v. 250; p. 140.
Work handling device and support. E. S. Cronk. No. 1,271,500; July 2; v. 252; p. 208.
Work-holder. H. Otto. No. 1,270,653; June 25; v. 251; p. 792.
Work-holder for machines. B. L. Schmidt. No. 1,265,818; May 14; v. 250; p. 289.
Work-holding arbor. E. Markey. No. 1,285,763; Nov. 26; v. 256; p. 703.
Work-holding clamp. E. J. Ray. No. 1,265,382; May 7; v. 250; p. 140.
Work-holding combination. A. O. Mathison. No. 1,281,624; Oct. 15; v. 255; p. 472.
Work-holding device. E. W. Bemis. No. 1,260,130; Mar. 19; v. 248; p. 697.
Work-holding stand. J. L. Rayman. No. 1,286,408; Dec. 3; v. 257; p. 55.
Work-rest, Auxiliary. E. L. Townsend. No. 1,274,215; July 30; v. 252; p. 1087.
Work-scheduling apparatus. G. H. Radebaugh. No. 1,268,613; June 4; v. 251; p. 155.
Work-separating means. C. D. McDonald. No. 1,252,279; Jan. 1; v. 246; p. 242.
Work-support. C. C. Blake. No. 1,284,864; Nov. 12; v. 256; p. 398.
Work-support. W. H. Borden. No. 1,253,461; Jan. 15; v. 246; p. 652.
Work-support. J. R. Johnson. No. 1,254,044; Jan. 22; v. 246; p. 837.
Work-support-controlling mechanism. L. A. Casgrain. No. 1,279,512; Sept. 24; v. 254; p. 667.
Work-supporting horse. W. F. Jacobs. No. 1,256,235; Feb. 12; v. 247; p. 369.
Work-table. J. Buchheit. No. 1,278,584; Sept. 10; v. 254; p. 364.
Working-bench. J. A. Torp. No. 1,272,151; July 9; v. 252; p. 426.
Workshop-ventilator. W. Dalton. No. 1,287,572; Dec. 10; v. 257; p. 376.
Worm-cutting machine. W. E. Bock. No. 1,275,985; Aug. 13; v. 253; p. 485.
Worm-drive. W. Q. Pfahler. No. 1,273,533; July 23; v. 252; p. 860.
Worm-gear. R. Egg. No. 1,262,932; Apr. 16; v. 249; p. 606.
Worm-grinding machine. M. E. Noyes. No. 1,252,478; Jan. 8; v. 246; p. 334.
Wounded or injured persons, Device for aiding. C. G. Gilberg. No. 1,252,260; Jan. 1; v. 246; p. 236.
Woven carrier. F. R. Batchelder. No. 1,268,787; June 4; v. 251; p. 203.
Woven carrier. V. H. Jennings. No. 1,251,891; Jan. 1; v. 246; p. 134.
Woven carrier. V. H. Jennings. No. 1,252,268; Jan. 1; v. 246; p. 239.
Woven carrier. V. H. Jennings. No. 1,273,790; July 23; v. 252; p. 927.
Woven carrier. V. H. Jennings. No. 1,275,436; Aug. 13; v. 253; p. 332.
Woven carrier. E. A. Sisson. No. 1,286,814; Dec. 3; v. 257; p. 150.
Woven carrier. G. W. Spalding. No. 1,275,489; Aug. 13; v. 253; p. 346.
Woven fabric. J. C. Brooks. No. 1,268,788; June 4; v. 251; p. 203.
Woven wire fabric and manufacturing same. T. H. Wickwire. (Reissue.) No. 14,573; Dec. 17; v. 257; p. 627.
Wrapper. S. S. Grotta. No. 1,275,904; Aug. 13; v. 253; p. 462.
Wrapper. J. J. Lavin. No. 1,264,819; Apr. 30; v. 249; p. 1180.
Wrapper-holder. G. F. Helson. No. 1,271,314; July 2 v. 252; p. 158.
Wrapping and labeling apparatus. C. M. Green. No. 1,280,212; Oct. 1; v. 255; p. 27.
Wrapping and sealing appliance, Hand-operated. H. A. Sévigné. No. 1,259,303; Mar. 12; v. 248; p. 428.
Wrapping and sealing machine. H. L. Johnson. No. 1,266,686; May 21; v. 250; p. 561.
Wrapping-machine. H. Y. Armstrong. No. 1,280,364; Oct. 1; v. 255; p. 70.
Wrapping-machine. T. A. Dicks and I. L. Griffith. No. 1,284,258; Nov. 12; v. 256; p. 244.
Wrapping-machine. H. C. Doolittle. No. 1,276,193; Aug. 20; v. 253; p. 575.
Wrapping-machine. C. T. Drake and J. L. Needham. No. 1,285,646; Nov. 26; v. 256; p. 673.
Wrapping-machine. J. S. Freeman and W. L. Wortham. No. 1,256,122; Feb. 12; v. 247; p. 334.
Wrapping-machine. G. F. Helson. No. 1,255,009; Jan. 29; v. 246; p. 1145.
Wrapping-machine. G. F. Helson. No. 1,255,605; Feb. 5; v. 247; p. 142.
Wrapping-machine. G. F. Helson. No. 1,263,242; Apr. 16; v. 249; p. 693.
Wrapping-machine. H. L. Johnson. No. 1,270,416; June 25; v. 251; p. 726.
Wrapping-machine. A. Mach. No. 1,289,216; Dec. 31; v. 257; p. 862.
Wrapping-machine. W. B. Munn. No. 1,277,743; Sept. 3; v. 254; p. 115.
Wrapping-machine. P. F. Murphy. No. 1,266,705; May 21; v. 250; p. 566.
Wrapping-machine. H. A. Sevigne and F. K. Arnold. No. 1,253,636; Jan. 15; v. 246; p. 701.
Wrapping-machine. E. L. Smith. No. 1,287,124; Dec. 10; v. 257; p. 267.
Wrapping-machine. E. L. Smith and A. E. Phelon. No. 1,269,969; June 18; v. 251; p. 579.
Wrapping-machine. C. B. Whittelsey. No. 1,286,466; Dec. 3; v. 257; p. 69.
Wrapping machine, Bale-. G. W. Prouty. No. 1,253,884; Jan. 15; v. 246; p. 772.
Wrapping machine, Can-. F. H. Knapp and H. G. Dewey. No. 1,282,699; Oct. 22; v. 255; p. 803.
Wrapping machine, Double-wrapper-. F. M. Pierce. No. 1,263,924; Apr. 23; v. 249; p. 902.
Wrapping-machine for round tablets. E. Baumann. No. 1,259,475; Mar. 19; v. 248; p. 511.
Wrapping-tool. W. S. Downing. No. 1,266,002; May 14; v. 250; p. 341.
Wrench: *See*—

Adjustable angle-wrench.	Nut and bolt-holding wrench.
Chain wrench.	Pipe-wrench.
Combination-wrench.	Pipe and nut wrench.
Demountable-rim wrench.	Power-driven wrench.
Hydrant-wrench.	Quick-adjusting wrench.
Monkey-wrench.	Ratchet-wrench.
Multiple-socket wrench.	Socket-wrench.
Nut-lock wrench.	

Wrench. F. R. Allen. No. 1,261,092; Apr. 2; v. 249; p. 29.
Wrench. J. B. Bailey. No. 1,268,538; June 4; v. 251; p. 133.
Wrench. G. Barrall. No. 1,279,827; Sept. 24; v. 254; p. 759.
Wrench. A. Barrett. No. 1,285,899; Nov. 26; v. 256; p. 737.
Wrench. A. H. Bartelt. No. 1,261,006; Apr. 2; v. 249; p. 5.
Wrench. C. H. Bauer. No. 1,282,523; Oct. 22; v. 255; p. 755.
Wrench. A. C. Beadle. No. 1,273,989; July 30; v. 252; p. 1022.
Wrench. C. F. Bloch. No. 1,260,505; Mar. 26; v. 248; p. 841.
Wrench. L. C. Bonelli. No. 1,258,526; Mar. 5; v. 248; p. 168.
Wrench. H. G. Bonney. No. 1,270,484; June 25; v. 251; p. 746.
Wrench. A. Brandetti. No. 1,278,298; Sept. 10; v. 254; p. 288.
Wrench. C. Bubb. No. 1,287,211; Dec. 10; v. 257; p. 289.
Wrench. B. Bundy. No. 1,255,381; Feb. 5; v. 247; p. 78.
Wrench. E. H. Burnson. No. 1,270,263; June 25; v. 251; p. 683.
Wrench. A. G. Carmichael. No. 1,264,895; May 7; v. 250; p. 7.
Wrench. D. J. Carr. No. 1,278,590; Sept. 10; v. 254; p. 366.
Wrench. J. S. Collison and W. A. Wright. No. 1,280,405; Oct. 1; v. 255; p. 81.
Wrench. E. L. Erickson. No. 1,254,587; Jan. 22; v. 246; p. 992.
Wrench. F. Fessler. No. 1,256,216; Feb. 12; v. 247; p. 363.
Wrench. C. M. Foster. No. 1,271,693; July 9; v. 252; p. 297.
Wrench. L. E. Gaisser. No. 1,253,227; Jan. 15; v. 246; p. 581.

Wrench. H. H. Gardner. No. 1,257,077; Feb. 19; v. 247; p. 651.
Wrench. G. Y. Glave. No. 1,280,711; Oct. 8; v. 255; p. 191.
Wrench. W. Hall. No. 1,282,223; Oct. 22; v. 255; p. 674.
Wrench. S. B. Helvik. No. 1,285,699; Nov. 26; v. 256; p. 686.
Wrench. A. E. Holmes. No. 1,276,918; Aug. 27; v. 253; p. 808.
Wrench. H. V. Hughes. No. 1,261,540; Apr. 2; v. 249; p. 156.
Wrench. C. B. Hunter. No. 1,263,250; Apr. 16; v. 249; p. 695.
Wrench. S. Hrysak. No. 1,281,009; Oct. 8; v. 255; p. 27[illegible].
Wrench. L. Isenor. No. 1,280,482; Oct. 1; v. 255; p. 102.
Wrench. A. Jensen. No. 1,264,808; Apr. 30; v. 249; p. 1177.
Wrench. E. Jessen. No. 1,260,676; Mar. 26; v. 248; p. 892.
Wrench. O. A. Johnson. No. 1,269,188; June 11; v. 251; p. 333.
Wrench. R. E. Johnson. No. 1,281,020; Oct. 8; v. 255; p. 275.
Wrench. T. J. Johnson. No. 1,279,349; Sept. 17; v. 254; p. 601.
Wrench. C. G. Keller. No. 1,265,341; May 7; v. 250; p. 128.
Wrench. J. T. Ketcherside. No. 1,260,910; Mar. 26; v. 248; p. 955.
Wrench. H. H. Klingbiel. No. 1,263,435; Apr. 23; v. 249; p. 768.
Wrench. A. M. Lake. No. 1,254,813; Jan. 29; v. 246; p. 1089.
Wrench. H. T. Larsen. No. 1,251,789; Jan. 1; v. 246; p. 104.
Wrench. A. M. Le Pierre. No. 1,286,668; Dec. 3; v. 257; p. 118.
Wrench. H. F. Leitner. No. 1,261,565; Apr. 2; v. 249; p. 164.
Wrench. A. Leo. No. 1,262,682; Apr. 16; v. 249; p. 535.
Wrench. C. M. Ligon. No. 1,274,908; Aug. 6; v. 253; p. 161.
Wrench. T. W. Little. No. 1,271,734; July 9; v. 252; p. 309.
Wrench. J. R. Long. No. 1,265,925; May 14; v. 250; p. 321.
Wrench. W. T. Long. No. 1,270,848; July 2; v. 252; p. 26.
Wrench. A. B. Lord. No. 1,276,236; Aug. 20; v. 253; p. 585.
Wrench. J. H. Lynds. No. 1,284,731; Nov. 12; v. 256; p. 364.
Wrench. D. C. Miller. No. 1,277,103; Aug. 27; v. 253; p. 858.
Wrench. L. J. Miller. No. 1,280,802; Oct. 8; v. 255; p. 217.
Wrench. A. C. Moore and E. L. Ozment. No. 1,260,698; Mar. 26; v. 248; p. 898.
Wrench. A. J. Moore. No. 1,255,206; Feb. 5; v. 247; p. 27.
Wrench. B. P. Moore. No. 1,276,678; Aug. 20; v. 253; p. 708.
Wrench. D. O'Connor. No. 1,288,969; Dec. 24; v. 257; p. 777.
Wrench. J. Pegler. No. 1,280,533; Oct. 1; v. 255; p. 116.
Wrench. R. B. Quinn. No. 1,270,746; June 25; v. 251; p. 815.
Wrench. A. W. Reynolds, Jr. No. 1,271,365; July 2; v. 252; p. 172.
Wrench. J. J. Rhinelander. No. 1,281,837; Oct. 15; v. 255; p. 530.
Wrench. J. T. Richey. No. 1,281,209; Oct. 8; v. 255; p. 329.
Wrench. W. L. Ringling. No. 1,276,071; Aug. 20; v. 253; p. 540.
Wrench. C. Schlayer. No. 1,277,490; Sept. 3; v 254; p. 44.
Wrench. J. G. Schwartz. No. 1,274,337; July 30; v. 252; p. 1118.
Wrench. F. E. Seabolt. No. 1,288,230; Dec. 17; v. 257; p. 571.
Wrench. R. F. Sedgley. No. 1,289,558; Dec. 31; v. 257; p. 947.
Wrench. A. C. Shade. No. 1,289,937; Dec. 31; v. 257; p. 1041.
Wrench. J. W. Shaver. No. 1,283,332; Oct. 29; v. 255; p. 1001.
Wrench. W. Shepherdson. No. 1,266,869; May 21; v. 250; p. 611.
Wrench. A. L. Smart. No. 1,277,268; Aug. 27; v. 253; p. 901.
Wrench. F. Smith. No. 1,284,802; Nov. 12; v. 256; p. 381.
Wrench. L. S. Starrett. No. 1,258,054; Mar. 5; v. 248; p. 30.
Wrench. W. A. Steinmetz. No. 1,251,934; Jan. 1; v. 246; p. 145.
Wrench. M. V. Sutton. No. 1,281,228; Oct. 8; v. 255; p. 333.
Wrench. O. W. Thomas. No. 1,287,798; Dec. 17; v. 257; p. 465.
Wrench. W. I. Tuttle. No. 1,281,438; Oct. 15; v. 255; p. 424.
Wrench. F. M. Van Sickle. No. 1,265,144; May 7; v. 250; p. 76.
Wrench. C. Vincent and A. Fontaine. No. 1,271,811; July 9; v. 252; p. 327.
Wrench. H. Voss. No. 1,281,886; Oct. 15; v. 255; p. 543.
Wrench. J. F. Walsh. No. 1,263,167; Apr. 16; v. 249; p. 674.
Wrench. R. Q. Warren. No. 1,285,850; Nov. 26; v. 256; p. 725.
Wrench. P. G. Watkins. No. 1,284,506; Nov. 12; v. 256; p. 307.
Wrench. L. E. Wegner. No. 1,277,162; Aug. 27; v. 253; p. 875.
Wrench. O. F. Wenzel. No. 1,279,950; Sept. 24; v. 254; p. 794.
Wrench. C. H. Wert. No. 1,271,400; July 2; v. 252; p. 181.
Wrench. A. J. Whitfield. No. 1,258,628; Mar. 5; v. 248; p. 199.
Wrench. H. A. Will. No. 1,287,544; Dec. 10; v. 257; p. 369.
Wrench. S. Williams. No. 1,279,955; Sept. 24; v. 254; p. 795.
Wrench. B. F. Woodward. No. 1,285,541; Nov. 19; v. 256; p. 607.
Wrench. W. J. Wright. No. 1,267,731; May 28; v. 250; p. 878.
Wrench. W. L. Zeller. No. 1,287,564; Dec. 10; v. 257; p. 374.
Wrench device. C. A. Ives. No. 1,281,575; Oct. 15; v. 255; p. 459.
Wrench-plate. B. F. Moore. No. 1,288,961; Dec. 24; v. 257; p. 775.
Wrench-socket. W. S. Bellows. No. 1,282,028; Oct. 22; v. 255; p. 620.
Wrench with universal joint. O. A. Parker. No. 1,276,953; Aug. 27; v. 253; p. 818.
Wrenches, Tool-holding attachment for. W. J. Clooney. No. 1,281,294; Oct. 15; v. 255; p. 383.
Wringer: *See*—
Clothes-wringer. Mop-wringer.
Wringer-operating mechanism. O. H. Watkins. No. 1,289,330; Dec. 31; v. 257; p. 891.
Wringer safety device. J. A. Hicks. No. 1,277,073; Aug. 27; v. 253; p. 850.
Wringer support and gearing. M. Paluska, Jr. No. 1,259,899; Mar. 19; v. 248; p. 632.
Wringers, Automatic pressure-roll release for clothes-. R. P. Wright. No. 1,255,495; Feb. 5; v. 247; p. 110.
Wringers, Driving mechanism for clothes-. J. L. Coffield. No. 1,261,009; Apr. 2; v. 249; p. 5.
Wrist-pin and bearing therefor, Adjustable. W. B. Royer. No. 1,268,282; June 4; v. 251; p. 60.
Writer, Check-. E. H. Cumpston, Jr. No. 1,252,787; Jan. 8; v. 246; p. 423.
Writer, Check-. F. F. Schroder. No. 1,271,231; July 2; v. 252; p. 136.
Writer, Check-. C. M. Tjosvold. No. 1,252,202; Jan. 1; v. 246; p. 221.
Writer, Check-. L. M. Todd. No. 1,255,247; Feb. 5; v. 247; p. 38.
Writing-board. J. J. McDonald. No. 1,284,118; Nov. 5; v. 256; p. 180.
Writing-board for the blind. C. Tanron. No. 1,263,147; Apr. 16; v. 249; p. 668.
Writing Chinese, Apparatus for. H. Chi. No. 1,260,753; Mar. 26; v. 248; p. 914.
Writing device for the blind. J. R. J. Home. No. 1,259,866; Mar. 19; v. 248; p. 622.
Writing implement. F. W. Kuehn. No. 1,270,035; June 18; v. 251; p. 597.
Writing implement. H. J. Meier. No. 1,274,303; July 30; v. 252; p. 1110.
Writing-instrument holder. J. B. Felicetti. No. 1,253,164; Jan. 8; v. 246; p. 534.
Writing-instrument holder. J. B. Felicetti. No. 1,282,559; Oct. 22; v. 255; p. 766.
Writing instrument, Self-filling. J. G. Rider. No. 1,264,684; Apr. 30; v. 249; p. 1145.
Writing kit. W. F. Mahony. No. 1,277,973; Sept. 3; v. 254; p. 176.
Writing-machine. A. B. Edwards and F. A. Feiereisei. No. 1,266,237; May 14; v. 250; p. 408.
Writing machine, Check-. H. J. Plant. No. 1,254,270; Jan. 22; v. 246; p. 902.
Writing machine, Check-. H. C. Welter. No. 1,255,367; Feb. 5; v. 247; p. 73.
Writing machine, Check-. H. C. Welter. No. 1,278,265; Sept. 10; v. 254; p. 279.
Writing machine, Stencil-. P. E. Kvistad. No. 1,256,333; Feb. 12; v. 247; p. 398.
Writing-machines, Carriage mechanism for. O. Thieme. No. 1,256,076; Feb. 12; v. 247; p. 320.
Writing-pad. F. L. Higgins. No. 1,253,970; Jan. 15; v. 246; p. 795.
Writing-sheet and envelop, Combined. W. C. De Wendt. No. 1,271,862; July 9; v. 252; p. 342.

X-ray apparatus. C. E. Campbell. No. 1,274,852; Aug. 6; v. 253; p. 146.
X-ray apparatus. H. C. Snook and G. H. White. No. 1,252,504; Jan. 8; v. 246; p. 341.
X-ray apparatus, Device for operating. W. Kleinberg. No. 1,282,238; Oct. 22; v. 255; p. 679.
X-ray apparatus, Polarity-indicating mechanism for. C. Fayer. No. 1,266,931; May 21; v. 250; p. 629.
X-ray machine, Conducting-rim. H. Barnett. No. 1,287,612; Dec. 17; v. 257; p. 417.
X-ray machine, Cross-bridge. P. Berlin. No. 1,273,812; July 30; v. 252; p. 972.
X-ray-machine stand. J. Zsabka. No. 1,273,308; July 23; v. 252; p. 798.
X-ray system. H. F. Waite. No. 1,277,003; Aug. 27; v. 253; p. 831.
X-ray system, Stranded-control. L. W. H. Schimpff. No. 1,260,070; Mar. 19; v. 248; p. 683.
X-ray tube. F. J. Farrelly and A. Greiner. No. 1,276,196; Aug. 20; v. 253; p. 576.
X-ray tube. J. M. Pregenzer. No. 1,253,721; Jan. 15; v. 246; p. 726.
X-ray tube. T. B. Rider. No. 1,287,598; Dec. 10; v. 257; p. 383.
X-ray-tube regulator. J. Regnier. No. 1,276,568; Aug. 20; v. 253; p. 678.
X-ray tubes, Method of and apparatus for controlling the resistance of. E. W. Kelly. No. 1,285,215; Nov. 19; v 256; p. 526.
X-rays, Apparatus for preserving organic material by the use of. D. C. Gillett. No. 1,275,417; Aug. 13; v. 253; p. 327.
Xylophone and like instrument. R. Hope-Jones. No. 1,283,774; Nov. 5; v. 256; p. 87.
Xylophone-stand. C. B. Wanamaker. No. 1,256,279; Feb. 12; v. 247; p. 381.
Yarn and producing same, Cotton. R. K. Clark. No. 1,254,000; Jan. 15; v. 246; p. 804.
Yarn and the like, Package of. C. J. Ulmann. No. 1,258,380; Mar. 5; v. 248; p. 124.
Yarn, Apparatus for controlling the unwinding of. T. A. and H. A. Boyd. No. 1,277,690; Sept. 3; v. 254; p. 100.
Yarn-carrier container. H. D. Colman. No. 1,255,858; Feb. 12; v. 247; p. 256.
Yarn-carrier support. H. D. Colman. No. 1,274,387; Aug. 6; v. 253; p. 11.
Yarn-carrier support. B. A. Peterson. No. 1,274,442; Aug. 6; v. 253; p. 29.
Yarn-guide eye. J. S. Gaunt and H. Dyson. No. 1,257,213; Feb. 19; v. 247; p. 690.
Yarn left on condenser-bobbins, Machine for stripping the waste. J. Dronsfield. No. 1,274,522; Aug. 6; v. 253; p. 52.
Yarn or thread, Guide and tension device for removing snarls, kinks, &c., from. S. E. Bailey. No. 1,254,761; Jan. 29; v. 246; p. 1074.
Yarn-reel, Knockdown. E. C. Palmer. No. 1,261,738; Apr. 2; v. 249; p. 210.
Yarn to spindles, Apparatus for attaching. A. Seeley. No. 1,274,792; Aug. 6; v. 253; p. 128.
Yarn-treating apparatus. R. K. Clark. No. 1,253,999; Jan. 15; v. 246; p. 804.
Yarn-treating machine. W. J. Going. No. 1,258,764; Mar. 12; v. 248; p. 275.
Yarn-treating machine. W. J. Going. No. 1,287,962; Dec. 17; v. 257; p. 505.
Yarn, Treating worsted. J. H. Halford. No. 1,271,893; July 9; v. 252; p. 351.
Yarn-winders and making same, Headless quill for. R. G. Pratt. No. 1,285,372; Nov. 19; v. 256; p. 565.
Yarn, Winding. H. D. Colman. No. 1,258,986; Mar. 12; v. 248; p. 340.
Yarns and threads, Compound for waxing or lubricating. J. F. Houston. No. 1,277,215; Aug. 27; v. 253; p. 888.
Yarns, Machine for making core-. W. A. Heathcock. No. 1,286,311; Dec. 3; v. 257; p. 31.
Yeast, Preparation of. L. Roush. No. 1,271,371; July 2; v. 252; p. 173.
Yeast, Pressing. E. A. Meyer. No. 1,268,865; June 11; v. 251; p. 244.
Yieldable coupling. W. W. Laflame. No. 1,275,568; Aug. 13; v. 253; p. 368.
Yielding coupling for driving-shafts. H. L. Duncan. No. 1,277,300; Aug. 27; v. 253; p. 909.
Yoke. C. E. Dath. No. 1,286,245; Dec. 3; v. 257; p. 15.
Yoke. J. F. O'Connor. No. 1,286,071; Nov. 26; v. 256; p. 779.
Yoke. J. F. O'Connor. No. 1,286,730; Dec. 3; v. 257; p. 131.
Yoke. J. F. O'Connor. No. 1,286,736; Dec. 3; v. 257; p. 132.
Yoke. C. B. Patch. No. 1,286,752; Dec. 3; v. 257; p. 135.
Yoke, Adjustable. W. A. Geiger. No. 1,286,277; Dec. 3; v. 257; p. 23.
Yoke and draw-bar connection. S. B. Haseltine. No. 1,286,612; Dec. 3; v. 257; p. 104.
Yoke and pole-cap, Neck-. G. Young. No. 1,263,507; Apr. 23; v. 249; p. 789.
Yoke, Animal nose-. T. E. Tinfoot. No. 1,275,277; Aug. 13; v. 253; p. 288.
Yoke attachment, Canoe-. J. H. Frank. No. 1,257,073; Feb. 19; v. 247; p. 650.
Yoke attachment, Neck-. C. L. Pope. No. 1,257,636; Feb. 26; v. 247; p. 850.
Yoke, Cattle-. C. B. Wiederholt. No. 1,267,294; May 21; v. 250; p. 729.
Yoke connections, Pole or tongue cap for neck-. S. Tolley. No. 1,253,909; Jan. 15; v. 246; p. 778.
Yoke, Coupling-. E. H. Schmidt. No. 1,259,299; Mar. 12; v. 248; p. 427.
Yoke, Coupling-. E. H. Schmidt. No. 1,279,015; Sept. 17; v. 254; p. 511.
Yoke, Detachable two-part. J. F. O'Connor. No. 1,286,734; Dec. 3; v. 257; p. 132.
Yoke, Draft-gear. W. McConway, Jr. No. 1,259,422; Mar. 12; v. 248; p. 464.
Yoke, Draft-gear. W. J. Regan. No. 1,259,446; Mar. 12; v. 248; p. 470.
Yoke, Draft-gear. W. J. Regan. No. 1,259,447; Mar. 12; v. 248; p. 470.
Yoke, Draft-rigging. J. F. O'Connor. No. 1,252,296; Jan. 1; v. 246; p. 247.
Yoke, Draft-rigging. J. F. O'Connor. No. 1,286,733; Dec. 3; v. 257; p. 132.
Yoke, Draft-rigging. J. F. O'Connor. No. 1,286,737; Dec. 3; v. 257; p. 133.
Yoke for draft-gears. W. S. Schroeder. No. 1,256,266; Feb. 12; v. 247; p. 377.
Yoke for draft-gears. W. S. Schroeder. No. 1,256,267; Feb. 12; v. 247; p. 378.
Yoke for draft-gears. W. S. Schroeder. No. 1,256,268; Feb. 12; v. 247; p. 378.
Yoke for draft-gears. G. A. Woodman. No. 1,279,174; Sept. 17; v. 254; p. 552.
Yoke for draft-rigging. S. B. Haseltine. No. 1,286,304; Dec. 3; v. 257; p. 29.
Yoke for draft-riggings. J. R. Mitchell. No. 1,255,908; Feb. 12; v. 247; p. 270.
Yoke for railway-car draft-rigging, Draft-. J. F. O'Connor. No. 1,256,820; Feb. 19; v. 247; p. 575.
Yoke for railway draft-rigging. G. A. Johnson. No. 1,286,598; Dec. 3; v. 257; p. 101.
Yoke, Hog-. J. H. Farmer. No. 1,265,896; May 14; v. 250; p. 312.
Yoke, Hog-. C. S. Waybright. No. 1,258,508; Mar. 5; v. 248; p. 162.
Yoke, Keyless. S. B. Haseltine. No. 1,286,305; Dec. 3; v. 257; p. 30.
Yoke, Keyless draft-rigging. S. B. Haseltine. No. 1,286,306; Dec. 3; v. 257; p. 30.
Yoke, Neck-. H. J. Koelsch. No. 1,275,446; Aug. 13; v. 253; p. 335.
Yoke, Neck-. T. Williams. No. 1,282,157; Oct. 22; v. 255; p. 657.
Yoke or shoulder weight-carrier. R. P. Orr. No. 1,281,822; Oct. 15; v. 255; p. 526.
Yoke, Shoulder-. E. C. Berriman. No. 1,268,084; June 4; v. 251; p. 4.
Yoke, Snap-locking. J. F. O'Connor. No. 1,286,739; Dec. 3; v. 257; p. 133.
Yoke, Stock-. J. M. Kennedy. No. 1,280,234; Oct. 1; v. 255; p. 33.
Yoke to the poles of carts, Device for adjustably connecting the. M. Bouzo. No. 1,279,238; Sept. 17; v. 254; p. 569.
Yoke, Two-part. C. B. Patch. No. 1,255,217; Feb. 5; v. 247; p. 29.
Yoke, Two-part horizontal. J. F. O'Connor. No. 1,278,373; Sept. 10; v. 254; p. 308.
Zero-setting mechanism. F. S. Baldwin. No. 1,275,119; Aug. 6; v. 253; p. 219.
Zigzag-course control. E. E. Hall. No. 1,253,816; Jan. 15; v. 246; p. 752.
Zinc and the like, Process and apparatus for producing. F. Tharaldsen. No. 1,255,066; Jan. 29; v. 246; p. 1161.
Zinc-bearing material containing iron, Treatment of. A. G. Betts. No. 1,259,594; Mar. 19; v. 248; p. 544.
Zinc-bearing solutions, Purifying. F. Laist and J. O. Elton. No. 1,255,434; Feb. 5; v. 247; p. 93.
Zinc-bearing solutions, Purifying. F. Laist and J. O. Elton. No. 1,255,435; Feb. 5; v. 247; p. 93.
Zinc cell. J. L. Malm. No. 1,284,403; Nov. 12; v. 256; p. 283.
Zinc chlorid from ores, Producing. F. K. Cameron, J. A. Cullen, and R. W. Hyde. No. 1,261,696; Apr. 2; v. 249; p. 199.
Zinc chlorid, Production of. F. K. Cameron, J. A. Cullen, and R. W. Hyde. No. 1,261,695; Apr. 2; v. 249; p. 199.
Zinc compound. F. O. Paige. No. 1,260,987; Mar. 26; v. 248; p. 976.
Zinc, Electrolytic production of. G. H. Clevenger. No. 1,283,077; Oct. 29; v. 255; p. 936.
Zinc, Electrolytic recovery of. G. H. Clevenger. No. 1,283,078; Oct. 29; v. 255; p. 936.
Zinc, Electrothermic extraction of. E. S. Berglund. No. 1,271,267; July 2; v. 252; p. 145.
Zinc from its ores, Extracting. E. A. Johansson. No. 1,256,802; Feb. 19; v. 247; p. 570.

Zinc from its solutions, Recovering. F. Laist and J. O. Elton. No. 1,255,433; Feb. 5; v. 247; p. 92.
Zinc from ores, Recovering. F. Laist and J. O. Elton. No. 1,255,436; Feb. 5; v. 247; p. 93.
Zinc from ores, Recovering. F. Laist and J. O. Elton. No. 1,255,439; Feb. 5; v. 247; p. 94.
Zinc, Furnace for treating. L. Van Gulck. No. 1,280,593; Oct. 1; v. 255; p. 133.
Zinc-lead pigment. J. A. Singmaster and F. G. Breyer. No. 1,257,136; Feb. 19; v. 247; p. 666.
Zinc-melting apparatus. T. Aramaki. No. 1,275,196; Aug. 13; v. 253; p. 266.
Zinc ores, Treating. F. Laist. No. 1,255,438; Feb. 5; v. 247; p. 93.
Zinc powder into liquid zinc, Converting. S. Huldt. No. 1,266,808; May 21; v. 250; p. 595.
Zinc, Production of. O. Baltin. No. 1,261,342; Apr. 2; v. 249; p. 100.
Zinc, Recovering. F. Laist. No. 1,281,031; Oct. 8; v. 255; p. 278.
Zinc, Recovering. F. Laist. No. 1,281,032; Oct. 8; v. 255; p. 278.
Zinc-refining. G. C. Fricker. No. 1,287,949; Dec. 17; v. 257; p. 502.
Zinc retort-furnace. A. Jones. No. 1,282,847; Oct. 29; 255; p. 873.
Zinc, Smelting. I. Partanen. No. 1,254,531; Jan. 22; v. 246; p. 976.
Zinc-sulfate solutions, Purifying. R. B. Caples and F. F. Frick. No. 1,263,852; Apr. 23; v. 249; p. 881.
Zinc, Treating. C. A. H. De Saulles. No. 1,274,249; July 30; v. 252; p. 1095.
Zinc-treating apparatus. C. A. H. De Saulles. No. 1,279,292; Sept. 17; v. 254; p. 584.
Zinc, Utilizing the residues obtained in the distillation of. R. Köhler and O. Baltin. No. 1,275,045; Aug. 6; v. 253; p. 200.
Zinc vapors, Apparatus and method for condensing. C. H. Fulton. No. 1,271,560; July 9; v. 252; p. 259.
"Zingiberone" (methyl 3-methoxy-4-hydroxyphenylethyl ketone,) Preparing. H. Nomura. No. 1,263,796; Apr. 23; v. 249; p. 865.
Zinkiferous ores, Treatment of. J. H. and P. M. Gillies. No. 1,262,190; Apr. 9; v. 249; p. 368.
Zirconium ores, Purifying. W. R. Loveman. No. 1,261,948; Apr. 9; v. 249; p. 301.

ALPHABETICAL LIST OF DESIGNS.

Advertising-cabinet. W. F. Jones and W. Kellum. No. 52,167; July 9; v. 252; p. 484.
Advertising display-stand. B. Van Raalte. No. 51,942; Apr. 2; v. 249; p. 232.
Advertising novelty, Patriotic. G. L. Johnston and L. A. Kyger. No. 52,580; Oct. 15; v. 255; p. 587.
Advertising-tablet. M. J. Hogan. No. 52,136; July 2; v. 252; p. 223.
Aircraft-fuselage or similar device. W. B. Stout. No. 52,066; May 28; v. 250; p. 980.
Amusement booth or building, Portable exterior front of an. A. R. Hodge. No. 52,741; Dec. 10; v. 257; p. 389.
Antiskid-chains, Connector for. T. M. Avery. No. 52,600; Oct. 29; v. 255; p. 1037.
Article of manufacture. G. A. Bomann. No. 52,466; Sept. 24; v. 254; p. 842.
Article of manufacture. E. M. Bottome. No. 52,301; Aug. 27; v. 253; p. 926.
Article of manufacture. E. Coste. No. 52,127; July 2; v. 252; p. 222.
Article of manufacture. E. Coste. No. 52,523; Oct. 8; v. 255; p. 347.
Article of manufacture. G. K. Culp. No. 52,306; Aug. 27; v. 253; p. 927.
Article of manufacture. S. Haward. No. 52,479; Sept. 24; v. 254; p. 845.
Article of manufacture. E. D. Houston. No. 52,770; Dec. 17; v. 257; p. 629.
Article of manufacture. A. R. Le Braun. No. 52,800; Dec. 24; v. 257; p. 805.
Article of manufacture. G. F. Parker. Nos. 52,585–6; Oct. 15; v. 255; p. 588.
Article of manufacture. M. L. Russell. No. 52,118; June 18; v. 251; p. 657.
Article of manufacture. J. S. Sears. No. 52,197; July 16; v. 252; p. 728.
Article of manufacture. C. L. Sullivan. No. 52,413; Sept. 10; v. 254; p. 432.
Article of manufacture. C. L. Sullivan and C. V. Wienberg. No. 52,758; Dec. 10; v. 257; p. 392.
Article of manufacture. A. Westerlind. No. 52,760; Dec. 10; v. 257; p. 392.
Ash-tray and cigar-cutter. I. Blumenthal. No. 52,264; Aug. 20; v. 253; p. 718.
Ash-tray and holder for pipes, tobacco, and matches, Combined. L. U. Bruyere. No. 52,126; July 2; v. 252; p. 222.
Ash-urn. R. Otto. No. 52,617; Oct. 29; v. 255; p. 1039. 1039.
Automobile. C. W. McKinley and H. H. Goodall. No. 52,283; Aug. 20; v. 253; p. 721.
Automobile, Advertising-. L. De Doory. No. 51,634; Jan. 1; v. 246; p. 273.
Automobile-body. S. G. Baits. No. 52,108; June 18; v. 251; p. 657.
Automobile-body. J. H. Bourgon. No. 52,125; July 2; v. 252; p. 221.
Automobile-body. T. P. Chase and A. Ward, Jr. No. 51,632; Jan. 1; v. 246; p. 273.
Automobile-body. G. E. Goddard. Nos. 51,979–80; Apr. 23; v. 249; p. 966.
Automobile-body. G. Roesch. No. 52,673; Nov. 12; v 256; p 433.
Automobile-body. C. T. Silver. No. 51,906; Mar. 26; v. 248; p. 989.
Automobile-bumper bracket. P. P. Crabill and J. Turner. No. 52,035; May 14; v. 250; p. 492.
Automobile ornament. E. Burton. No. 51,714; Feb. 5; v. 247; p. 214.
Automobile ornament. E. Burton. No. 51,777; Feb. 19; v. 247; p. 722.
Automobile-radiator. G. Roesch. No. 52,708; Nov. 19; v. 256; p. 620.
Automobile-radiator. C. T. Silver. Nos. 52,407–8; Sept. 10; v. 254; p. 432.
Automobile-radiator caps, Ornament for. W. P. Hammond. No. 52,528; Oct. 8; v. 255; p. 348.
Automobile-radiator casing. E. H. Belden. No. 52,382; Sept. 10; v. 254; p. 427.
Automobile-radiator casing. E. C. Bruckman. No. 52,053; May 28; v. 250; p. 977.
Automobile running-board and fender. C. T. Silver. No. 52,409; Sept. 10; v. 254; p. 432.
Automobile steering-wheel. G. E. Smith. No. 52,120; June 18; v. 251; p. 659.
Automobile-top. L. and C. Gillig. No. 52,610; Oct. 29; v. 255; p. 1038.
Automobile-top. C. W. Link. Nos. 51,680–1; Jan. 8; v. 246; p. 550.
Automobile-top. C. W. Link. Nos. 51,887–9; Mar. 19; v. 248; p. 746.
Automobile-top. C. W. Link. No. 52,142; July 2; v. 252; p. 224.
Automobile-top, Back curtain of an. O. R. Overmyer. No. 51,757; Feb. 12; v. 247; p. 451.
Automobile-wheel fender, Rear. A. C. Barley. No. 51,748; Feb. 12; v. 247; p. 450.
Automobiles, Hood-front for. A. Holmes. No. 51,841; Mar. 5; v. 248; p. 211.
Automobiles, Instrument-board for. J. Berg. No. 51,703; Jan. 22; v. 246; p. 1011.
Badge. A. B. Cascaden. No. 51,715; Feb. 5; v. 247; p. 214.
Badge. R. L. Chester and H. Y. Lake. No. 51,717; Feb. 5; v. 247; p. 215.
Badge. J. L. Clark. No. 51,919; Apr. 2; v. 249; p. 218.
Badge. O. E. Cloud. No. 51,920; Apr. 2; v. 249; p. 218.
Badge. M. Fellman. No. 51,689; Jan. 15; v. 246; p. 810.
Badge. M. B. Gadswitch. No. 52,386; Sept. 10; v. 254; p. 428.
Badge. J. H. Leff and R. H. Spira. No. 52,140; July 2; v. 252; p. 224.
Badge. F. E. Muni. No. 51,695; Jan. 15; v. 246; p. 811.
Badge. H. Patigian. No. 51,734; Feb. 5; v. 247; p. 218.
Badge, button, or similar article. W. H. Gardiner. No. 51,808; Feb. 26; v. 247; p. 945.
Badge, button, pendant, or similar article. W. K. Spaulding. No. 52,410; Sept. 10; v. 253; p. 432.
Badge, charm, stick-pin, flag, sign, fob, or emblem. B. R. Jolly. No. 51,679; Jan. 8; v. 246; p. 550.
Badge, emblem, or similar article of manufacture. H. E. Alsterlund. No. 52,518; Oct. 8; v. 255; p. 347.
Badge, emblem, or similar article of manufacture. A. W. Ballenger. No. 52,624; Nov. 12; v. 256; p. 425.
Badge, Military. F. E. Muni. No. 51,684; Jan. 8; v. 246; p. 551.
Badge or emblem. S. Carlin. No. 52,633; Nov. 12; v. v. 256; p. 426.
Badge or emblem. W. G. Daniel. No. 52,004; May 7; v. 250; p. 235.
Badge or emblem. J. Lee. No. 52,801; Dec. 24; v. 257; p. 805.
Badge or ornament. C. A. Dravo. No. 52,785; Dec. 24; v. 257; p. 803.
Badge or pendant, Patriotic. M. Grossman. No. 51,840; Mar. 5; v. 248; p. 211.
Badge or poster, Patriotic. L. A. Schoen. No. 51,764; Feb. 12; v. 247; p. 453.

Alphabetical list of designs—Continued.

Badge or similar article. V. Berberian. No. 52,263; Aug. 20; v. 253; p. 718.
Badge or similar ornament. M. C. Barnard. No. 52,261; Aug. 20; v. 253; p. 718.
Badge, Patriotic. W. J. Cloutier. No. 52,522; Oct. 8; v. 255; p. 347.
Badge, Patriotic. T. Heath. No. 52,791; Dec. 24; v. 257; p. 804.
Badge, Patriotic. G. F. Steedman. No. 52,355; Aug. 27; v. 253; p. 934.
Bag, Comfort-. K. S. Banning. No. 51,913; Apr. 2; v. 249; p. 217.
Bag frame, Hand-. H. Wiener. No. 52,092; June 4; v. 251; p. 216.
Ball, Rubber. R. Eddy. No. 51,722; Feb. 5; v. 247; p. 216.
Band-fastener. E. C. Tecktonius. Nos. 52,256–7; Aug. 6; v. 253; p. 243.
Bank, Savings-. N. Johns. No. 52,824; Dec. 31; v. 257; p. 1064.
Banner. K. A. Kelly. No. 51,812; Feb. 26; v. 247; p. 946.
Basket. O. Leistner. No. 52,484; Sept. 24; v. 254; p. 846.
Basket, Flower-. F. J. Collins. No. 51,633; Jan. 1; v. 246; p. 273.
Basket, Rolling. A. D. Polouboyarenof. No. 51,989; Apr. 23; v. 249; p. 968.
Bath-cabinet, Mineral, steam, and violet-ray. J. F. Blanchard. No. 52,426; Sept. 17; v. 254; p. 640.
Bath-room fixture, Combination. J. B. Benedict. No. 52,763; Dec. 17; v. 257; p. 628.
Battery terminal connector, Storage-. L. J. Shields. No. 52,682; Nov. 12; v. 256; p. 434.
Belt-holder. J. L. Flannery, Jr. No. 52,130; July 2; v. 252; p. 222.
Beverage sold as a soft drink. The Mihalovitch Co. No. 122,409; Aug. 13; v. 253; p. 509.
Bicycle-frame. I. Schwinn. No. 52,150; July 2; v. 252; p. 225.
Bird-cage. D. Friz. No. 52,474; Sept. 24; v. 254; p. 844.
Boat-hull. A. B. Bienkowski. No. 52,033; May 14; v. 250; p. 491.
Book-stop or similar article. E. A. Ford, G. L. Pew, and E. J. Kelly. No. 52,072; June 4; v. 251; p. 213.
Book-support. G. W. Johnston. No. 52,276; Aug. 20; v. 253; p. 720.
Border ornament for furniture, casket, interior or exterior decoration. A. M. Holstein. Nos. 52,162–4; July 9; v. 252; pp. 483–4.
Bottle. H. C. Anderson. No. 52,423; Sept. 17; v. 254; p. 640.
Bottle. C. T. Davis. No. 52,561; Oct. 15; v. 255; p. 583.
Bottle. L. Levin. No. 51,927; Apr. 2; v. 249; p. 219.
Bottle-cap remover. J. Januchowsky. No. 51,962; Apr. 9; v. 249; p. 491.
Bottle, Poison-. T. Tykarsky. No. 51,664; Jan. 1; v. 246; p. 279.
Bow-holder. G. W. Upton. No. 52,258; Aug. 6; v. 253; p. 243.
Bowl. E. S. Deuel. No. 52,309; Aug. 27; v. 253; p. 927.
Bowl for goldfish. J. L. Turner. No. 51,663; Jan. 1; v. 246; p. 279.
Box. E. B. Gallaher. No. 52,387; Sept. 10; v. 254; p. 428.
Box. W. H. Joslin. No. 52,767; Dec. 17; v. 257; p. 629.
Bracelet. A. Block. No. 52,465; Sept. 24; v. 254; p. 842.
Bracelet. B. J. Block. No. 52,464; Sept. 24; v. 254; p. 842.
Brick, Building-. J. Stocke, Jr. No. 51,767; Feb. 12; v. 247; p. 453.
Brocade. J. H. Bunting. Nos. 52,204–5; July 23; v. 252; p. 940.
Brooch-pin or similar article of jewelry. F. W. Koonz. No. 51,886; Mar. 19; v. 248; p. 745.
Brooch-pin or similar article of jewelry. F. H. Schaffer. No. 52,228; July 23; v. 252; p. 944.
Broom-head. H. Thomasma and A. H. Blanchard. No. 52,813; Dec. 24; v. 257; p. 808.
Broom-moistener. E. M. Brown. No. 52,632; Nov. 12; v. 256; p. 426.
Brush. J. Chisan. No. 52,695; Nov. 19; v. 256; p. 618.
Brush-back. F. E. Partridge. No. 52,807; Dec. 24; v. 257; p. 806.
Brush for suction-cleaners and the like. H. E. Hoover. No. 52,238; July 30; v. 252; p. 1128.
Brush handle, Tooth-. W. F. Graul. Nos. 52,388–90; Sept. 10; v. 254; pp. 428–9.
Brush holder, Tooth-. D. M. Wilcox. No. 51,990; Apr. 23; v. 249; p. 968.
Brush, Tooth-. E. B. Clapp. No. 52,385; Sept. 10; v. 254; p. 428.
Bunsen burner. F. B. Joy and C. H. Vogel. No. 52,321; Aug. 27; v. 253; p. 929.
Button. W. W. Hobe. No. 52,531; Oct. 8; v. 255; p. 349.
Button, badge, or emblem. C. C. Delmonico. No. 52,070; June 4; v. 251; p. 213.
Button, badge, or similar article. C. F. Smith. No. 51,662; Jan. 1; v. 246; p. 279.
Cabinet. Desk-. E. P. Frawley. No. 52,787; Dec. 24; v. 257; p. 803.

Cabinet, Display-. F. Pfous. No. 52,225; July 23; v. 252; p. 943.
Cabinet for sound-reproducing apparatus. W. E. Colwell. No. 51,716; Feb. 5; v. 247; p. 214.
Cabinet, Music-. B. E. Stone. No. 52,499; Sept. 24; v. 254; p. 849
Cabinet, Phonograph-. R. C. Aimone. Nos. 52,721–4; Dec. 10; v. 257; p. 386.
Cabinet, Phonograph-. W. C. Pitts. Nos. 52,491–4; Sept. 24; v. 254; pp. 847–8.
Cake, Chocolate. A. N. Stollwerck. No. 52,246; July 30; v. 252; p. 1130.
Cake-form. M. Cassel. No. 51,750; Feb. 12; v. 247; p. 450.
Calling device. O. F. Forsberg. No. 52,009; May 7; v. 250; p. 236.
Can-opener. P. Zunish. No. 52,156; July 2; v. 252; p. 226.
Candle. H. H. Will. No. 52,776; Dec. 17; v. 257; p. 630.
Candy. J. T. Morton. No. 51,707; Jan. 22; v. 246; p. 1012.
Cap, Regular utility service-. L. Stirn. No. 52,590; Oct. 15; v. 255; p. 589.
Car body, Motor-. G. Roesch. No. 52,707; Nov. 19; v. 256; p. 620.
Car, Child's. W. Bush. No. 52,783; Dec. 24; v. 257; p. 803.
Car, Coaster-. H. W. Sellner. No. 52,810; Dec. 24; v. 257; p. 807.
Car for children, Three-wheeled. R. K. Dawson. No. 52,209; July 23; v. 252; p. 941.
Carbureter-shell. V. E. Haas. No. 51,858; Mar. 12; v. 248; p. 480.
Card, Display-. W. A. Pike. No. 52,226; July 23; v. 252; p. 943.
Card-holder. I. B. Edmunds. No. 52,006; May 7; v. 250; p. 235.
Card holder, Price-. W. N. Marr. No. 52,333; Aug. 27; v. 253; p. 931.
Card or mounting, Display. J. L. Flannery, Jr. No. 52,071; June 4; v. 251; p. 213.
Card or mounting, Display. J. L. Flannery, Jr. Nos. 52,212–13; July 23; v. 252; p. 941.
Card or mounting, Display. J. L. Flannery, Jr. No. 52,818; Dec. 31; v. 257; p. 1063.
Cards or similar articles, Back for playing-. R. L. Gooding. No. 51,724; Feb. 5; v. 247; p. 216.
Cards, Set of playing-. C. G. Decker. No. 52,005; May 7; v. 250; p. 235.
Cards, Set of playing-. J. C. Gaffney. Nos. 52,432–5; Sept. 17; v. 254; p. 641.
Carpet. E. G. Sauer. Nos. 51,792–6; Feb. 19; v. 247; pp. 725–6.
Carpet, rug, or similar article. L. Rorheimer. No. 52,013; May 7; v. 250; p. 237.
Carrier for casseroles and like containers. L. Wojidkow. No. 52,124; June 18; v. 251; p. 659.
Carton. J. L. Flannery, Jr. No. 52,131; July 2; v. 252; p. 222.
Casket handle, Burial-. E. S. Klein. No. 52,043; May 14; v. 250; p. 493.
Casket-handle lug. G. R. Bailey. Nos. 52,379–81; Sept. 10; v. 254; p. 427.
Cement, Belt-. The Ulmer Leather Co. No. 122,413; Aug. 13; v. 253; p. 509.
Chair. W. C. Aulepp, Jr. No. 51,993; Apr. 30; v. 249; p. 1197.
Chair. A. Wanner, Jr. Nos. 52,363–4; Aug. 27; v. 252; p. 936.
Chair-back. A. Wanner. No. 52,419; Sept. 10; v. 254; p. 433.
Chair, Bent-stock. F. H. Herhold. No. 51,884; Mar. 19; v. 248; p. 745.
Chair, Bent-stock. F. H. Herhold. No. 52,792; Dec. 24; v. 257; p. 804.
Chair, Bent-wood. J. Silverman. No. 52,083; June 4; v. 251; p. 215.
Chandelier-chain terminal. C. E. Jones. No. 51,810; Feb. 26; v. 247; p. 946.
Chandelier for a lighting-fixture. R. G. Wagner and E. J. Schweitzer. Nos. 52,088–91; June 4; v. 251; p. 216.
Chandelier for a lighting-fixture. R. G. Wagner and E. J. Schweitzer. No. 52,152; July 2; v. 252; p. 226.
Check. D. T. Scott. No. 52,753; Dec. 10; v. 257; p. 391.
Cigar and cigarette case or similar article. F. B. Nichols. No. 52,829; Dec. 31; v. 257; p. 1065.
Cigar-cutter. A. Christensen. No. 52,730; Dec. 10; v. 257; p. 387.
Cigar-perforator. J. H. Stean. No. 52,151; July 2; v. 252; p. 226.
Clasp for bands and straps. F. G. Gruen. No. 52,649; Nov. 12; v. 256; p. 429.
Cleaner casing, Suction-. W. V. Orr. No. 52,806; Dec. 24; v. 257; p. 806.
Cleaner casing, Suction-. E. C. Robertson. No. 52,809; Dec. 24; v. 257; p. 807.
Clock casing and dial, Wall-. J. L. Bogert. No. 51,833; Mar. 5; v. 248; p. 210.
Clock, Hall-. F. Schulte. No. 52,711; Nov. 19; v. 256; p. 621.
Clothes-tray. C. H. Laing. No. 52,537; Oct. 8; v. 255; p. 350.

Alphabetical list of designs—Continued.

Coat, Sweater-. E. L. Anderson. No. 51,831; Mar. 5; v. 248; p. 209.
Coffee-brewing pot. H. C. Biette. No. 52,019; May 7; v. 250; p. 238.
Comb. L. Myers. No. 51,708; Jan. 29; v. 246; p. 1179.
Conduit-clamp or similar article. H. W. Pleister. No. 52,774; Dec. 17; v. 257; p. 630.
Conduit end-closure. H. M. Temple and P. Kearney. No. 51,893; Mar. 19; v. 248; p. 747.
Conduit-fitting. J. C. Boyton. No. 52,302; Aug. 27; v. 253; p. 926.
Connecting-rod. A. R. Pribil. No. 52,495; Sept. 24; v. 254; p. 848.
Container. E. B. Gallaher. No. 52,821; Dec. 31; v. 257; p. 1064.
Container. E. Hoffman. No. 52,320; Aug. 27; v. 253; p. 929.
Cooker, Electric. F. Kuhn and J. A. Hand. No. 52,327; Aug. 27; v. 253; p. 930.
Corner ornament for furniture, caskets, and interior and exterior decorations. A. M. Holstein. No. 52,165; July 9; v. 252; p. 484.
Cornet. E. A. Couturier. No. 52,207; July 23; v. 252; p. 940.
Corset. A. Malsin. No. 52,582; Oct. 15; v. 255; p. 587.
Cotton cheviots. Tupelo Cotton Mills. No. 122,412; Aug. 13; v. 253; p. 509.
Cotton-picking nozzle. J. H. C. Boig. No. 52,508; Oct. 1; v. 255; p. 143.
Cracker-can. W. C. Dickmeyer. No. 52,562; Oct. 15; v. 255; p. 583.
Cream-pitcher. T. C. Heisey. No. 52,572; Oct. 15; v. 255; p. 585.
Crochet-ball holder. E. C. Powell. No. 52,104; June 11; v. 251; p. 444.
Crumb-sweeper. M. Frankel. No. 51,639; Jan. 1; v. 246; p. 274.
Crumb-tray. E. A. Farr. No. 51,676; Jan. 8; v. 246; p. 549.
Cup. A. F. Saunders. Nos. 52,349–50; Aug. 27; v. 253; pp. 933–4.
Curtain and shade roller bracket. S. Curol. No. 51,719; Feb. 5; v. 247; p. 215.
Curtain-hanger. W. Yakish. No. 51,944; Apr. 2; v. 249; p. 232.
Curtain-holder. S. Rosen. No. 52,345; Aug. 27; v. 253; p. 933.
Curtain-pole holder. P. Szandula. No. 52,832; Dec. 31; v. 257; p. 1066.
Cut-outs, Housing for muffler. A. R. Cooper. No. 52,638; Nov. 12; v. 256; p. 427.
Decorative figure for furniture, caskets, or similar articles. A. M. Holstein. No. 52,438; Sept. 17; v. 254; p. 642.
Decorative trimming for furniture, caskets, or similar articles. A. M. Holstein. Nos. 52,440–51; Sept. 17; v. 254; p. 642–3–4.
Dental box-flask. T. G. Lewis. No. 52,826; Dec. 31; v. 257; p. 1064.
Die-sinking machines, Tracer and cutter frame for. J. F. Keller. No. 51,900; Mar. 26; v. 248; p. 987.
Dish. J. E. Goodwin. No. 52,648; Nov. 12; v. 256; p. 429.
Dish. W. G. Grindley. No. 51,678; Jan. 8; v. 246; p. 550.
Dish. H. E. Hymer. Nos. 52,272–5; Aug. 20; v. 253; pp. 719–20.
Dish, Baking-. J. Beiswanger. No. 52,016; May 7; v. 250; p. 237.
Dish, Baking-. J. Beiswanger. No. 52,627; Nov. 12; v. 256; p. 425.
Dish, Baking-. J. Beiswanger. No. 52,692; Nov. 19; v. 256; p. 618.
Dish, Baking-. J. Beiswanger. Nos. 52,726–7; Dec. 10; v. 257; p. 387.
Dish, Baking-. J. Beiswanger. Nos. 52,816–17; Dec. 31; v. 257; p. 1063.
Dish, Baking-. H. S. Evans. No. 51,837; Mar. 5; v. 248; p. 210.
Dish, Baking-. H. S. Evans. Nos. 51,878–81; Mar. 19; v. 248; p. 744.
Dish-cover. T. B. Easby. No. 52,564; Oct. 15; v. 255; p. 584.
Dish or similar article. E. J. Ridgway. No. 52,588; Oct. 15; v. 255; p. 588.
Display and dispensing device. L. P. Earl. No. 51,723; Feb. 5; v. 247; p. 216.
Display-card. W. A. Pike. No. 52,405; Sept. 10; v. 254; p. 431.
Display-card. A. Rule. No. 51,737; Feb. 5; v. 247; p. 218.
Display card, Color-. E J. Hanson. No. 52,651; Nov. 12; v. 256; p. 429.
Display card or label. J. L. Flannery. No. 51,857; Mar. 12; v. 248; p. 480.
Display card or mounting. J. L. Flannery, Jr. Nos. 51,636–8; Jan. 1; v. 246; p. 274.
Display-stand. M. J. Karpeles. No. 52,240; July 30; v. 252; p. 1128.
Display-stand. M. J. Karpeles. No. 52,799; Dec. 24; v. 257; p. 805.
Display-stand. L. Wulkan. No. 52,374; Aug. 27; v. 253; p. 938.
Doll. C. M. Burd. Nos. 51,852–3; Mar. 12; v. 248; p. 479.
Doll. L. M. Fellom. No. 51,677; Jan. 8; v. 246; p. 549.
Doll. L. M. Fellom. No. 51,753; Feb. 12; v. 247; p. 451.
Doll. L. M. Fellom. No. 51,780; Feb. 19; v. 247; p. 723.
Doll. L. M. Fellom. Nos. 52,174–5; July 16; v. 252; p. 724.
Doll. L. M. Fellom. No. 52,311; Aug. 27; v. 253; p. 928.
Doll. L. M. Fellom. Nos. 52,642–3; Nov. 12; v. 256; p. 428.
Doll. M. Hagemans. No. 52,737; Dec. 10; v. 257; p. 389.
Doll. K. M. Jafferian. No. 52,798; Dec. 24; v. 257; p. 805.
Doll. A. Knepfer. No. 51,926; Apr. 2; v. 249; p. 219.
Doll. M. H. Mauzy. No. 52,803; Dec. 24; v. 257; p. 806.
Doll. B. R. Maxwell. No. 52,334; Aug. 27; v. 253; p. 931.
Doll. M. Moisant. No. 51,988; Apr. 23; v. 249; p. 967.
Doll. G. Pfeffer. No. 52,808; Dec. 24; v. 257; p. 807.
Doll. C. Ringel. No. 52,195; July 16; v. 252; p. 728.
Doll. C. J. Ross. Nos. 51,870–1; Mar. 12; v. 248; p. 482.
Doll. A. F. Russ. No. 52,346; Aug. 27; v. 253; p. 933.
Doll. A. M. Walker. No. 52,713; Nov. 19; v. 256; p. 621.
Doll. M. S. Wingert. No. 52,421; Sept. 10; v. 254; p. 434.
Doll, Statue-. R. Mancuso. No. 52,242; July 30; v. 252; p. 1129.
Dolls, calendars, pads, blotters, cards, or similar articles, Covering for. E. E. Levett. No. 52,802; Dec. 24; v. 257; p. 806.
Door and door-grille, Combined. H. Mathewson. No. 52,060; May 28; v. 250; p. 979.
Door-handle. W. M. Healey. No. 51,961; Apr. 9; v. 249; p. 491.
Door, Safe or vault. S. A. Ely. No. 52,733; Dec. 10; v. 257; p. 388.
Door stop and fastener. J. E. Leach. No. 52,825; Dec. 31; v. 257; p. 1064.
Dowel-bolt for trunks. F. A. Weiss. No. 52,595; Oct. 15; v. 255; p. 589.
Dress. M. Gross. Nos. 52,268–70; Aug. 20; v. 253; p. 719.
Drinking-fountain. J. W. Ramsdell. No. 52,244; July 30; v. 252; p. 1129.
Dust and air separator. F. F. Wear and B. M. Ely. No. 52,365; Aug. 27; v. 253; p. 936.
Ear-protector. T. J. Gaffney. No. 52,820; Dec. 31; v. 257; p. 1063.
Electric-battery anode. W. Grothe. No. 52,215; July 23; v. 252; p. 942.
Electric-conduit fitting. C. H. Bissell. Nos. 52,628–9; Nov. 12; v. 256; p. 426.
Electric-light fixture. G. R. Ainsworth. No. 51,629; Jan. 1; v. 246; p. 272.
Electric-switch casing. R. A. Schoenberg, now by judicial change of name R. A. Belmont. No. 52,119; June 18; v. 251; p. 658.
Electric-switch member. C. D. Platt. Nos. 51,868–9; Mar. 12; v. 248; pp. 481–2.
Electrical-conduit outlet. H. P. Hastings. No. 51,960; Apr. 9; v. 249; p. 491.
Electrical heater. F. Kuhn and J. A. Hand. No. 52,453; Sept. 17; v. 254; p. 644.
Emblem. W. B. Cole. No. 51,673; Jan. 8; v. 246; p. 549.
Emblem. E. B. Craig. No. 52,128; July 2; v. 252; p. 222.
Emblem. H. G. Essayan. No. 51,635; Jan. 1; v. 246; p. 273.
Emblem. W. G. Evans. No. 51,856; Mar. 12; v. 248; p. 479.
Emblem. W. G. Ginder. No. 52,315; Aug. 27; v. 253; p. 928.
Emblem. R. Liebau. No. 52,603; Nov. 12; v. 256; p. 431.
Emblem. W. Rothenberg. No. 52,046; May 14; v. 256; p. 493.
Emblem, badge, or article of similar nature. G. T. Bynner. No. 52,469; Sept. 24; v. 254; p. 843.
Emblem, badge, or similar article. G. T. Bynner. No. 52,206; July 23; v. 252; p. 940.
Emblem, brooch, button, fob, badge, charm, stick-pin, or similar article. A. Wiss. No. 52,296; Aug. 20; v. 253; p. 723.
Emblem, brooch, ring-top, lavallière, button, or similar article. E. C. Heathcote. No. 52,218; July 23; v. 252; p. 942.
Emblem, insignia, or similar article. H. A. Phillips and J. G. Stamm. No. 52,490; Sept. 24; v. 254; p. 847.
Emblem, International patriotic. J. Mignolet. No. 52,337; Aug. 27; v. 253; p. 932.
Emblem or similar article. F. E. Maynard. No. 52,667; Nov. 12; v. 256; p. 432.
Emblem or similar article of manufacture, Patriotic. H. F. Pope. No. 51,844; Mar. 5; v. 248; p. 212.

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Emblem, Patriotic. E. F. Cogan and J. L. Sbarbaro. No. 52,637; Nov. 12; v. 256; p. 427.
Emblem, Patriotic. W. E. Hallam. No. 52,478; Sept. 24; v. 254; p. 845.
Emblem, pin, or button, Patriotic. H. T. Brockman. No. 51,688; Jan. 15; v. 246; p. 810.
Emblem, pin, or similar article. G. E. McCormack. No. 52,804; Dec. 24; v. 257; p. 806.
End bracket for curtain-rods. J. H. Boye. Nos. 52,555–6; Oct. 15; v. 255; p. 582.
Envelop. J. L. Flannery, Jr. No. 51,922; Apr. 2; v. 249; p. 218.
Fabric. A. Wilcock. Nos. 52,689–90; Nov. 12; v. 256; p. 436.
Fabric, Decorative textile. W. S. Gordon. No. 51,882; Mar. 19; v. 248; p. 745.
Fabric, Lace. E. A. Saywell. No. 52,710; Nov. 19; v. 256; p. 621.
Fabric, Printed. A. S. Bigelow. No. 51,749; Feb. 12; v. 247; p. 450.
Fabric, Textile. E. Coste. No. 51,877; Mar. 19; v. 248; p. 744.
Fabric, Textile. E. Coste. No. 51,921; Apr. 2; v. 249; p. 218.
Fabric, Textile. M. Nathan. Nos. 52,284–7; Aug. 20; v. 253; p. 723.
Fabric, Textile. E. W. Stifel. No. 51,685; Jan. 8; v. 246; p. 551.
Fan and clock case. J. P. Hotz. No. 52,578; Oct. 15; v. 255; p. 586.
Fan-blade assembly. C. G. Swenson. No. 52,762; Dec. 10; v. 257; p. 393.
Feed-trough-switch casing. R. A. Belmont. No. 52,049; May 21; v. 250; p. 752.
Figure or doll. C. F. Simms. No. 52,292; Aug. 20; v. 253; pp. 721–2.
Finger, cane, and umbrella ring, bar-pin, or similar article. A. F. Sass. Nos. 52,676–7; Nov. 12; v. 256; pp. 433–4.
Fire-extinguisher. W. H. Hendrickson. No. 52,739; Dec. 10; v. 257; p. 389.
Fire-log, Electric. L. C. Hector and C. E. Davis. No. 52,318; Aug. 27; v. 253; p. 929.
Fishing-reel. C. O. Blee. No. 51,710; Feb. 5; v. 247; p. 213.
Flag. E. M. Agan. No. 52,378; Sept. 10; v. 254; p. 427.
Flag. J. T. Bentley. No. 52,463; Sept. 24; v. 254; p. 842.
Flag. J. F. Bunting. No. 52,782; Dec. 24; v. 257; p. 803.
Flag. E. T. Coyan. No. 52,020; May 7; v. 250; p. 238.
Flag. J. S. Duff. No. 52,039; May 14; v. 250; p. 492.
Flag. N. H. Gillette. No. 52,789; Dec. 24; v. 257; p. 804.
Flag. F. J. Shainmark and H. Fidel. No. 52,681; Nov. 12; v. 256; p. 434.
Flag, banner, pennant, or similar article. H. A. Phillips and J. G. Stamm. No. 52,179; July 16; v. 252; p. 725.
Flag, banner, pennant, sign, emblem, or article of a similar nature. W. Gary. No. 52,313; Aug. 27; v. 253; p. 928.
Flag, Memorial-service. A. F. Stromberg. No. 52,357; Aug. 27; v. 253; p. 935.
Flag, Mourning-. G. W. Bryant. No. 52,468; Sept. 24; v. 254; p. 843.
Flag or emblem. C. F. Adamson. No. 52,202; July 23; v. 252; p. 939.
Flag, pennant, emblem, or article of a similar nature. W. J. Newcomb. No. 52,671; Nov. 12; v. 256; p. 433.
Flag, pennant, emblem, sign, or article of similar nature. W. K. Spaulding. No. 52,411; Sept. 10; v. 254; p. 432.
Flag, pennant, or similar article. W. J. Sweeney. No. 52,759; Dec. 10; v. 257; p. 392.
Flag, pennant, sign, emblem, or article of a similar nature. F. Smith. No. 52,084; June 4; v. 251; p. 215.
Flag, pennant, sign, emblem, or other article of a similar nature. J. D. Guiffre. No. 52,647; Nov. 12; v. 256; p. 429.
Flag, pennant, sign, or article of a similar nature. G. W. Bear and H. P. Gardner. No. 52 626; Nov. 12; v. 256; p. 425.
Flagpole. E. O. J. Danielson. No. 51,751; Feb. 12; v. 247; p. 450.
Flash-light case. C. Wachtel. No. 52,593; Oct. 15; v. 255; p. 589.
Flat-iron, Gas-heated. H. G. Heckmann. No. 51,859; Mar. 12; v. 248; p. 480.
Flower-pot or analogous article. J. F. Carroll. No. 52,559; Oct. 15; v. 255; p. 583.
Fob or pendant. W. A. Thomson. No. 51,894; Mar. 19; v. 248; p. 747.
Fob, pendant, brooch, pin, or similar article. H. J. Carroll. No. 51,954; Apr. 9; v. 249; p. 490.
Font of type. W. Ransom. Nos. 52,496–7; Sept. 24; v. 254; p. 848.
Fork, spoon, or similar article. B. P. Jenks. No. 52,050; May 21; v. 250; p. 752.
Frame, Patriotic. T. F. Carr. No. 52,634; Nov. 12; v. 256; p. 427.
Frieze or border-figure for furniture, caskets, or similar articles. Manufactured. A. M. Holstein. No. 52,439; Sept. 17; v. 254; p. 642.
Furniture and casket decorations and for interior and exterior decorations, Manufactured figure for. A. M. Holstein. No. 52,077; June 4; v. 251; p. 214.
Furniture and casket decorations and for interior and exterior decorations, Manufactured figure for. A. M. Holstein. No. 52,099; June 11; v. 251; p. 443.
Furniture and casket decorations and for interior and exterior decorations, Manufactured figure for. A. M. Holstein. No. 52,654; Nov. 12; v. 256; p. 430.
Furniture and casket decorations and interior and exterior decorations, Manufactured figure for. A. M. Holstein. No. 52,747; Dec. 10; v. 257; p. 390.
Furniture and caskets and for interior and exterior decorations, Manufactured figure for brackets for. A. M. Holstein. No. 52,076; June 4; v. 251; p. 214.
Furniture and caskets and for interior and exterior decorations, Manufactured pediment figure for. A. M. Holstein. No. 52,075; June 4; v. 251; p. 214.
Furniture and caskets and interior and exterior decorations, Panel for. A. M. Holstein. No. 52,744; Dec. 10; v. 257; p. 390.
Furniture and caskets, interior and exterior decorations, Panel for. A. M. Holstein. No. 52,575; Oct. 15; v. 255; p. 586.
Furniture, casket, interior, or exterior decoration. A. M. Holstein. Nos. 52,096–8; June 11; v. 251; p. 443.
Furniture, casket, interior or exterior decoration. A. M. Holstein. No. 52,574; Oct. 15; v. 255; p. 585.
Furniture, casket, interior, or exterior decoration. A. M. Holstein. No. 52,743; Dec. 10; v. 257; p. 390.
Furniture, casket, interior, or exterior decoration. A. M. Holstein. No. 52,746; Dec. 10; v. 257; p. 390.
Furniture, casket, interior or exterior decoration. A. M. Holstein. Nos. 52,794–6; Dec. 24; v. 257; p. 805.
Furniture, casket, interior or exterior decoration, Manufactured figure for. A. M. Holstein. No. 52,577; Oct. 15; v. 255; p. 586.
Furniture, casket, interior, or exterior decoration, Manufactured figure for. A. M. Holstein. No. 52,748; Dec. 10; v. 257; p. 390.
Furniture, casket, interior or exterior decoration, Manufactured pediment figure for. A. M. Holstein. No. 52,576; Oct. 15; v. 255; p. 586.
Furniture, casket, interior, or exterior decoration, Panel ornament for. A. M. Holstein. Nos. 52,655–6; Nov. 12; v. 256; p. 430.
Furniture, caskets, and interior and exterior decorations, Border ornament for. A. M. Holstein. No. 52,074; June 4; v. 251; p. 213.
Furniture, caskets, and interior and exterior decorations, Post ornament for. A. M. Holstein. No. 52,742; Dec. 10; v. 257; p. 389.
Furniture, caskets, and interior and exterior decorations, Post ornament for. A. M. Holstein. No. 52,745; Dec. 10; v. 257; p. 390.
Furniture, casket, interior or exterior decoration. A. M. Holstein. No. 52,166; July 9; v. 252; p. 484.
Furniture, Clock-case and base attachment for articles of. M. I. Vinoberatz. No. 52,516; Oct. 1; v. 255; p. 144.
Furniture-panel. E. E. Rewick. No. 51,762; Feb. 12; v. 247; p. 452.
Game-board. J. D. Allardice. No. 52,691; Nov. 19; v. 256; p. 618.
Game-board. R. Brocklebank. No. 52,034; May 14; v. 250; p. 491.
Game-board. L. Brown. No. 51,713; Feb. 5; v. 247; p. 214.
Game-board. R. Creifelds. No. 52,784; Dec. 24; v. 257; p. 803.
Game-board. W. J. Donne. No. 52,210; July 23; v. 252; p. 941.
Game-board. C. J. Heylmann. No. 52,394; Sept. 10; v. 254; p. 429.
Game-board. A. McPhaden. No. 52,827; Dec. 31; v. 257; p. 1065.
Game-board. W. Meyer. No. 52,540; Oct. 8; v. 255; p. 350.
Game-board. B. A. M. Munson. No. 51,755; Feb. 12; v. 247; p. 451.
Game-board. W. H. Reeves. No. 51,735; Feb. 5; v. 247; p. 218.
Game-board. W. G. Young. Nos. 51,743–4; Feb. 5; v. 247; pp. 219–20.
Game-board. W. G. Young. No. 51,830; Feb. 26; v. 247; p. 950.
Game-card. H. V. A. Loring. Nos. 52,612–15; Oct. 29; v. 255; pp. 1038–9.
Game counters or registers, Case for. D. L. Murchey. No. 52,670; Nov. 12; v. 256; p. 433.
Game device. E. L. Pitt. No. 52,288; Aug. 20; v. 253; p. 722.
Garment, Child's one-piece. S. E. Davis. No. 51,674; Jan. 8; v. 246; p. 549.
Garment, Lady's. R. J. Hickson. No. 52,319; Aug. 27; v. 253; p. 929.
Garment-rack. J. D. Barber. No. 52,777; Dec. 24; v. 257; p. 802.
Garments, Shirts or similar body-. W. H. Dutcher. No. 52,640; Nov. 12; v. 256; p. 428.
Garter, Man's. M. B. Hammond. Nos. 52,133–5; July 2; v. 252; p. 223.

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Gas-heater. O. Metzner. Nos. 52,514–15; Oct. 1; v. 255; p. 144.
Gas-heater. G. F. Reznor. Nos. 51,760–61; Feb. 12; v. 247; p. 452.
Gasolene-dispenser. J. H. Brady. No. 52,383; Sept. 10; v. 254; p. 428.
Ginger-ale. W. E. Tanner. No. 122,411; Aug. 13; v. 253; p. 509.
Glass article. A. J. Bennett. No. 52,554; Oct. 15; v. 255; p. 582.
Glass article. A. J. Bennett. No. 52,693; Nov. 19; v. 256; p. 618.
Glass bowl. M. A. Smith. No. 52,121; June 18; v. 251; p. 659.
Glass or china vessel. C. L. Reizenstein. No. 52,498; Sept. 24; v. 254; p. 849.
Glass plate or other similar article. C. L. Reizenstein. No. 52,344; Aug. 27; v. 253; p. 933.
Glass plate or similar article. C. L. Reizenstein. No. 52,171; July 9; v. 252; p. 485.
Glass, Refracting cover-. W. Churchill. Nos. 52,635–6; Nov. 12; v. 256; p 427.
Glass vessel. T. C. Heisey. No. 51,984; Apr. 23; v. 249; p. 967.
Glass vessel or similar article. T. A. Shanley. No. 51,938; Apr. 2; v. 249; p. 221.
Goblet. J. O. Balda. No. 52,622; Nov. 12; v. 256; p. 425.
Goblet. T. C. Helsey. No. 52,652; Nov. 12; v. 256; p. 430.
Goblet, Ice-cream. F. M. Dunn. No. 52,094; June 11; v. 251; p. 443.
Goblet or similar article. F. Schneider. No. 51,738; Feb. 5; v. 247; p. 218.
Goblet, Soda-. F. M. Dunn. No. 52,093; June 11; v. 251; p. 442.
Goggles, Pair of. L. C. King. No. 52,323; Aug. 27; v. 253; p. 929.
Golf-ball. J. C. Robertson. No. 52,706; Nov. 19; v. 256; p. 620.
Golf-ball. A. Turner. No. 52,712; Nov. 19; v. 256; p. 621.
Golf-ball. P. A. Vaile. No. 52,500; Sept. 24; v. 254; p. 849.
Graphophone-case. W. H. Friedline. No. 52,644; Nov. 12; v. 256; p. 428.
Graphophone-case. W. H. Friedline. No. 52,735; Dec. 10; v. 257; p. 388.
Grater-casing. L. Gruntman. No. 52,475; Sept. 24; v. 254; p. 844.
Grave-marker. J. Lawton. No. 51,647; Jan. 1; v. 246; p. 276.
Gum and mint case. L. W. Buchenau. No. 52,558; Oct. 15; v. 255; p. 583.
Gun, Grease-. H. H. Pretzel. No. 51,817; Feb. 26; v. 247; p. 947.
Hair-pin. S. E. Creech and P. Bland. No. 52,036; May 14; v. 250; p. 492.
Hammers, Head for fencing-. J. F. Burr. No. 51,773; Feb. 12; v. 247; p. 454.
Handle for a spoon, fork, or similar article. S. V. James. No. 52,579; Oct. 15; v. 255; p. 586.
Handle-grip. T. R. Palmer. No. 52,489; Sept. 24; v. 254; p. 847.
Harp. D. Campbell. No. 51,918; Apr. 2; v. 249; p. 218.
Hat. M. Svenda. No. 52,591; Oct. 15; v. 255; p. 589.
Hat or similar article. S. Greenberg. No. 52,112; June 18; v. 251; p. 658.
Hat-pin or analogous article. N. Baruch. No. 51,914; Apr. 2; v. 249; p. 217.
Hay-rack cleat. C. A. Lowe. No. 52,664; Nov. 12; v. 256; p. 432
Headlight cover-glass. W. Churchill. No. 52,384; Sept. 10; v. 254; p. 428.
Headlight cover-glass. H. P. Gage and E. Pascucci. No. 52,436; Sept. 17; v. 254; p. 642.
Headlight front plate. P. H. Howard. No. 51,970; Apr. 16; v. 249; p. 723.
Headlight-lens. G. A. Arndt. No. 52,503; Oct. 1; v. 255; p. 142.
Headlight-lens. G. A. Luks. No. 51,648; Jan. 1; v. 246; p. 276.
Headlight, Shade for an artificial light and lens for an automobile-. D. J. Branning. No. 52,631; Nov. 12; v. 256; p. 426.
Headlights, Lens for auto-. A. W. Marshall. No. 52,282; Aug. 20; v. 253; p. 721.
Heater guard, Electrical-. F. Kuhn and J. A. Hand. No. 52,328; Aug. 27; v. 253; p. 930.
Heel-plate. G. Palombo. No. 52,584; Oct. 15; v. 255; p. 588.
Heel, Rubber. G. A. Huben. No. 52,137; July 2; v. 252; p. 223.
Helmet. B. Budweiser. No. 52,781; Dec. 24; v. 257; p. 802.
Helmet, Trench-. W. E. Webb, Jr., and G. L. Close. No. 52,294; Aug. 20; v. 253; p. 723.
Hinge. D. Guca. No. 52,476; Sept. 24; v. 254; p. 844.
Hinge, Door-. O. C. Rixson. No. 52,117; June 18; v. 251; p. 658.
Hollow ware. Article of. H. E. Nock. No. 52,830; Dec. 31; v. 257; p. 1065.
Honor-pin. H. W. Peters. No. 52,342; Aug. 27; v. 253; p. 932.
Hose. B. V. Hallgreen. Nos. 52,568–71; Oct. 15; v. 255; pp. 584–5.
Hosiery-rack. A. P. Heinen. No. 52,738; Dec. 10; v. 257; p. 389.
Hot-water receptacle and a fountain-syringe, Convertible. T. F. Manley. No. 52,078; June 4; v. 251; p. 214.
Ice-cream spoon, disher, or similar device. J. Bluhm. No. 52,250; Aug. 6; v. 253; p. 242.
Incense-burner. H. Katakawa and K. Maejima. No. 52,322; Aug. 27; v. 253; p. 929.
Inhaler. L. S. Leon. No. 51,813; Feb. 26; v. 247; p. 946.
Inhaler. F. Lobl. No. 52,330; Aug. 27; v. 253; p. 930.
Inkstand. P. Pasznicki. No. 52,543; Oct. 8; v. 255; p. 351.
Inkstand. F. A. Weeks. No. 52,029; May 7; v. 250; p. 240.
Inkstand-cover. F. A. Weeks. No. 52,030; May 7; v. 250; p. 240.
Insect-destroyer body. G. C. Tucker. No 51,818; Feb. 26; v. 247; p. 947.
Insignia. R. H. Turner. No. 52,685; Nov. 12; v. 256; p. 435.
Insulator, Strain-. J. H. Kendig. No. 52,139; July 2; v. 252; p. 224.
Jewel-setting. P. Silbermann. No. 52,755; Dec. 10; v. 257; p. 392.
Jewelry-gallery. T. Mountford. No. 52,243; July 30; v. 252; p. 1129.
Jewelry pin, brooch, or similar article of personal wear. C. W. Lapham, Jr. No. 52,279; Aug. 20; v. 253; p. 720.
Juice-extractor. W. Straub. No. 52,684; Nov. 12; v. 256; p. 435.
Jump-ring coupling. W. J. Gagnon. No. 52,132; July 2; v. 252; p. 223.
Kettle-cover holder. S. Strelak. No. 52,356; Aug. 27; v. 253; p. 935.
Knife and fork, Combined. T. T. Mathieson. No. 52,045; May 14; v. 250; p. 493.
Knife, Paring-. W. A. Berkshire. No. 51,772; Feb. 12; v. 247; p. 454.
Knitting-stand. F. E. Hill. No. 52,530; Oct. 8; v. 255; p. 349.
Knitting, Yarn-holder for. A. E. Johnson. No. 51,925; Apr. 2; v. 249; p. 219.
Label. W. I. Shugg. No. 52,812; Dec. 24; v. 257; p. 808.
Label. H. Soth. No. 51,845; Mar. 5; v. 248; p. 212.
Lace. M. Felix. No. 52,401; Sept. 10; v. 254; p. 431.
Lace. A. P. Huber. Nos. 51,726–8; Feb. 5; v. 247; pp. 216–17.
Lace. A. P. Huber. No. 52,138; July 2; v. 252; p. 224.
Lace. A. Redfern. No. 52,146; July 2; v. 252; p. 225.
Lace. C. J. Watters. No. 51,896; Mar. 19; v. 248; p. 747.
Lace. E. Zullig. No. 51,745; Feb. 5; v. 247; p. 220.
Lace. E. Zullig. No. 51,769; Feb. 12; v. 247; p. 454.
Lace, Embroidered. H. Schwarber. Nos. 51,698–700; Jan. 15; v. 246; p. 811.
Lace fabric. E. A. Saywell. No. 51,797; Feb. 19; v. 247; p. 726.
Lace fabric. E. A. Saywell. No. 52,351; Aug. 27; v. 253; p. 934.
Lace, Filet. E. Zullig. Nos. 51,770–71; Feb. 12; v. 247; p. 454.
Lace, Filet. E. Zullig. No. 51,803; Feb. 19; v. 247; p. 727.
Lace, Filet. E. Zullig. No. 51,872; Mar. 12; v. 248; p. 482.
Lacing-hook. H. V. Rau. No. 52,544; Oct. 8; v. 255; p. 351.
Lamp. L. V. Aronson. No. 52,248; Aug. 6; v. 253; p. 241.
Lamp. C. B. Cole. No. 51,978; Apr. 23; v. 249; p. 966.
Lamp. N. Lipsky. Nos. 51,902–3; Mar. 26; v. 248; p. 988.
Lamp. L. C. Tiffany. No. 51,800; Feb. 19; v. 247; p. 726.
Lamp and street sign, Combination. M. Coppinger. No. 51,774; Feb. 12; v. 247; p. 455.
Lamp base, Portable electric-. A. W. Wellington. No. 51,848; Mar. 5; v. 248; p. 213.
Lamp-body. W. J. Avery. No. 52,107; June 18; v. 251; p. 656.
Lamp-bowl holders, Ring for. S. Jankelson. No. 52,221; July 23; v. 252; p. 943.
Lamp, Candle-. H. H. Will. No. 51,686; Jan. 8; v. 246; p. 551.
Lamp-casing. J. L. Dawes. No. 52,208; July 23; v. 252; p. 940.
Lamp-casing. E. A. Hawthorne. No. 52,073; June 4; v. 251; p. 213.
Lamp-casing. E. A. Hawthorne. No. 52,512; Oct. 1; v. 255; p. 144.
Lamp casing, Arc-. I. Eachus. No. 52,211; July 23; v. 252; p. 941.
Lamp casing, Automobile-. E. H. Belden. No. 52,300; Aug. 27; v. 253; p. 926.
Lamp-chimney. S. Jankelson. No. 52,056; May 28; v. 250; p. 978.

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Lamp, Electric. L. R. Wellman. No. 52,259; Aug. 6; v. 253; p. 243.
Lamp, Electric. C. Yennow. No. 52,517; Oct. 1; v. 255; p. 144.
Lamp-fixture. N. Macbeth. Nos. 51,649–52; Jan. 1; v. 246; pp. 276–7.
Lamp-fixture. F. A. Vaughn. No. 51,998; Apr. 30; v. 249; p. 1198.
Lamp fixture, Electric-. S. W. Farber. No. 52,251; Aug. 6; v. 253; p. 242.
Lamp-globe. C. A. Campbell. No. 51,876; Mar. 19; v. 248; p. 743.
Lamp-globe. H. D. McFaddin. No. 51,904; Mar. 26; v. 248; p. 988.
Lamp-hood. N. Rosen. No. 52,080; June 4; v. 251; p. 214.
Lamp-lens. E. J. Lynch. No. 51,928; Apr. 2; v. 249; p. 219.
Lamp-lens. T. C. Tussey and W. D. Shaw. No. 52,360; Aug. 27; v. 253; p. 935.
Lamp, Portable electric. W. E. Pearson and H. G. O'Neill. Nos. 51,972–3; Apr. 16; v. 249; p. 724.
Lamp-post. F. A. Vaughn. No. 51,997; Apr. 30; v. 249; p. 1198.
Lamp post and bracket. F. A. Vaughn. No. 51,999; Apr. 30; v. 249; p. 1199.
Lamp-shade. G. J. Bauer. No. 52,172; July 16; v. 252; p. 724.
Lamp-shade. I. L. French. No. 51,923; Apr. 2; v. 249; p. 219.
Lamp-shade or similar plaited article. A. Krauss. No. 52,513; Oct. 1; v. 255; p. 144.
Lamp-shell body. S. Jankelson. No. 52,452; Sept. 17; v. 254; p. 644.
Lamp-socket cover. S. Jankelson. No. 52,057; May 28; v. 250; p. 978.
Lamp socket, Gas-. N. Cozatsky. No. 51,854; Mar. 12; v. 248; p. 479.
Lamp-socket hood. H. D'Olier, Jr. No. 51,756; Feb. 12; v. 247; p. 451.
Lamp-stand. F. K. Maerz. No. 52,044; May 14; v. 250; p. 493.
Lamp, Vehicle-. T. I. Duffy. No. 51,778; Feb. 19; v. 247; p. 722.
Lamp, Vehicle-. D. D. King. No. 51,901; Mar. 26; v. 248; p. 988.
Lamps, Commercial unit for nitrogen-. B. Newland. No. 52,063; May 28; v. 250; p. 979.
Lamps, Commercial unit for nitrogen-. B. Newland. No. 52,403; Sept. 10; v. 254; p. 431.
Lantern, Electric. M. Deckert. No. 52,308; Aug. 27; v. 253; p. 927.
Lantern-globe. F. Dietz. No. 51,721; Feb. 5; v. 247; p. 215.
Lantern, Portable electric. W. Grether. No. 52,237; July 30; v. 252; p. 1128.
Lantern, Portable electric. W. Grether. No. 52,391; Sept. 10; v. 254; p. 429.
Lantern, Portable electric. W. Grether. No. 52,567; Oct. 15; v. 255; p. 584.
Lathe cabinet-stand. H. Dalton. No. 51,897; Mar. 26; v. 248; p. 987.
Leaf-spring-lubricating tool. C. W. Manzel. No. 51,729; Feb. 5; v. 247; p. 217.
Lens. E. A. Hawthorne. No. 51,725; Feb. 5; v. 247; p. 216.
Lens. S. Marcus. No. 52,079; June 4; v. 251; p. 214.
Lens-clip. J. C. Wells. No. 51,775; Feb. 12; v. 247; p. 455.
Lens-clip. J. C. Wells. No. 51,911; Mar. 26; v. 248; p. 990.
Lens, Dimming-. E. Dickey. No. 51,752; Feb. 12; v. 247; p. 451.
Light-filter. B. Irwin. No. 52,400; Sept. 10; v. 254; p. 430.
Light-filter. B. Irwin. No. 52,660; Nov. 12; v. 256; p. 431.
Light-globe. F. Schwartz. No. 51,890; Mar. 19; v. 248; p. 746.
Light-reflecting bowls, Clamp for. C. E. Jones. No. 51,811; Feb. 26; v. 247; p. 946.
Light-transmitting bowls, Hanger for. E. L. White. No. 52,000; Apr. 30; v. 249; p. 1199.
Lighting-fixture. H. C. Adam. Nos. 51,669–70; Jan. 8; v. 246; p. 548.
Lighting-fixture. H. C. Adam. No. 51,701; Jan. 22; v. 246; p. 1011.
Lighting-fixture. H. C. Adam. No. 51,967; Apr. 16; v. 249; p. 723.
Lighting-fixture. H. C. Adam. No. 51,992; Apr. 30; v. 249; p. 1197.
Lighting-fixture. H. C. Adam. No. 52,422; Sept. 17; v. 254; p. 640.
Lighting-fixture. H. C. Adam. No. 52,462; Sept. 24; v. 254; p. 842.
Lighting-fixture. H. C. Adam. Nos. 52,596–9; Oct. 29; v. 255; p. 1036.
Lighting-fixture. D. L. Bean. No. 52,299; Aug. 27; v. 253; p. 926.
Lighting-fixture. D. L. Bean. No. 52,553; Oct. 15; v. 255; p. 582.
Lighting-fixture. F. S. Crowell. No. 52,603; Oct. 29; v. 255; p. 1037.
Lighting-fixture. B. Gothberg. No. 51,781; Feb. 19; v. 247; p. 723.
Lighting-fixture. E. F. Guth. No. 51,983; Apr. 23; v. 249; p. 967.
Lighting-fixture. E. F. Guth. No. 52,477; Sept. 24; v. 254; p. 844.
Lighting-fixture. E. F. Guth. No. 52,611; Oct. 29; v. 255; p. 1038.
Lighting-fixture. F. K. Maerz. No. 52,772; Dec. 17; v. 257; p. 629.
Lighting-fixture. E. C. McKinnie. No. 51,865; Mar. 12; v. 248; p. 481.
Lighting-fixture arm. A. Meng. Nos. 51,731–2; Feb. 5; v. 247; p. 217.
Lighting-fixture arm. A. Meng. No. 51,754; Feb. 12; v. 247; p. 451.
Lighting-fixture. H. E. Murphy. No. 51,905; Mar. 26; v. 248; p. 988.
Lighting-fixture. H. E. Murphy. No. 51,971; Apr. 16; v. 249; p. 723.
Lighting-fixture. H. Rubin. No. 51,660; Jan. 1; v. 246; p. 278.
Lighting-fixture. G. V. Strahan. No. 52,412; Sept. 10; v. 254; p. 432.
Lighting-fixture arm. M. Klein. No. 51,862; Mar. 12; v. 248; p. 480.
Lighting-fixture bowl. A. Wahle. No. 52,418; Sept. 10; v. 254; p. 433.
Lighting-fixture bowl. F. Yokel. No. 51,741; Feb. 5; v. 247; p. 219.
Lighting fixture, Indirect-. H. J. Farrar. No. 52,641. Nov. 12; v. 256; p. 428.
Lighting-fixture reflector, Semi-indirect. H. C. Adam. No. 52,001; May 7; v. 250; p. 235.
Lighting-fixture shade or reflector. F. Yokel. No. 51,742; Feb. 5; v. 247; p. 219.
Lighting-fixture urn. H. C. Adam. No. 51,991; Apr. 30; v. 249; p. 1197.
Lighting-fixtures, Arm for. F. S. Crowell. No. 52,602; Oct. 29; v. 255; p. 1037.
Lighting-fixtures, Plate for. L. R. Wellman. No. 51,801; Feb. 19; v. 247; p. 727.
Lighting-fixtures, Socket-cover for. G. Westphal. No. 52,366; Aug. 27; v. 253; p. 936.
Lighting-post. V. H. Roehrich. No. 52,254; Aug. 6; v. 253; p. 242.
Lighting unit, Semidirect or indirect. R. G. Wagner and E. J. Schweitzer. No. 52,619; Oct. 29; v. 255; p. 1040.
Link. E. C. Stacy. No. 52,589; Oct. 15; v. 255; p. 588.
Linoleum, oil-cloth, or floor-covering. C. M. Post. Nos. 52,180–93; July 16; v. 252; pp. 725–7.
Lip-retractor. H. Friedman. No. 52,566; Oct. 15; v. 255; p. 584.
Lip-retractor. H. Friedman. No. 52,645; Nov. 12; v. 256; p. 428.
Locket, fob, or similar article. C. Mitrano. No. 52,338; Aug. 27; v. 253; p. 932.
Loom-frame. E. M. De Neergaard. No. 52,697; Nov. 18; v. 256; p. 619.
Mail stamp, Soldier's. T. Akiyama. No. 52,621; Nov. 12; v. 256; p. 424.
Match-box. R. Labudde. No. 52,253; Aug. 6; v. 253; p. 242.
Measuring-instrument casing, Electrical-. W. H. Day. No. 51,968; Apr. 16; v. 249; p. 723.
Measuring-machines or the like, Casing for. J. C. Gebhart. No. 51,969; Apr. 16; v. 249; p. 723.
Medal. J. J. Lindanger. No. 51,863; Mar. 12; v. 248; p. 481.
Medal. C. W. Tann. No. 51,940; Apr. 2; v. 249; p. 221.
Medal, locket, pin, fob, pendant, or similar article. P. M. McNary. No. 51,966; Apr. 9; v. 249; p. 491.
Medallion, Individual service-. F. H. Bronner. No. 52,203; July 23; v. 252; p. 940.
Memorial article. A. Jaegers. No. 52,797; Dec. 24; v. 257; p. 805.
Memorial band. M. E. and M. N. Phoebus. No. 52,404; Sept. 10; v. 254; p. 431.
Memorial honor-band. M. E. and M. N. Phoebus. No. 52,752; Dec. 10; v. 257; p. 391.
Memorial tablet. J. S. Armour and G. Moretti. No. 51,850; Mar. 12; v. 248; p. 478.
Mirror. M. Brown. No. 51,916; Apr. 2; v. 249; p. 217.
Mirror, brush, or similar toilet article. W. S. Bechtold. No. 51,832; Mar. 5; v. 248; p. 209.
Mirror, brush, or similar toilet article. W. S. Bechtold. No. 52,111; June 18; v. 251; p. 657.
Mirror, brush, or similar toilet article, Hand-. G. H. Berry. Nos. 52,504–7; Oct. 1; v. 255; pp. 142–3.
Mirror-pedestal. E. L. Nelson. No. 52,169; July 9; v. 252; p. 485.
Mirrors, brushes, and similar articles, Back for. F. H. La Pierre. No. 52,771; Dec. 17; v. 257; p. 629.
Molding or welt. R. C. Schemmel. No. 51,804; Feb. 19; v. 247; p. 727.
Monument. W. A. Arnold. No. 52,015; May 7; v. 250; p. 237.
Motor-bus body. H. B. Weaver. No. 51,740; Feb. 5; v. 247; p. 219.

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Motor casing, Electric-. E. M. Waring. No. 52,293; Aug. 20; v. 253; p. 723.
Mud-guard and luggage-carrier, Combined. G. Roesch. No. 52,709; Nov. 19; v. 256; p. 621.
Musical instrument. G. J. McVey. No. 52,539; Oct. 8; v. 255; p. 350.
Nail-set. W. Dziezyc. No. 52,310; Aug. 27; v. 253; p. 927.
Needle-threading device. G. Stachura. No. 51,892; Mar. 19; v. 248; p. 746.
Needles, Guard for the ends of knitting-. H. A. Sadler. No. 52,775; Dec. 17; v. 257; p. 630.
Nuts, Tool for applying and removing lock-. C. A. Baumler. No. 52,262; Aug. 20; v. 253; p. 718.
Ophthalmic mounting. G. H. Day. No. 52,509; Oct. 1; v. 255; p. 143.
Overalls, Pair of. T. Pisarro. No. 52,115; June 18; v. 251; p. 658.
Overhow and waste fixture. H. F. Goetz. No. 52,040; May 14; v. 250; p. 492.
Package-tie fastener. H. A. Duncan. No. 52,563; Oct. 15; v. 255; p. 584.
Panel for furniture, caskets, and interior and exterior decorations. A. M. Holstein. No. 52,160; July 9; v. 252; p. 483.
Panic-bolt. H. G. Voight. No. 51,768; Feb. 12; v. 247; p. 453.
Paper-cutter or similar article. W. Speitel. No. 52,105; June 11; v. 251; p. 444.
Paper doily. F. Conrad. No. 52,234; July 30; v. 252; p. 1127.
Paper hat, Novelty. A. Rice. Nos. 52,147–9; July 2; v. 252; p. 225.
Paper moistener, Wall-. H. A. Quade. No. 52,618; Oct. 29; v. 255; p. 1039.
Paper or paper-pulp cups, bowls, and dishes. The Daisy Cup Company. No. 122,408; Aug. 13; v. 253; p. 509.
Paper, Wall-. R. Barnes. No. 52,625; Nov. 12; v. 256; p. 425.
Parasol. B. A. Schedler. No. 52,545; Oct. 8; v. 255; p. 351.
Paste, Adhesive. The Patent Cereals Co. No. 122,410; Aug. 13; v. 253; p. 509.
Pen-rack. H. Haupt. No. 52,216; July 23; v. 252; p. 942.
Pen-rack. F. A. Weeks. No. 52,295; Aug. 20; v. 253; p. 723.
Pencil. E. J. Morten. No. 51,931; Apr. 2; v. 249; p. 220.
Pencil-clip. J. W. Nunn. No. 52,144; July 2; v. 252; p. 225.
Pencil-pointers, Chip-receptacle for. A. P. Wilson. Nos. 52,549–50; Oct. 8; v. 255; p. 352.
Perambulators, Running-gear frame for. A. J. Adams. No. 52,201; July 23; v. 252; p. 939.
Perfume-holder. G. Best. No. 52,728; Dec. 10; v. 257; p. 387.
Pharmaceutical preparations for toilet purposes, Certain named. E. R. Berry. No. 122,407; Aug. 13; v. 253; p. 509.
Phonograph-cabinet. J. D. Adams. No. 52,260; Aug. 20; v. 253; p. 717.
Phonograph-cabinet. A. Berkovitz and S. Fried. No. 51,630; Jan. 1; v. 246; p. 273.
Phonograph-cabinet. J. Herzog. No. 52,393; Sept. 10; v. 254; p. 429.
Phonograph-cabinet. H. Kovell. No. 52,536; Oct. 8; v. 255; p. 350.
Phonograph-cabinet. K. F. Matthews. Nos. 52,101–3; June 11; v. 251; p. 444.
Phonograph-cabinet. F. H. Newton. No. 51,696; Jan. 15; v. 246; p. 811.
Phonograph-cabinet. F. H. Newton. No. 52,541; Oct. 8; v. 255; p. 350.
Phonograph-cabinet. F. H. Newton. No. 52,672; Nov. 12; v. 256; p. 433.
Phonograph-cabinet. J. Wolff. Nos. 52,031–2; May 7; v. 250; p. 240.
Phonograph-cabinet. J. Wolff. Nos. 52,367–73; Aug. 27; v. 253; pp. 936–7.
Phonograph-cabinet. J. Wolff. No. 52,551; Oct. 8; v. 255; p. 352.
Phonograph-cabinet. J. Wolff. Nos. 52,716–19; Nov. 19; v. 256; p. 622.
Phonograph-cabinet and hall-clock case, Combined. F. P. Read and W. W. Parsons. No. 52,194; July 16; v. 252; p. 728.
Phonograph case or cabinet. E. Forrest. No. 52,214; July 23; v. 252; p. 941.
Phonograph case or cabinet. M. F. Giaimo. No. 52,700; Nov. 19; v. 256; p. 619.
Photo-frame. W. B. Nichols. No. 52,143; July 2; v. 252; p. 224.
Photograph-holder. I. Becker and S. Perell. No. 52,519; Oct. 8, v. 255; p. 347.
Photograph-mount. H. M. Rose. No. 52,406; Sept. 10; v. 254; p. 431.
Picture-frame. J. Benko. Nos. 52,017–18; May 7; v. 250; p. 237.
Picture-frame. J. Benko. No. 52,173; July 16; v. 252; p. 724.
Picture-frame. F. Doherty. No. 52,510; Oct. 1; v. 255; p. 143.
Picture-frame. W. Ericksen. No. 51,855; Mar. 12; v. 248; p. 479.
Picture-frame. J. J. Frankowiak. No. 52,761; Dec. 10; v. 257; p. 393.
Picture-frame. R. Schmidt. No. 52,679; Nov. 12; v. 256; p. 434.
Picture-frame. J. E. Tondl. No. 51,941; Apr. 2; v. 249; p. 232.
Picture-frame. C. H. Tuttle. No. 52,231; July 23; v. 252; p. 944.
Picture-frame. G. T. Washburn. No. 52,548; Oct. 8; v. 255; p. 352.
Picture-frame, Ornamental. P. Balistreri. No. 52,233; July 30; v. 252; p. 1127.
Picture-holder. Z. Orizaroff. No. 52,177; July 16; v. 252; p. 725.
Pilaster for furniture, casket, interior or exterior decoration. A. M. Holstein. No. 52,161; July 9; v. 252; p. 483.
Pillow-top. J. S. Millin. No. 51,733; Feb. 5; v. 247; p. 218.
Pin. E. E. Hughes. No. 52,658; Nov. 12; v. 256; p. 431.
Pin, badge, or like article. J. A. Sworbel. No. 52,414; Sept. 10; v. 254; p. 433.
Pin, Brooch-. A. C. Brown. No. 52,780; Dec. 24; v. 257; p. 802.
Pin, brooch, button, emblem, ring, or article of a similar nature. H. P. Gardner and G. W. Bear. No. 52,646; Nov. 12; v. 256; p. 429.
Pin, Hat-. L. Morford. No. 52,669; Nov. 12; v. 256; p. 432.
Pin, Memorial. J. M. Scrogin. No. 52,196; July 16; v. 252; p. 728.
Pin or similar article of manufacture. J. Myers. No. 52,705; Nov. 19; v. 256; p. 620.
Pin-point protector. L. Price. No. 52,290; Aug. 20; v. 253; p. 722.
Pin, Stick-. C. E. Peck. No. 52,552; Oct. 8; v. 255; p. 352.
Pincushion. L. G. Ormson. No. 52,542; Oct. 8; v. 255; p. 351.
Pipe-clamp. J. P. Moniea. No. 52,402; Sept. 10; v. 254; p. 431.
Pitcher. A. J. Sanford. No. 52,347; Aug. 27; v. 253; p. 933.
Pitcher. A. J. Sanford. No. 52,675; Nov. 12; v. 256; p. 433.
Pitcher or similar article. R. R. Kintz. No. 52,324; Aug. 27; v. 253; p. 929.
Pitchers, Casing for vacuum-insulated. G. P. Altenberg. No. 52,002; May 7; v. 250; p. 235.
Planter, Seed-. M. B. Wyatt. No. 51,709; Jan. 29; v. 246; p. 1179.
Plaque. A. Vieira. No. 52,198; July 16; v. 252; p. 728.
Plaque or similar figure for furniture, caskets, and building walls and ceilings, Manufactured. A. M. Holstein. Nos. 52,532–5; Oct. 8; v. 255; p. 349.
Plate, Bread and butter. J. L. Kraus. No. 52,278; Aug. 20; v. 253; p. 720.
Plate or similar article. A. Beyrand. Nos. 51,873–5; Mar. 19; v. 248; p. 743.
Plate or similar article. A. E. Mayer. No. 52,335; Aug. 27; v. 253; p. 931.
Plate, plaque, or similar article. T. F. Martin. No. 52,666; Nov. 12; v. 256; p. 432.
Plier, Grape-fruit. C. L. Brouwer-Ancher. No. 52,557; Oct. 15; v. 255; p. 583.
Pocket-case. F. W. Harvey, Jr. No. 52,176; July 16; v. 252; p. 724.
Powder-container. E. Hoffman. No. 52,793; Dec. 24; v. 257; p. 804.
Powder-receptacle. E. Hoffman. No. 52,480; Sept. 24; v. 254; p. 845.
Printer's-case stand. J. E. Glagnon and O. B. Anderson. No. 52,095; June 11; v. 251; p. 443.
Pump-casing. G. W. Mackenzie, Jr., and R. Crowder. No. 51,986; Apr. 23; v. 249; p. 967.
Pump casing, Curb-. A. A. Bowser. No. 51,712; Feb. 5; v. 247; p. 214.
Puzzle. H. Detreux and B. Lovatt. No. 51,720; Feb. 5; v. 247; p. 215.
Rack. J. C. Miller. No. 51,987; Apr. 23; v. 249; p. 967.
Radiator. W. B. Engler. No. 52,267; Aug. 20; v. 253; p. 718.
Radiator, Automobile-. R. De Schaum. No. 52,038; May 14; v. 250; p. 492.
Radiator, Automobile-. W. F. Melhuish, Jr. No. 51,706; Jan. 22; v. 246; p. 1012.
Radiator-cap. J. P. Deranek. No. 52,698; Nov. 19; v. 256; p. 619.
Radiator-emblem. P. C. Whaley. No. 52,420; Sept. 10; v. 254; p. 434.
Radiator novelty. W. A. Uttz. No. 51,976; Apr. 16; v. 249; p. 724.
Railway-spike. A. A. Groh. No. 52,511; Oct. 1; v. 255; p. 143.
Railway-spike. R. N. Perovich. No. 52,773; Dec. 17; v. 257; p. 630.
Railway-tie plate. I. L. Edwards. No. 52,157; July 9; v. 252; p. 483.

Alphabetical list of designs—Continued.

Range. J. E. Leonard. No. 52,454; Sept. 17; v. 254; p. 644.
Receptacle. O. H. Nickerson. No. 52,805; Dec. 24; v. 257; p. 806.
Receptacle-closure. D. Bloom. No. 51,851; Mar. 12; v. 248; p. 479.
Reflector, Single-unit. R. S. Giese. No. 51,690; Jan. 15; v. 246; p. 810.
Refracting cover-glass. H. P. Gage and E. Pascucci. No. 52,437; Sept. 17; v. 254; p. 642.
Refrigerator drip-pan. V. Nitecki. No. 52,488; Sept. 24; v. 254; p. 847.
Register, Duplex. J. M. Triggs. No. 52,086; June 4; v. 251; p. 215.
Ribbon. G. Schnitzler. No. 52,680; Nov. 12; v. 256; p. 434.
Ribbon holder, Hair-. R. Marcher. No. 52,051; May 21; v. 250; p. 752.
Ribbon tip, Lingerie-. M. A. Patterson. No. 52,587; Oct. 15; v. 255; p. 588.
Ring. J. J. Abelson. No. 51,687; Jan. 15; v. 246; p. 809.
Ring. N. Gorod. No. 52,790; Dec. 24; v. 257; p. 804.
Ring. S. H. Lyons. No. 51,864; Mar. 12; v. 248; p. 481.
Ring. J. A. Sworbel. No. 52,415; Sept. 10; v. 254; p. 433.
Ring. J. C. Whitehouse. No. 52,014; May 7; v. 250; p. 237.
Ring, brooch, or similar article of jewelry, Finger-. C. C. Gildner. No. 52,314; Aug. 27; v. 253; p. 928.
Ring, Finger-. J. Boylan. No. 52,779; Dec. 24; v. 257; p. 802.
Ring, Finger-. M. Gaffin. No. 52,788; Dec. 24; v. 257; p. 804.
Ring, Finger-. N. H. Lovegrove. No. 51,682; Jan. 8; v. 246; p. 550.
Ring, Finger-. D. K. Moore. Nos. 51,929–30; Apr. 2; v. 249; p. 220.
Ring, Finger-. F. C. A. Richardson. No. 51,763; Feb. 12; v. 247; p. 452.
Ring, Finger-. J. Simmons. No. 51,891; Mar. 19; v. 248; p. 646.
Ring or similar article, Finger-. D. F. Green. No. 51,981; Apr. 23; v. 249; p. 966.
Ring or similar article, Finger-. W. Loeb. No. 51,814; Feb. 26; v. 247; p. 946.
Ring or similar article, Finger-. W. A. Streeter. No. 52,757; Dec. 10; v. 257; p. 392.
Ring or similar article, Finger-. H. H. Walker. Nos. 51,665–8; Jan. 1; v. 246; pp. 279–80.
Ring or similar article of jewelry, Finger-. A. T. Brown. No. 52,467; Sept. 24; v. 254; p. 843.
Ring or similar article of jewelry, Finger-. H. J. A. Skipp. No. 52,353; Aug. 27; v. 253; p. 934.
Ring or similar article of jewelry, Finger-. C. H. Spencer. No. 52,028; May 7; v. 250; p. 240.
Ring or similar article of jewelry, Finger-. C. H. Spencer. No. 52,047; May 14; v. 250; p. 493.
Ring or similar article of jewelry, Finger-. C. H. Spencer. Nos. 52,229–30; July 23; v. 252; p. 944.
Ring, Scottish-rite. L. Krauss. No. 52,326; Aug. 27; v. 253; p. 930.
Rocker, Child's. J. W. Dwyer. No. 51,806; Feb. 26; v. 247; p. 945.
Rompers, Children's. W. I. Zidell. No. 52,720; Nov. 19; v. 256; p. 622.
Roofing, Sheet-. T. J. Lords. No. 52,538; Oct. 8; v. 255; p. 350.
Rope-clutch. J. E. Knuckey. No. 52,662; Nov. 12; v. 256; p. 431.
Rope-thimble. J. B. Baxter. No. 52,110; June 18; v. 251; p. 657.
Rouge-container. W. G. Kendall. Nos. 52,041–2; May 14; v. 250; p. 493.
Rubber heel. L. E. Meyer. No. 51,815; Feb. 26; v. 247; p. 947.
Rug. J. L. Brown. No. 51,776; Feb. 19; v. 247; p. 722.
Rug. J. Enis. No. 51,779; Feb. 19; v. 247; p. 723.
Rug. H. C. Lacouture. No. 51,784; Feb. 19; v. 247; p. 724.
Rug. W. McCabe. No. 51,787; Feb. 19; v. 247; p. 724.
Rug. L. Minassian. Nos. 51,788–90; Feb. 19; v. 247; pp. 724–5.
Rug. W. A. Spring. Nos. 51,798–9; Feb. 19; v. 247; p. 726.
Rug, carpet, or similar article. R. A. Kafka. No. 51,842; Mar. 5; v. 248; p. 211.
Rug, carpet, or similar article. W. Walker. No. 51,847; Mar. 5; v. 248; p. 212.
Rug, carpet, or similar article. J. H. Witzel. No. 51,849; Mar. 5; v. 248; p. 213.
Rug, Grass. O. T. Waite. Nos. 51,819–28; Feb. 26; v. 247; pp. 948–50.
Rug, Grass. O. T. Waite. Nos. 51,907–10; Mar. 26; v. 248; p. 989.
Saw-setting tool. C. W. Chipps and A. L. Hartman. No. 52,428; Sept. 17; v. 254; p. 640.
Scabbard. G. E. Curtiss. No. 52,037; May 14; v. 250; p. 492.
Scale-cabinets, Mirror-front for. J. B. Watling. Nos. 52,714–15; Nov. 19; v. 256; pp. 621–2.
Scale-casing. C. H. Hapgood. No. 52,768; Dec. 17; v. 257; p. 629.
Scale-casing. H. O. Hem. No. 51,692; Jan. 15; v. 246; p. 810.
Scale-casing. H. O. Hem. No. 51,809; Feb. 26; v. 247; p. 946.
Scale casing, Computing-. J. W. Ball. No. 52,109; June 18; v. 251; p. 657.
Scale housing, Weighing-. W. S. Smith. No. 52,756; Dec. 10; v. 257; p. 392.
Scale, Weighing-. T. W. B. Watling. No. 52,620; Oct. 29; v. 255; p. 1039.
Scraper-holder. J. B. Cheiver and J. Burcham. No. 52,765; Dec. 17; v. 257; p. 628.
Service-roll. E. P. Shaw. No. 52,754; Dec. 10; v. 257; p. 391.
Sewing-cabinet. E. Humphrey. No. 52,219; July 23; v. 252; p. 942.
Sewing-machine frame. J. R. Berger, Jr. Nos. 52,376–7; Aug. 27; v. 253; p. 938.
Shade and pole bracket, Window. M. Bosnjak. No. 52,265; Aug. 20; v. 253; p. 718.
Shade-bowl. J. Beiswanger. No. 52,003; May 7; v. 250; p. 235.
Shade, Combined bowl and diffusing-. G. W. Cassidy. No. 52,521; Oct. 8; v. 255; p. 347.
Shade, reflector, or similar article. F. L. Grant. No. 51,883; Mar. 19; v. 248; p. 745.
Shell, Shotgun-. L. A. and H. E. Sherman. No. 51,974; Apr. 16; v. 249; p. 724.
Shoe. H. L. Johnson. Nos. 51,644–6; Jan. 1; v. 246; pp. 275–6.
Shoe-heels, Tread-plate for. I. Henne. No. 52,529; Oct. 8; v. 255; p. 348.
Shoe-sole, Metal. M. V. Brunk. No. 52,729; Dec. 10; v. 257; p. 387.
Shoe-upper or similar article. G. Davison. No. 52,525; Oct. 8; v. 255; p. 348.
Shoes, Ankle-guard for. E. S. Bott. No. 52,630; Nov. 12; v. 256; p. 426.
Shoulder-strap. W. H. Loomis. Nos. 52,280–1; Aug. 20; v. 253; p. 721.
Show-case for shoulder-arms. F. Manning. No. 52,223; July 23; v. 252; p. 943.
Sifter-top or similar receptacle. M. H. Connor. No. 52,305; Aug. 27; v. 253; p. 927.
Sign, Danger-. W. L. Chandler. No. 51,631; Jan. 1; v. 246; p. 273.
Sign-digit. A. F. Wirsching. No. 52,375; Aug. 27; v. 253; p. 938.
Sign, Outdoor. E. E. Erickson. Nos. 52,007–8; May 7; v. 250; p. 236.
Sign-post. D. S. McDannell, Jr. Nos. 52,750–1; Dec. 10; v. 257; p. 391.
Sign, Road-. K. Lutes. No. 52,332; Aug. 27; v. 253; p. 931.
Sign, Traffic-. J. H. Tavenner. No. 52,416; Sept. 10; v. 254; p. 433.
Signal. G. D. Fogarty. No. 52,607; Oct. 29; v. 255; p. 1038.
Signal apparatus, Casing for. L. Angiulli and E. T. Monteleone. No. 52,106; June 18; v. 251; p. 656.
Signal housing and support. J. R. Dunlap. No. 52,235; July 30; v. 252; p. 1128.
Sinks, Pipe-bracket for wash-. D. Bale. No. 52,623; Nov. 12; v. 256; p. 425.
Skirt-trousers. W. Sanda. No. 52,245; July 30; v. 252; p. 1130.
Slipper. F. J. Blum. No. 51,711; Feb. 5; v. 247; p. 213.
Smoker's outfit. D. L. Graff. No. 52,736; Dec. 10; v. 257; p. 388.
Smoker's tray. L. Cartier. No. 52,560; Oct. 15; v. 255; p. 583.
Soap and the like, Casing of a dispenser for grit-. E. Bruder. No. 52,069; June 4; v. 251; p. 213.
Soap, Cake of. R. W. Neff. No. 51,995; Apr. 30; v. 249; p. 1198.
Soap, Cake of. P. K. Williams. No. 51,802; Feb. 19; v. 247; p. 727.
Soap-dispenser. W. F. Hatch. No. 51,691; Jan. 15; v. 246; p. 810.
Sole. C. R. Haynes. No. 52,217; July 23; v. 252; p. 942.
Sole for footwear. P. J. Finneran. No. 52,565; Oct. 15; v. 255; p. 584.
Sole, Shoe-. H. L. Johnson. No. 51,643; Jan. 1; v. 246; p. 275.
Sound-box. P. Rudert. No. 52,081; June 4; v. 251; p. 215.
Sound-box casing. J. Wolff. No. 52,155; July 2; v. 252; p. 226.
Sound-producing instruments, Casing for. L. MacLachlan. No. 51,653; Jan. 1; v. 246; p. 277.
Sound-producing instruments, Casing for. L. MacLachlan. No. 51,786; Feb. 19; v. 247; p. 724.
Sound-producing instruments, Casing for automatic. W. H. Eggebrecht. Nos. 52,526–7; Oct. 8; v. 255; p. 348.
Spade, Adjustable. G. Palombo. No. 52,583; Oct. 15; v. 255; p. 587.
Spark-plug. J. D. Grummon. No. 51,982; Apr. 23; v. 249; p. 966.
Spectacle-frame. O. U. Desha. No. 51,955; Apr. 9; v. 249; p. 490.
Spectacles, Nose-bridge and brace-piece for. F. Willson. No. 52,123; June 18; v. 251; p. 659.

Alphabetical list of designs—Continued.

Spike-bar. L. B. Baird and B. H. Harper. No. 52,052; May 28; v. 250; p. 977.
Spool-holder or toy. R. Fredericks. No. 52,819; Dec. 31; v. 257; p. 1063.
Spoon, fork, or similar article. H. Hillbom. No. 52,769; Dec. 17; v. 257; p. 629.
Spoon, fork, or similar article. F. Kaupmann. No. 52,168; July 9; v. 252; p. 485.
Spoon, fork, or similar article. A. G. Kintz. No. 52,222; July 23; v. 252; p. 943.
Spoon, fork, or similar article. F. Le Bron. No. 52,581; Oct. 15; v. 255; p. 587.
Spoon, fork, or similar article. G. C. Lunt. No. 52,665; Nov. 12; v. 256; p. 432.
Spoon, fork, or similar article. F. E. Pretat. No. 51,655; Jan. 1; v. 246; p. 277.
Spoon, fork, or similar article. F. Schwinn. No. 52,082; June 4; v. 251; p. 215.
Spoon, fork, or similar article. B. Shane. No. 52,831; Dec. 31; v. 257; p. 1065.
Spoon, fork, or similar article. H. L. Wallace. No. 52,362; Aug. 27; v. 253; p. 936.
Spoon, fork, or similar article. H. L. Wallace. No. 52,834; Dec. 31; v. 257; p. 1066.
Spoon, fork, or similar article, Handle for. G. E. Ball. No. 52,249; Aug. 6; v. 253; p. 242.
Spoon, fork, or similar article, Handle for. S. J. Large. No. 51,785; Feb. 19; v. 247; p. 724.
Spoon, fork, or similar article, Handle for. A. H. Staf. No. 51,766; Feb. 12; v. 247; p. 453.
Spoon, fork, or similar article, Handle for a. H. Hebbard. No. 52,113; June 18; v. 251; p. 657.
Spoon, Medicine-. A. L. Westbrook. No. 52,688; Nov. 12; v. 256; p. 435.
Spot-light body. H. J. Sauer. No. 52,348; Aug. 27; v. 253; p. 933.
Spout for cooking utensils. G. L. Harrison. No. 52,317; Aug. 27; v. 253; p. 928.
Sprinkler-body. A. K. Brauer. No. 52,427; Sept. 17; v. 254; p. 640.
Sprinkler-head link element. F. J. Fee. No. 51,807; Feb. 26; v. 247; p. 945.
Stall, Metal. R. F. Carpenter. No. 51,672; Jan. 8; v. 246; p. 548.
Stand, Aseptic. H. J. Bosworth. No. 52,778; Dec. 24; v. 257; p. 802.
Stand, Bowl, globe, or plate. K. Booth. No. 51,805; Feb. 26; v. 247; p. 945.
Statue. W. D. Paddock. No. 51,816; Feb. 26; v. 247; p. 947.
Statuette. M. Boscacci. No. 51,671; Jan. 8; v. 246; p. 548.
Statuette. W. Polacheck. No. 52,289; Aug. 20; v. 253; p. 722.
Statuette and similar article or ornament. E. Davis. No. 52,639; Nov. 12; v. 256; p. 427.
Statuette or table ornament. A. Kaufman. No. 52,277; Aug. 20; v. 253; p. 720.
Statuette or toy figure. E. A. F. Scott. No. 51,765; Feb. 12; v. 247; p. 453.
Steam-jet oven-cleaner. S. S. Francis. No. 52,699; Nov. 19; v. 256; p. 619.
Steering-column brace. J. T. Corley. No. 52,429; Sept. 17; v. 254; p. 641.
Sterilizing device. J. P. Eustis. Nos. 52,604–6; Oct. 29; v. 255; pp. 1037–8.
Stirrup, Top-roll-saddle. O. L. Owen. No. 52,145; July 2; v. 252; p. 225.
Stock-support, Adjustable. W. C. Loehrig. No. 52,100; June 11; v. 251; p. 444.
Stove. M. R. Lebman. No. 52,141; July 2; v. 252; p. 224.
Stove, Combination heating and lighting. G. W. Brown. No. 52,520; Oct. 8; v. 255; p. 347.
Stove, Gas-. A. H. Humphrey. No. 51,642; Jan. 1; v. 246; p. 275.
Stove, Heating-. L. S. Lawson. No. 52,058; May 28; v. 250; p. 978.
Stove, Oil-. F. E. White and F. E. Hooper. No. 52,501; Sept. 24; v. 254; p. 849.
Stringed instruments, Finger-rest for. W. I. Kirk. No. 52,661; Nov. 12; v. 256; p. 431.
Suit, Woman's. C. Ferguson. Nos. 51,956–7; Apr. 9; v. 249; p. 490.
Support or stand. W. J. H. Strong. No. 52,255; Aug. 6; v. 253; p. 243.
Sword-handle. J. Sordyka. No. 52,354; Aug. 27; v. 253; p. 934.
Table. J. C. Demarest. No. 51,836; Mar. 5; v. 248; p. 210.
Table, Legless. N. A. Weare. No. 51,977; Apr. 16; v. 249; p. 724.
Table, Luncheon-. J. P. C. Von Carlsberg. No. 51,943; Apr. 2; v. 249; p. 232.
Tableware article, China. F. L. Hollweg and C. Firth. No. 52,653; Nov. 12; v. 256; p. 430.
Tack, Thumb-. R. Nathan. No. 52,487; Sept. 24; v. 254; p. 847.
Tag, Identification-. L. J. Groth. No. 52,392; Sept. 10; v. 254; p. 429.
Talcum-powder box. H. R. Corey. No. 52,472; Sept. 24; v. 254; p. 843.
Talking-machine cabinet. C. P. Casson. Nos. 51,834–5; Mar. 5; v. 248; p. 210.
Talking-machine cabinet. E. T. Kieffer. Nos. 51,693–4; Jan. 15; v. 246; pp. 810–11.
Talking-machine cabinet. J. S. Pontone. Nos. 51,758–9; Feb. 12; v. 247; p. 452.
Talking-machine cabinet. S. S. and J. B. Schiff. Nos. 51,933–7; Apr. 2; v. 249; pp. 220–1.
Talking-machine cabinets, Grille for. C. Hine. Nos. 52,395–9; Sept. 10; v. 254; p. 430.
Talking-machine tone-arm. F. Cirelli. No. 51,718; Feb. 5; v. 247; p. 215.
Tapestry or wall-covering. M. W. Jackson. No. 51,782; Feb. 19; v. 247; p. 723.
Teapot or similar article. R. R. Kintz. No. 52,325; Aug. 27; v. 253; p. 930.
Teapot or similar article. S. G. Wilkes. No. 52,502; Sept. 24; v. 254; p. 849.
Teething device. F. Valenta. No. 52,087; June 4; v. 251; p. 216.
Telephone-stand, Desk. O. F. Forsberg. No. 52,010; May 7; v. 250; p. 236.
Temple. L. Poeton. No. 51,654; Jan. 1; v. 246; p. 277.
Textile fabric. A. P. Papin. No. 51,843; Mar. 5; v. 248; p. 211.
Thermos receptacle. J. Stein. No. 52,085; June 4; v. 251; p. 215.
Thimble. S. R. Schaff. No. 52,811; Dec. 24; v. 257; p. 807.
Thimble, Thread-cutting. T. B. Gates. No. 52,012; May 7; v. 250; p. 236.
Tire. F. M. Hale and F. C. McLaughlin. No. 52,055; May 28; v. 250; p. 978.
Tire. J. E. Hale. No. 52,650; Nov. 12; v. 256; p. 429.
Tire. J. E. Hale. No. 52,701; Nov. 19; v. 256; p. 619.
Tire. J. W. Jones. No. 51,783; Feb. 19; v. 247; p. 724.
Tire. A. Kanzee. Nos. 52,702–4; Nov. 19; v. 256; p. 620.
Tire. E. J. Kraft. No. 51,994; Apr. 30; v. 249; p. 1197.
Tire. H. J. Leab. No. 52,329; Aug. 27; v. 253; p. 930.
Tire. G. H. Lewis. No. 52,027; May 7; v. 250; p. 239.
Tire. J. W. Richardson. No. 52,227; July 23; v. 252; p. 944.
Tire. C. A. Shriver. No. 51,996; Apr. 30; v. 249; p. 1198.
Tire. J. Tenney, Jr. No. 52,067; May 28; v. 250; p. 980.
Tire. T. J. Whalen. No. 51,829; Feb. 26; v. 247; p. 950.
Tire, Automobile-. J. F. Arnold. No. 52,725; Dec. 10; v. 257; p. 387.
Tire, Automobile-. W. Bruess. No. 51,917; Apr. 2; v. 249; p. 217.
Tire, Automobile-. J. Froehlich. No. 52,026; May 7; v. 250; p. 239.
Tire, Automobile-. J. B. McDevitt and M. Greenspan. No. 52,062; May 28; v. 250; p. 979.
Tire, Automobile-. C. W. Reynolds. No. 51,736; Feb. 5; v. 247; p. 218.
Tire-casing. A. L. Breitenstein. Nos. 52,303–4; Aug. 27; v. 253; p. 926.
Tire-casing. L. P. Destribats. Nos. 52,430–1; Sept. 17; v. 254; p. 641.
Tire-casing. W. C. Owen. No. 52,170; July 9; v. 252; p. 485.
Tire-casing. H. A. Phillips and J. G. Stamm. No. 52,178; July 16; v. 252; p. 725.
Tire-casing. H. A. Phillips and J. G. Stamm. No. 52,459; Sept. 17; v. 254; p. 645.
Tire-casing. S. R. Vasbinder. No. 52,122; June 18; v. 251; p. 659.
Tire-casing. O. L. Weaver. No. 52,153; July 2; v. 252; p. 226.
Tire-casing. O. L. Weaver. No. 52,686; Nov. 12; v. 256; p. 435.
Tire, Elastic vehicle-. A. L. Breitenstein. No. 52,266; Aug. 20; v. 253; p. 718.
Tire, Elastic vehicle-. T. J. Edwards. Nos. 52,731–2; Dec. 10; v. 257; p. 388.
Tire-lug. F. C. Poling. No. 52,343; Aug. 27; v. 253; p. 932.
Tire, Non-skid. G. F. Armstrong. No. 52,298; Aug. 27; v. 253; p. 925.
Tire, Non-skid. W. A. Stevens. No. 51,975; Apr. 16; v. 249; p. 724.
Tire, Pneumatic. J. C. Cole. No. 52,054; May 28; v. 250; p. 978.
Tire, Pneumatic. H. H. Hazeltine. No. 52,822; Dec. 31; v. 257; p. 1064.
Tire, Pneumatic. C. L. Landon. No. 52,749; Dec. 10; v. 257; p. 391.
Tire, Pneumatic. R. M. Pierson. Nos. 51,866–7; Mar. 12; v. 248; p. 481.
Tire, Resilient. H. H. Hewitt. No. 51,898; Mar. 26; v. 248; p. 987.
Tire, Resilient. H. H. Hewitt. No. 52,573; Oct. 15; v. 255; p. 585.
Tire-tool. J. Bjornlie. No. 52,601; Oct. 29; v. 255; p. 1037.
Tire-tread. D. M. Mason. No. 51,683; Jan. 8; v. 246; p. 550.
Tire-tread. W. E. Shively. No. 51,939; Apr. 2; v. 249; p. 221.

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Tire tread-block. M. G. Loew. No. 52,331; Aug. 27; v. 253; p. 931.
Tire, Vehicle-. A. L. Breitenstein. Nos. 51,746–7; Feb. 5; v. 247; p. 220.
Tire, Vehicle-. C. J. Hodges. No. 52,114; June 18; v. 251; p. 658.
Tire, Vehicle-. A. J. Musselman. No. 52,224; July 23; v. 252; p. 943.
Tire, Vehicle-. B. H. Pratt. No. 52,116; June 18; v. 251; p. 658.
Tire, Vehicle-. A. F. Seiberling. No. 51,697; Jan. 15; v. 246; p. 811.
Tire, Vehicle-. G. S. Towne. No. 51,895; Mar. 19; v. 248; p. 747.
Tire, Vehicle-. A. E. Wing. No. 52,232; July 23; v. 252; p. 944.
Toilet preparations, Commercial container of. A. C. Blatzek. No. 52,068; June 4; v. 251; p. 212.
Tongue-depressor. L. D. Jacoby. No. 52,766; Dec. 17; v. 257; p. 628.
Tool, Combination-. L. V. Aronson. No. 52,157; July 9; v. 252; p. 483.
Tool, Combination-. T. H. Tabor. No. 52,592; Oct. 15; v. 255; p. 589.
Tool-handle. J. M. Hargrave. No. 51,641; Jan. 1; v. 246; p. 275.
Tool-holder. F. W. Trabold. No. 52,417; Sept. 10; v. 254; p. 433.
Tooth-repair-material-shade guide. W. L. Smith. No. 52,683; Nov. 12; v. 256; p. 435.
Toy. J. L. Friedman. Nos. 51,838–9; Mar. 5; v. 248; p. 211.
Toy. J. F. Jarrell. No. 51,924; Apr. 2; v. 249; p. 219.
Toy. E. H. Swetland. No. 52,048; May 14; v 250; p. 493.
Toy. E. H. Swetland. Nos. 52,358–9; Aug. 27; v. 253; p. 935.
Toy automobile. G. Marqua, Sr. No. 51,730; Feb. 5; v. 247; p. 217.
Toy balloon. F. J. Creque. No. 52,129; July 2; v. 252; p. 222.
Toy balloon or similar article. J. S. Sears. No. 52,352; Aug. 27; v. 253; p. 934.
Toy bank. A. H. Sander. No. 51,932; Apr. 2; v. 249; p. 220.
Toy block, Child's. H. J. Schmelzer. No. 52,546; Oct. 8; v. 255; p. 351.
Toy cannon. J. Dittrick. No. 51,675; Jan. 8; v. 246; p. 549.
Toy chair. E. E. Roberts. No. 51,659; Jan. 1; v. 246; p. 278.
Toy, Child's. A. N. Schanschieff. No. 52,291; Aug. 20; v. 253; p. 722.
Toy, Figure. G. G. Drayton. Nos. 52,021–5; May 7; v. 250; pp. 238–9.
Toy head-block. R. E. Humbert. No. 52,289; July 30; v. 252; p. 1128.
Toy head-block. R. E. Humbert. No. 52,659; Nov. 12; v. 256; p. 431.
Toy head-block. R. E. Humbert. No. 52,823; Dec. 31; v. 257; p. 1064.
Toy, Hollow rubber figure. F. F. Ziegler. Nos. 52,199–200; July 16; v. 252; p. 729.
Toy or kazoo, Musical. A. Cohn. No. 52,471; Sept. 24; v. 254; p. 843.
Toy windmill, Head of a. T. M. Samour. No. 52,674; Nov. 12; v. 256; p. 433.
Tractor-body. H. Ford. No. 52,609; Oct. 29; v. 255; p. 1038.
Tractor-dash. H. Ford. No. 52,608; Oct. 29; v. 255; p. 1038.
Tractor radiator and tank assembly. H. Ford. No. 52,734; Dec. 10; v. 257; p. 388.
Tray. A. F. Howland. No. 52,657; Nov. 12; v. 256; p. 430.
Tray, Boudoir-. R. R. Scheibe. No. 52,678; Nov. 12; v. 256; p. 434.
Tray, Serving-. E. S. McVicker. No. 52,486; Sept. 24; v. 254; p. 847.
Trousers. M. A. Selsor. No. 52,470; Sept. 24; v. 254; p. 843.
Trumpet. E. A. Couturier. No. 52,473; Sept. 24; v. 254; p. 844.
Type, Font of. M. F. Benton. Nos. 51,945–52; Apr. 9; v. 249; pp. 488–9.
Type, Font of. W. F. Capitain. No. 51,953; Apr. 9; v. 249; p. 489.
Type, Font of. F. W. Goudy. Nos. 51,958–9; Apr. 9; v. 249; p. 490.
Type, Font of. C. C. Marder. Nos. 51,963–5; Apr. 9; v. 249; p. 491.
Type, Font of. W. Ransom. No. 52,460; Sept. 17; v. 254; p. 645.
Type-writer frame. J. T. Cosman. No. 52,696; Nov. 19; v. 256; p. 619.
Urn, Dispensing-. J. A. Franklin. No. 52,011; May 7; v. 250; p. 236.
Valve-seat remover. A. McNair. No. 51,705; Jan. 22; v. 426; p. 1011.
Vehicle-body. A. F. Hewitt and H. F. Waters. No. 52,740; Dec. 10; v. 257; p. 389.
Vehicle-body, Juvenile. F. E. Southard. No. 52,547; Oct. 8; v. 255; p. 352.
Vehicle, Child's. J. W. Arney. No. 52,247; Aug. 6; v. 253; p. 241.
Vehicle, Child's. H. W. Longfellow. No. 52,241; July 30; v. 252; p. 1129.
Vehicle, Child's. R. N. Wilkinson. No. 52,154; July 2; v. 252; p. 226.
Vehicle, Hand-propelled. I. W. Bennett. No. 52,424; Sept. 17; v. 254; p. 640.
Vehicles, Instrument-board for. J. Berg. No. 51,702; Jan. 22; v. 246; p. 1011.
Vehicles, Seat-body for children's. C. W. White. No. 52,814; Dec. 24; v. 257; p. 808.
Vehicles, Steering post and wheel for children's. C. W. White. No. 52,815; Dec. 24; v. 257; p. 808.
Veiling. Z. Van. Raalte. No. 51,791; Feb. 19; v. 247; p. 725.
Velocipede. R. E. Booth. No. 52,694; Nov. 19; v. 256; p. 618.
Velocipede. A. A. Thompson. No. 52,833; Dec. 31; v. 257; p. 1066.
Vending machine, Postage-stamp-. C. D. Pruitt. Nos. 51,656–8; Jan. 1; v. 246; p. 278.
Vending-machines, Front for. O. Jaegar. Nos. 52,481–2; Sept. 24; v. 254; pp. 845–6.
Waffle-iron. P. De Sabato. No. 51,661; Jan. 1; v. 246; p. 279.
Wall-rack. L. A. Lemke. No. 52,485; Sept. 24; v. 254; p. 846.
Washboard. O. Korn. No. 52,483; Sept. 24; v. 254; p. 846.
Washboards, Soap-rest for. H. J. Gilbert. No. 52,236; July 30; v. 252; p. 1128.
Washer, Spring-retaining. J. E. Blackmore. No. 52,425; Sept. 17; v. 254; p. 640.
Washing-machine casing. O. G. Pfeiffer. No. 52,065; May 28; v. 250; p. 980.
Waste-basket. E. H. Derry. No. 52,158; July 9; v. 252; p. 483.
Watch bow and boat. J. McGrevy. No. 52,336; Aug. 27; v. 253; p. 931.
Watch-bracelet, End connector for a. G. U. Meyer. No. 52,668; Nov. 12; v. 256; p. 432.
Watch case and bow. J. McGrevy. Nos. 52,455–8; Sept. 17; v. 254; p. 644–5.
Watch, Case and dial for a wrist-. J. Daving. No. 52,764; Dec. 17; v. 257; p. 628.
Watch-charm. J. Train. No. 51,739; Feb. 5; v. 247; p. 219.
Watch-charm or similar article. H. C. Karpen. No. 51,985; Apr. 23; v. 249; p. 967.
Watch-cover or similar article. M. Weiner and W. Loeb. No. 52,835; Dec. 31; v. 257; p. 1066.
Watch cover, Wristlet-. L. Jacot. No. 52,220; July 23; v. 252; p. 942.
Watch-holder. P. Pasznicki. No. 52,064; May 28; v. 250; p. 980.
Watch protector, Wrist-. S. Heimberg. No. 52,271; Aug. 20; v. 253; p. 219.
Watches, Clasp or buckle for straps or ribbons of wrist-. R. King. Nos. 51,860–1; Mar. 12; v. 248; p. 480.
Watchcase. B. Glasman. No. 52,316; Aug. 27; v. 253; p. 928.
Watchcase appendage. A. W. Wadsworth. No. 52,461; Sept. 17; v. 254; p. 645.
Water bottle, syringe, bag, or similar article. T. W. Miller. No. 52,616; Oct. 29; v. 255; p. 1039.
Water-closet-bowl floor-plate. J. B. and A. Lukomski. No. 52,059; May 28; v. 250; p. 978.
Water-closet tank. A. F. Curtin. No. 52,524; Oct. 8; v. 255; p. 348.
Water-coil. C. G. Trefethen. No. 51,846; Mar. 5; v. 248; p. 212.
Weather-vane. J. Kibble. No. 52,252; Aug. 6; v. 253; p. 242.
Weather-vane or lightning-rod ornament. P. Mohrmann. Nos. 52,339–41; Aug. 27; v. 253; p. 932.
Weather-vane or lightning-rod ornament. H. F. Voshardt. No. 52,361; Aug. 27; v. 253; p. 935.
Well and cistern cover. A. E. Lyle. No. 51,704; Jan. 22; v. 246; p. 1011.
Wheel. A. H. Ackerman. No. 52,297; Aug. 27; v. 253; p. 925.
Wheel. A. W. Ferrin and A. H. Ackerman. No. 52,312; Aug. 27; v. 253; p. 928.
Wheel. G. Walther. No. 52,594; Oct. 15; v. 255; p. 589.
Wheel, Vehicle-. R. H. West. No. 52,687; Nov. 12; v. 256; p. 435.
Window. H. Mathewson. No. 52,061; May 28; v. 250; p. 979.
Window-wedge. A. Milleman. No. 52,828; Dec. 31; v. 257; p. 1065.
Wire-stretcher. S. O. Widell. No. 51,912; Mar. 26; v. 248; p. 990.
Woven fabric or similar article. E. F. Curtis. No. 52,307; Aug. 27; v. 253; p. 927.
Wreath, Funeral-. J. Farda. No. 52,786; Dec. 24; v. 257; p. 803.

ALPHABETICAL LIST OF TRADE-MARKS.

Abrasive, detergent, and polishing materials, Certain named. The Big Wizard Chemical Co. No. 121,856; June 11; v. 251; p. 457.
Abrasive, detergent, and polishing materials, Certain named. Norton Company. No. 121,482; Apr. 30; v. 249; p. 1220.
Abrasive, detergent, and polishing materials, Certain named. B. Rosenthal. No. 123,162; Oct. 15; v. 255; p. 607.
Accounting or computing transactions, Compartmental cases for use in. Fast Systems Company. No. 120,565; Feb. 19; v. 247; p. 741.
Acid, Tungstic. Foote Mineral Co. No. 121,886; June 11; v. 251; p. 458.
Adding and calculating machines. Accounting Machine Company. No. 120,698; Mar. 5; v. 248; p. 229.
Adhesive material. Bemis Manufacturing Associates. No. 123,087; Oct. 15; v. 255; p. 605.
Aero-propellers. Schweizer and West Manufacturing Company. No. 120,299; Jan. 29; v. 246; p. 1201.
Aeroplane-propeller. Davenport-Brown Co. No. 123,897; Dec. 17; v. 257; p. 643.
Aeroplanes. A. V. Roe & Co. No. 122,103; June 25; v. 251; p. 836.
Agricultural implements, Certain named. Towers & Sullivan Mfg. Co. No. 121,358; Apr. 23; v. 249; p. 982.
Aguardiente, (brandies and whiskies.) A. Morales. No. 122,728; Sept. 10; v. 254; p. 447.
Alcohol, Ethyl. International Alcohol Corporation. No. 124,001; Dec. 31; v. 257; p. 1076.
Alcohol, Solidified. Silver & Co. No. 122,921; Sept. 24; v. 254; p. 863.
Ale. The James Hanley Brewing Company. No. 121,128; Apr. 9; v. 249; p. 503.
Ale, lager, and porter. Eagle Brewing Co. No. 120,361; Feb. 5; v. 247; p. 238.
Alfalfa, alfalfa-meal, pinto-beans. Southern Colorado Lumber Co. No. 121,568; May 7; v. 250; p. 252.
Alfalfa-meal. The Denver Alfalfa Milling & Products Co. No. 123,986; Dec. 31; v. 257; p. 1075.
Alimentary pastes. Guano & Raggio. No. 122,022; June 18; v. 251; p. 671.
Alimentary pastes. Guano & Reggio. No. 122,792; Sept. 17; v. 254; p. 651.
Alimentary pastes covering all kinds of macaroni. Guano & Raggio. No. 122,158; July 2; v. 252; p. 242.
Alloys, Ferrosilicon. United States Alloys Corporation. No. 120,456; Feb. 5; v. 247; p. 241.
Alloys, Pyrophoric or sparking metal. New Process Metals Co. No. 123,150; Oct. 15; v. 255; p. 607.
Alloys, Type-metal. Syracuse Smelting Works. No. 123,172; Oct. 15; v. 255; p. 607.
Almanac. H. E. Ware. Nos. 121,526–7; Apr. 30; v. 249; p. 1221.
Alterative for the treatment of eczema, scrofula, syphilis, &c. The Wendt-Bristol Co. No. 122,934; Sept. 24; v. 254; p. 864.
Aluminum alloys. United Smelting & Aluminum Company. No. 120,803; Mar. 5; v. 248; p. 232.
Aluminum oxid and aluminum oxid of various degrees of purity for various purposes, Pure. Norton Company. No. 120,882; Mar. 12; v. 248; p. 497.
Ant-exterminator, Chemical. Thames Drug Company. No. 122,246; July 9; v. 252; p. 581.
Ant-poison. Bowman Drug Co. No. 120,065; Jan. 8; v. 246; p. 563.
Anti-anemic preparations. Oriental Drug Co. No. 122,608; Aug. 27; v. 253; p. 950.
Antifreezing liquid for automobile-radiators and gas-engines. Aksala Company. No. 121,844; June 11; v. 251; p. 457.
Antifreezing liquids. Caloil Manufacturing Company. No. 120,339; Feb. 5; v. 247; p. 238.
Antifriction devices in the nature of hardware for certain use, Roller. A. E. O'Brien. No. 121,484; Apr. 30; v. 249; p. 1220.
Antipyrin derivative. Société Chimique des Usines du Rhone (Anciennement Gilliard, P. Monnet et Cartier). No. 122,752; Sept. 10; v. 254; p. 447.
Antiseptic. Schieffelin & Co. No. 122,744; Sept. 10; v. 254; p. 447.
Antiseptic for surgical purposes, Packaged. Davis & Geck. No. 123,026; Oct. 8; v. 255; p. 361.
Antiseptic powder. Diatol Chemical Company. No. 120,360; Feb. 5; v. 247; p. 238.
Antiseptics, Certain named. E. Jackson. No. 123,448; Nov. 12; v. 256; p. 448.
Antiseptics, germicides, and deodorants. General Laboratories. No. 120,110; Jan. 8; v. 246; p. 564.
Apparel, Certain named wearing-. O. A. Berman. No. 123,781; Dec. 10; v. 257; p. 403.
Apple-butter, fruit preserves, and jellies. Best-Clymer Manufacturing Company. No. 121,038; Apr. 2; v. 249; p. 231.
Apples and pears, Fresh. Wenatchee-Northern Warehouse & Marketing Co. No. 120,458; Feb. 5; v. 247; p. 241.
Apples, Fresh. Brewster-Bridgeport Growers. No. 120,824; Mar. 12; v. 248; p. 495.
Apples, Fresh. Dufur Orchard Co-owners Co. No. 121,420; Apr. 30; v. 249; p. 1218.
Apples, Fresh. Northern Fruit Company. No. 121,811; May 28; v. 250; p. 995.
Apples, Fresh. Oxford Bear's Fruit Growers Association. No. 123,267; Oct. 22; v. 255; p. 825.
Apples, Fresh. Pacific Fruit & Produce Co. No. 121,091; Apr. 2; v. 249; p. 233.
Apples, Fresh. White Bros. & Crum Co. Nos. 121,112–13; Apr. 2; v. 249; p. 233.
Apples, Fresh. White Bros. & Crum Co. No. 122,361; July 23; v. 252; p. 959.
Apples, Fresh. Yakima Valley Fruit Growers Association. Nos. 122,629–30; Aug. 27; v. 253; p. 951.
Apples in boxes, Fresh. Manuel Brothers Company. No. 122,151; July 2; v. 252; p. 242.
Apples in boxes, Fresh. Okanogan Growers' Union. No. 120,896; Mar. 12; v. 248; p. 497.
Apples, peaches, pears, and plums, Fresh. E. D. McCain. No. 121,131; Apr. 9; v. 249; p. 503.
Apricots and prunes, Dried. California Prune and Apricot Growers. No. 121,593; May 14; v. 250; p. 509.
Aprons. Sears, Roebuck and Co. No. 122,621; Aug. 27; v. 253; p. 950.
Arch-support and heel-cushion, Combined. J. L. Carlton. No. 120,549; Feb. 19; v. 247; p. 741.
Arch-supports. J. J. Keys. No. 122,714; Sept. 10; v. 254; p. 446.
Art panels or placques, plain tablets, &c. Celluloid Company. No. 123,792; Dec. 10; v. 257; p. 403.
Articles made of compounds of pyroxylin, Certain named. The Celluloid Company. No. 123,020; Oct. 8; v. 255; p. 361.
Articles made of compounds of pyroxylin, Certain named. Celluloid Company. No. 123,553; Nov. 19; v. 256; p. 640.
Asbestos table-pads. Kerney Manufacturing Company. No. 121,188; Apr. 16; v. 249; p. 736.
Athletic supporters, jockey-straps, and suspensory bandages. Sharp & Smith. No. 120,786; Mar. 5; v. 248; p. 231.
Atomizers and nebulizers. The De Vilbiss Manufacturing Company. No. 120,253; Jan. 29; v. 246; p. 1199.
Atomizers or spraying instruments for medical and surgical purposes. The De Vilbiss Manufacturing Company. No. 121,547; May 7; v. 250; p. 251.
Auto-body and furniture polishes. Red Line Inc. No. 124,044; Dec. 31; v. 257; p. 1077.
Auto-radiators, Liquid for. A. Arent. No. 120,704; Mar. 5; v. 248; p. 229.
Automobile and furniture polish. A. W. Marcks. No. 120,889; Mar. 12; v. 248; p. 497.
Automobile and furniture polish. J. M. Mettler. No. 123,145; Oct. 15; v. 255; p. 607.
Automobile and furniture polishes. J. M. Cramer. No. 121,874; June 11; v. 251; p. 458.
Automobile attachments for converting them into trucks. Ralston Iron Works. No. 121,823; May 28; v. 250; p. 995.
Automobile brakes, ventilators, and truck attachments. Master Equipment Company. No. 120,605; Feb. 19; v. 247; p. 743.
Automobile-chassis, also automobile-bodies, wind-shields, dashes, and springs, Extensions for. Hayes-Diefenderfer Co. No. 120,027; Jan. 1; v. 246; p. 297.
Automobile-chests. W. Marolf. No. 123,466; Nov. 12; v. 256; p. 448.
Automobile dolly-jacks. Mid-West Manufacturing Company. No. 122,331; July 23; v. 252; p. 958.
Automobile-emblems. Jewelers Auto Emblem Manufacturing Co. No. 121,184; Apr. 16; v. 249; p. 736.
Automobile gasolene and ignition locks combined and tire-locks. Esco Manufacturing Co. No. 123,114; Oct. 15; v. 255; p. 606.
Automobile-heaters, Gas-driven. N. L. Shaten. No. 122,108; June 25; v. 251; p. 836.
Automobile-radiator antifreezing compound. Northwestern Chemical Company. No. 123,745; Dec. 3; v. 257; p. 189.
Automobile-radiator-cap heat or temperature indicating devices. H. Jedell. No. 122,275; July 16; v. 252; p. 741.
Automobile-radiator-leak-curing compound. E. E. Carneal. No. 121,043; Apr. 2; v. 249; p. 231.
Automobile-radiator sealing compound and scale-remover. Economy Scale Remover Company. No. 121,882; June 11; v. 251; p. 458.
Automobile-radiators, Compound to prevent leaks in. C. A. Knutson. No. 122,593; Aug. 27; v. 253; p. 950.
Automobile-starters, Mechanical. C. N. Puckett. No. 121,652; May 14; v. 250; p. 511.
Automobile steering-rod silencers and braces. The American Auto Products Company. No. 121,389; Apr. 30; v. 249; p. 1217.

Alphabetical list of trade-marks—Continued.

Automobile-tops, Convertible. Rex Manufacturing Company. No. 123,278; Oct. 22; v. 255; p. 826.
Automobile-wheels. The Minute Auto Wheel Company. No. 120,611; Feb. 19; v. 247; p. 743.
Automobile-wind-shield wiper. G. I. Stadeker. No. 123,168; Oct. 15; v. 255; p. 607.
Automobiles. Dort Motor Car Co. No. 122,866; Sept. 24; v. 254; p. 862.
Automobiles. Hupp Motor Car Corporation. No. 120,028; Jan. 1; v. 246; p. 297.
Automobiles. The Nash Motors Company. No. 121,477; Apr. 30; v. 249; p. 1219.
Automobiles. Nordyke & Marmon Company. No. 123,919; Dec. 17; v. 257; p. 644.
Automobiles. Pan-American Motors Corporation. No. 123,268; Oct. 22; v. 255; p. 825.
Automobiles. S. C. Pandolfo. No. 120,776; Mar. 5; v. 248; p. 231.
Automobiles. Rolls-Royce Limited. No. 122,913; Sept. 24; v. 254; p. 863.
Automobiles and automobile radiators and hub-caps. Daniels Motor Car Company. No. 120,173; Jan. 15; v. 246; p. 819.
Automobiles and automobile-trucks. Union Motor Truck Company. No. 122,829; Sept. 17; v. 254; p. 653.
Automobiles and motor-trucks. The Nash Motors Company. No. 122,093; June 25; v. 251; p. 836.
Automobiles and motor-trucks, Gas-motor-drawn. Jordan Motor Car Company. No. 120,583; Feb. 19; v. 247; p. 742.
Automobiles and parts and accessories therefor. Société Anonyme des Ateliers Piccard Pictet et Cie. No. 120,525; Feb. 12; v. 247; p. 476.
Automobiles, motor-trucks, carriages, and bodies, wheels, &c., thereof. J. B. Ferguson. No. 120,857; Mar. 12; v. 248; p. 496.
Automobiles of the pleasure-car type. The Allen Motor Co. No. 120,699; Mar. 5; v. 248; p. 229.
Automobiles, trucks or trailers for same, autotrucks. Falls Motors Corporation. No. 123,804; Dec. 10; v. 257; p. 404.
Axes and saws. Wm. Frankfurth Hardware Company. No. 120,377; Feb. 5; v. 247; p. 239.
Axles for cars, (railroad rolling-stock.) C. E. Willard. No. 121,689; May 14; v. 250; p. 512.
Bacon and ham. Cudahy Brothers Company. No. 122,446; Aug. 20; v. 253; p. 742.
Bacon, Breakfast-. John Morrell & Co. No. 120,413; Feb. 5; v. 247; p. 240.
Bacon, Breakfast-. John Morrell & Co. No. 120,891; Mar. 12; v. 248; p. 497.
Bacon, Vienna-style sausage, skinned and sugar-cured hams. Armstrong Packing Company. No. 120,008; Jan. 1; v. 246; p. 297.
Baggage straps and strappings. Charles Bond Company. No. 123,321; Oct. 29; v. 255; p. 1049.
Bags, Cotton. Bemis Bro. Bag Co. No. 120,242; Jan. 29; v. 246; p. 1199.
Bags, Hand-. J. M. Eilers. No. 123,113; Oct. 15; v. 255; p. 606.
Bags, Ladies' hand-. V. Mingot. No. 123,374; Oct. 29; v. 255; p. 1051.
Bags or pockets, Sleeping-. Athol Manufacturing Company. No. 121,848; June 11; v. 251; p. 457.
Bags, Traveling-. H. Scheuer & Sons. No. 122,743; Sept. 10; v. 254; p. 447.
Bags, Traveling hand-. W. H. Smith. No. 121,729; May 21; v. 250; p. 764.
Bags, Sleeping-. F. S. Converse. No. 120,352; Feb. 5; v. 247; p. 238.
Bait, Artificial. James Heddon's Sons. No. 120,195; Jan. 15; v. 246; p. 820.
Baking and cooking preparation to take the place of eggs. E. A. Stafflin. No. 122,624; Aug. 27; v. 253; p. 950.
Baking-powder. Amo Food Company. No. 121,690; May 21; v. 250; p. 763.
Baking-powder. Pacific Commercial Co. No. 123,480; Nov. 12; v. 256; p. 449.
Baking-powder and salt. Amaessa Products Co. No. 123,311; Oct. 29; v. 255; p. 1049.
Baking-powder and starch. Gordon, Sewall & Co. No. 121,439; Apr. 30; v. 249; p. 1218.
Baking-powder, bicarbonate soda, starch, bluing, ammonia. McCord-Brady Co. No. 123,834; Dec. 10; v. 257; p. 405.
Balls and bearings, Steel. Herbert F. L. Funke Co. No. 123,224; Oct. 22; v. 255; p. 824.
Balls, Foot, basket, and volley. Rawlings Manufacturing Company. No. 123,645; Nov. 19; v. 256; p. 642.
Balls, Golf-. Capper & Capper. No. 120,015; Jan. 1; v. 246; p. 297.
Balls, Golf-. The North British Rubber Co. No. 121,935; June 11; v. 251; p. 459.
Balls, Golf-. North British Rubber Company. No. 123,378; Oct. 29; v. 255; p. 1051.
Balls, Golf-. St. Mungo Manufacturing Company of America. No. 121,210; Apr. 16; v. 249; p. 736.
Balls, golf, cricket, and hockey bags, &c., Foot, golf, and punch. Martins-Birmingham. No. 120,890; Mar. 12; v. 248; p. 497.
Balm, Shaving-. W. W. Simpson. No. 120,441; Feb. 5; v. 247; p. 241.
Barrels, Corrugated cover-caps for apple-. Clark Paper & Mfg. Co. No. 123,423; Nov. 12; v. 256; p. 447.
Baskets, Clothes-. Coles & Company. No. 122,376; July 30; v. 252; p. 1139.
Baskets, Sea-grass and palmetto. Legerton & Co. No. 120,595; Feb. 19; v. 247; p. 742.
Baskets, Sea-grass and palmetto. Legerton & Co. No. 123,460; Nov. 12; v. 256; p. 448.
Bath-robes. Federal Underwear Co. No. 121,770; May 28; v. 250; p. 994.
Bath-room fittings, Certain named. The Novelty Man'f'g Co. No. 124,033; Dec. 31; v. 257; p. 1077.
Bathing-caps. I. B. Kleinert Rubber Company. No. 120,591; Feb. 19; v. 247; p. 742.
Batteries and electric lamps or spot-lights and spark-plugs, Wet. Red Line Inc. No. 123,646; Nov. 19; v. 256; p. 642.
Batteries and flash-lights, Electric. Astra Electric Novelty Works. No. 121,236; Apr. 23; v. 249; p. 979.
Batteries and parts thereof, Storage. Willard Storage Battery Company. No. 121,376; Apr. 23; v. 249; p. 983.
Batteries, Electric. Manhattan Electrical Supply Co. No. 120,761; Mar. 5; v. 248; p. 231.
Batteries, Electric. National Carbon Company. No. 121,640; May 14; v. 250; p. 511.
Batteries, Electrolytes for storage. Williams and Rimelspach. No. 120,810; Mar. 5; v. 248; p. 232.
Batteries, Storage. Willard Storage Battery Company. No. 121,681; May 14; v. 250; p. 512.
Beading, Wood. E. W. Ellis Lumber Company. No. 121,278; Apr. 23; v. 249; p. 980.
Bean-meal and cut-pod feed. J. F. Pearson. No. 122,525; Aug. 20; v. 253; p. 744.
Beans, Dried. MacDonell Chow Corp. No. 122,279; July 16; v. 252; p. 742.
Bearing-balls, Steel. The Metal Specialty Mfg. Co. No. 120,989; Mar. 19; v. 248; p. 764.
Bearings, Antifriction-. The Federal Bearings Co. No. 122,204; July 9; v. 252; p. 500.
Bearings, Antifriction-. The Federal Bearings Co. No. 122,790; Sept. 17; v. 254; p. 651.
Bearings, Antifriction-. Federal Bearings Co. No. 123,219; Oct. 22; v. 255; p. 824.
Bearings, Ball-. S. Schneider. No. 121,664; May 14; v. 250; p. 511.
Bearings for machinery. General Electric Company. No. 120,381; Feb. 5; v. 247; p. 239.
Bearings for shafting and axles. Chicago Bearings Co. No. 121,871; June 11; v. 251; p. 457.
Bed-springs. The Cussins & Fearn Co. No. 123,430; Nov. 12; v. 256; p. 447.
Bed-springs and beds, folding beds, cots, and swings, Metal. Perfection Bed Spring Company. No. 120,039; Jan. 1; v. 246; p. 298.
Bed-springs and seat-spring constructions. Barber Manufacturing Company. No. 120,707; Mar. 5; v. 248; p. 229.
Beds and cots, Folding. United States Cabinet Bed Co. No. 121,674; May 14; v. 250; p. 512.
Bedspreads. Bates Mfg. Co. No. 123,189; Oct. 22; v. 255; p. 823.
Bedspreads, pillow-shams, and rag carpets. L. T. Riley. No. 120,289; Jan. 29; v. 246; p. 1200.
Bedsteads, bed-springs, mattresses. Bernstein Manufacturing Company. No. 122,184; July 9; v. 252; p. 499.
Beef, Corned. J. Barnes. No. 121,855; June 11; v. 251; p. 457.
Beef, Corned. Chamberlain and Company. No. 123,557; Nov. 19; v. 256; p. 640.
Beef, offal, pork, and mutton, Chilled and frozen. Swift & Company. No. 122,045; June 18; v. 251; p. 672.
Beer. The Cleveland Home Brewing Co. No. 120,168; Jan. 15; v. 246; p. 819.
Beer. The Pennsylvania Central Brewing Co. No. 120,214; Jan. 15; v. 246; p. 821.
Beer. A. Schreiber Brewing Co. No. 123,653; Nov. 19; v. 256; p. 643.
Beer, Draft-. Anheuser-Busch Brewing Association. No. 120,157; Jan. 15; v. 246; p. 819.
Beer, Lager-. Jos. Schlitz Brewing Co. No. 122,537; Aug. 20; v. 253; p. 744.
Belt-dressing. The Ulmer Leather Co. No. 122,928; Sept. 24; v. 254; p. 863.
Belt-dressing. Ulmer Leather Co. No. 123,926; Dec. 17; v. 257; p. 644.
Belt lacing or hook, Steel. Columbia Novelty Mfg. Co. No. 123,104; Oct. 15; v. 255; p. 605.
Belts, Conveyer-. B. F. Goodrich Company. No. 123,809; Dec. 10; v. 257; p. 404.
Belts, Endless abrasive, grinding, polishing, and finishing. T. P. Walls Tool & Supply Co. No. 121,525; Apr. 30; v. 249; p. 1221.
Belts for personal wear. Live Leather Belt Co. No. 123,139; Oct. 15; v. 255; p. 606.
Belts for wear. L. Levi. No. 120,270; Jan. 29; v. 246; p. 1200.
Belts, radiator-hose, belts, and tubing, Fan-. United States Rubber Company. No. 123,869; Dec. 10; v. 257; p. 406.

Belts, ropes, and cables, Compound for treating. Black Eagle Manufacturing Co. No. 121,039; Apr. 2; v. 249; p. 231.
Belts, Wire belt-lace for power-. Centipede Belt Lace Co. No. 123,554; Nov. 19; v. 256; p. 640.
Belting and automobile-transmission lining, Machinery-. Empire Weaving & Belting Corporation. No. 123,216; Oct. 22; v. 255; p. 824.
Belting and belt-lacings. Shultz Belting Company. Nos. 121,215–16; Apr. 16; v. 249; p. 737.
Belting and conveying-bands, Textile. Aktieselskabet Roulunds Fabrikker. No. 120,469; Feb. 12; v. 247; p. 475.
Belting, Balata. Victor Balata & Textile Belting Corp. No. 121,523; Apr. 30; v. 249; p. 1221.
Belting, hose, and packing, Fabric and rubber. The Fisher Governor Co. No. 120,668; Feb. 26; v. 247; p. 961.
Belting, Leather. Detroit Oak Belting Co. No. 120,666; Feb. 26; v. 247; p. 961.
Belting, Leather. Hudson Belting Company. Nos. 123,242–4; Oct. 22; v. 255; pp. 824–5.
Belting, Leather. Meier-Andres Belting Co. No. 120,509; Feb. 12; v. 247; p. 476.
Belting, Leather. S. R. Sikes Company. No. 121,503; Apr. 30; v. 249; p. 1220.
Belting, Leather. The Ulmer Leather Co. No. 122,549; Aug. 20; v. 253; p. 745.
Belting, Leather. The Ulmer Leather Co. Nos. 122,929–31; Sept. 24; v. 254; p. 864.
Belting, Leather. The Ulmer Leather Co. No. 123,664; Nov. 19; v. 256; p. 643.
Belting made of rubber and fabric. The Manhattan Rubber Mfg. Co. No. 121,797; May 28; v. 250; p. 994.
Belting made of rubber and fabric. The Gutta Percha & Rubber Manufacturing Company. No. 123,037; Oct. 8; v. 255; p. 362.
Belting, Round leather. Graton and Knight Manufacturing Company. No. 123,226; Oct. 22; v. 255; p. 824.
Belting, Textile fabric. The Belto Manufacturing Company. No. 120,475; Feb. 12; v. 247; p. 475.
Beltings, transmission-linings, hood-lacings, Textile. Charles Bond Company. No. 123,016; Oct. 8; v. 255; p. 361.
Beverage and extract for making same. W. P. Quentell. No. 123,276; Oct. 22; v. 255; p. 825.
Beverage and flavoring-syrup therefor, Carbonated. W. H. Maupin. No. 120,204; Jan. 15; v. 246; p. 820.
Beverage and maltless syrup for making same, Non-alcoholic. D. N. Goldberg. No. 123,994; Dec. 31; v. 257; p. 1076.
Beverage and syrup for making same, Non-alcoholic. The Alfo Products Company. No. 123,682; Dec. 3; v. 257; p. 187.
Beverage and syrup for making same, Non-alcoholic soft-drink. E. Frohn. No. 120,257; Jan. 29; v. 246; p. 1199.
Beverage and syrup for making the same, Non-alcoholic. R. M. Schlesinger. No. 120,291; Jan. 29; v. 246; p. 1200.
Beverage and syrup for the manufacture of same, Carbonated non-alcoholic. J. L. Tyler. No. 120,918; Mar. 12; v. 248; p. 498.
Beverage carbonating and dispensary apparatus, Combination. Richardson Corporation. No. 123,161; Oct. 15; v. 255; p. 607.
Beverage composed of certain named ingredients. P. Ballantine & Sons. No. 121,392; Apr. 30; v. 249; p. 1217.
Beverage containing malt, Non-alcoholic. Golden Grain Juice Co. No. 123,902; Dec. 17; v. 257; p. 643.
Beverage, Food. The Milkolate Company. No. 122,512; Aug. 20; v. 253; p. 744.
Beverage in concentrated form, Maltless. Finlay, Dicks & Co. No. 123,586; Nov. 19; v. 256; p. 641.
Beverage known as soft drink, Malt. Fidelio Brewing Company. No. 121,178; Apr. 16; v. 249; p. 735.
Beverage made of malt and hops, Non-alcoholic. C. H. Evans & Sons. No. 120,086; Jan. 8; v. 246; p. 564.
Beverage, Malt. Joseph Fallert Brewing Co. No. 121,709; May 21; v. 250; p. 763.
Beverage, Non-alcoholic. Hygeia Brewing Company. No. 123,600; Nov. 19; v. 256; p. 641.
Beverage, Non-alcoholic cereal. Minneapolis Brewing Company. No. 122,900; Sept. 24; v. 254; p. 863.
Beverage, Non-alcoholic cereal. New England Brewing Company. No. 121,088; Apr. 2; v. 249; p. 232.
Beverage, Non-alcoholic malt. The Leisy Brewing Co. No. 122,647; Sept. 3; v. 254; p. 221.
Beverage, Non-alcoholic maltless. The Middle West Products Company. No. 120,608; Feb. 19; v. 247; p. 743.
Beverage, Non-alcoholic non-intoxicating fruit-syrup. J. B. Green. Nos. 122,875–6; Sept. 24; v. 254; p. 862.
Beverage, Non-intoxicating. William J. Kemp Brewing Company. No. 120,592; Feb. 19; v. 247; p. 742.
Beverage, Non-intoxicating. S. Liebmann's Sons. No. 122,220; July 9; v. 252; p. 500.
Beverage, Non-intoxicating. The Nuessel Brewing Co. No. 121,135; Apr. 9; v. 249; p. 503.
Beverage, Non-intoxicating cereal. Adam Scheidt Beverage Co. No. 120,044; Jan. 1; v. 246; p. 298.
Beverage, Non-intoxicating cereal. American Products Company. No. 123,531; Nov. 19; v. 256; p. 639.
Beverage, Non-intoxicating cereal. Milwaukee-Waukesha Brewing Company. No. 123,373; Oct. 29; v. 255; p. 1051.
Beverage, Non-intoxicating cereal. A. Schreiber Brewing Co. No. 121,099; Apr. 2; v. 249; p. 233.
Beverage, Non-intoxicating malt. Cairo Brewing Co. No. 123,976; Dec. 31; v. 257; p. 1075.
Beverage, Non-intoxicating malt. Grand Rapids Brewing Co. No. 121,712; May 21; v. 250; p. 763.
Beverage, Non-intoxicating malt. St. Joseph Brewing Co. No. 120,914; Mar. 12; v. 248; p. 498.
Beverage, Non-intoxicating non-alcoholic. Mihalovitch Co. No. 122,651; Sept. 3; v. 254; p. 221.
Beverage, Non-intoxicating non-alcoholic. Rudolph Stecher Brewing Co. No. 122,915; Sept. 24; v. 254; p. 863.
Beverage, Non-intoxicating non-alcoholic malt. St. Louis Brewing Association. No. 120,226; Jan. 15; v. 246; p. 821.
Beverage, Non-intoxicating vinous. Calvino Wine Co. No. 120,340; Feb. 5; v. 247; p. 238.
Beverage of a malt nature known as near beer, Non-intoxicating. Interstate Products Co. No. 123,602; Nov. 19; v. 256; p. 641.
Beverage prepared from the shells of cocoa-beans, Food. J. Lyons & Co. No. 123,050; Oct. 8; v. 255; p. 362.
Beverage sold as a soft drink. The Montelaise Mercantile Co. No. 123,470; Nov. 12; v. 256; p. 448.
Beverage sold as a soft drink. North Ontario Packing Company. No. 122,901; Sept. 24; v. 254; p. 863.
Beverage sold as a soft drink. Richardson Corporation. No. 124,045; Dec. 31; v. 257; p. 1077.
Beverage sold as a soft drink and a syrup for making same, Non-alcoholic. C. H. Wilkinson. No. 120,307; Jan. 29; v. 246; p. 1201.
Beverage sold as a soft drink, Cereal. E. R. Maier. No. 122,602; Aug. 27; v. 253; p. 950.
Beverage sold as a soft drink, Fruit. Hewlett-Wilson Beverage Co. No. 122,642; Sept. 3; v. 254; p. 221.
Beverage sold as a soft drink, Maltless. Piel Bros. No. 120,778; Mar. 5; v. 248; p. 231.
Beverage sold as a soft drink, Non-alcoholic. J. Meurer. No. 122,653; Sept. 3; v. 254; p. 221.
Beverage sold as a soft drink, Non-alcoholic cereal. Houston Ice & Brewing Association. No. 120,747; Mar. 5; v. 248; p. 230.
Beverage sold as a soft drink, Non-alcoholic maltless. The Maclow Ale & Manufacturing Company. No. 121,915; June 11; v. 251; p. 459.
Beverage sold as a soft drink, Non-alcoholic maltless. C. & J. Michel Co. No. 120,607; Feb. 19; v. 247; p. 743.
Beverage sold as a soft drink, Non-alcoholic maltless. Sher-A-Coca Bottling Company. No. 121,956; June 11; vol. 251; p. 460.
Beverage to be sold as a soft drink. Birk Bros. Brewing Co. No. 123,421; Nov. 12; v. 256; p. 447.
Beverage to be sold as a soft drink, Tonic cereal. J. Roesch. No. 121,003; Mar. 19; v. 248; p. 765.
Beverage without alcohol, Brewed fermented. C. P. Holzderber. No. 122,215; July 9; v. 252; p. 500.
Beverages and extracts and syrups for making same, Non-alcoholic maltless. The Delaware Punch Company of Texas. No. 122,196; July 9; v. 252; p. 499.
Beverages, Cereal. Schoenhofen Company. No. 122,104; June 25; v. 251; p. 836.
Beverages, Certain named non-alcoholic. Francis H. Leggett & Co. No. 124,014; Dec. 31; v. 257; p. 1076.
Beverages, Certain named non-alcoholic. Rainier Products Company. No. 121,653; May 14; v. 250; p. 511.
Beverages, Certain named non-alcoholic. Standard Bottling and Extract Co. No. 121,103; Apr. 2; v. 249; p. 233.
Beverages, Certain named non-intoxicating fruit. The Montelaise Mercantile Co. No. 124,025; Dec. 31; v. 257; p. 1077.
Beverages, Flavoring-syrup for non-alcoholic. J. Hungerford Smith Co. No. 120,442; Feb. 5; v. 247; p. 241.
Beverages, Malt. Schoenhofen Company. No. 122,995; Oct. 1; v. 255; p. 158.
Beverages, Non-alcoholic. P. Ballantine & Sons. No. 123,317; Oct. 29; v. 255; p. 1049.
Beverages, Non-alcoholic carbonated. F. J. Hewlett. No. 120,260; Jan. 29; v. 246; p. 1199.
Beverages, Non-alcoholic carbonated. Hydro Pure Company. No. 120,581; Feb. 19; v. 247; p. 742.
Beverages, Non-alcoholic carbonated. Sparkling Silverspoon Co. No. 120,045; Jan. 1; v. 246; p. 298.
Beverages, Non-alcoholic maltless. Schoenhofen Company. No. 123,389; Oct. 29; v. 255; p. 1051.
Beverages, Non-intoxicating. W. F. Mahony. No. 120,276; Jan. 29; v. 246; p. 1200.
Beverages, Non-intoxicating cereal maltless. The Home Brewing Co. No. 121,896; June 11; v. 251; p. 458.
Beverages, Non-intoxicating malt. Welz & Zerweck. No. 120,809; Mar. 5; v. 248; p. 232.
Beverages, Non-intoxicating maltless. American Burtonizing Company. No. 120,539; Feb. 19; v. 247; p. 741.
Beverages of a corn nature, Non-alcoholic. J. Zynda. No. 122,942; Sept. 24; v. 254; p. 864.
Beverages sold as a soft drink, Maltless non-alcoholic. Hemrich's Staff Products Co. No. 122,969; Oct. 1; v. 255; p. 157.
Beverages sold as soft drinks. L. Baum. No. 122,838; Sept. 24; v. 254; p. 861.
Beverages to be sold as soft drinks. French Valley Springs Incorporated. No. 120,968; Mar. 19; v. 248; p. 764.

Bibs, Babies'. S. K. Metzendorf. No. 122,033; June 18; v. 251; p. 672.
Bibs, Children's feeding-. J. L. Allen. No. 120,931; Mar. 19; v. 248; p. 763.
Bicycles and motor-cycles. H. Perlman. No. 120,519; Feb. 12; v. 247; p. 476.
Bicycles and motor-cycles. H. Perlman. No. 120,777; Mar. 5; v. 248; p. 231.
Billets, beams, plates, ingots, and metals, Certain named. Federal Export Corporation. No. 120,255; Jan. 29; v. 246; p. 1199.
Billiard-cushions. The Manhattan Rubber Mfg. Co. No. 123,052; Oct. 8; v. 255; p. 362.
Binder, Casting-core. Century Oil Company. No. 120,835; Mar. 12; v. 248; p. 495.
Bits, drawing-knives, augers, &c., Expansion-. The Jennings & Griffin Manufacturing Co. No. 120,499; Feb. 12; v. 247; p. 476.
Bitters, Tonic. Lash's Bitters Co. No. 121,632; May 14; v. 250; p. 510.
Bituminous products—viz., paints, fillers, enamels, and varnishes. Briggs Bituminous Composition Company. No. 120,942; Mar. 19; v. 248; p. 763.
Blackboards. J. W. Bryant. No. 123,788; Dec. 10; v. 257; p. 403.
Blades, saws, cutters, hobs, &c. Fry's (London). No. 120,380; Feb. 5; v. 247; p. 239.
Blankets, and blanketings, flannels, and cassimeres classed as piece goods. North Star Woolen Mill Co. No. 120,773; Mar. 5; v. 248; p. 231.
Blankets, Bed-. Beckman Company. No. 123,888; Dec. 17; v. 257; p. 643.
Blankets, bedspreads, and sheets, Cotton. T. Kelly & Co. No. 120,030; Jan. 1; v. 246; p. 297.
Blankets, Cotton. American Textiles Export Corporation. No. 122,364; July 30; v. 252; p. 1139.
Blankets, Printers'. J. S. Corwin. No. 122,110; June 25; v. 251; p. 836.
Blocks illustrating nursery-rhymes, Character-. Baker & Bennett Co. No. 123,315; Oct. 29; v. 255; p. 1049.
Blood-dissolvers. The Max Huncke Chemical Co. No. 123,841; Dec. 10; v. 257; p. 405.
Blouses and middy-suits for women and girls. Goldstein & Kres. No. 122,586; Aug. 27; v. 253; p. 949.
Blues, Laundry. The Standard Ultramarine Co. No. 121,349; Apr. 23; v. 249; p. 982.
Bluing, Laundry. G. W. Hodgkins. No. 123,718; Dec. 3; v. 257; p. 188.
Bluing, Laundry. M. C. Peltason. No. 123,950; Dec. 24; v. 257; p. 813.
Bluing, Wash-. K. D. Jakovich. No. 123,044; Oct. 8; v. 255; p. 362.
Boiler-tubes. The Parkesburg Iron Company. No. 120,899; Mar. 12; v. 248; p. 497.
Boilers, Compound for prevention and removal of scales from. A. A. Hosler. No. 122,704; Sept. 10; v. 254; p. 446.
Boilers, Water-columns which carry the water-gage and try-cocks on steam-. The Ohio Steam Specialty Co. No. 121,936; June 11; v. 251; p. 459.
Bones, curled hair, wool. Wilson & Co. No. 123,933; Dec. 17; v. 257; p. 644.
Bookbinding material, Imitation-leather. Wilson-Jones Loose Leaf Company. No. 120,538; Feb. 12; v. 247; p. 477.
Bookcases, filing cabinets and cases, office-cabinets. The Globe-Wernicke Company. No. 121,180; Apr. 16; v. 249; p. 736.
Booklets or pamphlets and circulars, Printed. The National Bank of Commerce in St. Louis. No. 122,094; June 25; v. 251; p. 836.
Booklets, Printed. F. E. Schoenfeld. No. 120,224; Jan. 15; v. 246; p. 821.
Books, Blank. I. A. Graham. No. 120,572; Feb. 19; v. 247; p. 742.
Books, Blank sheets for record-. Automatic Record Company. No. 122,837; Sept. 24; v. 254; p. 861.
Books, booklets, circulars, &c., Printed. C. F. Haanel. No. 122,464; Aug. 20; v. 253; p. 742.
Books, Coupon-. War and Navy Departments' Commissions on Training Camp Activities. No. 123,298; Oct. 22; v. 255; p. 826.
Books for a Christmas savings-club, Coupon-. Exchange Trust Company. No. 121,424; Apr. 30; v. 249; p. 1218.
Books, Initial and monogram, &c. Bernhard Ulmann Co. No. 120,477; Feb. 12; v. 247; p. 475.
Books, pamphlets, periodicals, and circulars, Printed. International Alliance of Theatrical Stage Employes & Moving Picture Machine Operators of the United States and Canada. No. 120,675; Feb. 26; v. 247; p. 961.
Books, pamphlets, periodicals, circulars, Printed. International Longshoreman's Association. No. 122,970; Oct. 1; v. 255; p. 157.
Books, pamphlets, periodicals, circulars, Printed. Operative Plasterers and Cement Finishers International Association of the United States and Canada. No. 120,688; Feb. 26; v. 247; p. 962.
Books, periodicals, and circulars, Printed. Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America. No. 120,746; Mar. 5; v. 248; p. 230.
Books, periodicals, pamphlets, and circulars, Printed. Bricklayers, Masons and Plasterers' International Union of America. No. 120,661; Feb. 26; v. 247; p. 961.
Books, periodicals, pamphlets, and circulars, Printed. International Brotherhood of Steam Shovel and Dredge Men. No. 122,087; June 25; v. 251; p. 836.
Books, periodicals, pamphlets, and circulars, Printed. International Union of Journeymen Horseshoers of the United States and Canada. Nos. 120,676–7; Feb. 26; v. 247; p. 961.
Books, periodicals, pamphlets, circulars, Printed. Brotherhood Railway Carmen of America. No. 120,662; Feb. 26; v. 247; p. 961.
Books, Printed. Automatic Record Company. No. 123,778; Dec. 10; v. 257; p. 403.
Books, supplements, pamphlets, Printed. Planographic Equipment Company. No. 123,853; Dec. 10; v. 257; p. 405.
Books, which series has not yet been completed, Series of printed. The Engineering Magazine Company. No. 120,085; Jan. 8; v. 246; p. 564.
Boot and shoe blacking. Société Générale des Cirages Francais. No. 122,163; July 2; v. 252; p. 242.
Boot and shoe border-strip. H. Holden. No. 120,196; Jan. 15; v. 246; p. 820.
Boot and shoe heels, Leather or soleoid and leather. Wilder and Company. No. 120,129; Jan. 8; v. 246; p. 565.
Boot and shoe shanks. J. E. Peckham Co. No. 123,637; Nov. 19; v. 256; p. 642.
Boot and shoe shanks. J. E. Peckham Co. Inc. No. 124,065; Dec. 31; v. 257; p. 1078.
Boot-protectors, hob-nails, boot-studs. Henry Richmond & Sons. No. 121,497; Apr. 30; v. 249; p. 1220.
Boots and shoes. Beacon Falls Rubber Shoe Co. No. 123,190; Oct. 22; v. 255; p. 823.
Boots and shoes. Cammeyer. No. 123,196; Oct. 22; v. 255; p. 823.
Boots and shoes. John H. Cross, Inc. No. 123,573; Nov. 19; v. 256; p. 640.
Boots and shoes. Faunce & Spinney. No. 121,427; Apr. 30; v. 249; p. 1218.
Boots and shoes. The Kaut-Reith Shoe Company. Nos. 120,585–8; Feb. 19; v. 247; p. 742.
Boots and shoes. A. E. Little Company. No. 120,599; Feb. 19; v. 247; p. 743.
Boots and shoes. M. Samuels. No. 121,098; Apr. 2; v. 249; p. 233.
Boots and shoes. Slater & Morrill. No. 122,043; June 18; v. 251; p. 672.
Boots and shoes. The L. D. Stickles Shoe Co. No. 120,447; Feb. 5; v. 247; p. 241.
Boots and shoes and boot and shoe soles, Leather. Holland Shoe Co. No. 122,023; June 18; v. 251; p. 671.
Boots and shoes, Kid, leather, and canvas. The Kaut-Reith Shoe Company. No. 120,106; Jan. 8; v. 246; p. 564.
Boots and shoes, Ladies' and misses' leather. The Shoecraft Shop. No. 121,832; May 28; v. 250; p. 995.
Boots and shoes, Leather. H. T. Anderson. No. 120,155; Jan. 15; v. 246; p. 819.
Boots and shoes, Leather. Hamilton, Brown Shoe Company. No. 121,440; Apr. 30; v. 249; p. 1218.
Boots and shoes, Leather. Knipe Bros. No. 122,592; Aug. 27; v. 253; p. 950.
Boots and shoes, Leather. The Charles E. Lynch Shoe Mf'g Co. No. 121,914; June 11; v. 251; p. 459.
Boots and shoes, Leather and textile. International Shoe Co. No. 120,497; Feb. 12; v. 247; p. 476.
Boots and shoes made of or containing rubber. Converse Rubber Shoe Co. No. 121,760; May 28; v. 250; p. 993.
Boots and shoes, Women's and misses'. J. J. Grover's Sons. No. 123,227; Oct. 22; v. 255; p. 824.
Boots, shoes, and slippers, Leather. K-K Shoe Company. No. 121,451; Apr. 30; v. 249; p. 1219.
Boots, shoes, slippers, sandals, Leather. Geo. A. Slater Limited. No. 120,119; Jan. 8; v. 246; p. 565.
Borax, witch-hazel, ammonia, &c. The Beau Site Company. No. 122,125; July 2; v. 252; p. 241.
Bottle and jar covers, Sanitary. Hendryx Company. No. 121,444; Apr. 30; v. 249; p. 1218.
Bottle-caps. E. Maynz. No. 120,682; Feb. 26; v. 247; p. 961.
Box-shooks, barrel staves and headings. Great Southern Lumber Company. No. 123,348; Oct. 29; v. 255; p. 1050.
Boxes and packing-cases. Wirebounds Corporation. Nos. 120,654–5; Feb. 19; v. 247; p. 744.
Boxes for butter, lard, and similar products. Henry Brady, Inc. No. 120,712; Mar. 5; v. 248; p. 229.
Boxes, Shipping-. The Kansas City Fibre Box Co. No. 120,500; Feb. 12; v. 247; p. 476.
Bracelet, locket, necklace, &c., clasps. A. G. Planchenault. No. 121,820; May 28; v. 250; p. 995.
Bracelets, bracelet parts, pendants, brooches, and finger-rings. Charles E. Hancock Co. No. 120,386; Feb. 5; v. 247; p. 239.
Bracelets, watch-bracelet, wrist-watch strap, and brooch-pin clasp. E. R. Nebeling. No. 123,472; Nov. 12; v. 256; p. 44?.
Braids and insertions for dresses, aprons, and under-garments, Wash and fancy. Webbing & Edging Corp. No. 120,305; Jan. 29; v. 246; p. 1201.

Braids, Cotton and silk. Sanford Narrow Fabric Co. No. 121,341; Apr. 23; v. 249; p. 982.
Brake and clutch linings and facings. General Asbestos & Rubber Company. No. 120,670; Feb. 26; v. 247; p. 961.
Brake-linings. Thermoid Rubber Company. No. 123,294; Oct. 22; v. 255; p. 826.
Brandies, rum, gin, cocktails, liqueurs. The Beau-Site Company. No. 121,036; Apr. 2; v. 249; p. 231.
Brass goods, Sheet, rod, and cast. J. H. White Manufacturing Company. No. 121,114; Apr. 2; v. 249; p. 233.
Brass rods, naval brass, Muntz's metal, and other brasses. Titan Metal Company. No. 120,801; Mar. 5; v. 248; p. 232.
Brassières. Birdsey-Somers Company. No. 122,008; June 18; v. 251; p. 671.
Bread. F. H. Allen. No. 121,385; Apr. 30; v. 249; p. 1217.
Bread. Henry Blewett & Son. No. 122,302; July 23; v. 252; p. 957.
Bread. Henry Blewett & Son. Nos. 123,322–3; Oct. 29; v. 255; p. 1049.
Bread. Braun Bros. & Co. No. 121,541; May 7; v. 250; p. 251.
Bread. Burney Bros. No. 122,061; June 25; v. 251; p. 835.
Bread. Community Marvel Millers' Association. No. 120,171; Jan. 15; v. 246; p. 819.
Bread. Eau Claire Baking Company. No. 120,180; Jan. 15; v. 246; p. 819.
Bread. Haller Baking Company. No. 120,865; Mar. 12; v. 248; p. 496.
Bread. E. S. Gempp. No. 122,140; July 2; v. 252; p. 241.
Bread. Livingston Baking Company. No. 123,049; Oct. 8; v. 255; p. 362.
Bread. R. L. Nafziger. No. 120,876; Mar. 12; v. 248; p. 497.
Bread. Ward Baking Company. Nos. 121,677–8; May 14; v. 250; p. 512.
Bread. B. F. Williamson. No. 122,767; Sept. 10; v. 254; p. 448.
Bread. Winkelman Baking Company. No. 121,530; Apr. 30; v. 249; p. 1221.
Bread and cake. F. Johnson. No. 121,626; May 14; v. 250; p. 510.
Bread and cake. J. A. Lampman. No. 120,593; Feb. 19; v. 247; p. 742.
Bread, crackers, cakes, and pastry. H. Gottschalk. No. 120,191; Jan. 15; v. 246; p. 820.
Bread, Wrapped. A. Renton. No. 120,221; Jan. 15; v. 246; p. 821.
Breath-deodorizers, Candy. American Chicle Company. No. 121,743; May 28; v. 250; p. 993.
Bric-à-brac or knickknacks. George Borgfeldt & Co. No. 120,658; Feb. 26; v. 247; p. 961.
Brick. Hydraulic-Press Brick Company. No. 120,870; Mar. 12; v. 248; p. 496.
Brick, Fire-. Chicago Retort & Fire Brick Company. Nos. 120,838–9; Mar. 12; v. 248; p. 495.
Bristles, hair, and hair waste. Andersen-Meyer & Co. No. 123,185; Oct. 22; v. 255; p. 823.
Bronzes, bronze bars. Titan Metal Company. No. 120,800; Mar. 5; v. 248; p. 232.
Broom-handles. Northern Wood Products Company. No. 123,632; Nov. 19; v. 256; p. 642.
Brooms. Gordon, Sewall & Co. No. 120,025; Jan. 1; v. 246; p. 297.
Brooms. A. B. Heller. No. 120,574; Feb. 19; v. 247; p. 742.
Brooms. W. E. Killinger. No. 121,558; May 7; v. 250; p. 251.
Brooms. Lee Broom & Duster Company. No. 123,612; Nov. 19; v. 256; p. 641.
Brooms. The Toledo Merchandise Company. No. 120,917; Mar. 12; v. 248; p. 498.
Brooms. Windsor Broom Co. No. 121,684; May 14; v. 250; p. 512.
Brooms, House-. J. Hergenrether & Son. No. 122,213; July 9; v. 252; p. 500.
Brushes. Doniger & Company. No. 121,173; Apr. 16; v. 249; p. 735.
Brushes. A. Laitner & Sons. No. 122,715; Sept. 10; v. 254; p. 446.
Brushes, Certain named. The Celluloid Company. No. 123,551; Nov. 19; v. 256; p. 639.
Brushes for raising a soft warmth-retaining surface on knitted woolen fabrics, Wire. J. and J. Baldwin and Partners. No. 122,366; July 30; v. 252; p. 1139.
Brushes, Hair-. The Monarch Brush Co. No. 120,767; Mar. 5; v. 248; p. 231.
Brushes, Scrub-. J. Petroccio. No. 120,149; Jan. 8; v. 246; p. 566.
Brushes, Shaving-. American Safety Razor Co. No. 122,565; Aug. 27; v. 253; p. 949.
Brushes, Sweeping-. The J. A. C. Brush Co. No. 120,714; Mar. 5; v. 248; p. 229.
Brushes, Tooth-. C. W. Lloyd. No. 120,596; Feb. 19; v. 247; p. 742.
Brushes, Tooth-. The Owl Drug Company. No. 121,939; June 11; v. 251; p. 460.
Brushes, Tooth, hair, clothes, &c. G. Winckler. No. 122,402; July 30; v. 252; p. 1140.
Brushes, Tooth, nail, and hair. Williams Brush Co. No. 121,231; Apr. 16; v. 249; p. 737.
Buffing and polishing compositions. Nulite Polish Company. No. 121,483; Apr. 30; v. 249; p. 1220.
Buffing and polishing compound for metals. The Matchless Metal Polish Company. Nos. 120,136–7; Jan. 8; v. 246; p. 565.
Building construction, Certain named. The Sterling Lumber Co. No. 120,295; Jan. 29; v. 246; p. 1201.
Building material. Tufbrec Products Company. No. 121,224; Apr. 16; v. 249; p. 737.
Building-stone and marble. Carthage Quarry Company. No. 121,161; Apr. 16; v. 249; p. 735.
Building-structure service-sheets. Architectural Service Corporation. No. 123,776; Dec. 10; v. 257; p. 403.
Buildings, Portable. J. H. Burton & Co. No. 120,663; Feb. 26; v. 247; p. 961.
Buildings, Sectional steel. Steel Fabricating Company. No. 122,542; Aug. 20; v. 253; p. 745.
Bulletin published semi-annually. Periodical Publishing Co. No. 121,205; Apr. 16; v. 249; p. 736.
Bulletins issued periodically. Dr. Albert Count de Sarak. No. 120,114; Jan. 8; v. 246; p. 565.
Bunting. Stewart & Sparry. No. 122,112; June 25; v. 251; p. 836.
Burial-caskets, Metal. F. H. Hill Co. No. 122,703; Sept. 10; v. 254; p. 446.
Burial suits, dresses, and robes. National Casket Company. No. 120,618; Feb. 19; v. 247; p. 743.
Burners and wicks for stoves, furnaces, and ranges. The Huenefeld Company. No. 120,105; Jan. 8; v. 246; p. 564.
Butter. I. Baer. No. 122,368; July 30; v. 252; p. 1139.
Butter. California Central Creameries. No. 122,779; Sept. 17; v. 254; p. 651.
Butter. The Fox River Butter Company. No. 151,773; May 28; v. 250; p. 994.
Butter. Lilywood Farms Company. No. 122,802; Sept. 17; v. 254; p. 652.
Butter. C. W. Nelson. No. 121,810; May 28; v. 250; p. 995.
Butter and eggs. E. J. Byman. No. 120,828; Mar. 12; v. 248; p. 495.
Butter and eggs. Saal Brothers. No. 122,394; July 30; v. 252; p. 1140.
Butter, Creamery-. Ottawa Condensing Co. No. 122,100; June 25; v. 251; p. 836.
Butter or margarin, Nut. E. A. Stevenson & Company. No. 122,544; Aug. 20; v. 253; p. 745.
Butter, Process. Scott Butter Company. No. 121,343; Apr. 23; v. 249; p. 982.
Butterin or margarin, oleomargarin. Wm. J. Moxley, Inc. No. 122,730; Sept. 10; v. 254; p. 447.
Buttons, Cuff-. The Baer and Wilde Co. No. 121,749; May 28; v. 250; p. 993.
Buttons for wearing-apparel. M and T Button Company. No. 121,864; June 11; v. 251; p. 457.
Buttons for wearing-apparel. Rochester Button Company. No. 120,634; Feb. 19; v. 247; p. 744.
Buttons for wearing-apparel. Stein Brothers Manufacturing Company. No. 121,964; June 11; v. 251; p. 460.
Buttons for wearing-apparel. Frank W. Whitcher Company. No. 121,990; June 11; v. 251; p. 461.
Buttons, Non-metallic. Morley Manufacturing Company. No. 123,743; Dec. 3; v. 257; p. 188.
Buttons, snap-fasteners, hair-pins. Silverberg Import Co. No. 121,504; Apr. 30; v. 249; p. 1220.
Cabinets and safes, Heat-resisting. The Safe-Cabinet Company. No. 120,638; Feb. 19; v. 247; p. 744.
Cabinets, Bath-. The Kwick-Bath Corporation. No. 122,503; Aug. 20; v. 253; p. 743.
Cabinets, Kitchen-. The Steelwhite Company. No. 121,509; Apr. 30; v. 249; p. 1220.
Cabinets, Towel-. Pullclean Manufacturing Co. No. 122,392; July 30; v. 252; p. 1140.
Cabinets, Wall-. F. J. Matchette. No. 120,035; Jan. 1; v. 246; p. 298.
Cake, Fruit. G. Smith. No. 120,912; Mar. 12; v. 248; p. 498.
Cakes. Ward Baking Company. No. 123,400; Oct. 29; v. 255; p. 1051.
Calcimine and water-paint. W. Stuhlmiller. No. 121,020; Mar. 19; v. 248; p. 765.
Camera-films, Cement for joining. Klix Manufacturing Company. No. 122,887; Sept. 24; v. 254; p. 862.
Camera-supports. Eastman Kodak Company. No. 121,276; Apr. 23; v. 249; p. 980.
Cameras and tripods, moving-picture projectors and screens therefor. The Green Camera Company. No. 122,208; July 9; v. 252; p. 500.
Can ends. General Can Company. No. 121,434; Apr. 30; v. 249; p. 1218.
Candied apples, strawberries, pears, &c. Northwestern Fruit Exchange. No. 121,137; Apr. 9; v. 249; p. 503.
Candies. Beech-Nut Packing Co. No. 122,059; June 25; v. 251; p. 835.
Candies. C. A. Berney. No. 123,540; Nov. 19; v. 256; p. 639.
Candies. Collins-McCarthy Candy Co. No. 120,844; Mar. 12; v. 248; p. 496.

Candies. Gurley Candy Co. No. 122,640; Sept. 3; v. 254; p. 221.
Candies. Geo. Haas & Sons. No. 120,384; Feb. 5; v. 247; p. 239.
Candies. The Harter Candy Co. No. 123,596; Nov. 19; v. 256; p. 641.
Candies. The Harter Candy Co. No. 123,714; Dec. 3; v. 257; p. 188.
Candies. L. Lieber. No. 123,613; Nov. 19; v. 256; p. 641.
Candies. Spoehr's. No. 123,658; Nov. 19; v. 256; p. 643.
Candies and chocolates. D. Auerbach & Sons. No. 122,004; June 18; v. 251; p. 671.
Candies and chocolates. Wirth Chocolate Co. No. 123,408; Oct. 29; v. 255; p. 1052.
Candies, Chocolate. Magruder-Wood Chocolate Co. No. 122,031; June 18; v. 251; p. 672.
Candies, chocolates, and bonbons. C. Baruxes. No. 121,124; Apr. 9; v. 249; p. 503.
Candies, crackers, cookies. Johnson Biscuit Company. No. 121,904; June 11; v. 251; p. 459.
Candies, ice-cream dressing and topping, and hot-chocolate topping. Chautauqua Confectionery Company. No. 122,681; Sept. 10; v. 254; p. 445.
Candies, Package. Jacobs Candy Company. No. 123,247; Oct. 22; v. 255; p. 825.
Candies, Package. W. Williams. No. 123,305; Oct. 22; v. 255; p. 826.
Candy. C. F. Abel. No. 123,310; Oct. 29; v. 255; p. 1049.
Candy. C. A. Asher. No. 120,656; Feb. 26; v. 247; p. 961.
Candy. D. Auerbach & Sons. No. 121,004; Apr. 2; v. 249; p. 231.
Candy. Blanke Wenneker Candy Company. No. 120,327; Feb. 5; v. 247; p. 237.
Candy. Frank E. Block Company. No. 122,774; Sept. 17; v. 254; p. 651.
Candy. Boston Confectionery Co. No. 122,262; July 16; v. 252; p. 741.
Candy. Buffalo Candy Company. No. 122,778; Sept. 17; v. 254; p. 651.
Candy. D. J. Carroll. No. 123,198; Oct. 22; v. 255; p. 823.
Candy. Elmer Candy Company. No. 122,271; July 16; v. 252; p. 741.
Candy. Elmer Candy Co. No. 122,584; Aug. 27; v. 253; p. 949.
Candy. Federal Cocoa & Chocolate Co. No. 121,282; Apr. 23; v. 249; p. 980.
Candy. Gillen & Boney. No. 122,313; July 23; v. 252; p. 957.
Candy. Harris-Woodson Co. No. 123,906; Dec. 17; v. 257; p. 643.
Candy. The Harter Candy Company. No. 121,061; Apr. 2; v. 249; p. 232.
Candy. Jacobs Candy Company. Nos. 122,972–5; Oct. 1; v. 255; p. 158.
Candy. Kibbe Bros. Company. No. 120,979; Mar. 19; v. 248; p. 764.
Candy. R. M. Kliemant. No. 123,136; Oct. 15; v. 255; p. 606.
Candy. E. P. Lewis. No. 122,890; Sept. 24; v. 254; p. 862.
Candy. Loft, Incorporated. No. 124,015; Dec. 31; v. 257; p. 1076.
Candy. Lorient-Cartier. No. 121,720; May 21; v. 250; p. 784.
Candy. The Walter M. Lowney Company. No. 121,130; Apr. 9; v. 249; p. 503.
Candy. G. Migliaccio. No. 120,037; Jan. 1; v. 246; p. 298.
Candy. Novelty Candy Co. No. 121,562; May 7; v. 250; p. 252.
Candy. Package Confectionery Co. No. 120,417; Feb. 5; v. 247; p. 240.
Candy. Package Confectionery Co. No. 121,648; May 14; v. 250; p. 511.
Candy. Peloso Bros. No. 122,526; Aug. 20; v. 253; p. 744.
Candy. Peloso Bros. No. 123,382; Oct. 29; v. 255; p. 1051.
Candy. Eugene O. Reed Company. No. 122,818; Sept. 17; v. 254; p. 652.
Candy. I. Ringstad. No. 123,754; Dec. 3; v. 257; p. 189.
Candy. Skibo Confectionery Co. No. 122,347; July 23; v. 252; p. 958.
Candy. O. T. Stacy Co. No. 123,287; Oct. 22; v. 255; p. 826.
Candy. Tru Blu Biscuit Company. No. 123,397; Oct. 29; v. 255; p. 1051.
Candy. The Welch Grape Juice Company. No. 121,110; Apr. 2; v. 249; p. 233.
Candy. M. L. Wenz. No. 123,401; Oct. 29; v. 255; p. 1051.
Candy, bonbons, chocolates, ice-cream. R. H. Hobbs. No. 120,673; Feb. 26; v. 247; p. 961.
Candy known as chocolate nougat bar. Weber-Schlitz Candy Co. No. 122,049; June 18; v. 251; p. 672.
Candy, Molasses and chocolate. Linden Valley Chocolate Co. No. 122,326; July 23; v. 252; p. 958.
Candy, Scotch-toffee-bar. A. C. Vassmer. No. 122,830; Sept. 17; v. 254; p. 653.
Candy, Stick-. American Candy Manufacturing Co. No. 123,962; Dec. 31; v. 257; p. 1075.
Candies. S. Savarese. No. 122,534; Aug. 20; v. 253; p. 744.
Canes, parasols, umbrellas. Knox Hat Company. No. 123,909; Dec. 17; v. 257; p. 643.
Canned and dried hulled corn. G. H. Allen. No. 122,000; June 18; v. 251; p. 671.
Canned apricots, pears, and peaches. J. C. Ainsley Packing Co. Nos. 122,631–2; Sept. 3; v. 254; p. 221.
Canned artichokes, pimentos, and fish. Curtis Olive Corporation. No. 122,856; Sept. 24; v. 254; p. 861.
Canned asparagus. R. Hickmott Canning Co. Nos. 121,894–5; June 11; v. 251; p. 458.
Canned beef. Libby, McNeill & Libby. No. 121,559; May 7; v. 250; p. 251.
Canned beef. Swift and Company. No. 122,622; Aug. 27; v. 253; p. 950.
Canned beet-tops, tomatoes, and string-beans. Calima Canning Company. No. 121,756; May 28; v. 250; p. 993.
Canned beets and tomatoes. Calima Canning Company. No. 121,755; May 28; v. 250; p. 993.
Canned corn, beans, and pork and beans. Inderrieden Canning Co. No. 123,132; Oct. 15; v. 255; p. 606.
Canned corn, peas, tomatoes, &c. The G. H. Hammond Company. No. 122,472; Aug. 20; v. 253; p. 742.
Canned crabs. Nozaki Brothers and Co. No. 120,687; Feb. 26; v. 247; p. 962.
Canned dried beef and luncheon-meat, cooked hams. John Morrell & Co. No. 124,027; Dec. 31; v. 257; p. 1077.
Canned evaporated goat-milk. Widemann Goat Milk Co. No. 121,680; May 14; v. 250; p. 512.
Canned evaporated milk. G. Batcheller Hall Co. No. 122,006; June 18; v. 251; p. 671.
Canned evaporated milk. W. R. Roach & Co. No. 122,992; Oct. 1; v. 255; p. 158.
Canned fish. California Packing Corporation. No. 120,831; Mar. 12; v. 248; p. 495.
Canned fish. The Curtis Corporation. No. 121,877; June 11; v. 251; p. 458.
Canned foods. Bisceglia Bros. No. 123,088; Oct. 15; v. 255; p. 605.
Canned foods. John F. Campbell Co. No. 121,701; May 21; v. 250; p. 763.
Canned foods. Workman Packing Co. No. 122,173; July 2; v. 252; p. 242.
Canned foods and candy. Ridenour-Baker Grocery Co. No. 121,657; May 14; v. 250; p. 511.
Canned foods, peanut-butter, olive-oil, &c. California Packing Corporation. No. 123,017; Oct. 8; v. 255; p. 361.
Canned fruit, bottled and canned pickles and vegetables. Los Angeles Olive Growers Association. No. 122,329; July 23; v. 252; p. 958.
Canned fruits. California Packing Corporation. No. 121,258; Apr. 23; v. 249; p. 979.
Canned fruits and berries. Sodus Packing Co. No. 122,106; June 25; v. 251; p. 836.
Canned fruits and berries. Sodus Packing Co. No. 122,657; Sept. 3; v. 254; p. 221.
Canned fruits and vegetables. Burton & Davis Co. No. 120,163; Jan. 15; v. 246; p. 819.
Canned fruits and vegetables. California Packing Corporation. No. 121,700; May 21; v. 250; p. 760.
Canned fruits and vegetables. Central California Canneries. No. 123,936; Dec. 24; v. 257; p. 813.
Canned fruits and vegetables, dried fruits, and raisins. California Packing Corporation. No. 120,716; Mar. 5; v. 248; p. 229.
Canned fruits and vegetables, rolled oats, rice, tea. The Neosho Grocery Co. No. 123,631; Nov. 19; v. 256; p. 642.
Canned fruits, vegetables, and salmon. Brockton Public Market. No. 122,011; June 18; v. 251; p. 671.
Canned fruits, vegetables, and shrimp. Sylvester Bros. Co. No. 120,228; Jan. 15; v. 246; p. 821.
Canned goods, Certain named. Berdan & Co. No. 123,319; Oct. 29; v. 255; p. 1049.
Canned goods, Certain named. Inderrieden Canning Co. No. 123,354; Oct. 29; v. 255; p. 1050.
Canned grapes and dried cluster-raisins. Hagopian & Setrakian Co. No. 120,976; Mar. 19; v. 248; p. 764.
Canned grayfish. J. R. Burke. No. 121,255; Apr. 23; v. 249; p. 979.
Canned Lima beans. Calima Canning Co. No. 121,866; June 11; v. 251; p. 457.
Canned mackerel-roe. R. Caspari. No. 120,665; Feb. 26; v. 247; p. 961.
Canned or preserved fish. J. H. Mercian. No. 122,090; June 25; v. 251; p. 836.
Canned or preserved fish. J. H. Mercian. No. 122,092; June 25; v. 251; p. 836.
Canned or preserved fish and peppers. J. H. Mercian. No. 122,091; June 25; v. 251; p. 836.
Canned peaches. California Sanitary Canning Co. No. 120,833; Mar. 12; v. 248; p. 495.
Canned peaches and apricots. S. Goodman. No. 123,903; Dec. 17; v. 257; p. 643.

Alphabetical list of trade-marks—Continued.

Canned pears, peaches, cherries, tomatoes. Emery Food Company. No. 123,900; Dec. 17; v. 257; p. 643.
Canned peas. Big Four Canning Company. No. 122,423; Aug. 20; v. 253; p. 741.
Canned peas. Klindt-Geiger Canning Co. No. 123,361; Oct. 29; v. 255; p. 1050.
Canned peas. Owen Canning Co. Nos. 121,727–8; May 21; v. 250; p. 764.
Canned peas and beans. Pacific Pea Packing Company. No. 122,154; July 2; v. 252; p. 242.
Canned peas and canned corn. Inderrieden Canning Co. Nos. 122,589–90; Aug. 27; v. 253; p. 949.
Canned peas and sauer-kraut. Big Four Canning Company. No. 122,007; June 18; v. 251; p. 671.
Canned peas and sauer-kraut. Big Four Canning Company. No. 122,633; Sept. 3; v. 254; p. 221.
Canned peas, pork and beans, and hominy. Pacific Pea Packing Company. No. 123,634; Nov. 19; v. 256; p. 642.
Canned peppers. The Curtis Corporation. No. 122,070; June 25; v. 251; p. 835.
Canned pineapples, apricots, plums, &c. The G. H. Hammond Company. No. 122,470; Aug. 20; v. 253; p. 742.
Canned pork and beans in tomato sauce. O. A. Nelson & Co. No. 120,877; Mar. 12; v. 248; p. 497.
Canned pumpkin. Dunbar-Dukate Company. No. 123,700; Dec. 3; v. 257; p. 187.
Canned ripe olives. American Olive Company. No. 122,564; Aug. 27; v. 253; p. 949.
Canned roe or a product prepared from canned roe. Gorton-Pew Fisheries Co. Nos. 122,080–1; June 25; v. 251; pp. 835–6.
Canned salmon. Alaska Fish Co. No. 123,009; Oct. 8; v. 255; p. 361.
Canned salmon. Alaska Pacific Herring Co. No. 120,312; Feb. 5; v. 247; p. 237.
Canned salmon. G. Batcheller Hall Co. Nos. 122,947–8; Oct. 1; v. 255; p. 157.
Canned salmon. M. Beck. No. 123,539; Nov. 19; v. 256; p. 639.
Canned salmon. J. R. Burke. No. 122,128; July 2; v. 252; p. 241.
Canned salmon. California Packing Corporation. No. 121,699; May 21; v. 250; p. 763.
Canned salmon. Cascade Packing Company. No. 120,834; Mar. 12; v. 248; p. 495.
Canned salmon. Cascade Packing Company. No. 121,594; May 14; v. 250; p. 509.
Canned salmon. E. H. Hamlin Co. Nos. 121,291–2; Apr. 23; v. 249; p. 980.
Canned salmon. E. H. Hamlin Co. No. 121,617; May 14; v. 250; p. 510.
Canned salmon. Klamath River Packers Ass'n. No. 123,249; Oct. 22; v. 255; p. 825.
Canned salmon. National Independent Fisheries Co. No. 121,317; Apr. 23; v. 249; p. 981.
Canned salmon. Petersburg Packing Co. Nos. 121,815–17; May 28; v. 250; p. 995.
Canned salmon. C. M. Pettibone Co. No. 121,328; Apr. 23; v. 249; p. 982.
Canned salmon. Roundup Fisheries Company. No. 122,654; Sept. 3; v. 254; p. 221.
Canned salmon. Roundup Fisheries Co. No. 123,388; Oct. 29; v. 255; p. 1051.
Canned salmon. Sockeye Salmon Company. No. 121,346; Apr. 23; v. 249; p. 982.
Canned salmon. Straits Packing Co. No. 122,827; Sept. 17; v. 254; p. 653.
Canned salmon. L. H. Wakefield. No. 123,770; Dec. 3; v. 257; p. 189.
Canned salmon and sardines. Booth Fisheries Company. No. 123,889; Dec. 17; v. 257; p. 643.
Canned salmon, peas, corn, tomatoes. G. H. Wetterau & Sons Grocer Co. No. 122,939; Sept. 24; v. 254; p. 864.
Canned sandwich-sardines. C. E. Van Landingham. No. 123,929; Dec. 17; v. 257; p. 644.
Canned sardines. Booth Fisheries Company. No. 123,890; Dec. 17; v. 257; p. 643.
Canned sardines. Booth Fisheries Company. Nos. 123,970–1; Dec. 31; v. 257; p. 1075.
Canned sardines. I. Burger. No. 122,013; June 18; v. 251; p. 671.
Canned sardines. Globe Canning Co. Nos. 121,435–6; Apr. 30; v. 249; p. 1218.
Canned sardines. Insular Packing Co. Nos. 122,799–800; Sept. 17; v. 254; p. 652.
Canned sardines. Lubec Sardine Company. No. 123,915; Dec. 17; v. 257; p. 644.
Canned sardines. Neptune Sea Food Company. Nos. 121,931–3; June 11; v. 251; p. 459.
Canned sardines. Neptune Sea Food Company. No. 122,095; June 25; v. 251; p. 836.
Canned sardines. Premier Packing Co. No. 121,946; June 11; v. 251; p. 460.
Canned sardines. Smith & Nessle Co. Nos. 122,658–61; Sept. 3; v. 254; pp. 221–2.
Canned sardines. Smith & Nessle Co. No. 122,751; Sept. 10; v. 254; p. 447.
Canned sardines. Smith & Nessle Co. No. 122,923; Sept. 24; v. 254; p. 863.
Canned sardines. Smith & Nessle Co. Nos. 123,284–5; Oct. 22; v. 255; p. 826.
Canned sardines. Van Camp Sea Food Co. No. 123,399; Oct. 29; v. 255; p. 1051.
Canned sardines. C. E. Van Landingham. Nos. 121,976–80; June 11; v. 251; p. 461.
Canned sardines. C. E. Van Landingham. No. 122,117; June 25; v. 251; p. 837.
Canned sardines. West Coast Packing Co. Nos. 122,935–6; Sept. 24; v. 254; p. 864.
Canned sardines. Wieland Bros. No. 122,663; Sept. 3; v. 254; p. 222.
Canned sardines and shrimps. B. O. Bowers. No. 122,634; Sept. 3; v. 254; p. 221.
Canned sardines and spiced tomato sauce. Coast Fishing Co. No. 122,375; July 30; v. 252; p. 1139.
Canned sardines and tuna. San Pedro Packing Co. No. 121,340; Apr. 23; v. 249; p. 982.
Canned sardines and tuna fish. South Coast Canning Co. No. 123,391; Oct. 29; v. 255; p. 1051.
Canned shrimp. Apalachee Packing Company. Nos. 123,964–5; Dec. 31; v. 257; p. 1075.
Canned shrimp, vegetables, and fruit. Pelican Lake Oyster & Packing Co. No. 120,625; Feb. 19; v. 247; p. 743.
Canned smoked sardines and mackerel. R. F. Howard. No. 123,353; Oct. 29; v. 255; p. 1050.
Canned strawberries. Hood River Canning Company. No. 123,999; Dec. 31; v. 257; p. 1076.
Canned string-beans and tomatoes. Manteca Canning Co. No. 120,888; Mar. 12; v. 248; p. 497.
Canned tomato paste. B. Pernetti. No. 123,639; Nov. 19; v. 256; p. 642.
Canned tomato paste and purée. Martinez Canning Co. No. 123,621; Nov. 19; v. 256; p. 642.
Canned tomato sauce. A. Goldstein & Co. No. 122,317; July 23; v. 252; p. 957.
Canned tomato sauce and canned olives. American Olive Company. No. 121,846; June 11; v. 251; p. 457.
Canned tomatoes. California Sanitary Canning Co. No. 120,832; Mar. 12; v. 248; p. 495.
Canned tomatoes, peas, and corn. Witwer Tate Grocery Co. No. 121,740; May 21; v. 250; p. 764.
Canned tomatoes, string-beans, apricots, peaches. S. Goodman. No. 123,904; Dec. 17; v. 257; p. 643.
Canned tomatoes with purée from trimmings. Calima Canning Co. No. 121,865; June 11; v. 251; p. 457.
Canned tuna fish. California Sea Food Co. No. 122,780; Sept. 17; v. 254; p. 651.
Canned tuna fish. C. E. Van Landingham Co. No. 121,675; May 14; v. 250; p. 512.
Canned tuna fish. White Star Canning Co. No. 121,839; May 28; v. 250; p. 996.
Canned vegetables. Booth Packing Company. No. 120,012; Jan. 1; v. 246; p. 297.
Canned vegetables. R. G. Charles. No. 120,836; Mar. 12; v. 248; p. 495.
Canned vegetables. Lange Canning Co. No. 122,646; Sept. 3; v. 254; p. 221.
Canned vegetables. Lange Canning Co. No. 122,717; Sept. 10; v. 254; p. 446.
Canned vegetables. Lange Canning Co. No. 123,728; Dec. 3; v. 257; p. 188.
Canned vegetables. J. M. Michael. No. 123,737; Dec. 3; v. 257; p. 188.
Canned vegetables and hominy. Lange Canning Co. No. 122,276; July 16; v. 252; p. 741.
Canned vegetables and olives. California Packing Corporation. No. 120,664; Feb. 26; v. 247; p. 961.
Canned vegetables and pork and beans. Dyer Packing Co. No. 121,127; Apr. 9; v. 249; p. 503.
Canned vegetables, spices, tomato catsup. The Deis-Fertig Co. No. 123,697; Dec. 3; v. 257; p. 187.
Canned yellowtail fish. C. E. Van Landingham. No. 123,930; Dec. 17; v. 257; p. 644.
Cans, canteens, containers, and tanks. Boyle Manufacturing Company. No. 120,545; Feb. 19; v. 247; p. 741.
Cans, Combination handle and perforating attachment for. Perfo Stamping Works. No. 123,154; Oct. 15; v. 255; p. 607.
Caps and hats. Harris-Polk Hat Co. No. 121,442; Apr. 30; v. 249; p. 1218.
Caps, Motor and baby. E. T. Thomas. No. 122,166; July 2; v. 252; p. 242.
Capsules for diseases of the urinary organs and bladder. E. J. Moore Sons. No. 121,561; May 7; v. 250; p. 251.
Car movers and replacers. The Bonney Floyd Company. No. 120,329; Feb. 5; v. 247; p. 237.
Cars and trucks, Motor. Diamond T Motor Car Company. No. 121,419; Apr. 30; v. 249; p. 1218.
Cars for attachment to motor-cycles and the like, Wheeled trailer-. Cygnet Rear Car Company. No. 120,018; Jan. 1; v. 246; p. 297.
Cars, Motor-. Anderson Motor Co. No. 121,388; Apr. 30; v. 249; p. 1217.
Cars, Motor-. Mudge & Company. No. 123,261; Oct. 22; v. 255; p. 825.
Caramels and candy. Demonets'. No. 121,417; Apr. 30; v. 249; p. 1218.
Carbon-eliminator. T. S. Witherspoon. No. 122,403; July 30; v. 252; p. 1140.

Alphabetical list of trade-marks—Continued.

Carbon-eliminators for internal-combustion engines. The Automatic Carbon Eliminator Co. No. 121,577; May 14; v. 250; p. 509.
Carbon-paper. Modern Typewriter Supply Co. No. 121,808; May 28; v. 250; p. 995.
Carbon-paper. Old Town Ribbon & Carbon Co. No. 123,479; Nov. 12; v. 256; p. 449.
Carbon-remover and lubricant for use in connection with liquid fuel. Bennett-Gumpper-Wright Company. No. 121,037; Apr. 2; v. 249; p. 231.
Carbon-remover, Chemical. The Wallace Company. No. 121,983; June 11; v. 251; p. 461.
Carbon-remover for auto-cylinders. Red Line Inc. No. 123,485; Nov. 12; v. 256; p. 449.
Carbon-s[illegible]vent and gas-exhilarator and insecticide. C. R. Redheffer. No. 123,753; Dec. 3; v. 257; p. 189.
Carbureter attachment for hydrocarbon-engines. H. F. Ong. No. 121,325; Apr. 23; v. 249; p. 981.
Cards, Playing-. A. Glidewell. No. 123,035; Oct. 8; v. 255; p. 362.
Case-hardening or carbonizing compound. The Case Hardening Service Company. No. 120,070; Jan. 8; v. 246; p. 563.
Casein derivative to be used in the manufacture of plywood. Nieuwhof, Surie & Co. No. 123,744; Dec. 3; v. 257; p. 188.
Casement-sash adjusters. The Casement Hardware Co. No. 121,595; May 14; v. 250; p. 509.
Carriage-cloth. O'Bannon Corporation. No. 123,264; Oct. 22; v. 255; p. 825.
Cartons and bags for merchandise. P. Freygang. No. 123,340; Oct. 29; v. 255; p. 1050.
Casket handles and metal trimmings, &c. F. H. Hill Co. No. 120,390; Feb. 5; v. 247; p. 239.
Casket hardware. National Casket Company. No. 121,478; Apr. 30; v. 249; p. 1220.
Casket linings and pillows. National Casket Company. No. 121,926; June 11; v. 251; p. 459.
Caskets and outside cases, Burial and inner. National Casket Company. No. 120,210; Jan. 15; v. 246; p. 820.
Castings and forgings, Steel. Lucey Manufacturing Corporation of Texas. No. 124,016; Dec. 31; v. 257; p. 1076.
Castings, Malleable-iron. The Dayton Malleable Iron Co. No. 123,108; Oct. 15; v. 255; p. 606.
Catalogue. Art Metal Construction Co. No. 121,390; Apr. 30; v. 249; p. 1217.
Catalogues, circulars, blue-prints, &c. Mudge & Company. No. 123,847; Dec. 10; v. 257; p. 405.
Catalogues published semi-annually. Freydberg Bros. No. 120,094; Jan. 8; v. 246; p. 564.
Cathartic compound. G. Logotheti. No. 120,755; Mar. 5; v. 248; p. 230.
Celluloid. Société Chimique des Usines du Rhone Anciennement Gilliard, P. Monnet et Cartier. No. 123,286; Oct. 22; v. 255; p. 826.
Cement, Adhesive. Loxol Manufacturing Co. No. 121,466; Apr. 30; v. 249; p. 1219.
Cement for leather goods and belting. The Ulmer Leather Co. No. 122,550; Aug. 20; v. 253; p. 745.
Cement, Portland. Great Western Portland Cement Company of Kansas. No. 123,591; Nov. 19; v. 256; p. 641.
Cement preparation for resurfacing or surfacing concrete and cement, Liquid. The Vitrifyx Company. No. 123,178; Oct. 15; v. 255; p. 608.
Cement, Refractory. G. A. Balz. No. 121,538; May 7; v. 250; p. 251.
Cement, Structural. Hercules Cement Corporation. No. 123,597; Nov. 19; v. 256; p. 641.
Cement-surface hardeners, Liquid. The National Builders Company. No. 123,629; Nov. 19; v. 256; p. 642.
Cements, waterproofing and marine cement and flashings, Structural. New Process Chemical Co. No. 120,771; Mar. 5; v. 248; p. 231.
Cereals, Breakfast. G. W. Snyder. No. 123,000; Oct. 1; v. 255; p. 158.
Chain-stretching tools, valve-grinders and wrenches. Marvel Accessories Manufacturing Company. No. 123,144; Oct. 15; v. 255; p. 607.
Chains, Traction, draft, and antiskidding. The Rowe Calk Company. No. 122,820; Sept. 17; v. 254; p. 652.
Chairs, High. G. Spratt & Co. No. 120,227; Jan. 15; v. 246; p. 821.
Chalk, Billiard-. National Billiard Supply Corporation. No. 121,925; June 11; v. 251; p. 459.
Chamois and sponges. Leousi Clonney & Co. No. 120,503; Feb. 12; v. 247; p. 476.
Chamois and sponges. Leousi Clonney & Co. Nos. 121,264–5; Apr. 23; v. 249; p. 980.
Chamois-skins and sponges. James H. Rhodes & Company. No. 122,911; Sept. 24; v. 254; p. 863.
Charms, pendants, &c. Eisenstadt Manufacturing Company. No. 123,434; Nov. 12; v. 256; p. 447.
Checks. The Celluloid Company. No. 122,954; Oct. 1; v. 255; p. 157.
Cheese. D. De Bernardi & Co. No. 122,134; July 2; v. 252; p. 241.
Cheese. S. H. Hirsch & Co. No. 121,129; Apr. 9; v. 249; p. 503.
Cheese. J. S. Hoffman Company. No. 121,555; May 7; v. 250; p. 251.
Cheese. J. S. Hoffman Company. No. 121,620; May 14; v. 250; p. 510.
Cheese. The Monroe Cheese Co. No. 122,603; Aug. 27; v. 253; p. 950.
Cheese. The Portland Cheese Company. No. 122,610; Aug. 27; v. 253; p. 950.
Cheese. O. Roth. No. 120,692; Feb. 26; v. 247; p. 962.
Cheese, Domestic Limburger. Roethlisberger & Co. No. 120,431; Feb. 5; v. 247; p. 240.
Cheese, Neufchâtel. L. Kadans. No. 122,643; Sept. 3; v. 254; p. 221.
Cheese, peanut-butter, mustard, Cottage-. North Shore Creamery Company. No. 120,880; Mar. 12; v. 248; p. 497.
Chemical composition for certain named purposes. American Boiler Life Company. No. 121,845; June 11; v. 251; p. 457.
Chemical composition for waterproofing certain named fabrics and paper. U. S. Inperio Manufacturing Company. No. 123,398; Oct. 29; v. 255; p. 1051.
Chemical compound to be mixed with poultry food as a tonic, &c. W. H. Johnson. No. 122,148; July 2; v. 252; p. 241.
Chemical compound used in water for bathing. G. Wenzelmann. No. 123,402; Oct. 29; v. 255; p. 1051.
Chemical preparation used as a binder and surface coating, Certain named. G. J. Schoeffel. No. 120,292; Jan. 29; v. 246; p. 1200.
Chemicals and pharmaceutical preparations for toilet purposes, Certain named. H. H. Ayer. Nos. 122,258–9; July 16; v. 252; p. 741.
Chemicals, Certain named. Newport Chemical Works. No. 122,980; Oct. 1; v. 255; p. 158.
Chemicals, medicines, and pharmaceutical preparations. H. K. Mulford Company. No. 121,316; Apr. 23; v. 249; p. 981.
Chemicals, medicines, and pharmaceutical preparations, Certain. New England Brewing Company. No. 121,934; June 11; v. 251; p. 459.
Chemicals, medicines, and pharmaceutical preparations, Certain named. Apothecaries Hall Company. No. 122,002; June 18; v. 251; p. 671.
Chemicals, medicines, and pharmaceutical preparations, Certain named. Chattanooga Drug & Chemical Co. No. 123,560; Nov. 19; v. 256; p. 640.
Chemicals, medicines, and pharmaceutical preparations, Certain named. The Coolrite Co. No. 122,377; July 30; v. 252; p. 1139.
Chemicals, medicines, and pharmaceutical preparations, Certain named. H. Gamse & Bro. No. 123,589; Nov. 19; v. 256; p. 641.
Chemicals, medicines, and pharmaceutical preparations, Certain named. Dr. W. L. Hughes. No. 122,482; Aug. 20; v. 253; p. 743.
Chemicals, medicines, and pharmaceutical preparations, Certain named. Southern Oil & Ink Company. No. 122,240; July 9; v. 252; p. 501.
Chemicals, medicines, and pharmaceutical preparations, Certain named. Spicer Brothers, (Colonial & Foreign.) No. 122,926; Sept. 24; v. 254; p. 863.
Chemicals, medicines, and pharmaceutical preparations, Certain named. C. I. Tryon. No. 121,736; May 21; v. 250; p. 764.
Chemicals, medicines, and pharmaceutical preparations, Certain named. S. S. White Dental Manufacturing Company. No. 123,678; Nov. 19; v. 256; p. 643.
Cherries, peaches, plums, pears, &c. California Fruit Exchange. No. 123,687; Dec. 3; v. 257; p. 187.
Chests, Cedar. J. R. Clark Company. No. 120,845; Mar. 12; v. 248; p. 496.
Chicken-cholera compound. L. M. Hill. No. 123,941; Dec. 24; v. 257; p. 813.
Chicory. Mrs. J. Williot Fils. No. 122,940; Sept. 24; v. 254; p. 864.
Chilli-con-carne. Kittle & Watson. No. 121,789; May 28; v. 250; p. 994.
Chocolates and bonbons. G. Constantin. No. 120,718; Mar. 5; v. 248; p. 229.
Chocolates and candy goods of various kinds. American Candy Co. No. 121,234; Apr. 23; v. 249; p. 979.
Chocolate bars, Cream-. C. Ireland. No. 122,147; July 2; v. 252; p. 241.
Chocolate, Eating-. Bishop & Company. No. 123,320; Oct. 29; v. 255; p. 1049.
Chocolate, Eating-. W. H. Miner Chocolate Company. No. 123,626; Nov. 19; v. 256; p. 642.
Chocolate, Sweet. Walter Baker & Company. No. 122,946; Oct. 1; v. 255; p. 157.
Chocolate, tea, cocoa, pepper, &c. Guittard Company. No. 121,713; May 21; v. 250; p. 763.
Chocolates. C. A. Crane. No. 121,875; June 11; v. 251; p. 458.
Chocolates and candies. E. Greenfield's Sons. No. 121,552; May 7; v. 250; p. 251.
Chocolates, hard candies, &c. Solo Manufacturing Company. No. 122,107; June 25; v. 251; p. 836.
Chuck-fixtures, Magnetic. The Kar Engineering Company. Nos. 120,396–7; Feb. 5; v. 247; p. 239.
Cider. Interstate Products Company. No. 121,902; June 11; v. 251; p. 458.
Cider, Apple. National Fruit Product Company. No. 121,723; May 21; v. 250; p. 764.

Alphabetical list of trade-marks—Continued.

Cigar-preservative, Chemical. N. Ehrlich. No. 123,802; Dec. 10; v. 257; p. 404.
Cigars. The Banner Cigar Manufacturing Co. No. 122,180; July 9; v. 252; p. 499.
Cigars. The Del Monte Specialty Co. No. 120,852; Mar. 12; v. 248; p. 496.
Cigars. Kraus & Co. No. 120,680; Feb. 26; v. 247; p. 961.
Cigars. C. Landau. No. 122,596; Aug. 27; v. 253; p. 950.
Cigars. Joseph P. Manning Co., No. 121,795; May 28; v. 250; p. 994.
Cigars. The Miller Cigar Co. No. 123,054; Oct. 8; v. 255; p. 362.
Cigars. M. H. Smaltz & Son. No. 120,695; Feb. 26; v. 247; p. 962.
Cigars. Telegrafo Cigar Co. No. 120,527; Feb. 12; v. 247; p. 476.
Cigars. United Cigar Manufacturers Company, (now by change of name General Cigar Co.) No. 123,665; Nov. 19; v. 256; p. 643.
Cigars and cigarettes. L. N. Oliver. No. 123,152; Oct. 15; v. 255; p. 607.
Cigars, cheroots, and little cigars. C. J. Holton. No. 121,779; May 28; v. 250; p. 994.
Cigars, cigarettes, and manufactured tobacco. Natrona Tobacco Co. No. 122,604; Aug. 27; v. 253; p. 950.
Cigars, cigarettes, cheroots, smoking-tobacco. P. W. Tozzi. No. 123,502; Nov. 12; v. 256; p. 450.
Cigars, cigarettes, smoking and chewing tobacco. W. M. Wattles. No. 120,681; Feb. 26; v. 247; p. 961.
Cigars, cigarettes, tobacco. Joseph P. Manning Co. No. 121,312; Apr. 23; v. 249; p. 981.
Cigars, cigarettes, tobacco. Standard Tobacco Company. No. 123,497; Nov. 12; v. 256; p. 449.
Cigars, cigarettes, tobacco. Tobacco Products Corporation. No. 121,356; Apr. 23; v. 249; p. 982.
Cigars, cigarettes, tobacco. Tobacco Products Corporation. Nos. 123,070–1; Oct. 8; v. 255; p. 363.
Cigars, cigarettes, tobacco. E. M. White. No. 122,662; Sept. 3; v. 254; p. 222.
Cigars, tobacco, cigarettes. M. B. Martin. No. 122,222; July 9; v. 252; p. 500.
Cigarette, cigar, match, spectacle, eyeglass, and vanity cases. Wightman & Hough Co. No. 120,128; Jan. 8; v. 246; p. 565.
Cigarettes. Frishmuth Bro. & Company. No. 122,871; Sept. 24; v. 254; p. 862.
Cigarettes. V. J. Schultheis. No. 122,617; Aug. 27; v. 253; p. 950.
Cigarettes, Tobacco. C. R. Smith. No. 122,239; July 9; v. 252; p. 501.
Cinemetograph-films. Pathé Exchange. No. 120,997; Mar. 19; v. 248; p. 765.
Cinematograph-films. Pathé Exchange. No. 122,230; July 9; v. 252; p. 500.
Circulating systems, steam and hot-water boilers, water-heaters. The Long-Landreth-Schneider Company. No. 120,507; Feb. 12; v. 247; p. 476.
Cleaner and polisher for automobile-bodies, &c., Surface. H. Schield. No. 121,958; June 11; v. 251; p. 460.
Cleaner, Paint-. The Absorene Manufacturing Company. No. 123,008; Oct. 8; v. 255; p. 361.
Cleaner, White-kid. C. A. Zoes. No. 121,999; June 11; v. 251; p. 461.
Cleaning and brightening preparation for white and colored shoes and gloves. The Radium Dye Company. No. 121,947; June 11; v. 251; p. 460.
Cleaning and carbon-removing preparation for engine-cylinders. F. A. Darling. No. 120,356; Feb. 5; v. 247; p. 238.
Cleaning and polishing liquid for colored leathers. Wilkey Laboratories. Nos. 122,293–4; July 16; v. 252; p. 742.
Cleaning and polishing material for automobile-windows and wind-shields. Davis Chemical Manufacturing Co. No. 121,601; May 14; v. 250; p. 510.
Cleaning composition for clothes. Lawrence Chemical Co. No. 123,731; Dec. 3; v. 257; p. 188.
Cleaning compound, Chemical. Durlacque Manufacturing Company. No. 122,867; Sept. 24; v. 254; p. 862.
Cleaning compound for carpets, rugs, and wash-clothes. P. C. Lamp. No. 121,911; June 11; v. 251; p. 459.
Cleaning composition for oriental rugs, carpets, upholstery, and hardwood floors. E. N. Masters. No. 121,470; Apr. 30; v. 249; p. 1219.
Cleaning compound for fabrics and painted and varnished surfaces. B. Harr. No. 123,125; Oct. 15; v. 255; p. 606.
Cleaning compounds for garments, gloves, &c. Foree Products Company. No. 123,442; Nov. 12; v. 256; p. 448.
Cleaning liquid for shoes. H. Ammann. No. 120,055; Jan. 8; v. 246; p. 563.
Cleaning-machines for water-mains and boiler-tubes. National Water Main Cleaning Co. No. 122,517; Aug. 20; v. 253; p. 744.
Cleaning-paste for certain named surfaces. Eaton's Uzon Company. No. 122,135; July 2; v. 252; p. 241.
Cleaning preparation for all colored leather, including white. Griffin Mfg. Co. No. 120,974; Mar. 19; v. 248; p. 764.
Cleanser and disinfectant, Antiseptic. The National Benefit League. No. 121,087; Apr. 2; v. 249; p. 232.
Cleanser and tonic for the treatment of the kidneys, &c., nerve-tablets. W. P. Schaap. No. 122,919; Sept. 24; v. 254; p. 863.
Cleanser, Tile and porcelain. The Grady Mfg. Co. No. 122,461; Aug. 20; v. 253; p. 742.
Cleansing and bleaching crystal. The Escejay Company. No. 121,279; Apr. 23; v. 249; p. 980.
Cleansing and polishing preparation for automobile-bodies, furniture, &c. Minard's Liniment Manufacturing Company. No. 122,804; Sept. 17; v. 254; p. 652.
Cleansing material. Vegola Specialty Company. No. 121,226; Apr. 16; v. 249; p. 737.
Cleansing or scouring compound. The N. K. Fairbank Company. No. 123,703; Dec. 3; v. 257; p. 187.
Cleansing-powder for surfaces of lenses of eyeglasses, &c. A. W. Richards. No. 121,144; Apr. 9; v. 249; p. 503.
Clocks. The E. Ingraham Co. No. 122,483; Aug. 20; v. 253; p. 743.
Clocks. The E. Ingraham Co. No. 123,041; Oct. 8; v. 255; p. 362.
Clocks. The E. Ingraham Co. No. 123,447; Nov. 12; v. 256; p. 448.
Clocks and movements therefor, Alarm-. N. H. Brown. No. 120,067; Jan. 8; v. 246; p. 563.
Clocks and watches. Shapleigh Hardware Company. No. 122,538; Aug. 20; v. 253; p. 744.
Clocks and watches. Western Clock Co. No. 121,228; Apr. 16; v. 249; p. 737.
Clocks and watches. Western Clock Co. No. 122,559; Aug. 20; v. 253; p. 745.
Clocks and watches. Western Clock Co. Nos. 122,937–8; Sept. 24; v. 254; p. 864.
Clocks and watches. Western Clock Co. No. 123,511; Nov. 12; v. 256; p. 450.
Closets or toilets, Outdoor water-. The Sanitary Products Corporation. No. 120,223; Jan. 15; v. 246; p. 821.
Clothing, Boys' outer. P. Walcoff. No. 121,836; May 28; v. 250; p. 995.
Clothing, Certain named. J. Bacon & Sons. No. 120,934; Mar. 19; v. 248; p. 763.
Clothing, Certain named. Baker, Murray & Imbrie. No. 122,566; Aug. 27; v. 253; p. 949.
Clothing, Certain named. S. Collat. No. 120,017; Jan. 1; v. 246; p. 297.
Clothing, Certain named. S. Collat. No. 122,579; Aug. 27; v. 253; p. 949.
Clothing, Certain named. Elder Manufacturing Co. No. 123,335; Oct. 29; v. 255; p. 1049.
Clothing, Certain named. A. Harris. No. 120,099; Jan. 8; v. 246; p. 564.
Clothing, Certain named. Johnston & Murphy. No. 124,004; Dec. 31; v. 257; p. 1076.
Clothing, Certain named. Keet & Rountree Dry Goods Company. No. 124,006; Dec. 31; v. 257; p. 1076.
Clothing, Certain named. Knox Hat Company. No. 123,910; Dec. 17; v. 257; p. 644.
Clothing, Certain named. A. M. Malouf. No. 120,885; Mar. 12; v. 248; p. 497.
Clothing, Certain named. McCawley & Co. No. 120,756; Mar. 5; v. 248; p. 230.
Clothing, Certain named. McCawley & Co. No. 121,074; Apr. 2; v. 249; p. 232.
Clothing, Certain named. D. Nusbaum & Co. No. 122,607; Aug. 27; v. 253; p. 950.
Clothing, Certain named. Pacific Mills. No. 121,486; Apr. 30; v. 249; p. 1220.
Clothing, Certain named. E. Rosenfeld & Company. No. 122,741; Sept. 10; v. 254; p. 447.
Clothing, Certain named. Sager Brothers. No. 120,639; Feb. 19; v. 247; p. 744.
Clothing, Certain named. Samuel W. Peck & Co. No. 121,490; Apr. 30; v. 249; p. 1220.
Clothing, Certain named. Samuel W. Peck & Co. No. 121,493; Apr. 30; v. 249; p. 1220.
Clothing, Certain named. Schulman Company. No. 123,283; Oct. 22; v. 255; p. 826.
Clothing, Certain named. O. L. Stannard. No. 122,758; Sept. 10; v. 254; p. 448.
Clothing, Certain named. Toone & Wells. No. 122,047; June 18; v. 251; p. 672.
Clothing, Certain named. Utica Duxbak Corporation. No. 122,048; June 18; v. 251; p. 672.
Clothing, Certain named. G. P. Van Lopik. No. 121,107; Apr. 2; v. 249; p. 233.
Clothing, Certain named. Von Der Heyde & John. No. 123,296; Oct. 22; v. 255; p. 826.
Clothing, Certain named. John Wanamaker, New York. No. 123,297; Oct. 22; v. 255; p. 826.
Clothing, Certain named. B. Wigely. No. 123,878; Dec. 10; v. 257; p. 406.
Clothing, Children's. M. H. Zimmerman. No. 121,534; Apr. 30; v. 249; p. 1221.
Clothing for men and boys, Certain named, Carson, Pirie, Scott & Co. No. 122,189; July 9; v. 252; p. 499.
Clothing for men, women, and children, Certain named. Carter Dry Goods Co. No. 123,547; Nov. 19; v. 256; p. 639.
Clothing for women, misses, and children, Certain named. A. L. Simon & Co. No. 123,657; Nov. 19; v. 256; p. 643.

Clutch-facings, leather and rubber belts and belting, Leather. Hide Leather & Belting Co. No. 123,238; Oct. 22; v. 255; p. 824.
Coal. Blue Diamond Coal Company. No. 122,428; Aug. 20; v. 253; p. 741.
Coal. P. A. Coen. No. 121,407; Apr. 30; v. 249; p. 1217.
Coal. Hatton, Brown & Company. No. 123,234; Oct. 22; v. 255; p. 824.
Coal. The Kenmont Coal Company. No. 120,107; Jan. 8; v. 246; p. 564.
Coal, Bituminous. Cosgrove & Company. Nos. 121,165–6; Apr. 16; v. 249; p. 735.
Coal, Lump-. Bruce Cherokee Coal Co. No. 121,399; Apr. 30; v. 249; p. 1217.
Coal-tar products. John Campbell & Co. Nos. 122,369–70; July 30; v. 252; p. 1139.
Coating compound in the nature of a paste or plaster. A. A. McPheeters. No. 123,467; Nov. 12; v. 256; p. 448.
Coating for crucibles, fire-brick, ladles, and saggars, Heat-resisting. H. H. Jarrett & Co. No. 121,556; May 7; v. 250; p. 251.
Coating for roads, &c., Tarry. The Barrett Company. Nos. 121,852–4; June 11; v. 251; p. 457.
Coats. Scott & Company. No. 121,831; May 28; v. 250; p. 995.
Coats and coat-dusters, Men's outer. Globe Shirt & Overall Co. No. 122,141; July 2; v. 252; p. 241.
Coats and dresses, Ladies' outer. Posner-Marinace. No. 123,272; Oct. 22; v. 255; p. 825.
Coats and overcoats. Gem Hammock & Fly Net Co. No. 121,775; May 28; v. 250; p. 994.
Coats and overcoats. M. & W. Naumburg & Co. No. 121,928; June 11; v. 251; p. 459.
Coats and suits. L. Stillman. No. 121,965; June 11; v. 251; p. 460.
Coats and skirts for women, Sport. The Burkhardt Bros. Company. No. 120,013; Jan. 1; v. 246; p. 297.
Coats, Infants' and children's. F. Neugass & Company. No. 123,263; Oct. 22; v. 255; p. 825.
Coats, overalls, work-shirts. Heidenheim Bros. No. 122,083; June 25; v. 251; p. 836.
Coats, pants, and vests, Men's. A. S. Anable. No. 122,666; Sept. 10; v. 254; p. 445.
Coats, pants, vests, and overcoats. N. Trivers & Bro. No. 123,628; Nov. 19; v. 256; p. 642.
Coats, trousers, vests, outer or over coats. Ed. V. Price & Company. No. 122,040; June 18; v. 251; p. 672.
Coats, vests, and trousers. R. H. Macy & Co. No. 120,275; Jan. 29; v. 246; p. 1200.
Coats, vests, and trousers, Men's. The Super-Value Company. No. 120,449; Feb. 5; v. 247; p. 241.
Coats, wraps, robes, &c., Infants'. Venus Manufacturing Co. No. 121,522; Apr. 30; v. 249; p. 1221.
Cocktails. A. D. Shaw & Co. No. 121,213; Apr. 16; v. 249; p. 737.
Coffee. Amsterdam Coffee Co. No. 120,541; Feb. 19; v. 247; p. 741.
Coffee. M. Betancur. No. 123,365; Oct. 29; v. 255; p. 1050.
Coffee. E. Brondi. No. 120,162; Jan. 15; v. 246; p. 819.
Coffee. Chase & Sanborn. No. 122,783; Sept. 17; v 254; p. 651.
Coffee. Chase & Sanborn. No. 123,331; Oct. 29; v. 255; p. 1049.
Coffee. A. Churchman. No. 121,263; Apr. 23; v. 249; p. 980.
Coffee. Clark & MacKusick Company. No. 123,205; Oct. 22; v. 255; p. 823.
Coffee. C. E. Coe Coffee Co. No. 121,703; May 21; v. 250; p. 763.
Coffee. Fort Smith Coffee Company. No. 120,375; Feb. 5; v. 247; p. 239.
Coffee. Fort Wayne Drug Company. No. 123,034; Oct. 8; v. 255; p. 362.
Coffee. R. L. Gerhart. No. 122,312; July 23; v. 252; p. 957.
Coffee. F. W. Gibson. No. 120,570; Feb. 19; v. 247; p. 742.
Coffee. H. E. Johnson. No. 123,604; Nov. 19; v. 256; p. 641.
Coffee. A. Kickbusch Grocery Company. No. 123,908; Dec. 17; v. 257; p. 643.
Coffee. C. H. Kroneberger & Co. No. 123,362; Oct. 29; v. 255; p. 1050.
Coffee. Malone & Hyde. No. 120,760; Mar. 5; v. 248; p. 231.
Coffee. E. B. Millar & Company. No. 123,740; Dec. 3; v. 257; p. 188.
Coffee. S. M. Newmark. No. 121,322; Apr. 23; v. 249; p. 981.
Coffee. Park & Tilford. No. 122,810; Sept. 17; v. 254; p. 652.
Coffee. The Pure Food Specialties Co. No. 123,386; Oct. 29; v. 255; p. 1051.
Coffee. Roanoke Coffee and Spice Co. No. 120,290; Jan. 29; v. 246; p. 1200.
Coffee. Roanoke Coffee and Spice Company. No. 123,061; Oct. 8; v. 255; p. 362.
Coffee. Samuel Mahon Company. No. 121,311; Apr. 23; v. 249; p. 981.
Coffee. Shapleigh Coffee Co. No. 122,824; Sept. 17; v. 254; p. 652.
Coffee. Stiles, Pellens Coffee Company. No. 120,696; Feb. 26; v. 247; p. 962.
Coffee. Stiles-Pellens Coffee Co. No. 122,351; July 23; v. 252; p. 958.
Coffee. Symons Bros. & Co. No. 122,352; July 23; v. 252; p. 958.
Coffee. The Tebbetts & Garland Store. No. 120,452; Feb. 5; v. 247; p. 241.
Coffee. The Woolson Spice Company. No. 123,409; Oct. 29; v. 255; p. 1052.
Coffee. Young & Griffin Coffee Co. No. 122,404; July 30; v. 252; p. 1140.
Coffee and tea. Cheek-Neal Coffee Co. No. 120,837; Mar. 12; v. 248; p. 495.
Coffee and tea. The H. D. Lee Mercantile Co. No. 122,030; June 18; v. 251; p. 672.
Coffee, Blended. Fort Smith Coffee Company. No. 120,374; Feb. 5; v. 247; p. 239.
Coffee, cocoanut, macaroni, spaghetti, flavoring extracts, Blend. E. Metzenaur Baking Powder Co. No. 120,763; Mar. 5; v. 248; p. 231.
Coffee in cans. Duncan Coffee Co. No. 123,701; Dec. 3; v. 257; p. 187.
Coffee, Instant. Satvi Health Food Company. No. 122,655; Sept. 3; v. 254; p. 221.
Coffee-mills. Wrightsville Hardware Company. No. 122,562; Aug. 20; v. 253; p. 745.
Coffee-pots. National Aluminum Works. No. 122,516; Aug. 20; v. 253; p. 744.
Coffee-pots. National Aluminum Works. No. 123,148; Oct. 15; v. 255; p. 607.
Coffee, Roasted. Betterton-Rupert Coffee Co. No. 122,672; Sept. 10; v. 254; p. 445.
Coffee, Roasted. Meyer Bros. Coffee and Spice Co. No. 122,899; Sept. 24; v. 254; p. 863.
Coffee substitute. A. F. Weppner. No. 121,685; May 14; v. 250; p. 512.
Coffee substitutes. Mrs. J. Williot fils. No. 122,120; June 25; v. 251; p. 837.
Coffee, tea, and flavoring extracts. The Jones Thierback Co. No. 121,303; Apr. 23; v. 249; p. 981.
Coffee, tea, salted peanuts, &c. Brundage Brothers Company. No. 123,327; Oct. 29; v. 255; 1049.
Coffee, tea, salted peanuts, &c. The Brundage Brothers Company. No. 123,545; Nov. 19; v. 256; p. 639.
Coffee wafers. The Coffee Products Company. No. 121,125; Apr. 9; v. 249; p. 503.
Coffees, teas, rice, spices, &c. C. F. Bonsor & Co. No. 120,544; Feb. 19; v. 247; p. 741.
Collars and shirts. Hall, Hartwell & Co. No. 120,259; Jan. 29; v. 246; p. 1199.
Collars, cuffs, and shirt-fronts, Textile. Astral, Limited. No. 120,058; Jan. 8; v. 246; p. 563.
Collars, cuffs, hosiery, gloves, overalls, &c. Burnham-Muger-Root Dry Goods Co. No. 120,248; Jan. 29; v. 246; p. 1199.
Collar cushion-bands. Samstag & Hilder Bros. Nos. 124,048–9; Dec. 31; v. 257; p. 1077.
Collars, Men's. Geo. P. Ide and Company. No. 122,027; June 18; v. 251; p. 671.
Collars, Men's and boys'. Earl & Wilson. No. 124,063; Dec. 31; v. 257; p. 1078.
Coloring material for leather. Western Manufacturing Company. No. 121,987; June 11; v. 251; p. 461.
Colors and dyestuffs, Anilin. J. L. McKenna. No. 121,721; May 21; v. 250; p. 764.
Colors, Anilin. J. F. Lawler. Nos. 123,457–9; Nov. 12; v. 256; p. 448.
Colors, Coal-tar. Society of Chemical Industry in Basle. No. 122,540; Aug. 20; v. 253; p. 745.
Colors, Coal-tar. Society of Chemical Industry in Basle. No. 122,753; Sept. 10; v. 254; p. 447.
Colors, Coal-tar. Society of Chemical Industry in Basle. No. 122,755; Sept 10; v. 254; p. 448.
Colors in oil, ready-mixed paints, and wood-filler. Wadsworth, Howland & Co. No. 123,179; Oct. 15; v. 255; p. 608.
Combustion of hydrocarbons, coals, and coke and reducing ashes and clinkerage, Increasing the. The Pyrox Corporation. No. 120,902; Mar. 12; v. 248; p. 497.
Composition for treatment of wounds, cuts. The Holliday Chemical Company. No. 123,040; Oct. 8; v. 255; p. 362.
Compound for the treatment of consumption and heart trouble. S. Yasuda. No. 121,997; June 11; v. 251; p. 461.
Compound for use in treating tuberculosis. R. Miller. No. 123,372; Oct. 29; v. 255; p. 1050.
Compounds of pyroxylin, Certain named articles made from. Celluloid Company. No. 123,330; Oct. 29; v. 255; p. 1049.
Concrete floors, Preparations for hardening, preserving, and waterproofing. A. C. Turner. No. 121,975; June 11; v. 251; p. 461.
Concrete-forms and parts thereof. The Hydraulic Pressed Steel Company. No. 121,898; June 11; v. 251; p. 458.
Concrete-hardeners, Metallic. The National Builders Company. No. 122,034; June 18; v. 251; p. 672.
Concrete products. Kampeska Materials Company. No. 122,711; Sept. 10; v. 254; p. 446.

Condenser-tubes. Yorkshire Copper Works. No. 123,309; Oct. 22; v. 255; p. 826.
Condition-powder and worm-destroyer, Stock. H. E. Bryan. No. 121,861; June 11; v. 251; p. 457.
Confections, Chocolate. C. N. Constas. No. 120,850; Mar. 12; v. 248; p. 496.
Confiners, camisoles, corsets, &c. C. B. Howe. No. 121,445; Apr. 30; v. 249; p. 1219.
Construction materials, Certain named. International Insulation Company. No. 123,355; Oct. 29; v. 255; p. 1050.
Construction materials, Certain named. A. T. Malmed & Co. No. 122,723; Sept. 10; v. 254; p. 447.
Construction materials, Certain named. Maritimo Coating Corporation. No. 120,034; Jan. 1; v. 246; p. 297.
Construction materials, Certain named. The Newport Rolling Mill Company. No. 120,619; Feb. 19; v. 247; p. 743.
Construction materials, Certain named. Sifo Products Company. No. 121,217; Apr. 16; v. 249; p. 737.
Cooking compound. W. H. Johnson. No. 120,395; Feb. 5; v. 247; p. 239.
Cooking compound produced from peanuts, Oleaginous. Magnolia Provision Company. Nos. 123,617–18; Nov. 19; vol. 256; p. 641.
Cooking utensils, Aluminum kitchen. Aluminum Products Company. No. 122,052; June 25; v. 251; p. 835.
Cooking utensils and household goods, Aluminum. Aluminum Goods Mfg. Company. No. 122,123; July 2; v. 252; p. 241.
Cooling compound, Certain named. Wm. C. Robinson & Son Co. No. 120,430; Feb. 5; v. 247; p. 240.
Copper, lead, zinc, gold, and silver. Phelps, Dodge & Company. No. 121,944; June 11; v. 251; p. 460.
Copper, lead, zinc, gold, and silver. Phelps, Dodge Corporation. No. 121,945; June 11; v. 251; p. 460.
Cordage and twine. Herman Kornahrens, Inc. No. 120,866; Mar. 12; v. 240; p. 496.
Cordial. C. T. Lauber. No. 121,912; June 11; v. 251; p. 459.
Core-binder and mold-wash for use in foundry practice. Mifflin Chemical Corporation. Nos. 123,738–9; Dec. 3; v. 257; p. 188.
Core-binder in the manufacture of iron castings, Extract to be used as a. The Champion Fibre Company. No. 121,545; May 7; v. 250; p. 251.
Cork substitute, Ground-. A. Ferré & Co. No. 120,472; Feb. 12; v. 247; p. 475.
Corn flakes. J. L. Kellogg. No. 122,713; Sept. 10; v. 254; p. 446.
Corn flakes, Toasted. J. L. Kellogg. No. 122.149; July 2; v. 252; p. 241.
Corn, Seed-. W. H. Turner & Son. No. 120,529; Feb. 12; v. 247; p. 477.
Cornets. C. G. Conn, Ltd. No. 123,105; Oct. 15; v. 255; p. 605.
Cornmeal. The Ansted & Burk Co. No. 122,945; Oct. 1; v. 255; p. 157.
Cornmeal. Louis R. Chazal and Sons Company. No. 121,262; Apr. 23; v. 249; p. 980.
Cornmeal. Ralston Purina Company. No. 122,817; Sept. 17; v. 254; p. 652.
Cornmeal, corn-chops, whole-wheat flour, hen feed, &c. Pittsburg Elevator Company. No. 121,726; May 21; v. 250; p. 764.
Cornmeal, corn flour and flakes, hominy, hominy-grits. Baltimore Pearl Hominy Company. No. 120,935; Mar. 19; v. 248; p. 763.
Corsets. American Lady Corset Company. No. 123,530; Nov. 19; v. 256; p. 639.
Corsets. Aurora Corset Company. No. 123,535; Nov. 19; v. 256; p. 639.
Corsets. Birdsey-Somers Company. No. 120,244; Jan. 29; v. 246; p. 1199.
Corsets. Birdsey-Somers Company. No. 122,571; Aug. 27; v. 253; p. 949.
Corsets. Kops Bros. No. 123,251; Oct. 22; v. 255; p. 825.
Corsets. The Kreeger Store. No. 122,594; Aug. 27; v. 253; p. 950.
Corsets. R. H. Macy & Co. No. 122,600; Aug. 27; v. 253; p. 950.
Corsets. Royal Worcester Corset Co. No. 122,616; Aug. 27; v. 253; p. 950.
Corsets. Uplift Corset Factory. No. 124,058; Dec. 31; v. 257; p. 1078.
Corsets, brassières, and ladies' underwaists. Kops Bros. No. 121,455; Apr. 30; v. 249; p. 1219.
Corsets, brassières, and ladies' underwaists. Kops Bros. No. 121,790; May 28; v. 250; p. 994.
Corsets, corset waists and covers. Olmstead Quaboag Corset Co. No. 120,622; Feb. 19; v. 247; p. 743.
Corundum, emery, and silicon carbid. General Abrasive Co. No. 120,569; Feb. 19; v. 247; p. 742.
Cosmetic. The La Valliere Co. No. 121,073; Apr. 2; v. 249; p. 232.
Cots, Folding. I. S. Purcell. No. 120,287; Jan. 29; v. 246; p. 1200.
Cotton and gauze, bandages, bandage-rolls, surgical wadding. Absorbent. Lewis Manufacturing Company. No. 120,504; Feb. 12; v. 247; p. 476.
Cotton and linen piece goods. Esteban Hermanos. No. 122,378; July 30; v. 252; p. 1139.
Cotton and woolen piece goods. Pacific Mills. No. 122,391; July 30; v. 252; p. 1140.
Cotton-batting. Marshall Field & Company. No. 121,798; May 28; v. 250; p. 994.
Cotton choppers and cultivators. Lanham Cotton Cultivator Company. No. 121,631; May 14; v. 250; p. 510.
Cotton, cotton and silk, and cotton and artificial-silk piece goods. American Textile Export Corporation. No. 121,744; May 28; v. 250; p. 993.
Cotton-duck goods, Manufactured. F. O. Berg. No. 120,476; Feb. 12; v. 247; p. 475.
Cotton fabrics in the piece, Woven. G. A. Stafford. No. 121,829; May 28; v. 250; p. 995.
Cotton fabric, Woven. Berkshire Mills. No. 123,844; Dec. 10; v. 257; p. 405.
Cotton goods in the piece. Everett, Heaney & Company. No. 120,484; Feb. 12; v. 247; p. 475.
Cotton goods in the piece. Everett, Heaney & Company. No. 121,768; May 28; v. 250; p. 993.
Cotton goods in the piece. Everett, Heaney & Company, Inc. No. 122,689; Sept. 10; v. 254; p. 445.
Cotton goods in the piece. Lonsdale Company. No. 123,912–13; Dec. 17; v. 257; p. 644.
Cotton, linen, silk, and wool piece goods and mixtures of same. Rice-Stix Dry Goods Company. No. 120,288; Jan. 29; v. 246; p. 1200.
Cotton, linen, silk, and woolen piece goods and admixtures of same. Morris & Company. No. 121,474; Apr. 30; v. 249; p. 1219.
Cotton piece and dress goods. Wm. Simpson, Sons & Co. No. 122,750; Sept. 10; v. 254; p. 447.
Cotton piece goods. Appleton Company. No. 121,747; May 28; v. 250; p. 993.
Cotton piece goids. Appleton Company. Nos. 122,054–8; June 25; v. 251; p. 835.
Cotton piece goods. Appleton Company. No. 123,883; Dec. 17; v. 257; p. 643.
Cotton piece goods. Arbuthnot-Stephenson Co. No. 120,473; Feb. 12; v. 247; p. 475.
Cotton piece goods. Converse & Company. No. 120,073; Jan. 8; v. 246; p. 563.
Cotton piece goods. Converse & Company. Nos. 123,208–9; Oct. 22; v. 255; p. 823.
Cotton piece goods. Converse & Company. No. 123,895; Dec. 17; v. 257; p. 643.
Cotton piece goods. Everett, Heaney & Company. No. 120,182; Jan. 15; v. 246; p. 820.
Cotton piece goods. Fordom Textile Company. No. 121,433; Apr. 30; v. 249; p. 1218.
Cotton piece goods. J. W. Goddard & Sons. No. 122,316; July 23; v. 252; p. 957.
Cotton piece goods. Henry Glass & Co. No. 122,315; July 23; v. 252; p. 957.
Cotton piece goods. The Harris Company. Nos. 123,230–3; Oct. 22; v. 255; p. 824.
Cotton piece goods. Haslin Mills. No. 120,609; Feb. 19; v. 247; p. 743.
Cotton piece goods. Higginbotham, Bailey, Logan Co. No. 123,239; Oct. 22; v. 255; p. 824.
Cotton piece goods. A. G. Hyde & Sons. No. 121,447; Apr. 30; v. 249; 1219.
Cotton piece goods. A. G. Hyde & Sons. No. 122,705; Sept. 10; v. 254; p. 446.
Cotton piece goods. Jones Brothers. No. 120,751; Mar. 5; v. 248; p. 230.
Cotton piece goods. Lakeside Mills. No. 120,268; Jan. 29; v. 246; p. 1200.
Cotton piece goods. Lancaster Mills. No. 121,457; Apr. 30; v. 249; p. 1219.
Cotton piece goods. Meritas Mills. No. 121,801; May 28; v. 250; p. 994.
Cotton piece goods. Pacific Mills. No. 120,514; Feb. 12; v. 247; p. 476.
Cotton piece goods. Pacific Mills. No. 120,898; Mar. 12; v. 248; p. 497.
Cotton piece goods. Pacific Mills. No. 120,996; Mar. 19; v. 248; p. 765.
Cotton piece goods. Pacific Mills. No. 121,092; Apr. 2; v. 249; p. 233.
Cotton piece goods. Pacific Mills. No. 121,203; Apr. 16; v. 249; p. 736.
Cotton piece goods. Pacific Mills. No. 121,813; May 28; v. 250; p. 995.
Cotton piece goods. Pacific Mills. No. 122,101; June 25; v. 251; p. 836.
Cotton piece goods. Pacific Mills. No. 122,390; July 30; v. 252; p. 1139.
Cotton piece goods. Rice-Stix Dry Goods Company. No. 120,524; Feb. 12; v. 247; p. 476.
Cotton piece goods. T. A. Shaw and Co. No. 121,502; Apr. 30; v. 249; p. 1220.
Cotton piece goods. L. & E. Stirn. No. 121,830; May 28; v. 250; p. 995.
Cotton piece goods. Taylor, Clapp & Beall. Nos. 120,229–30; Jan. 15; v. 246; p. 821.
Cotton piece goods. Taylor, Clapp & Beall. No. 121,513; Apr. 30; v. 249; p. 1221.
Cotton piece goods. Watts, Stebbins & Co. Nos. 123,300–3; Oct. 22; v. 255; p. 826.
Cotton piece goods. William Alsberg & Co. No. 123,183; Oct. 22; v. 255; p. 823.

Alphabetical list of trade-marks—Continued.

Cotton piece goods, Dyed. Burton Bros. & Co. No. 122,263; July 16; v. 252; p. 741.
Cotton piece goods or cotton and silk mixed piece goods, Plain white, dyed, or printed. Windsor Print Works. No. 120,652; Feb. 19; v. 247; p. 744.
Cotton piece goods, piece goods of cotton and linen, and piece goods of cotton and silk. H. L. Whiteley. Nos. 120,923–4; Mar. 12; v. 248; p. 498.
Cotton piece goods, Plain white, dyed, or printed. Windsor Print Works. Nos. 120,650–1; Feb. 19; v. 247; p. 744.
Cotton piece goods used as a window-glass substitute, Oiled and treated. T. R. Goodlatte & Sons. No. 122,965; Oct. 1; v. 255; p. 157.
Cotton piece goods, Woven. Neuss Hesslein & Co. No. 121,480; Apr. 30; v. 249; p. 1220.
Cotton-waste for cleaning machinery. H. Hemmerdinger. No. 121,443; Apr. 30; v. 249; p. 1218.
Cough-drops. Dean Medicine Company. Nos. 120,721–2; Mar. 5; v. 248; p. 229.
Cough-drops. C. H. L. Orton. No. 121,724; May 21; v. 250; p. 764.
Cough-drops. Schwarz & Son. No. 122,745; Sept. 10; v. 254; p. 447.
Cough mixtures. The Floral Drug Company. No. 120,965; Mar. 19; v. 248; p. 764.
Cough-syrup. Mrs. E. J. Jennings. No. 123,358; Oct. 29; v. 255; p. 1050.
Coupons and stamps, Insurance and cash. The People's Life Insurance Coupon Co. No. 122,986; Oct. 1; v. 255; p. 158.
Coupons, books, cards, covers, envelops, and receptacles, Certain named. Guardian Savings Club Co. No. 120,573; Feb. 19; v. 247; p. 742.
Coupons, Ice-. Southern Utilities Company. No. 120,526; Feb. 12; v. 247; p. 476.
Crackers. Loose-Wiles Biscuit Company. No. 122,328; July 23; v. 252; p. 958.
Crackers, cakes, biscuits. Johnson Educator Food Co. No. 123,359; Oct. 29; v. 255; p. 1050.
Cranes. The Champion Engineering Co. No. 120,951; Mar. 19; v. 248; p. 763.
Crates, Fruit and vegetable. Elberta Crate Company. No. 121,608; May 14; v. 250; p. 510.
Crayons, Artists'. Binney & Smith Co. No. 121,394; Apr. 30; v. 249; p. 1217.
Cream, being a cosmetic compound for use on the face, Toilet. E. R. Bowie. No. 120,711; Mar. 5; v. 248; p. 229.
Cream for sunburned, &c., skin. J. J. Gladke. No. 122,696; Sept. 10; v. 254; p. 446.
Cream-meal for human consumption and hominy feeds for animals. Aunt Jemima Mills Company. No. 123,884; Dec. 17; v. 257; p. 643.
Cream of fresh lemons, Compound toilet. Central Mfg. Company. No. 122,679; Sept. 10; v. 254; p. 445.
Cream of tartar, bluing, ammonia, &c. Howard & Casey Co. No. 120,262; Jan. 29; v. 246; 1200.
Cream, Toilet. Howard Bros. Chemical Co. No. 123,599; Nov. 19; v. 256; p. 641.
Cream, Toilet. F. N. Lewis. No. 123,464; Nov. 12; v. 256; p. 448.
Cream used externally for certain named ailments, Medical. Feather Foot Company. No. 122,690; Sept. 10; v. 254; p. 445.
Cream, Vegetable face-. J. H. Rimpler. No. 120,429; Feb. 5; v. 247; p. 240.
Creams and lotions, Face. F. Aranow. No. 123,418; Nov. 12; v. 256; p. 447.
Creams and powders, tooth-paste, hair-tonic, &c., Face. J. Agan. No. 121,030; Apr. 2; v. 249; p. 231.
Creams, Cold and face-massage. H. J. Haynor. No. 123,940; Dec. 24; v. 257; p. 813.
Creams, Toilet. A. Minty. No. 121,315; Apr. 23; v. 249; p. 981.
Creams, Toilet and dental. The William S. Merrell Chemical Company. No. 121,313; Apr. 23; v. 249; p. 981.
Creepers, Babies'. Sears, Roebuck and Co. No. 123,859; Dec. 10; v. 257; p. 405.
Cribs, Infant-. The Caldwell Manufacturing Company. No. 120,715; Mar. 5; v. 248; p. 229.
Crockery, earthenware, and porcelain, Certain named. Fulper Pottery Company. No. 121,888; June 11; v. 251; p. 458.
Crumb-sweeper. Wilmort Manufacturing Company. No. 123,680; Nov. 19; v. 256; p. 643.
Cuffs and shirt-bosoms. The Celluloid Company. No. 121,404; Apr. 30; v. 249; p. 1217.
Current, Apparatus for rectifying alternating. General Electric Company. No. 120,737; Mar. 5; v. 248; p. 230.
Cutlery, Certain named. Aerial Cutlery Manufacturing Company. No. 120,311; Feb. 5; v. 247; p. 237.
Cutlery, machinery, and tools, and parts thereof, Certain named. J. B. Adt. No. 121,383; Apr. 30; v. 249; p. 1217.
Cutlery, machinery, and tools, and parts thereof, Certain named. American Steel Products Co. No. 122,255; July 16; v. 252; p. 741.
Cutlery, machinery, and tools, and parts thereof, Certain named. G. Barnsley & Sons. Nos. 122,260–61; July 16; v. 252; p. 741.
Cutlery, machinery, and tools, and parts thereof, Certain named. Chicago Pneumatic Tool Company. No. 123,981; Dec. 31; v. 257; p. 1075.
Cutlery, machinery, and tools, and parts thereof, Certain named. Enderes Incorporated. No. 121,609; May 14; v. 250; p. 510.
Cutlery, machinery, and tools, and parts thereof, Certain named. The Fafnir Bearing Company. No. 122,136; July 2; v. 252; p. 241.
Cutlery, machinery, and tools, and parts thereof, Certain named. Jensen Creamery Machinery Company. No. 121,301; Apr. 23; v. 249; p. 981.
Cutlery, machinery, and tools, and parts thereof, Certain named. The National Supply Company. No. 121,320; Apr. 23; v. 249; p. 981.
Cutlery, machinery, and tools, and parts thereof, Certain named. Peter A. Frasse & Co. No. 120,967; Mar. 19; v. 248; p. 764.
Cutlery, machinery, and tools, and parts thereof, Certain named. Peter A. Frasse & Co. No. 123,588; Nov. 19; v. 256; p. 641.
Cutlery, machinery, and tools, and parts thereof, Certain named. Leader Iron Works. No. 124,013; Dec 31; v. 257; p. 1076.
Cutlery, machinery, and tools, and parts thereof, Certain named. One Wheel Truck Company. No. 124,035; Dec. 31; v. 257; p. 1077.
Cutlery, machinery, and tools, and parts thereof, Certain named. Spartan Saw Works. No. 121,962; June 11; v. 251; p. 460.
Cutlery, machinery, and tools, and parts thereof. Certain named. Stowe Supply Company. No. 123,660; Nov. 19; v. 256; p. 643.
Cutlery, machinery, and tools, and parts thereof, Certain named. A. R. Walker. No. 123,668; Nov. 19; v. 256; p. 643.
Cutlery, machinery, &c., Certain named. Bahr Bros. Manufacturing Co. No. 123,536; Nov. 19; v. 256; p. 639.
Cutlery, machinery, &c., Certain named. Challenge Company. Nos. 123,555–6; Nov. 19; v. 256; p. 640.
Cutter, reamer, and drill cases, drill-case bases, drill-blocks. Union Twist Drill Co. No. 120,919; Mar. 12; v. 248; p. 498.
Cutter, reamer, and drill cases, drill-case bases, drill-blocks. Union Twist Drill Co. No. 121,569; May 7; v. 250; p. 252.
Damp-proofing liquid. The Philip Carey Manufacturing Company. No. 123,751; Dec. 3; v. 257; p. 189.
Deodorizing and disinfecting perfume. Wilson Chemical Company. No. 121,115; Apr. 2; v. 249; p. 233.
Dental cream. B. L. Dieffenbacher. No. 121,548; May 7; v. 250; p. 251.
Dental cream. Pyrotol Chemical Co. No. 121,822; May 28; v. 250; p. 995.
Dental cream, Medicated. Calypto Company. No. 121,604; May 14; v. 250; p. 510.
Dental, medical, and surgical appliances, Certain named. Celluloid Company. No. 123,099; Oct. 15; v. 255; p. 605.
Dental, medical, and surgical appliances, Certain named. H. G. Fischer & Co. No. 121,885; June 11; v. 251; p. 458.
Dental, medical, and surgical appliances, Certain named. J. A. Rainville. No. 121,654; May 14; v. 250; p. 511.
Dental, medical, and surgical appliances, Certain named. Wappler Electric Co. No. 123,504; Nov. 12; v. 256; p. 450.
Dental preparation. R. H. Ferry. No. 122,380; July 30; v. 252; p. 1139.
Dental-root-canal instrument. W. W. Adler. No. 123,412; Nov. 12; v. 256; p. 447.
Dentifrice. R. H. Nelson. No. 121,929; June 11; v. 251; p. 459.
Dentifrice. Frederick Stearns & Co. No. 123,763; Dec. 3; v. 257; p. 189.
Dentifrices. Parfumerie Marceau. No. 121,941; June 11; v. 251; p. 460.
Dentist's polishing and grinding tool. Samuel A. Crocker Company. No. 123,695; Dec. 3; v. 257; p. 187.
Deodorants and preparations to allay perspiration. Oneida Corporation. No. 123,633; Nov. 19; v. 256; p. 642.
Depilatories. M. E. Hosely. No. 123,907; Dec. 17; v. 257; p. 643.
Depilatory. F. N. Lewis. No. 123,441; Nov. 12; v. 256; p. 448.
Depilatory. Sheffield Pharmacal Co. No. 122,748; Sept. 10; v. 254; p. 447.
Depilatory powder. The Removo Co. No. 121,096; Apr. 2; v. 249; p. 233.
Detergent, abrasive, and polishing materials, Certain named. Bennett and Bennett. No. 120,241; Jan. 29; v. 246; p. 1199.
Detergent compound for cleaning polished and unpolished surfaces. American Marble Cleaning and Bleaching Co. No. 120,314; Feb. 5; v. 247; p. 237.
Detergent used as an aid to soap for washing. Seibert Mfg. Company. No. 122,287; July 16; v. 252; p. 742.
Developers. E. J. Wessels. No. 121,374; Apr. 23; v. 249; p. 983.

Alphabetical list of trade-marks—Continued.

Dextrin. Chas. Morningstar & Co. No. 122,729; Sept. 10; v. 254; p. 447.
Dextrin. Corn Products Refining Co. No. 120,555; Feb. 19; v. 247; p. 741.
Diapers, Hemmed. The Millville Manufacturing Company. No. 121,198; Apr. 16; v. 249; p. 736.
Dice for playing a game, Lettered. E. H. McKerg. No. 120,273; Jan. 29; v. 246; p. 1200.
Dictating-machines. Thomas A. Edison, Incorporated. No. 123,028; Oct. 8; v. 255; p. 361.
Digestive powder. O. A. Krampf. No. 120,400; Feb. 5; v. 247; p. 239.
Dinner-ware, Semi-porcelain. The Summit China Company. No. 121,220; Apr. 16; v. 249; p. 737.
Dioxydiaminoarsenobenzol methylene sulfo-oxalate of soda. Etablissements Poulenc Frères. No. 123,438; Nov. 12; v. 256; p. 448.
Discolorations from leather, paper, and fabrics, Liquid for the removal of. M. C. Barbour. No. 123,419; Nov. 12; v. 256; p. 447.
Disinfectant. J. A. Palmer. No. 123,949; Dec. 24; v. 257; p. 813.
Disinfectant. Wilson Chemical Company. No. 121,116; Apr. 2; v. 249; p. 233.
Disinfectant and antiseptic. Lyster Chemical Company. No. 122,978; Oct. 1; v. 255; p. 158.
Disinfectant and germicide. Ernst Zobel Company. No. 120,365; Feb. 5; v. 247; p. 238.
Disinfectant, antiseptic, and germicidal substance. William Pearson Limited. No. 122,737; Sept. 10; v. 254; p. 447.
Dish-washing machines. The Hamilton-Low Company. No. 123,594; Nov. 19; v. 256; p. 641.
Disinfectant, deodorant, and germicide. Frederick Stearns & Co. No. 121,104; Apr. 2; v. 249; p. 233.
Disinfectant-diffusing apparatus. The Te Jure Products Company. No. 121,223; Apr. 16; v. 249; p. 757.
Disinfectant, sterilizer, cleanser, and deodorant, Liquid. L. Sonneborn Sons. No. 120,120; Jan. 8; v. 246; p. 565.
Disinfectants. Clifford and Cobb. No. 120,347; Feb. 5; v. 247; p. 238.
Disinfectants, germicides, antiseptics. Parke, Davis & Co. No. 124,039; Dec. 31; v. 257; p. 1077.
Disinfectants, insect-exterminators, stock-dip, &c. Cremoline Disinfecting Co. No. 120,075; Jan. 8; v. 246; p. 563.
Display or advertising machines, Electric store-window. Herberts Engineering Company. No. 120,742; Mar. 5; v. 248; p. 230.
Dolls. Elektra Toy & Novelty Co. No. 121,176; Apr. 16; v. 249; p. 735.
Dolls. Ideal Novelty and Toy Co. No. 121,448; Apr. 30; v. 249; p. 1219.
Dolls. Kellow & Brown Novelty Company. No. 122,491; Aug. 20; v. 253; p. 743.
Dolls and doll-dresses. Fleischaker & Baum. No. 121,710; May 21; v. 250; p. 763.
Doors, Automatic. National Automatic Door Company. No. 120,209; Jan. 15; v. 246; p. 820.
Dolls, doll toys, and doll novelties. National Joint-Limb Doll Co. No. 123,057; Oct. 8; v. 255; p. 362.
Doors and window-sash and door and window frames, Metallic. Lyon Metallic Manufacturing Company. No. 123,142. Oct. 15; v. 255; p. 607.
Doors, Metal fireproof. Solar Metal Products Co. No. 123,493; Nov. 12; v. 256; p. 449.
Dough-batch ingredient, Dry-powder. W. B. Johnson. No. 122,977; Oct. 1; v. 255; p. 158.
Drawings, Series of comic. M. C. Blosser. No. 123,786; Dec. 10; v. 257; p. 403.
Dress and hair-ribbon fasteners. The George S. Kelley Co. No. 121,304; Apr. 23; v. 249; p. 981.
Dress-fasteners. Columbia Fastener Company. No. 120,849; Mar. 12; v. 248; p. 496.
Dress-fasteners. Columbia Fastener Company. No. 122,265; July 16; v. 252; p. 741.
Dress-fasteners. Columbia Fastener Company. Nos. 122,847–8; Sept. 24; v. 254; p. 861.
Dress-fasteners. I. Fleischer & Sons. No. 122,452; Aug. 20; v. 253; p. 742.
Dress-fasteners. The United Trimming Co. No. 122,932; Sept. 24; v. 254; p. 864.
Dress-fasteners, Spring. A. Haslauer. No. 121,296; Apr. 23; v. 249; p. 981.
Dress, Girl's two-piece. L. McNaughton. No. 122,722; Sept. 10; v. 254; p. 446.
Dress, Middy-blouse. Sanger Brothers. No. 121,011; Mar. 19; v. 248; p. 765.
Dress-shields. I. B. Kleinert Rubber Company. No. 121,788; May 28; v. 250; p. 994.
Dresses. Julius D. Booth & Son. No. 122,009; June 18; v. 251; p. 671.
Dresses. Dicker & Ginsberg. No. 123,698; Dec. 3; v. 257; p. 187.
Dresses. Jordan Marsh Company. No. 120,138; Jan. 8; v. 246; p. 565.
Dresses. M. P. Rae. No. 123,855; Dec. 10; v. 257; p. 405.
Dresses. S. Sprintz. No. 120,645; Feb. 19; v. 247; p. 744.
Dresses and children's underskirts and combination-underskirts, Infants' and children's. Nathan Krauskopf Company. No. 121,070; Apr. 2; v. 249; p. 232.
Dresses and outer suits, Women's and children's. S. Phillips & Son. No. 120,520; Feb. 12; v. 247; p. 476.
Dresses and shirt, dress, and under waists. E. Deutsch. No. 120,481; Feb. 12; v. 247; p. 475.
Dresses, bloomers, and rompers, Children's. Fitchburg Garment Co. No. 121,429; Apr. 30; v. 249; p. 1218.
Dresses, Children's. J. Eichwald. No. 123,215; Oct. 22; v. 255; p. 824.
Dresses, Children's. Hamburger & Co. No. 123,229; Oct. 22; v. 255; p. 824.
Dresses, Children's. W. L. Leavy. No. 121,791; May 28; v. 250; p. 994.
Dresses, dress-waists, outer suits, and coats. Max Greenberg & Co. No. 120,973; Mar. 19; v. 248; p. 764.
Dresses, Ladies' and misses'. Jos. A. Morris & Co. No. 121,078; Apr. 2; v. 249; p. 232.
Dresses, rompers, suits, underwear, Children's. J. L. Allen. No. 121,387; Apr. 30; v. 249; p. 1217.
Dresses, Women's and children's house, outing, &c. Adair & Anhalt. No. 123,527; Nov. 19; v. 256; p. 639.
Dresses, Women's. Bonnie Lassie M'f'g. Co. No. 123,192; Oct. 22; v. 255; p. 823.
Driers, coolers, and cookers, Certain named. J. B. Adt. No. 120,051; Jan. 8; v. 246; p. 563.
Drill-presses, Metal-working. The Silver Manufacturing Company. No. 122,161; July 2; v. 252; p. 242.
Drilling, tapping, and cutting metals, Oily compounds employed in. Pittsburgh Compound Company. No. 120,215; Jan. 15; v. 246; p. 821.
Drills and reamers, milling-cutters, &c., Twist-. Fry's (London). No. 120,379; Feb. 5; v. 247; p. 239.
Drills, Colored cotton. Ferguson-McKinney Mfg. Co. No. 122,691; Sept. 10; v. 254; p. 445.
Drills, Cotton. Ferguson-McKinney Mfg. Co. No. 123,901; Dec. 17; v. 257; p. 643.
Drills, drill bits and sharpeners, Rock-. The Denver Rock Drill Manufacturing Company. No. 121,271; Apr. 23; v. 249; p. 980.
Drills, tool-bits, reamers, &c. L. C. Blancke Co. No. 121,248; Apr. 23; v. 249; p. 979.
Drink, Food. N. C. Bentz, Sr. No. 121,136; Apr. 9; v. 249; p. 503.
Drink, Non-alcoholic soft. Kips Bay Brewing & Malting Company. No. 122,645; Sept. 3; v. 254; p. 221.
Drink, Soft. Purity Brewing Company. No. 121,207; Apr. 16; v. 249; p. 736.
Drinking-fountains and parts thereof. Puro Sanitary Drinking Fountain Co. No. 120,218; Jan. 15; v. 246; p. 821.
Drinks and syrups for making same, Soft. The Lemola Co. No. 123,462; Nov. 12; v. 256; p. 448.
Drinks and syrups therefor, Soft. Ozone Spring Water & Beverage Co. No. 122,609; Aug. 27; v. 253; p. 950.
Duck and osnaburg, Cotton. Beaumont Manufacturing Company. No. 123,887; Dec. 17; v. 257; p. 643.
Duck, Cotton. Mount Vernon-Woodberry Mills. Nos. 121,475–6; Apr. 30; v. 249; p. 1219.
Duck, Cotton. Mount Vernon-Woodberry Mills. No. 121,806; May 28; v. 250; p. 995.
Duck sheetings, drills, osnaburgs, Cotton. T. A. Shaw and Co. No. 121,828; May 28; v. 250; p. 995.
Dye. Payne Chemical Company. No. 120,213; Jan. 15; v. 246; p. 821.
Dye, Chemical compound used as a. The Butterfly Tinting Company. No. 120,164; Jan. 15; v. 246; p. 819.
Dyes. Palatine Analine & Chemical Corporation. Nos. 123,746–8; Dec. 3; v. 257; p. 189.
Dyes. J. C. Sparks. No. 122,757; Sept. 10; v. 254; p. 448.
Dyes and dyestuffs generally, Anilin. Dicks David Co. No. 122,861; Sept. 24; v. 254; p. 861.
Dyes, and particularly a combined soap or cleaner and dye. C. C. Huffman. No. 121,182; Apr. 16; v. 249; p. 736.
Dyes, Anilin. Associated Import & Export Co. No. 122,256; July 16; v. 252; p. 741.
Dyes, Anilin. Doherr Grimm & Company. No. 121,272; Apr. 23; v. 249; p. 980.
Dyes combined with soap. Sunbeam Chemical Company. No. 123,001; Oct. 1; v. 255; p. 158.
Dyes combined with soap. Sunbeam Chemical Company. No. 123,501; Nov. 12; v. 256; p. 449.
Dyes combined with soap. Sunbeam Chemical Company. No. 123,662; Nov. 19; v. 256; p. 643.
Dyes combined with soaps. Sunbeam Chemical Company. No. 121,352; Apr. 23; v. 249; p. 982.
Dyes, Straw-hat. S. C. Markatos. No. 123,736; Dec. 3; v. 257; p. 188.
Dyestuffs, Coal-tar. National Aniline & Chemical Company. No. 123,946; Dec. 24; v. 257; p. 813.
Dyestuffs. The Brassard Company. No. 121,253; Apr. 23; v. 249; p. 979.
Dyestuffs, anilin dyes and colors. John Campbell & Co. No. 123,018; Oct. 8; v. 255; p. 361.
Dyestuffs. Imperial Dyewood Company. No. 122,883; Sept. 24; v. 254; p. 862.
Dyestuffs, pigments, and colors used in dyeing and printing. Kuttroff, Pickhardt & Co. No. 121,190; Apr. 16; v. 249; p. 736.
Dyestuffs, Vegetable. J. S. Young & Company. No. 124,064; Dec. 31; v. 257; p. 1078.
Dyewood extracts. Bush, Beach & Gent. No. 122,130; July 2; v. 252; p. 241.

Ear-drum, Artificial. A. O. Leonard. No. 120,271; Jan. 29; v. 246; p. 1200.
Earthenware receptacles for perishable goods. Nya Aktiebolaget Terracotta. No. 120,280; Jan. 29; v. 246; p. 1200.
Egg-beaters. Alexander & Littlefield Company. No. 123,182; Oct. 22; v. 255; p. 823.
Egg-preservatives. J. P. Ball. No. 123,316; Oct. 29; v. 255; p. 1049.
Egg-preserving compound. McCormick & Co. No. 124,021; Dec. 31; v. 257; p. 1077.
Egg substitute. Bestever Products Co. No. 122,671; Sept. 10; v. 254; p. 445.
Egg substitute. Culinary Products Co. No. 122,786; Sept. 17; v. 254; p. 651.
Egg substitute. The Holley Company. No. 122.146; July 2; v. 252; p. 241.
Egg substitute. Ovette Manufacturing Co. No. 123,266; Oct. 22; v. 255; p. 825.
Egg substitute. H. Reinshagen & Company. No. 123,157; Oct. 15; v. 255; p. 607.
Egg substitute. White Cross Laboratories. No. 123,076; Oct. 8; v. 255; p. 363.
Egg substitute in powder form. Commercial Laboratories. No. 123,025; Oct. 8; v. 255; p. 361.
Eggs, creamery-butter, mustard, cloves, sage, ginger. The American Grocery Co. No. 123,961; Dec. 31, v. 257; p. 1075.
Eggs, Dehydrated. H. G. Porter. No. 121,821; May 28; v. 250; p. 995.
Eggs, Fresh. W. Patten. No. 122,284; July 16; v. 252; p. 742.
Electric controllers. The Jeffrey Manufacturing Company. No. 120,393; Feb. 5; v. 247; p. 239.
Electric-incandescent-light bulbs. North American Electric Lamp Company. No. 122,808; Sept. 17; v. 254; p. 652.
Electric-light fixtures. Luminous Unit Company. No. 120,405; Feb. 5; v. 247; p. 240.
Electric-light fixtures. St. Louis Brass Manufacturing Company. No. 121,019; Mar. 19; v. 248; p. 765.
Electric machines for medical use. Wappler Electric Co. No. 123,670; Nov. 19; v. 256; p. 643.
Electric push-buttons and the shells or holders containing same. The Celluloid Company. No. 123,100; Oct. 15; v. 255; p. 605.
Electric sockets. J. H. Parker & Son. No. 123,636; Nov. 19; v. 256; p. 642.
Electric switch-locking devices. Pringle Electrical Mfg. Company. No. 121,566; May 7; v. 250; p. 252.
Electric switches. J. M. Terzich. No. 122,245; July 9; v. 252; p. 501.
Electric switches and electrical devices for causing dimming of headlights. L. F. Watson. No. 121,985; June 11; v. 251; p. 461.
Electric switches and parts thereof. The Bryant Electric Co. No. 120,336; Feb. 5; v. 247; p. 238.
Electric wire. U. T. Hungerford Brass & Copper Co. No. 122,465; Aug. 20; v. 253; p. 742.
Electrical apparatus, Certain named. Motor Parts Company. No. 120,768; Mar. 5; v. 248; p. 231.
Electrical apparatus, machines, and supplies, Certain named. The Bryant Electric Company. No. 120,944; Mar. 19; v. 248; p. 763.
Electrical apparatus, machines, and supplies, Certain named. The Bryant Electric Company. Nos. 121,585–6; May 14; v. 250; p. 509.
Electrical apparatus, machines, and supplies, Certain named. Celluloid Company. No. 123,977; Dec. 31; v. 257; p. 1075.
Electrical apparatus, machines, and supplies, Certain named. The Cuno Engineering Corporation. No. 122,309; July 23; v. 252; p. 957.
Electrical apparatus, machines, and supplies, Certain named. Frankel Connectors Co. No. 121,284; Apr. 23; v. 249; p. 980.
Electrical apparatus, machines, and supplies, Certain named. A. C. Gilbert Company. No. 123,991; Dec. 31; v. 257; p. 1076.
Electrical apparatus, machines, and supplies, Certain named. New York Gas & Electric Appliance Co. No. 121,644; May 14; v. 250; p. 511.
Electrical apparatus, machines, and supplies, Certain named. F. B. Perry. No. 121,326; Apr. 23; v. 249; p. 981.
Electrical apparatus, machines, and supplies, Certain named. Standard Electric Company. No. 123,659; Nov. 19; v. 256; p. 643.
Electrical apparatus, machines, and supplies, Certain named. W. Suckling & Sons. No. 123,661; Nov. 19; v. 256; p. 643.
Electrical apparatus, machines, and supplies, Certain named. Vielé, Blackwell & Buck. No. 124,060; Dec. 31; v. 257; p. 1078.
Electrical conduits, Closures for ends of. Walker Brothers & Haviland. No. 122,551; Aug. 20; v. 253; p. 745.
Electrical goods, Certain named. W. R. Ostrander & Co. No. 123,153; Oct. 15; v. 255; p. 607.
Electrical insulation. Irvington Varnish & Insulator Co. No. 122,801; Sept. 17; v. 254; p. 652.
Electrical lighting-fixtures. Cassidy & Son Manufacturing Company. No. 123,549; Nov. 19; v. 256; p. 639.
Electrical sockets, plugs, motors, and generators. Ralco Manufacturing Company. No. 123,644; Nov. 19; v. 256; p. 642.
Electrical supplies, Certain named. Chicago Fuse Mfg. Co. No. 120,343; Feb. 5; v. 247; p. 238.
Electrical switches. W. A. McCombs & Co. No. 123,616; Nov. 19; v. 256; p. 641.
Electricity in printing-presses, Composition for preventing injurious accumulation of static. Static Neutralizer Co. No. 120,445; Feb. 5; v. 247; p. 241.
Electromedical apparatus, Certain named. The Kny-Scheerer Corporation. No. 121,719; May 21; v. 250; p. 764.
Elevator and sectional elevator spouts, spout-sections, and parts thereof. Whitemore Manufacturing Co. No. 122,250; July 9; v. 252; p. 501.
Elevators, dumb-waiters, and parts thereof. The Haughton Elevator & Machine Co. No. 121,297; Apr. 23; v. 249; p. 981.
Embalming fluids. The Max Huncke Chemical Co. No. 122,223; July 9; v. 252; p. 500.
Embalming fluids. The Max Huncke Chemical Co. No. 123,840; Dec. 10; v. 257; p. 405.
Embalming fluids. The Max Huncke Chemical Co. No. 123,842; Dec. 10; v. 257; p. 405.
Embalming liquids. Bizzoni Process Co. Nos. 123,784–5; Dec. 10; v. 257; p. 403.
Embroidery. Borinquen Import Co. No. 120,939; Mar. 19; v. 248; p. 763.
Embroidery-cotton. Carson, Pirie, Scott & Co. No. 121,402; Apr. 30; v. 249; p. 1217.
Enamels. Cooper-Bell Varnish Co. No. 121,873; June 11; v. 251; p. 458.
Enamels and paints. Briggs Bituminous Composition Company. No. 120,941; Mar. 19; v. 248; p. 763.
Endive, alligator-pears, and potatoes, Fresh. M. Waterman. No. 122,763; Sept. 10; v. 254; p. 448.
Engines and moisturizers therefor, Internal-combustion. Carpenter & Company. No. 122,131; July 2; v. 252; p. 241.
Engines and parts for self-propelled vehicles, Internal-combustion. Auto-Ped Company of America. No. 120,932; Mar. 19; v. 248; p. 763.
Engines, Apparatus for moistening air for use on gas-. Carbon Destroyer Corporation. No. 122,185; July 9; v. 252; p. 499.
Engines, Device for controlling fuel-supply of internal-combustion. W. H. Thomas Co. No. 121,972; June 11; v. 251; p. 461.
Engines for airships and aeroplanes, Internal-combustion. Rolls-Royce Limited. No. 124,047; Dec. 31; v. 257; p. 1077.
Engines, Internal-combustion. Nelson Bros. Co. No. 121,930; June 11; v. 251; p. 459.
Envelops. Duboc Paper Company. No. 122,268; July 16; v. 252; p. 741.
Expansion-sleeves. C. S. Stannard. No. 123,170; Oct. 15; v. 255; p. 607.
Explosives, firearms, equipments, and projectiles, Certain named. E. I. du Pont de Nemours & Company. No. 121,175; Apr. 16; v. 249; p. 735.
Extract of malt and hops, Non-alcoholic. Crown Brewing Company. No. 122,639; Sept. 3; v. 254; p. 221.
Extracts and colorings used in making soft drinks, Certain named. The Beau-Site Company. No. 122,839; Sept. 24; v. 254; p. 861.
Eye-tonic. G. C. Hoencke. No. 122,379; July 30; v. 252; p. 1139.
Eyeglass-frames. United Optical Company. No. 121,673; May 14; v. 250; p. 512.
Eyeglass-lens mountings. Uhlemann Optical Co. No. 121,669; May 14; v. 250; p. 512.
Eyeglass-mountings. Universal Optical Corporation. No. 120,232; Jan. 15; v. 246; p. 821.
Eyeglass-shields, Pocket. E. H. Binns. No. 120,243; Jan. 29; v. 246; p. 1199.
Eyeglasses. T. A. Willson & Co. No. 121,994; June 11; v. 251; p. 461.
Fabric woven of woolen and worsted yarns and silk. Holden-Leonard Co. No. 121,777; May 28; v. 250; p. 994.
Fabric woven of worsted and woolen yarns and silk. Holden-Leonard Co. No. 122,084; June 25; v. 251; p. 836.
Fabrics for certain named purposes, Impregnated. Standard Woven Fabric Company. No. 120,121; Jan. 8; v. 246; p. 565.
Fabrics, Pile. Collins & Aikman Company. No. 122,067; June 25; v. 251; p. 835.
Fabrics, Stock-rolls for. Cylinder Manufacturing Company. Nos. 120,558–61; Feb. 19; v. 247; p. 741.
Fancy goods, furnishings, and notions, Certain named. The Celluloid Company. No. 123,424; Nov. 12; v. 256; p. 447.
Fans and blowers, Ventilating. J. D. Parker. No. 120,517; Feb. 12; v. 247; p. 476.
Feathers. Schadt & Mathewson. No. 122,535; Aug. 20; v. 253; p. 744.
Feed and meat scraps for chickens, Hog. Chicago Feed & Fertilizer Co. No. 123,562. Nov. 19; v. 256; p. 640.
Feed, Cattle. S. F. Scattergood & Co. No. 120,043; Jan. 1; v. 246; p. 298.

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Feed, Chick. The Park & Pollard Company. No. 122,341; July 23; v. 252; p. 958.
Feed, Dairy. Chapin & Company. No. 122,436; Aug. 20; v. 253; p. 741.
Feed, Dairy. International Sugar Feed Co. No. 124,002; Dec. 31; v. 257; p. 1076.
Feed, Dairy and poultry. Early & Daniel Company. No. 123,212; Oct. 22; v. 255; p. 824.
Feed for dairy-cattle, Mixed. The Larrowe Milling Co. No. 120,269; Jan. 29; v. 246; p. 1200.
Feed, Hen. A. R. Martin. No. 121,799; May 28; v. 250; p. 994.
Feed, Horse and mule. Early & Daniel Company. No. 123,213; Oct. 22; v. 255; p. 824.
Feed, Mixed. M. C. Peters Mill Co. No. 122,038; June 18; v. 251; p. 672.
Feed, Poultry. Burt H. Winchester, Inc. No. 122,295; July 16; v. 252; p. 742.
Feed, Poultry. M. C. Peters Mill Co. No. 122,039; June 18; v. 251; p. 672.
Feed, Poultry. Swift and Company. No. 122,290; July 16; v. 252; p. 742.
Feeds, Stock. Crabbs Reynolds Taylor Co. No. 122,850; Sept. 24; v. 254; p. 861.
Feed, Stock. Edgar-Morgan Company. No. 121,637; May 14; v. 250; p. 511.
Feed, Stock. L. J. Meader. No. 120,606; Feb. 19; v. 247; p. 743.
Feed, Stock. L. J. Meader. No. 120,683; Feb. 26; v. 247; p. 962.
Feed-water regulators and pump-governors. Northern Equipment Company. No. 124,032; Dec. 31; v. 257; p. 1077.
Feeds, Poultry. Southern Feed Company. No. 121,731; May 21; v. 250; p. 764.
Feeds, Poultry and hog. International Sugar Feed Co. No. 124,003; Dec. 31; v. 257; p. 1076.
Feeds, Stock. Southern Feed Company. No. 121,732; May 21; v. 250; p. 764.
Fence-posts, Steel. American Steel Products Co. No. 122,419; Aug. 20; v. 253; p. 741.
Fertilizer. The American Agricultural Chemical Co. No. 121,151; Apr. 16; v. 249; p. 735.
Fertilizer. Chickamauga Fertilizer Works. No. 122,190; July 9; v. 252; p. 499.
Fertilizer. The Fertile Company. No. 122,205; July 9; v. 252; p. 500.
Fertilizer. H. E. Memminger. No. 120,140; Jan. 8; v. 246; p. 565.
Fertilizer, Mixed. United Oil Mills. No. 123,666; Nov. 19; v. 256; p. 643.
Fertilizers. The American Agricultural Chemical Company. No. 122,363; July 30; v. 252; p. 1139.
Fertilizers. Apothecaries Hall Company. No. 123,314; Oct. 29; v. 255; p. 1049.
Fertilizers. J. J. D. Main. No. 123,465; Nov. 12; v. 256; p. 448.
Fertilizers. Sobrinos de Ezquiaga. No. 121,705; May 21; v. 250; p. 763.
Fertilizers. V. Volpato. No. 120,050; Jan. 1; v. 246; p. 298.
Files. T. P. Walls Tool & Supply Co. No. 120,807; Mar. 5; v. 248; p. 232.
Filter presses, frames, plates, and parts. Independent Filter Press Co. No. 121,899; June 11; v. 251; p. 458.
Finish and polish for floors, &c. Butcher Polish Company. Nos. 121,587–9; May 14; v. 250; p. 509.
Fire-engines, water-towers, &c. American La France Fire Engine Co. No. 122,769; Sept. 17; v. 254; p. 651.
Fire-extinguishers, Chemical. La Societe D'Organisation, Limited. No. 124,012; Dec. 31; v. 257; p. 1076.
Fireworks. H. J. Pain. No. 120,623; Feb. 19; v. 247; p. 743.
First-aid or emergency cases. D. S. Beyer. No. 121,155; Apr. 16; v. 249; p. 735.
Fish balls, sardines in oil, tomato sauce and bouillon, herrings. A/S Konserv. No. 121,069; Apr. 2; v. 249; p. 232.
Fish, Dried boneless. Gorton-Pew Fisheries Co. No. 123,346; Oct. 29; v. 255; p. 1050.
Fish, meats, fruits, and vegetables, Preserved. The Bowker Company. No. 120,660; Feb. 26; v. 247; p. 961.
Fish, Salt. Rojas, Randall & Co. No. 120,904; Mar. 12; v. 248; p. 497.
Fish, Tinned. E. A. Bowker. No. 120,659; Feb. 26; v. 247; p. 961
Fishing lines, leaders, rods, &c. The Whitney Sporting Goods Company. No. 121,993; June 11; v. 251; p. 461.
Fishing-tackle. The Enterprise Manufacturing Company. Nos. 123,029–31; Oct. 8; v. 255; p. 361.
Flags and banners. Cheney Brothers. No. 123,201; Oct. 22; v. 255; p. 823.
Flannels, Cotton. Appleton Company. No. 120,007; Jan. 1; v. 246; p. 297.
Flavoring essences for food. Pure Food Factory "Hansa." No. 123,643; Nov. 19; v. 256; p. 642.
Flavoring extracts. The William S. Merrell Chemical Company. No. 120,036; Jan. 1; v. 246; p. 298.
Flavoring extracts, Food-. The C. F. Sauer Co. No. 122,286; July 16; v. 252; p. 742.
Flavoring extracts, Food-. Gulf Mfg. Co. No. 121,058; Apr. 2; v. 249; p. 232.
Flavoring extracts, Food- McCormick & Co. No. 123,615; Nov. 19; v. 256; p. 641.
Flavoring extracts for food. Boyce Extract Co. No. 122,010; June 18; v. 251; p. 671.
Flavoring extracts for foods. Lorenz Company. No. 123,255; Oct. 22; v. 255; p. 825.
Flavoring extracts for use in food products. Foote & Jenks. No. 120,858; Mar. 12; v. 248; p. 496.
Flavoring-paste for foods. Blanke Baer Chemical Company. No. 122,773; Sept. 17; v. 254; p. 651.
Flavoring preparation, Food-. Hardenbergh Mfg. Co. No. 120,578; Feb. 19; v. 247; p. 742.
Flavors and extracts for food-flavoring, Lemon. Widlar Co. No. 124,062; Dec. 31; v. 257; p. 1078.
Floor-coverings of the oiled-cloth type. Congoleum Company. No. 123,332; Oct. 29; v. 255; p. 1049.
Floor-coverings, Prepared. The Congoleum Company. No. 122,686; Sept. 10; v. 254; p. 445.
Floor-polish. E. C. McKelvy. No. 122,277; July 16; v. 252; p. 741.
Flour. B. F. Williamson. No. 122,835; Sept. 17; v. 254; p. 653.
Flour, Cake and pastry. Potter & Wrightington. No. 122,988; Oct. 1; v. 255; p. 158.
Flour, Corn-. Chas. A. Krause Milling Co. No. 123,727; Dec. 3; v. 257; p. 188.
Flour, dried beans, peas, and fruit, cornmeal, Wheat-. Compania Commercial Mexicana. No. 122,685; Sept. 10; v. 254; p. 445.
Flour, Gluten-. Potter & Wrightington. No. 123,385; Oct. 29; v. 255; p. 1051.
Flour made from wheat. Warner, Moore & Co. No. 121,570; May 7; v. 250; p. 252.
Flour, pancake-flour mixture, syrup, Buckwheat-. Rust-Parker Company. No. 123,758; Dec. 3; v. 257; p. 189.
Flour, Peanut-. Sea Island Cotton Oil Company. No. 123,652; Nov. 19; v. 256; p. 643.
Flour, Prepared. Skinner Mfg. Co. No. 123,165; Oct. 15; v. 255; p. 607.
Flour, Prepared doughnut-. D. Droker. No. 123,578; Nov. 19; v. 256; p. 640.
Flour, Rye-. Flory Milling Company. No. 120,371; Feb. 5; v. 247; p. 239.
Flour, Self-rising. Advance Mill & Elevator Company. No. 120,310; Feb. 5; v. 247; p. 237.
Flour, Self-rising. Charles Tiedemann Milling Co. No. 122,115; June 25; v. 251; p. 837.
Flour, Self-rising wheat-. Centennial Mill Co. No. 122,065; June 25; v. 251; p. 835.
Flour, Self-rising wheat-. W. H. Mann. No. 122,601; Aug. 27; v. 253; p. 950.
Flour, Self-rising wheat-. Steeleville Milling Company. No. 122,396; July 30; v. 252; p. 1140.
Flour, Soy-bean. A. C. Nickell, Jr. No. 120,879; Mar. 12; v. 248; p. 497.
Flour, Waffle-. Burg Milling Co. No. 121,254; Apr. 23; v. 249; p. 979.
Flour, Wheat-. Atkinson Milling Company. No. 123,967; Dec. 31; v. 257; p. 1075.
Flour, Wheat-. Barber Milling Company. No. 122,299; July 23; v. 252; p. 957.
Flour, Wheat-. The Buhler Mill & Elevator Co. No. 120,827; Mar. 12; v. 248; p. 495.
Flour, Wheat-. Cadick Milling Company. No. 120,830; Mar. 12; v. 248; p. 495.
Flour, Wheat-. Cataract City Milling Co. No. 120,165; Jan. 15; v. 246; p. 819.
Flour, Wheat-. Centennial Mill Company. Nos. 123,978–9; Dec. 31; v. 257; p. 1075.
Flour, Wheat-. Cohn Flour & Feed Co. No. 122,442; Aug. 20; v. 253; p. 742.
Flour, Wheat-. Cohn Flour & Feed Co. No. 122,784; Sept. 17; v. 254; p. 651.
Flour, Wheat-. H. C. Cole Milling Co. No. 120,842; Mar. 12; v. 248; p. 496.
Flour, Wheat-. H. C. Cole Milling Co. No. 121,597; May 14; v. 250; p. 509.
Flour, Wheat-. The Colorado Milling & Elevator Co. No. 120,843; Mar. 12; v. 248; p. 496.
Flour, Wheat-. The Colorado Milling & Elevator Co. No. 121,266; Apr. 23; v. 249; p. 980.
Flour, Wheat-. The Colorado Milling & Elevator Co. No. 122,443; Aug. 20; v. 253; p. 742.
Flour, Wheat-. Colorado Milling & Elevator Company. No. 123,569; Nov. 19; v. 256; p. 640.
Flour, Wheat-. Columbia Milling Co. No. 123,982; Dec. 31; v. 257; p. 1075.
Flour, Wheat-. Columbia River Milling Co. No. 120,349; Feb. 5; v. 247; p. 238.
Flour, Wheat-. Ellis Grove Milling Company. No. 121,421; Apr. 30; v. 249; p. 1218.
Flour, Wheat-. L. Gross. No. 121,289; Apr. 23; v. 249; p. 980.
Flour, Wheat-. L. Gross. No. 122,209; July 9; v. 252; p. 500.
Flour, Wheat-. F. H. Hartman. No. 121,618; May 14; v. 250; p. 510.
Flour, Wheat-. Holland-O'Neal Milling Company. No. 123,598; Nov. 19; v. 256; p. 641.

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Flour, Wheat-. The Holley Milling Company. Nos. 122,795–6; Sept. 17; v. 254; p. 652.
Flour, Wheat-. The Holly Milling Company No. 123,352; Oct. 29; v. 255; p. 1050.
Flour, Wheat-. Jameson, Hevener Co. No. 121,718; May 21; v. 250; p. 764.
Flour, Wheat-. The Kansas Flour Mills Company. No. 122,644; Sept. 3; v. 254; p. 221.
Flour, Wheat-. Kehlor Flour Mills Co. No. 123,135; Oct. 15; v. 255; p. 606.
Flour, Wheat-. R. E. Kidder. No. 120,679; Feb. 26; v. 247; p. 961.
Flour, Wheat-. J. F. Lennon. No. 122,506; Aug. 20; v. 253; p. 743.
Flour, Wheat-. J. D. Manor & Co. No. 121,796; May 28; v. 250; p. 994.
Flour, Wheat-. The Midland Milling Company. No. 120,278; Jan. 29; v. 246; p. 1200.
Flour, Wheat-. Midland Milling Company. No. 121,133; Apr. 9; v. 249; p. 503.
Flour, Wheat-. The New Century Company. No. 121,321; Apr. 23; v. 249; p. 981.
Flour, Wheat-. North Manchester Milling Co. No. 121,645; May 14; v. 250; p. 511.
Flour, Wheat-. Oklahoma City Mill & Elevator Co. No. 122,389; July 30; v. 252; p. 1139.
Flour, Wheat-. Omaha Flour Mills Co. No. 123,380; Oct. 29; v. 255; p. 1051.
Flour, Wheat-. The Rea-Patterson Milling Company. No. 122,397; July 30; v. 252; p. 1140.
Flour, Wheat-. The Red Star Milling Company. No. 122,612; Aug. 27; v. 253; p. 950.
Flour, Wheat-. C. C. Replogle. No. 123,564; Nov. 19; v. 256; p. 640.
Flour, Wheat-. Rey & Co. No. 123,159; Oct. 15; v. 255; p. 607.
Flour, Wheat-. Russell-Miller Milling Co. No. 121,145; Apr. 9; v. 249; p. 503.
Flour, Wheat-. H. C. Schwall. No. 120,437; Feb. 5; v. 247; p. 241.
Flour, Wheat-. A. C. Smith. No. 122,825; Sept. 17; v. 254; p. 653.
Flour, Wheat-. Sperry Flour Company. No. 121,734; May 21; v. 250; p. 764.
Flour, Wheat-. Sprague Roller Mills. No. 123,167; Oct. 15; v. 255; p. 607.
Flour, Wheat-. W. P. Tanner-Gross and Company. No. 122,046; June 18; v. 251; p. 672.
Flour, Wheat-. W. P. Tanner-Gross & Company. No. 124,055; Dec. 31; v. 257; p. 1078.
Flour, Wheat-. J. J. Turney. No. 123,072; Oct. 8; v. 255; p. 363.
Flour, Wheat-. The Unity Mills. No. 121,364; Apr. 23; v. 249; p. 983.
Flour, Wheat-. The Waterloo and Cedar Falls Union Mill Company. No. 123,672; Nov. 19; v. 256; p. 643.
Flour, Wheat-. The William Lea & Sons Company. No. 122,765; Sept. 10; v. 254; p. 448.
Flour, Wheat and rye. The Hecker-Jones-Jewell Milling Company. No. 122,473; Aug. 20; v. 253; p. 742.
Flour, Wheat biscuit-. Ravalli Cereal & Flour Mill Company. No. 122,041; June 18; v. 251; p. 672.
Flour, White corn-. American Hominy Company. No. 122,563; Aug. 27; v. 253; p. 949.
Flour, Winter-wheat. John P. Dousman Milling Co. No. 120,724; Mar. 5; v. 248; p. 229.
Flours. Aunt Jemima Mills Company. Nos. 120,159–60; Jan. 15; v. 246; p. 819.
Flours and breakfast foods, Certain named. The Fredman Milling & Manufacturing Co. No. 122,963; Oct. 1; v. 255; p. 157.
Flours, Graham flour, Whole-wheat and rye. Clarx Milling Company. No. 120,953; Mar. 19; v. 248; p. 763.
Flours, Wheat, &c. Community Marvel Millers' Association. No. 120,170; Jan. 15; v. 246; p. 819.
Flours, Wheat, rye, self-rising, and prepared. The Southwestern Milling Co. No. 120,644; Feb. 19; v. 247; p. 744.
Fly-killers. United States Wire-Mat Company. Nos. 120,531–3; Feb. 12; v. 247; p. 477.
Foods, Baby. S. Bottineau. No. 123,541; Nov. 19; v. 256; p. 639.
Food, Balanced. Cereo Company. No. 122,066; June 25; v. 251; p. 835.
Food, Breakfast wheat. E. Davis. No. 121,414; Apr. 30; v. 249; p. 1218.
Food, Desiccated. Fairchild Bros. & Foster. No. 121,708; May 21; v. 250; p. 763.
Food extract, Vegetable. Altonaer Margarine-Werke Mohr & Co. G. m. b. H. No. 122,253; July 16; v. 252; p. 741.
Food for animals and poultry, Prepared. W. E. Henry. No. 120,579; Feb. 17; v. 247; p. 742.
Food for horses and other live stock. D. E. Hamlin. No. 121,293; Apr. 23; v. 249; p. 980.
Food in the form of bread, Balanced. F. O. Marquis. No. 121,920; June 11; v. 251; p. 459.
Food, popcorn, citron, &c., peels, Cereal breakfast. The Morey Mercantile Company. No. 122,514; Aug. 20; v. 253; p. 744.
Food, Poultry and stock. Fish Canners' By-Products Company. No. 122,019; June 18; v. 251; p. 671.
Food preparation of certain named ingredients. Jacob House & Sons. No. 121,715; May 21; v. 250; p. 763.
Food, Prepared. Skinner Mfg. Co. No. 122,348; July 23; v. 252; p. 958.
Food, Prepared powdered milk. Paganini, Villani & C. No. 123,381; Oct. 29; v. 255; p. 1051.
Food product, Certain named. G. Lachinian. No. 121,072; Apr. 2; v. 249; p. 232.
Food product of certain named ingredients. Fairchild Bros. & Foster. No. 121,707; May 21; v. 250; p. 763.
Food product, Special. The Fruited Cereal Company. No. 121,285; Apr. 23; v. 249; p. 980.
Food products—viz., jamalade and creamed chicken. Purity Cross, Inc. No. 120,041; Jan. 1; v. 246; p. 298.
Food, Vitiminic product for addition to. G. S. Crawford. No. 120,172; Jan. 15; v. 246; p. 819.
Food-warmers, night and nursery candle-lamps. Price's Patent Candle Company. No. 122,907; Sept. 24; v. 254; p. 863.
Foods, Certain named. Abraham & Straus. No. 122,664; Sept. 10; v. 254; p. 445.
Foods, Certain named. Acme-Evans Company. No. 123,525; Nov. 19; v. 256; p. 639.
Foods, Certain named. The Albert Dickinson Company. No. 122,447; Aug. 20; v. 253; p. 742.
Foods, Certain named. Amaessa Products Co. No. 123,683; Dec. 3; v. 257; p. 187.
Foods, Certain named. E. Baxt. No. 122,301; July 23; v. 252; p. 957.
Foods, Certain named. Batchelor Flour Mill Co. No. 122,406; Aug. 13; v. 253; p. 509.
Foods, Certain named. Bisceglia Bros. No. 122,424; Aug. 20; v. 253; p. 741.
Foods, Certain named. Blatchford's Calf Meal Factory. No. 120,328; Feb. 5; v. 247; p. 237.
Foods, Certain named. Blatchford's Calf Meal Factory. No. 121,857; June 11; v. 251; p. 457.
Foods, Certain named. Burlington Vinegar & Pickle Works. No. 121,121; Apr. 9; v. 249; p. 503.
Foods, Certain named. California Packing Corporation. No. 120,014; Jan. 1; v. 246; p. 297.
Foods, Certain named. W. A. Caverley. No. 122,637; Sept. 3; v. 254; p. 221.
Foods, Certain named. H. P. Coffee Company. No. 120,383; Feb. 5; v. 247; p. 239.
Foods, Certain named. Collins Canning Co. No. 123,568; Nov. 19; v. 256; p. 640.
Foods, Certain named. Cresca Company. No. 121,704; May 21; v. 250; p. 763.
Foods, Certain named. The Cudahy Packing Company. No. 122,069; June 25; v. 251; p. 835.
Foods, Certain named. The Cullen Brokerage Co. No. 122,308; July 23; v. 252; p. 957.
Foods, Certain named. Fort Dodge Grocery Co. No. 122,456; Aug. 20; v. 253; p. 742.
Foods, Certain named. Friedrich & Kempe Co. No. 122,020; June 18; v. 251; p. 671.
Foods, Certain named. Groceteria Stores Company. No. 123,349; Oct. 29; v. 255; p. 1050.
Foods, Certain named. Haskell, Adams Co. No. 122,641; Sept. 3; v. 254; p. 221.
Foods, Certain named. The Hotaling-Warner Co. No. 120,745; Mar. 5; v. 248; p. 230.
Foods, Certain named. Howard & Casey Co. No. 120,580; Feb. 19; v. 247; p. 742.
Foods, Certain named. Lake Winola Products Company. No. 121,630; May 14; v. 250; p. 510.
Foods, Certain named. Manteca Canning Co. No. 120,985; Mar. 19; v. 248; p. 764.
Foods, Certain named. Manteca Canning Co. Nos. 120,886–7; Mar. 12; v. 248; p. 497.
Foods, Certain named. Marston & Martin. No. 121,782; May 28; v. 250; p. 994.
Foods, Certain named. The Marwin Food Company. No. 123,367; Oct. 29; v. 255; p. 1050.
Foods, Certain named. The Morey Mercantile Company. No. 121,473; Apr. 30; v. 249; p. 1219.
Foods, Certain named. Morris & Company. No. 120,990; Mar. 19; v. 248; p. 765.
Foods, Certain named. Oneida Community. No. 120,775; Mar. 5; v. 248; p. 231.
Foods, Certain named. Paxton Canning Co. No. 122,652; Sept. 3; v. 254; p. 221.
Foods, Certain named. A. H. Perfect & Co. No. 121,139; Apr. 9; v. 249; p. 503.
Foods, Certain named. The Perkins-Epeneter Pickle Co. No. 120,285; Jan. 29; v. 246; p. 1200.
Foods, Certain named. O. R. Pieper. No. 120,689; Feb. 26; v. 247; p. 962.
Foods, Certain named. Planter's Nut & Chocolate Company. No. 123,641; Nov. 19; v. 256; p. 642.
Foods, Certain named. F. Pyle. No. 121,333; Apr. 23; v. 249; p. 982.
Foods, Certain named. The Rheinstrom Brothers Company. No. 121,143; Apr. 9; v. 249; p. 503.
Foods, Certain named. Richardson Corporation. No. 123,160; Oct. 15; v. 255; p. 607.
Foods, Certain named. The Rowe-Fawcett Company. No. 122,532; Aug. 20; v. 253; p. 744.
Foods, Certain named. Schnull and Company. No. 121,342; Apr. 23; v. 249; p. 982.

Foods, Certain named. Seattle Grocery Co. No. 121,955; June 11; v. 251; p. 460.
Foods, Certain named. Smith & Horton Co. No. 121,666; May 14; v. 250; p. 512.
Foods, Certain named. Sussman, Wormser & Co. No. 121,735; May 21; v. 250; p. 764.
Foods, Certain named. The Tebbetts and Garland Store. No. 120,453; Feb. 5; v. 247; p. 241.
Foods, Certain named. Union Pacific Tea Company. No. 122,355; July 23; v. 252; p. 958.
Foods, Certain named. Western Grocer Company. No. 121,679; May 14; v. 250; p. 512.
Foods, Certain named. G. H. Wetterau & Sons Grocer Co. No. 121,229; Apr. 16; v. 249; p. 737.
Foods, Certain named. O. G. Whelan. No. 123,676; Nov. 19; v. 256; p. 643.
Foods, Farinaceous. P. E. Hurst. No. 123,130; Oct. 15; v. 255; p. 606.
Foods for animals and poultry. G. E. Clarke. No. 120,952; Mar. 19; v. 248; p. 763.
Footwear, Canvas-uppered rubber-soled. The Top Notch Company. No. 120,231; Jan. 15; v. 246; p. 821.
Forgings and castings, Steel and iron. T. W. Allison. No. 123,529; Nov. 19; v. 256; p. 639.
Forks, spoons, cheese-scoops, &c. Landers, Frary & Clark. No. 120,753; Mar. 5; v. 248; p. 230.
Friction-coupling for machinery. Hurley Machine Company. No. 123,129; Oct. 15; v. 255; p. 606.
Friction-tape for insulation purposes. Western Electric Company. No. 122,360; July 23; v. 252; p. 959.
Frocks, Misses' and women's. The Kreeger Store. No. 123,607; Nov. 19; v. 256; p. 641.
Frocks, Women's. The Kreeger Store. No. 123,608; Nov. 19; v. 256; p. 641.
Fruit-juice extractors. Swiss Manufacturing Company. No. 121,967; June 11; v. 252; p. 460.
Fruit-juices, Preserved. Barriga, Samper & Cia. No. 122,771; Sept. 17; v. 254; p. 651.
Fruit spread, Citrus-. The Thomas Advertising Service. No. 121,354; Apr. 23; v. 249; p. 982.
Fruit syrups, flavors and colors for making soft drinks. Crescent City Carbonate Company. No. 121,600; May 14; v. 250; p. 509.
Fruits and fresh vegetables, Citrus. The Lakeland Company. Nos. 121,307–8; Apr. 23; v. 249; p. 981.
Fruits, Certain named fresh. Earl Fruit Company. No. 122,269; July 16; v. 252; p. 741.
Fruits, Dried. California Associated Raisin Co. No. 121,400; Apr. 30; v. 249; p. 1217.
Fruits, Dried. California Packing Corporation. No. 122,953; Oct. 2; v. 255; p. 157.
Fruits, Dried. A. Van Siclen. No. 121,676; May 14; v. 250; p. 512.
Fruits, Dried. A. Van Siclen. No. 121,688; May 14; v. 250; p. 512.
Fruits, Fresh citrus. Golden West Citrus Association. Nos. 123,708–10; Dec. 3; v. 257; p. 187.
Fruits, Fresh citrus. San Joaquin Fruit Co. Nos. 122,821–3; Sept. 17; v. 254; p. 652.
Fruits, Fresh citrus. San Joaquin Fruit Co. No. 123,063; Oct. 8; v. 255; p. 362.
Fruits, Fresh citrus. Winter Park Citrus Growers Association. No. 122,050; June 18; v. 251; p. 672.
Fruits, including citrus fruits, and vegetables, Fresh. B. Crafton. No. 121,702; May 21; v. 250; p. 763.
Fuel intensifier and decarbonizer. W. P. Barnes. No. 121,237; Apr. 23; v. 249; p. 979.
Fuel, Prepared. S. M. J. Jacobs. No. 120,871; Mar. 12; v. 248; p. 496.
Fuel similar to gasolene or kerosene. F. C. Roegge. No. 123,649; Nov. 19; v. 256; p. 642.
Fuel similar to gasolene or kerosene, Hydrocarbon. F. C. Roegge. No. 122,615; Aug. 27; v. 253; p. 950.
Fuel vaporizers, Liquid-. The Gasorator Co. No. 120,186; Jan. 15; v. 246; p. 820.
Fuels for internal-combustion engines and motors, Liquid-. True's Oil Company. No. 121,974; June 11; v. 251; p. 461.
Fur coats, caps, muffs, neck-pieces, gloves. Herman Basch & Co. No. 122,568; Aug. 27; v. 253; p. 949.
Fur, Imitation. The Hind & Harrison Plush Co. Nos. 120,493–4; Feb. 12; v. 247; p. 475.
Furs. Lowell Lamb Company. No. 121,793; May 28; v. 250; p. 994.
Furnaces. The Huron Furnace Company. No. 121,780; May 28; v. 250; p. 994.
Furnaces. Kansas City Furnace Company. No. 123,824; Dec. 10; v. 257; p. 404.
Furnaces and parts thereof, Electric. Electric Heating Apparatus Co. No. 120,364; Feb. 5; v. 247; p. 238.
Furnaces, burners for same, &c., Industrial. W. S. Rockwell Company. No. 120,222; Jan. 15; v. 246; p. 821.
Furnaces, Heating-. Sill Stove Works. No. 120,908; Mar. 12; v. 248; p. 497.
Furniture. Deltox Grass Rug Company. No. 120,174; Jan. 15; v. 246; p. 819.
Furniture and upholstery, Certain named. The Marietta Mfg. Co. No. 121,197; Apr. 16; v. 249; p. 736.
Furniture and upholstery, Certain named. The Urbana Furniture Company. No. 123,176; Oct. 15; v. 255; p. 608.
Furniture, Certain named. Kobler & Miller Company. No. 120,267; Jan. 29; v. 246; p. 1200.
Furniture, Certain named. The Long Furniture Company. No. 122,221; July 9; v. 252; p. 500.
Furniture, Certain named. Multikraft Incorporated. No. 120,511; Feb. 12; v. 247; p. 476.
Furniture, floor, automobile-body, &c., polishing and cleaning compound. A. Weber. No. 121,367; Apr. 23; v. 249; p. 983.
Furniture for certain named purposes. Lyon Metallic Manufacturing Company. No. 123,614; Nov. 19; v. 256; p. 641.
Furniture-polish. D. W. Allen. No. 122,297; July 23; v. 252; p. 957.
Furniture-polish. A. Schumann. No. 123,654; Nov. 19; v. 256; p. 643.
Furniture-polish and finish-renewer. Wilson Chemical Company. No. 121,379; Apr. 23; v. 249; p. 983.
Furniture-polish, Liquid. Rom-baw Chemical Co. No. 121,008; Mar. 19; v. 248; p. 765.
Fuses, fuse plugs, elements, wire, &c, Electric. Multi Refillable Fuse Company. No. 122,806; Sept. 17; v. 254; p. 652.
Gage-poles. Titusville Elastic Chair Company. No. 124,056; Dec. 31; v. 257; p. 1078.
Galvanized, black, and corrugated-metal sheets, tin-plate. W. F. Hall. No. 121,615; May 14; v. 250; p. 510.
Game-boards. C. J. Heylmann. No. 123,039; Oct. 8; v. 255; p. 362.
Game-boards. D. Sullivan. No. 123,067; Oct. 8; v. 255; p. 363.
Game-boards and pieces to be used therewith. J. W. Baker. No. 121,152; Apr. 16; v. 249; p. 735.
Game-boards and pieces to be used therewith. J. W. Baker. No. 121,580; May 14; v. 250; p. 509.
Game, Card. Coppedge Specialty Company. No. 120,959; Mar. 19; v. 248; p. 764.
Game, Card. C. F. Pond. No. 122,739; Sept. 10; v. 254; p. 447.
Game, Card. W. N. Vaile. No. 123,768; Dec. 3; v. 257; p. 189.
Games. The Weinthrop Company. No. 122,359; July 23; v. 252; p. 959.
Games and outfits of toy soldiers and pistols. Milton Bradley Co. No. 121,540; May 7; v. 250; p. 251.
Games and toys. Multikraft Incorporated. No. 121,199; Apr. 16; v. 249; p. 736.
Games and toys, Certain named. Multikraft Incorporated. No. 123,055; Oct. 8; v. 255; p. 362.
Games, Board. M. B. de Nazaris. No. 122,518; Aug. 20; v. 253; p. 744.
Games, Board and counter. Essanar Company. Nos. 123,032–3; Oct. 8; v. 255; p. 361.
Games, Card. R. W. Brown. No. 121,542; May 7; v. 250; p. 251.
Games, Card. Milton Bradley Co. No. 122,303; July 23; v. 252; p. 957.
Games, Card. Parker Brothers. No. 121,204; Apr. 16; v. 249; p. 736.
Games, Certain named. Frisbie Manufacturing Company. No. 123,705; Dec. 3; v. 257; p. 187.
Games, Table board. Milton Bradley Co. No. 122,726; Sept. 10; v. 254; p. 447.
Games, toys and sporting goods, Certain named. The Embossing Company. No. 123,435; Nov. 12; v. 256; p. 447.
Games, toys, and sporting goods, Certain named. William Read & Sons. No. 121,567; May 7; v. 250; p. 252.
Games, toys, and sporting goods made of compounds of pyroxylin. The Celluloid Company. No. 123,019; Oct. 8; v. 255; p. 361.
Gargle. E. C. Reick. No. 123,647; Nov. 19; v. 256; p. 642.
Garment for women's and children's wear, Trousered. A. D. Edwards & Son. No. 120,021; Jan. 1; v. 246; p. 297.
Garment-pressing machines. The American Laundry Machinery Company. No. 120,540; Feb. 19; v. 247; p. 741.
Garments, Certain named ladies' and children's. The Denninger Garment Manufacturing Company. No. 122,197; July 9; v. 252; p. 499.
Garments for boys and young men, Outer. Sheahan, Kohn & Co. No. 120,906; Mar. 12; v. 248; p. 497.
Garments, Ladies' and misses' outer. R. J. Hickson. No. 123,237; Oct. 22; v. 255; p. 824.
Garments, Women's and girls' bifurcated outer. W. Shanhouse & Sons. No. 121,014; Mar. 19; v. 248; p. 765.
Garters, Men's. Crescent Garter Company. No. 121,761; May 28; v. 250; p. 993.
Gas-administering machine. The Heidbrink Company. No. 123,715; Dec. 3; v. 257; p. 188.
Gas, Apparatus for producing a certain named. W. D. Deppé. No. 120,358; Feb. 5; v. 247; p. 238.
Gas burners and oil burners. Flanagan Company. No. 121,050; Apr. 2; v. 249; p. 231.
Gas-burning apparatus. Maxon Premix Burner Company. No. 123,258; Oct. 22; v. 255; p. 825.
Gas-mantles. The Deis-Fertig Co. No. 122,859; Sept. 24; v. 254; p. 861.
Gasolene. Oriental Oil Company. No. 121,647; May 14; v. 250; p. 511.

Gasolene. Petroleum Products Co. No. 123,640; Nov. 19; v. 256; p. 642.
Gasolene. Sapulpa Refining Company. No. 120,434; Feb. 5; v. 247; p. 240.
Gasolene. Wadhams Oil Company. No. 122,831; Sept. 17; v. 254; p. 653.
Gasolene. Western Oil Refining Co. No. 122,247; July 9; v. 252; p. 501.
Gasolene. Western Oil Refining Company. No. 122,834; Sept. 17; v. 254; p. 653.
Gasolene-enriching compound. C. M. Arney. No. 122,670; Sept. 10; v. 254; p. 445.
Gasolene, kerosene, and lubricating-oil. Montana Oil Co. No. 121,922; June 11; v. 251; p. 459.
Gasolene refined from crude oil or petroleum. The Western Refining Co. No. 121,738; May 21; v. 250; p. 764.
Gear-wheels and gear transmissions. Maag Gear Company. No. 120,983; Mar. 19; v. 248; p. 764.
Germ-destroyer, deodorizer, and disinfectant. W. G. Northup. No. 123,477; Nov. 12; v. 256; p. 449.
Germ-destroying liquid, Antiseptic. D. K. Lesh. No. 123,461; Nov. 12; v. 256; p. 448.
Gin, Dry. Renken & Yates Smith. No. 121,337; Apr. 23; v. 249; p. 982.
Gins, Dry and Old Tom. The Gordon's Dry Gin Company. No. 120,024; Jan. 1; v. 246; p. 297.
Ginger-ale. The Geo. A. Bohrer Brewing Co. No. 121,693; May 21; v. 250; p. 763.
Ginger-ale and carbonated non-alcoholic beverages and syrups for making same. F. J. Kimbrough. No. 121,067; Apr. 2; v. 249; p. 232.
Ginger-ale and sarsaparilla. Sheboygan Mineral Water Co. No. 121,212; Apr. 16; v. 249; p. 737.
Ginger-ale, grape-juice, &c. Albany Coca-Cola Bottling Company. No. 121,741; May 28; v. 250; p. 993.
Ginghams. Amoskeag Manufacturing Company. No. 121,746; May 28; v. 250; p. 993.
Ginghams, shirtings, and cotton flannel. Appleton Company. No. 122,667; Sept. 10; v. 254; p. 445.
Glasses, Gage-. Strong Machy. & Supply Co. No. 123,291; Oct. 22; v. 255; p. 826.
Gloves. R. H. Macy & Co. No. 120,032; Jan. 1; v. 246; p. 297.
Gloves. Western Canvas Glove Mfg. Co. No. 121,528; Apr. 30; v. 249; p. 1221.
Gloves and hosiery, Fabric. Julius Kayser & Co. No. 124,005; Dec. 31; v. 257; p. 1076.
Gloves, Fabric. Crown Glove Company. No. 123,210; Oct. 22; v. 255; p. 823.
Gloves, Fabric. Elite Glove Co. No. 122,583; Aug. 27; v. 253; p. 949.
Gloves, Leather. California Glove Company. No. 121,401; Apr. 30; v. 249; p. 1217.
Gloves, Leather. Daniel Hays Company. No. 123,236; Oct. 22; v. 255; p. 824.
Gloves, Leather and fabric. Anker Glove Co. No. 123,532; Nov. 19; v. 256; p. 639.
Gloves, mitts, hand and arm coverings, hosiery, Fabric. W. W. Chace. No. 120,478; Feb. 12; v. 247; p. 475.
Gloves, Polishing-. H. G. Saal Company. No. 121,209; Apr. 16; v. 249; p. 736.
Glue. Wilson & Co. No. 123,506; Nov. 12; v. 256; p. 450.
Glue, Liquid. The Improved Liquid Glues Co. No. 122,323; July 23; v. 252; p. 957.
Glue material, Starch-. Perkins Glue Company. No. 122,338; July 23; v. 252; p. 958.
Goggles. Merry Optical Company. No. 122,522; Aug. 20; v. 253; p. 744.
Goggles for aviators. F. A. Hardy & Company. No. 120,741; Mar. 5; v. 248; p. 230.
Golf-balls. North British Rubber Company. No. 123,476; Nov. 12; v. 256; p. 449.
Golf-balls. Radium Golf Ball Co. No. 120,523; Feb. 12; v. 247; p. 476.
Golf-balls. Wright & Ditson. No. 123,512; Nov. 12; v. 256; p. 450.
Gowns and dresses, Women's and misses'. A. Heimlich. No. 120,389; Feb. 5; v. 247; p. 239.
Grain used in the preparation of a food beverage, Germinated. B. Leibbrandt. No. 121,309; Apr. 23; v. 249; p. 981.
Grape-juice. Renken & Yates Smith. No. 122,614; Aug. 27; v. 252; p. 950.
Grapes, Fresh. The California Fruit Exchange. No. 122,063; June 25; v. 251; p. 835.
Grapes, Fresh. California Fruit Exchange. No. 122,433; Aug. 20; v. 253; p. 741.
Grease adapted to swab drop-forging dies. Swan & Finch Co. No. 120,797; Mar. 5; v. 248; p. 232.
Grease-cups. Copeman Laboratories. No. 123,570; Nov. 19; v. 256; p. 640.
Grease, hard oils or cup-grease, and lubricating-oils, Axle-. Iowa Oil Co. No. 120,750; Mar. 5; v. 248; p. 230.
Grease, Heavy lubricating-. Oriental Oil Company. No. 122,520; Aug. 20; v. 253; p. 744.
Grease, Lubricating-. Oriental Oil Company. No. 121,937; June 11; v. 251; p. 459.
Grease, Lubricating-. Swan & Finch Co. Nos. 120,798–9; Mar. 5; v. 248; p. 232.
Grease, Lubricating-. Viscosity Oil Company. No. 124,061; Dec. 31; v. 257; p. 1078.
Grease put up in the form of cartridges. Copeman Laboratories. No. 123,571; Nov. 19; v. 256; p. 640.
Greases for tanning leather. The Haley-Hammond Co. No. 123,350; Oct. 29; v. 255; p. 1050.
Greases used for tanning leather. The Haley-Hammond Co. No. 122,701; Sept. 10; v. 254; p. 446.
Gromets. Wm. A. Young Gasket Co. No. 123,681; Nov. 19; v. 256; p. 643.
Gum, Chewing. Adams Bros. No. 122,943; Oct. 1; v. 255; p. 157.
Gum, Chewing-. Chic-Mint Gum Company. No. 123,561; Nov. 19; v. 256; p. 640.
Gum, Chewing-. Shelby Supply & Manufacturing Company. No. 120,439; Feb. 5; v. 247; p. 241.
Gum, Chewing-. Short's Florient Gum Co. No. 123,656; Nov. 19; v. 256; p. 643.
Gum, Chewing-. Suffragette Laboratories Co. No. 121,351; Apr. 23; v. 249; p. 982.
Gum used as a constituent of ice-cream, Vegetable. Talbot Manufacturing Co. No. 121,835; May 28; v. 250; p. 995.
Gypsum, Calcined. United States Gypsum Company. No. 121,148; Apr. 9; v. 249; p. 503.
Hacksaw-blades. Henry G. Thompson & Son Co. No. 123,663; Nov. 19; v. 256; p. 643.
Hacksaws. West Haven Mfg. Co. No. 123,304; Oct. 22; v. 255; p. 826.
Hacksaws, coping, butchers', &c., saws. Victor Saw Works. No. 121,981; June 11; v. 251; p. 461.
Hair and scalp preparation. Madame M. Brooks. No. 121,156; Apr. 16; v. 249; p. 735.
Hair, clothes, and hat brush. Paraloid Works. No. 123,481; Nov. 12; v. 256; p. 449.
Hair-color restorative. Edlow Chemical Company. No. 122,868; Sept. 24; v. 254; p. 862.
Hair-coloring. Hyman & Oppenheim. No. 123,942; Dec. 24; v. 257; p. 813.
Hair, Composition of matter for removing superfluous. R. L. Kingstone. No. 121,628; May 14; v. 250; p. 510.
Hair-curlers. The Rieser Co. No. 121,001; Mar. 19; v. 248; p. 765.
Hair-dressing. C. C. Hay. No. 120,100; Jan. 8; v. 246; p. 564.
Hair-dressing. A. Klein. No. 123,452; Nov. 12; v. 256; p. 448.
Hair-dressing and color-restorer. S. Dominguez. No. 122,742; Sept. 10; v. 254; p. 447.
Hair-dressing coloring. J. J. Wittwer, Sr. No. 121,996; June 11; v. 251; p. 461.
Hair-dye. P. F. Deford. No. 121,270; Apr. 23; v. 249; p. 980.
Hair-dye. Never-Tel Laboratories Company. No. 122,096; June 25; v. 251; p. 836.
Hair-grower. Madam N. Bond. No. 122,126; July 2; v. 252; p. 241.
Hair-grower. Roselean Manufacturing Company. No. 123,953; Dec. 24; v. 257; p. 813.
Hair-nets. China Coast Mercantile Co. No. 120,840; Mar. 12; v. 248; p. 495.
Hair-nets. N. B. Cohen. No. 120,479; Feb. 12; v. 247; p. 475.
Hair-nets. B. Frankenfelder. No. 120,657; Feb. 26; v. 247; p. 961.
Hair-nets. G. Klemperer. No. 120,502; Feb. 12; v. 247; p. 476.
Hair-nets. H. B. Lederer. No. 121,460; Apr. 30; v. 249; p. 1219.
Hair-nets. E. T. Mittelstaedt. Nos. 121,802–4; May 28; v. 250; pp. 994–5.
Hair-nets. E. T. Mittelstaedt. No. 121,807; May 28; v. 250; p. 995.
Hair-nets. E. T. Mittelstaedt. Nos. 122,281–2; July 16; v. 252; p. 742.
Hair-nets. The Rieser Co. No. 120,903; Mar. 12; v. 248; p. 497.
Hair-nets. S. Glemby, Inc. No. 122,698; Sept. 10; v. 254; p. 446.
Hair-nets. R. B. Tower. No. 121,517; Apr. 30; v. 249; p. 1221.
Hair-nets, Ladies'. H. Grossmann. No. 120,492; Feb. 12; v. 247; p. 475.
Hair-nets, Silk. E. T. Mittelstaedt. No. 120,617; Feb. 19; v. 247; p. 743.
Hair-ointment. K. R. Ellis. No. 122,203; July 9; v. 252; p. 500.
Hair-pins. Samstag & Hilder Bros. No. 122,917; Sept. 24; v. 254; p. 863.
Hair-pins. H. P. Smith. No. 123,762; Dec. 3; v. 257; p. 189.
Hair-pins, Shell. Carson, Pirie, Scott & Co. No. 122,188; July 9; v. 252; p. 499.
Hair-pomade. M. L. Lewis. No. 122,384; July 30; v. 252; p. 1139.
Hair preparation. R. White. No. 123,006; Oct. 1; v. 255; p. 159.
Hair preparation and dandruff-remover. R. Woods. No. 123,507; Nov. 12; v. 256; p. 450.
Hair, Preparations for treating the. G. D. Onofrio. No. 123,852; Dec. 10; v. 257; p. 405.
Hair-restorer, also used as a scalp-massage. A. M. Shepard. No. 120,440; Feb. 5; v. 247; p. 241.

Hair-tonic. C. Arnone. No. 120,158; Jan. 15; v. 246; p. 819.
Hair-tonic. G. Cannaliato. No. 123,546; Nov. 19; v. 256; p. 639.
Hair-tonic. Carter's Laboratory Company. No. 123,548; Nov. 19; v. 256; p. 639.
Hair-tonic. E. Deutsch. No. 123,333; Oct. 29; v. 255; p. 1049.
Hair-tonic. A. Krauss. No. 121,306; Apr. 23; v. 249; p. 981.
Hair-tonic. The Madam C. J. Walker Mfg. Co. No. 120,759; Mar. 5; v. 248; p. 231.
Hair-tonic. P. Owens. No. 120,629; Feb. 19; v. 247; p. 743.
Hair-tonic. E. W. Pheiffier. No. 122,342; July 23; v. 252; p. 958.
Hair-tonic. Puri-tis Chemical Co. No. 122,157; July 2; v. 252; p. 242.
Hair-tonic. F. Ad. Richter & Co. No. 121,000; Mar. 19; v. 248; p. 765.
Hair-tonic. J. M. Schinko. No. 122,235; July 9; v. 252; p. 501.
Hair-tonic. A. Sheestack. No. 123,860; Dec. 10; v. 257; p. 405.
Hair tonic and dressing. S. G. Tankins. No. 123,868; Dec. 10; v. 257; p. 406.
Hair-tonic, dandruff curative, &c. L. Lichtman. No. 122,718; Sept. 10; v. 254; p. 446.
Hair-tonic, face-powder, cold, &c., creams, pine-tar shampoo. N. Carola. No. 123,691; Dec. 3; v. 257; p. 187.
Hair-tonics. J. Fernsler. No. 122,962; Oct. 1; v. 255; p. 157.
Hair-tonics. J. Fernsler. No. 123,116; Oct. 15; v. 255; p. 606.
Hair-tonics. J. Fernsler. No. 123,439; Nov. 12; v. 256; p. 448.
Hair-tonics. A. E. Fields. No. 120,367; Feb. 5; v. 247; p. 238.
Ham. The Cleveland Provision Company. No. 120,169; Jan. 15; v. 246; p. 819.
Ham, bacon, and dried beef. The H. H. Meyer Packing Company. No. 120,411; Feb. 5; v. 247; p. 240.
Ham, bacon, shoulder, lard, sausage. W. S. Forbes & Co. No. 121,550; May 7; v. 250; p. 251.
Hams and breakfast-bacon, Cured. R. E. Braddy & Sons. No. 123,193; Oct. 22; v. 255; p. 823.
Hams, bacon, lard, sausage. Louis Pfaelzer & Sons. No. 121,565; May 7; v. 250; p. 252.
Hammers and riveters, rock-drills, Pneumatic. Chicago Pneumatic Tool Co. No. 121,872; June 11; v. 251; p. 458.
Hammers, hatchets, axes, &c. Fayette R. Plumb, Inc. No. 124,042; Dec. 31; v. 257; p. 1077.
Hammers, Pneumatic riveting-. Chicago Pneumatic Tool Company. No. 123,202; Oct. 22; v. 255; p. 823.
Handkerchiefs. L. J. Bronston. No. 123,195; Oct. 22; v. 255; p. 823.
Handkerchiefs. Glendinning, McLeish & Co. No. 123,225; Oct. 22; v. 255; p. 824.
Handkerchiefs. Long Handkerchief Co. No. 120,506; Feb. 12; v. 247; p. 476.
Handkerchiefs. R. H. Macy & Co. No. 121,794; May 28; v. 250; p. 994.
Handkerchiefs. Titus Blatter & Co. No. 121,395; Apr. 30; v. 249; p. 1217.
Hardware and plumbing and steam-fitting supplies, Certain named. Basic Products Corporation. No. 123,538; Nov. 19; v. 256; p. 639.
Hardware and plumbing and steam-fitting supplies, Certain named. Chicago Tube and Iron Company. No. 121,687; May 14; v. 250; p. 512.
Hardware and plumbing and steam-fitting supplies, Certain named. Iowa Gate Co. No. 123,603; Nov. 19; v. 256; p. 641.
Hardware and plumbing and steam-fitting supplies, Certain named. The National Supply Company. No. 120,992; Mar. 19; v. 248; p. 765.
Hardware and plumbing and steam-fitting supplies, Certain named. The Newport Rolling Mill Company. No. 120,995; Mar. 19; v. 248; p. 765.
Hardware and plumbing and steam-fitting supplies, Certain named. W. E. Williams. No. 122,560; Aug. 20; v. 253; p. 745.
Hat-linings. L. S. Bach. No. 121,391; Apr. 30; v. 249; p. 1217.
Hat-linings. The Pullastic Co. of Amer. No. 120,217; Jan. 15; v. 246; p. 821.
Hat-straps. A. Smith, Jr. No. 122,346; July 23; v. 252; p. 958.
Hats. Ferry Hat Manufacturing Company. No. 122,692; Sept. 10; v. 254; p. 446.
Hats. Rosenwald-Wimpfheimer. No. 122,042; June 18; v. 251; p. 672.
Hats and bonnets, Ladies'. Feltenstein & Joffe. No. 120,566; Feb. 19; v. 247; p. 741.
Hats and caps. Rogers Peet Company. No. 121,006; Mar. 19; v. 248; p. 765.
Hats and caps. Waring Hat Mfg. Co. No. 123,299; Oct. 22; v. 255; p. 826.
Hats and caps, Felt, cloth, straw, and silk. Waring Hat Manufacturing Company. No. 123,671; Nov. 19; v. 256; p. 643.
Hats, Fur-felt. No Name Hat Manufacturing Company. No. 122,035; June 18; v. 251; p. 672.
Hats, Ladies'. M. Ekstein. No. 121,767; May 28; v. 250; p. 993.
Hats, Ladies'. E. Uhry. No. 121,519; Apr. 30; v. 249; p. 1221.
Hats, Ladies' and misses'. M. Blumenthal and Company. No. 121,396; Apr. 30; v. 249; p. 1217.
Hats, Men's. Knox Hat Company. No. 124,009; Dec. 31; v. 257; p. 1076.
Hats, Panama. R. Fujita. No. 122,206; July 9; v. 252; p. 500.
Hats, Panama. R. Fujita. No. 122,585; Aug. 27; v. 253; p. 949.
Hats, Straw. The Valentine Hat Company. No. 120,233; Jan. 15; v. 246; p. 821.
Hats, Women's. Consolidated Millinery Company. Nos. 120,956–8; Mar. 19; v. 248; pp. 763–4.
Hats, Women's. M. Kutz Company. No. 123,252; Oct. 22; v. 255; p. 825.
Hats, Women's. C. Levy. No. 121,792; May 28; v. 250; p. 994.
Hay-lifting machines. A. M. Hanson. No. 122,142; July 2; v. 252; p. 241.
Headlight cover-glasses, Vehicle-. Corning Glass Works. No. 121,164; Apr. 16; v. 249; p. 735.
Headlight glare-eliminating devices. Crew Levick Company. No. 121,169; Apr. 16; v. 249; p. 735.
Headlight-lenses. International Lens Company. No. 122,486; Aug. 20; v. 253; p. 743.
Headlight lenses, Motor-vehicle-. G. A. Leeks. No. 122,507; Aug. 20; v. 253; p. 744.
Headlight non-glare devices. J. E. Ryan. No. 123,858; Dec. 10; v. 257; p. 405.
Headlight-screens, Metal. The Omolite Company. No. 122,904; Sept. 24; v. 254; p. 863.
Headwear. B. H. Kaufman. No. 123,605; Nov. 19; v. 256; p. 641.
Heat-refractory tubes, rods, cores, &c. Norton Company. No. 121,323; Apr. 23; v. 249; p. 981.
Heaters for use for therapeutic purposes, Chemical. Pyrene Manufacturing Company. No. 120,522; Feb. 12; v. 247; p. 476.
Heaters for use in place of the hot-water bottle, Chemical. Pyrene Manufacturing Company. No. 120,219; Jan. 15; v. 246; p. 821.
Heel and toe plates. Surety Manufacturing Company. No. 121,353; Apr. 23; v. 249; p. 982.
Heel-fastener plate, Boot and shoe. Stephan Brothers. No. 120,446; Feb. 5; v. 247; p. 241.
Heel-plates. Nozaki Brothers and Co. No. 120,415; Feb. 5; v. 247; p. 240.
Heels and soles, Fibrous. The Acme Rubber Heel & Sole Co. No. 123,526; Nov. 19; v. 256; p. 639.
Heels, soles, and shoes, Wood and leather. B. F. Sturtevant Co. No. 120,297; Jan. 29; v. 246; p. 1201.
Heels, Top lifts for shoe-. I. Henne. No. 122,212; July 9; v. 252; p. 500.
Hemorrhages, Liquids for stopping. E. M. Knorp. No. 121,909; June 11; v. 251; p. 459.
Herb tea, a laxative, Alpine-. N. Stern. No. 120,646; Feb. 19; v. 247; p. 744.
Herring, Cured. Diamond Fish Co. No. 123,334; Oct. 29; v. 255; p. 1049.
Herrings, Salt. Alaska Pacific Herring Co. No. 123,958; Dec. 31; v. 257; p. 1075.
Hide known as cordovan shells, Tanned horse-. J. Leichtman & Son. No. 123,254; Oct. 22; v. 255; p. 825.
Hides and skins, Undressed. Jules Star & Co. No. 123,288; Oct. 22; v. 255; p. 826.
Hides, raw furs, wool, crude rubber. Standard Hide & Fur Co. No. 122,541; Aug. 20; v. 253; p. 745.
Hinges, door-guards, &c. Lawson Mfg. Co. No. 122,150; July 2; v. 252; p. 241.
Hog-cholera medicine. E. W. Sikes. No. 122,238; July 9; v. 252; p. 501.
Hogs and poultry, Live. W. P. Gerst. No. 122,079; June 25; v. 251; p. 835.
Hooks for portières, draperies, &c. H. L. Sweney. No. 122,545; Aug. 20; v. 253; p. 745.
Horns, Electrically-operated signal-. A. N. Pierman. No. 122,156; July 2; v. 252; p. 242.
Horseshoes and horseshoe-calks. The American Steel and Wire Company of New Jersey. No. 120,470; Feb. 12; v. 247; p. 475.
Hose. American La France Fire Engine Co. No. 123,774; Dec. 10; v. 257; p. 403.
Hose, belting, and packing. Geo. B. Carpenter & Co. No. 123,791; Dec. 10; v. 257; p. 403.
Hose, Certain named water and steam. Montgomery Brothers. No. 120,143; Jan. 8; v. 246; p. 565.
Hose, Half-. R. A. Burd. No. 122,012; June 18; v. 251; p. 671.
Hose, Half-. Walton Hosiery Mills. No. 123,669; Nov. 19; v. 256; p. 643.
Hose-nozzles, Fire-department. Elkhart Brass Manufacturing Company. No. 122,869; Sept. 24; v. 254; p. 862.
Hosiery. Brown Durrell Co. No. 120,066; Jan. 8; v. 246; p. 563.
Hosiery. Butler Brothers. No. 121,754; May 28; v. 250; p. 993.

Hosiery. Carson, Pirie, Scott & Co. No. 122,014; June 18; v. 251; p. 671.
Hosiery. Chas. Chipman's Sons Co. No. 120,344; Feb. 5; v. 247; p. 238.
Hosiery. Chipman Knitting Mills. No. 121,406; Apr. 30; v. 249; p. 1217.
Hosiery. Chipman Knitting Mills. No. 121,758; May 28; v. 250; p. 993.
Hosiery. Chipman Knitting Mills. No. 122,682; Sept. 10; v. 254; p. 445.
Hosiery. Daisy Whitehead Knitting Co. No. 123,211; Oct. 22; v. 255; p. 824.
Hosiery. Falls City Mills Co. No. 123,218; Oct. 22; v. 255; p. 824.
Hosiery. E. E. Hogue. No. 122,587; Aug. 27; v. 253; p. 949.
Hosiery. John M. Given, Inc. No. 120,187; Jan. 15; v. 246; p. 820.
Hosiery. Lindeke, Warner & Sons. No. 121,465; Apr. 30; v. 249; p. 1219.
Hosiery. R. H. Macy & Co. No. 120,033; Jan. 1; v. 246; p. 297.
Hosiery. Moorhead Knitting Company. No. 122,224; July 9; v. 252; p. 500.
Hosiery. National Cloak & Suit Co. No. 120,769; Mar. 5; v. 248; p. 231.
Hosiery. Rice & Hutchins. No. 120,632; Feb. 19; v. 247; p. 744.
Hosiery. Rice-Stix Dry Goods Co. No. 123,857; Dec. 10; v. 257; p. 405.
Hosiery. Richmond Hosiery Mills. No. 123,648; Nov. 19; v. 256; p. 642.
Hosiery. Ritter Hosiery Company. No. 121,002; Mar. 19; v. 248; p. 765.
Hosiery. Society Maid Hosiery Co. Inc. No. 122,044; June 18; v. 251; p. 672.
Hosiery. E. M. Townsend Co. No. 123,765; Dec. 3; v. 257; p. 189.
Hosiery. J. P. Voorhees. No. 123,870; Dec. 10; v. 257; p. 406.
Hosiery J. Wylie. No. 122,768; Sept. 10; v. 254; p. 448.
Hosiery, Children's. John M. Given, Inc. No. 123,993; Dec. 31; v. 257; p. 1076.
Hosiery, fabric gloves, mitts, hand and arm coverings. W. W. Chace. No. 120,342; Feb. 5; v. 247; p. 238.
Hosiery, Ladies'. D. Whitehead K't'g Co. No. 122,581; Aug. 27; v. 253; p. 949.
Hot-water bottles, fountain and combination syringes. The De Pree Chemical Company. No. 121,048; Apr. 2; v. 249; p. 231.
House-furnishing woodenware and cabinet-work, Certain named. J. Chas. Teepe, Inc. No. 122,244; July 9; v. 252; p. 501.
Houses, cottages, garages, &c., Portable. Harris Brothers Company. No. 122,967; Oct. 1; v. 255; p. 157.
Houses, Portable. R. I. Johns. No. 122,976; Oct. 1; v. 255; p. 158.
Houses, Portable. R. I. Johns. No. 123,823; Dec. 10; v. 257; p. 404.
Hydrocarbon-strengthening composition. D. J. Nysewander. No. 123,947; Dec. 24; v. 257; p. 813.
Hydrogen-peroxid solution. Merck & Co. No. 120,142; Jan. 8; v. 246; p. 565.
Ice-cream. W. B. Fink. No. 121,428; Apr. 30; v. 249; p. 1218.
Ice-cream. Chapin-Sacks Manufacturing Company. No. 122,133; July 2; v. 252; p. 241.
Ice-cream. Chapin-Sacks Manufacturing Company. No. 122,577; Aug. 27; v. 253; p. 949.
Ice-cream. Chapin-Sacks Manufacturing Company. No. 123,980; Dec. 31; v. 257; p. 1075.
Ice-cream. L. A. Corning. No. 121,546; May 7; v. 250; p. 251.
Ice-cream. P. Nelson. No. 122,605; Aug. 27; v. 253; p. 950.
Ice-cream. Palmetto Ice Cream Company. No. 124,037; Dec. 31; v. 257; p. 1077.
Ice-cream cones. Consolidated Wafer Company. No. 120,553; Feb. 19; v. 247; p. 741.
Ice-cream cones. L. Dounis & Co. No. 123,987; Dec. 31; v. 257; p. 1076.
Ice-cream cones. Eagle Manufacturing Co. No. 120,854; Mar. 12; v. 248; p. 496.
Ice-cream powder. H. Kohnstamm & Co. No. 120,872; Mar. 12; v. 248; p. 496.
Ice-making machine and refrigerators. E. Landauer. No. 122,716. Sept. 10; v. 254; p. 446.
Ignition-coils, electric switches and transformers. Jefferson Electric Mfg. Co. No. 120,392; Feb. 5; v. 247; p. 239.
Illuminating, lubricating, and burning oils and greases. Crew Levick Company. No. 123,429; Nov. 12; v. 256; p. 447.
Incrustation-removing compound. Oriental Oil Company. No. 122,733; Sept. 10; v. 254; p. 447.
Ingot bronze and brass. Mich. Smelting & Refining Co. No. 120,765; Mar. 5; v. 248; p. 231.
Ingots, castings, and Babbitt metal. The Ajax Metal Company. No. 120,320; Feb. 5; v. 247; p. 237.
Ink-erasers, Composition abrasive. Eraso Mfg. Co. No. 121,423; Apr. 30; v. 249; p. 1218.
Inks. Thorp & Martin Typewriter Co. No. 123,764; Dec. 3; v. 257; p. 189.
Inks, &c. Parsons Trading Company. No. 122,229; July 9; v. 252; p. 500.
Inks and dry colors, Printing-. Ault Printing Ink Company. No. 121,574; May 14; v. 250; p. 509.
Inks and inking materials, Certain named. Waters-Walch Mfg. Co. No. 123,075; Oct. 8; v. 255; p. 363.
Inks, carbon-papers, type-writer ribbons. Caribonum Company. No. 123,690; Dec. 3; v. 257; p. 187.
Inks, Drying compound for printing and lithographing. A. Cochard. No. 120,246; Feb. 5; v. 247; p. 238.
Insect and rodent destroying composition, Chemical. Commercial Chemical Co. No. 123,024; Oct. 8; v. 255; p. 361.
Insect-powder. S. B. Penick & Company. No. 123,951; Dec. 24; v. 257; p. 813.
Insect-repellent. The Kil-Tone Company. No. 120,108; Jan. 8; v. 246; p. 564.
Insecticide. B. Heller & Company. No. 122,475; Aug. 20; v. 253; p. 743.
Insecticide. J. M. Madden. No. 124,017; Dec. 31; v. 257; p. 1076.
Insecticide. Nicotine Mfg. Co. No. 120,279; Jan. 29; v. 246; p. 1200.
Insecticide. Smith, Kline & French Co. No. 122,398; July 30; v. 252; p. 1140.
Insecticide, Plant-. National Plant Food Co. No. 122,732; Sept. 10; v. 254; p. 447.
Insecticides. Merck & Co. No. 120,141; Jan. 8; v. 246; p. 565.
Insecticides. A. L. Sneed. Nos. 123,490–1; Nov. 12; v. 256; p. 449.
Insecticides. D. Sprague. No. 121,348; Apr. 23; v. 249; p. 982.
Insecticides. Valley Drug & Chemical Co. No. 123,955; Dec. 24; v. 257; p. 813.
Insecticides, Agricultural. General Chemical Company. No. 122,457; Aug. 20; v. 253; p. 742.
Insecticides and fungicides. Interstate Chemical Co. No. 121,901; June 11; v. 251; p. 458.
Insecticides, fungicides, and disinfectants. California Spray Chemical Company. No. 121,042; Apr. 2; v. 249; p. 235.
Insoles. S. Williams. No. 122,766; Sept. 10; v. 254; p. 448.
Insoles for shoes, Slip-. Armstrong Cork Company. No. 120,057; Jan. 8; v. 246; p. 563.
Insulated wire. Atlantic Insulated Wire & Cable Company. Nos. 120,317–18; Feb. 5; v. 247; p. 237.
Iron, castings and forgings of pig and forge iron, and steel, Bar and pig. Ljusne-Woxna Aktiebolag. No. 123,528; Nov. 19; v. 256; p. 639.
Irons, Electric sad-. Westinghouse Electric & Manufacturing Company. No. 120,460; Feb. 5; v. 247; p. 241.
Jackets, waistcoats, trousers, over and rain coats, Men's. M. Bertish & Co. No. 123,782; Dec. 10; v. 257; p. 403.
Jellies and desserts. Compound used in the preparation of. James A. McAteer & Sons. No. 122,029; June 18; v. 251; p. 672.
Jewelry and precious-metal ware, Certain named. Baird-North Co. No. 120,542; Feb. 19; v. 247; p. 741.
Jewelry and precious-metal ware, Certain named. J. H. Peckham. No. 122,231; July 9; v. 252; p. 500.
Jewelry and precious-metal ware, Certain named. Rueff Bros. No. 121,500; Apr. 30; v. 249; p. 1220.
Jewelry and precious-metal ware, Certain named. Taunton Pearl Works. No. 121,834; May 28; v. 250; p. 995.
Jewelry, Certain named. R. Stoll. No. 123,500; Nov. 12; v. 256; p. 449.
Jewelry, Various kinds of. L. Krower & Son. No. 120,752; Mar. 5; v. 248; p. 230.
Journals published monthly, Trade. Petroleum Publication Company. No. 122,987; Oct. 1; v. 255; p. 158.
Kangaroo, patent-leather, India-goat, and sheep skins, Finished. F. E. Fleet Co. No. 120,486; Feb. 12; v. 247; p. 475.
Kid and fancy leathers, Glacéd. Coxe & Lloyd Leather Company. No. 122,445; Aug. 20; v. 253; p. 742.
Kilns for drying wood veneer and lumber, Dry-. E. Lambert. No. 122,505; Aug. 20; v. 253; p. 743.
Knickers. Hurwitch Brothers. No. 122,588; Aug. 27; v. 253; p. 949.
Knit garments. Moseley & Co. No. 120,991; Mar. 19; v. 248; p. 765.
Knit goods, Piece. Textile Utilities Corporation. No. 121,515; Apr. 30; v. 249; p. 1221.
Knit underwear. West Coast Knitting Mills. No. 123,673; Nov. 19; v. 256; p. 643.
Knit underwear and hosiery. Julius Kayser & Co. No. 120,399; Feb. 5; v. 247; p. 239.
Knit underwear, Ladies'. Julius Kayser & Co No. 120,501; Feb. 12; v. 247; p. 476.
Knitted and woven underwear. The Northwestern Knitting Co. No. 120,993; Mar. 19; v. 248; p. 765.
Knitted and woven underwear. The William Carter Company. No. 121,403; Apr. 30; v. 249; p. 1217.
Knitted and woven woolen piece goods. French & Ward. No. 121,774; May 28; v. 250; p. 994.

Knitted, netted, and textile fabric, Certain. Lesher, Whitman & Co. Nos. 121,461–2; Apr. 30; v. 249; p. 1219.
Knitted, netted, and textile fabrics, Certain named. L. C. Chase & Company. No. 122,680; Sept. 10; v. 254; p. 445.
Knitted, netted, and textile fabrics, Certain named. L. C. Chase & Company. No. 123,894; Dec. 17; v. 257; p. 643.
Knitted, netted, and textile fabrics, Certain named. Derryvale Linen Company. No. 121,763; May 28; v. 250; p. 993.
Knitted, netted, and textile fabrics, Certain named. Elms & Selion. No. 123,899; Dec. 17; v. 257; p. 643.
Knitted, netted, and textile fabrics, Certain named. J. Fingold. No. 120,488; Feb. 12; v. 247; p. 475.
Knitted, netted, and textile fabrics, Certain named. Liberty & Co. No. 120,598; Feb. 19; v. 247; p. 742.
Knitted, netted, and textile fabrics, Certain named. C. P. Toomey. No. 122,762; Sept. 10; v. 254; p. 448.
Knitted underwear. The Adrian Knitting Company. No. 123,957; Dec. 31; v. 257; p. 1075.
Knitted underwear. Marshall Field & Company. No. 121,469; Apr. 30; v. 249; p. 1219.
Knitted underwear. Ogden Utah Knitting Company. No. 124,034; Dec. 31; v. 257; p. 1077.
Knitted underwear. Peerless Underwear Company. No. 121,489; Apr. 30; v. 249; p. 1220.
Knitted underwear and vests, Infants'. Marshall Field & Company. No. 123,620; Nov. 19; v. 256; p. 642.
Knitted underwear, bathing-suits, jerseys, sweaters, hosiery. A. M. Webb. No. 122,764; Sept. 10; v. 254; p. 448.
Knitted underwear, hosiery, and sweaters. Shapiro Bros. No. 120,693; Feb. 26; v. 247; p. 962.
Knitted underwear, two-piece garments, sweater-coats, and sweaters. Union Mills. No. 123,074; Oct. 8; v. 255; p. 363.
Knitted underwear, Women's. Art-Tex Distributing Co. No. 123,777; Dec. 10; v. 257; p. 403.
Knitted union-suits, shirts, and drawers for men. Chalmers Knitting Company. Nos. 120,948–9; Mar. 19; v. 248; p. 763.
Knitted union-suits, vests, chemises, camisoles. Julius Kayser & Co. No. 121,784; May 28; v. 250; p. 994.
Knitting-machine latch-needles. Excelsior Needle Company. No. 120,728; Mar. 5; v. 248; p. 230.
Knitting-machines. E. Schneider. No. 121,954; June 11; v. 251; p. 460.
Knitting-needles. Hand. The Celluloid Company. No. 121,757; May 28; v. 250; p. 993.
Knitting pins and needles for hand use. Pacific Novelty Company. No. 122,905; Sept. 24; v. 254; p. 863.
Knives, forks, spoons, and ladles, Silver-plated. International Silver Company. Nos. 123,042–3; Oct. 8; v. 255; p. 362.
Knives, Pocket-. The Robeson Cutlery Company. No. 122,160; July 2; v. 252; p. 242.
Label-pasting machines. A. G. Prior. No. 123,642; Nov. 19; v. 256; p. 642.
Lace goods in the piece, lace curtains. Fine Art Lace Company. No. 122,693; Sept. 10; v. 254; p. 446.
Laces. W. W. Chace. No. 120,166; Jan. 15; v. 246; p. 819.
Laces, Boot, shoe, and corset. Faire Bros. & Co. No. 121,281; Apr. 23; v. 249; p. 980.
Lacing, Rawhide. Chas. A. Schieren Company. No. 120,117; Jan. 8; v. 246; p. 565.
Lacquer. The Lactex Process Company. No. 123,138; Oct. 15; v. 255; p. 606.
Lacquers, varnishes, paints. Redmanol Chemical Products Co. No. 121,949; June 11; v. 251; p. 460.
Lamp lenses, Automobile-. Noglare Auto Lens Co. No. 120,685; Feb. 26; v. 247; p. 962.
Lamp-regulating devices, Electric-. Benjamin Electric Manufacturing Company. No. 122,181; July 9; v. 252; p. 499.
Lamps and generators, Combined electric. Splitdorf Electrical Company. No. 121,347; Apr. 23; v. 249; p. 982.
Lamps, Diffusing-lenses for automobile-. The Lancaster Lens Company. No. 121,456; Apr. 30; v. 249; p. 1219.
Lamps, Electric stand-. Uno-lite Company of America. No. 123,175; Oct. 15; v. 255; p. 608.
Lamps, Incandescent electric. Westinghouse Lamp Company. No. 121,025; Mar. 19; v. 248; p. 766.
Lamps, lanterns, stoves, and heaters, Oil. Standard Oil Company of New York. No. 122,109; June 25; v. 251; p. 836.
Lamps, Portable electric. H. M. Peters. No. 121,327; Apr. 23; v. 249; p. 982.
Lard. B. A. Berry. No. 122,952; Oct. 1; v. 255; p. 157.
Lard substitute. Armstrong Packing Company. No. 123,966; Dec. 31; v. 257; p. 1075.
Lard substitute. Kingan & Company. No. 120,266; Jan. 29; v. 246; p. 1200.
Lard substitute. H. E. Kriel. No. 123,826; Dec. 10; v. 257; p. 404.
Lathes. Flather & Company. No. 121,610; May 14; v. 250; p. 510.
Lathes. M. D. Kopple. No. 122,502; Aug. 20; v. 253; p. 743.
Lathes, metal milling and grinding machines, &c. The Stenotype Company. No. 120,789; Mar. 5; v. 248; p. 232.
Laxative. J. M. Hollander. No. 121,064; Apr. 2; v. 249; p. 232.
Laxative. O. Korn. No. 123,045; Oct. 8; v. 255; p. 362.
Laxative, Chocolate. Gentalax Company. No. 120,382; Feb. 5; v. 247; p. 239.
Laxative, Herb. Hollister Drug Company. No. 120,104; Jan. 8; v. 246; p. 564.
Laxative preparations. Koman Tablet Company. No. 121,068; Apr. 2; v. 249; p. 232.
Lead, Red. National Lead Company. No. 121,318; Apr. 23; v. 249; p. 981.
Leather. Hirth-Kramer Company. No. 121,619; May 14; v. 250; p. 510.
Leather. Holsam Company. No. 123,241; Oct. 22; v. 255; p. 824.
Leather. International Pyrotan Comp. No. 123,820; Dec. 10; v. 257; p. 404.
Leather. Quaker City Supply Co. No. 122,530; Aug. 20; v. 253; p. 744.
Leather. Richard Young Company. No. 122,912; Sept. 24; v. 254; p. 863.
Leather, Artificial and imitation. Titus Blatter & Company. No. 121,582; May 14; v. 250; p. 509.
Leather-board, Manufactured water-resisting. The Herkimer Fibre Company. No. 122,463; Aug. 20; v. 253; p. 742.
Leather-dressing. Magic Leather Treatment Co. No. 123,364; Oct. 29; v. 255; p. 1050.
Leather-dressing. F. P. Smith. Nos. 121,506–7; Apr. 30; v. 249; p. 1220.
Leather dressing, waterproofing, and polishing material. Whittemore Bro's Corp. No. 123,406; Oct. 29; v. 255; p. 1052.
Leather dressings, seasonings, fillers, and varnish. Innis, Speiden & Co. No. 121,900; June 11; v. 251; p. 458.
Leather, Finished calf-. Barnet Leather Co. No. 120,061; Jan. 8; v. 246; p. 563.
Leather goods, Certain named. Keystone Leather Goods Co. No. 122,218; July 9; v. 252; p. 500.
Leather, hides, sides, backs, and bends, Sole-. Van Dyne-Hungerford Co. No. 120,534; Feb. 12; v. 247; p. 477.
Leather impregnated with nitrocellulose cement. Products Syndicate. No. 122,908; Sept. 24; v. 254; p. 863.
Leather in strips and squares, Sole-. C. G. Fleckenstein Co. No. 123,222; Oct. 22; v. 255; p. 824.
Leather-preservative. W. H. King. No. 120,590; Feb. 19; v. 247; p. 742.
Leather preservative, Boot and shoe. B. L. Rosenbloom. No. 122,344; July 23; v. 252; p. 958.
Leather-working machinery. Associated Tanners Machinery Co. No. 122,124; July 2; v. 252; p. 241.
Leathers. Von Der Heyde & John. No. 123,872; Dec. 10; v. 257; p. 406.
Leathers, Shoe and glove. Fred Rueping Leather Co. No. 123,279; Oct. 22; v. 255; p. 826.
Leathers, Tanned and finished. Ziegel, Eisman & Company. No. 121,842; May 28; v. 250; p. 996.
Leggings of cloth or leather. A. E. Little Company. No. 122,599; Aug. 27; v. 253; p. 950.
Lemons. Tustin Lemon Association. No. 121,361; Apr. 23; v. 249; p. 982.
Lemons. Tustin Lemon Association. No. 123,073; Oct. 8; v. 255; p. 363.
Lightning-rods. The E. A. Foy Company. No. 122,137; July 2; v. 252; p. 241.
Lime. The Ohio Hydrate & Supply Company. No. 120,774; Mar. 5; v. 248; p. 231.
Lime for building purposes. The Ohio Hydrate & Supply Company. No. 121,485; Apr. 30; v. 249; p. 1220.
Lime for mortar, &c. General Basic Products Company. No. 121,890; June 11; v. 251; p. 458.
Lime to be used in the polishing of metals. C. H. Gaylord. No. 122,273; July 16; v. 252; p. 741.
Line casing or piping. Joseph Greenspon's Sons Iron & Steel Co. No. 123,123; Oct. 15; v. 255; p. 606.
Linen, cotton, silk, and mixed piece goods. N. Erlanger, Blumgart & Co. No. 120,856; Mar. 12; v. 248; p. 496.
Lingerie. Blaskopf & Co. No. 123,191; Oct. 22; v. 255; p. 823.
Liniment. Cavin & Brown. No. 123,550; Nov. 19; v. 256; p. 639.
Liniment. C. Mahnken. No. 120,199; Jan. 15; v. 246; p. 820.
Liniment and ointment. J. H. Brown. No. 121,860; June 11; v. 251; p. 457.
Liniment for burns, bruises, cuts, &c. O. C. Hoppe. No. 122,879; Sept. 24; v. 254; p. 862.
Liniment for relief of certain named ailments. H. Hirschman. No. 120,103; Jan. 8; v. 246; p. 564.
Liniment for rheumatism and swellings. F. W. Peterson. No. 121,943; June 11; v. 251; p. 460.
Liniment for rheumatism, neuralgia, cuts, poison-oak, &c. R. L. Robinson. No. 120,782; Mar. 5; v. 248; p. 231.
Liniment for rheumatism, sciatica, lumbago, &c. The Warren Laboratories Co. No. 121,109; Apr. 2; v. 249; p. 233.
Liniment for the treatment of certain named ailments. J. Hamburger. No. 121,616; May 14; v. 250; p. 510.

Alphabetical list of trade-marks—Continued.

Liniment for the treatment of certain named diseases. M. C. Conley. No. 123,425; Nov. 12; v. 256; p. 447.
Liniment for the treatment of gout, neuralgia, colds, &c. J. M. Hollander. No. 120,261; Jan. 29; v. 246; p. 1200.
Liniment, Snake-. Martin-Bell Drug Co. No. 123,839; Dec. 10; v. 257; p. 405.
Liniments for inflammations due to colds, Medicinal. O. Hendricks. No. 122,476; Aug. 20; v. 253; p. 743.
Linoleum and like goods and certain articles made therefrom. Goldman Costume Company. No. 120,096; Jan. 8; v. 246; p. 564.
Lithium, magnesium, strontium, thorium nitrate. Foote Mineral Co. No. 122,138; July 2; v. 252; p. 241.
Lithographs, posters, photographs. The H. C. Miner Lithographing Co. No. 121,059; Apr. 2; v. 249; p. 232.
Locks in connection with automobiles, Switch-. The Ram Engineering Company. No. 122,611; Aug. 27; v. 253; p. 950.
Loganberry and grape juice. Renken & Yates Smith. No. 122,613; Aug. 27; v. 253; p. 950.
Logs for use as sawmill material. African Association. No. 121,150; Apr. 16; v. 249; p. 735.
Logwood crystals for dyeing. The J. S. Young Company. No. 121,382; Apr. 23; v. 249; p. 983.
Lollypops. Eye Brand Confectionery. No. 121,049; Apr. 2; v. 249; p. 231.
Long-cloths, sheetings, nainsooks, &c. Richard Haworth and Company. No. 123,235; Oct. 22; v. 255; p. 824.
Loom-temples. Draper Corporation. No. 121,273; Apr. 23; v. 249; p. 980.
Lotion, Complexion-. E. Palette. No. 121,819; May 28; v. 250; p. 995.
Lotion, Eye-. F. N. Lewis. No. 123,463; Nov. 12; v. 256; p. 448.
Lotion, Foot-. H. D. Miles. No. 123,469; Nov. 12; v. 256; p. 448.
Lotion for chapped and rough skin. Toilet. M. Block. No. 121,249; Apr. 23; v. 249; p. 979.
Lotion for removing skin blemishes. B. L. Barber. No. 122,422; Aug. 20; v. 253; p. 741.
Lotion or balm for the skin, Healing. Persian Balm Toilet Company. No. 123,383; Oct. 29; v. 255; p. 1051.
Lotion, Skin-. B. S. Doty. No. 120,176; Jan. 15; v. 246; p. 819.
Lotion, Skin-. L. J. Heath. No. 121,893; June 11; v. 251; p. 458.
Lotion, Skin-. R. L. Tirrell. No. 122,760; Sept. 10; v. 254; p. 448.
Lotions and after-shaving preparations, Face-. The J. B. Williams Company. No. 121,027; Mar. 19; v. 248; p. 766.
Lubricants. Keystone Lubricating Company. No. 124,008; Dec. 31; v. 257; p. 1076.
Lubricants consisting of oil and greases. A. C. Buzby. No. 121,591; May 14; v. 250; p. 509.
Lumber. The Benn Lumber Company. No. 122,183; July 9; v. 252; p. 499.
Luminous material, Chemical. Radium Dial Company. Nos. 123,334–6; Apr. 23; v. 249; p. 982.
Luminous material, Chemical. Radium Dial Company. No. 121,494; Apr. 30; v. 249; p. 1220.
Macaroni. Cable-Draper Baking Company. No. 120,547; Feb. 19; v. 247; p. 741.
Macaroni. Skinner Mfg. Co. No. 121,345; Apr. 23; v. 249; p. 982.
Macaroni and alimentary pastes. Guano & Raggio. No. 123,228; Oct. 22; v. 255; p. 824.
Macaroni, noodles, spaghetti, vermicelli. The American Macaroni Co. No. 122,001; June 18; v. 251; p. 671.
Macaroni, spaghetti, and noodles. The Cleveland Macaroni Company. No. 120,954; Mar. 19; v. 248; p. 763.
Macaroni, spaghetti, macaroni-paste. Birmingham Macaroni Co. No. 123,325; Oct. 29; v. 255; p. 1049.
Macaroni, spaghetti, noodles. The Foulds Milling Company. No. 122,077; June 25; v. 251; p. 835.
Macaroni, spaghetti, noodles, vermicelli, and similar Italian paste products. Randazzo Macaroni Manufacturing Company. No. 120,425; Feb. 5; v. 247; p. 240.
Macaroni, vermicelli, noodles. The Atlanta Macaroni Co. No. 122,003; June 18; v. 251; p. 671.
Machinery and tools, Certain named. D. A. Carpenter. No. 120,355; Feb. 5; v. 247; p. 238.
Machinery, Certain named. The Marion Steam Shovel Company. No. 120,762; Mar. 5; v. 248; p. 231.
Machines and parts thereof. Cameron Machine Company. No. 123,096; Oct. 15; v. 255; p. 605.
Machines and tools, Certain named. Union Twist Drill Co. No. 120,920; Mar. 12; v. 248; 498.
Machines, cutlery, and tools, Certain named. Vaughan & Bushnell Manufacturing Company. No. 120,805; Mar. 5; v. 248; p. 232.
Magazine. Barker Bros. No. 123,779; Dec. 10; v. 257; p. 403.
Magazine, Monthly. T. S. Buhrman. No. 123,789; Dec. 10; v. 257; p. 403.
Magazine, Monthly. B. V. Crandall. No. 123,798; Dec. 10; v. 257; p. 404.
Magazine, Monthly. Holstein-Friesian World. No. 121,621; May 14; v. 250; p. 510.
Magazine, Monthly. Independent Advertising Publ's. No. 122,484; Aug. 20; v. 253; p. 743.
Magazine, Monthly. Johansen Brothers Shoe Company. No. 123,822; Dec. 10; v. 257; p. 404.
Magazine, Monthly. Kellogg Switchboard & Supply Co. No. 122,490; Aug. 20; v. 253; p. 743.
Magazine, Monthly. Price Trade Publishing Co. No. 123,273; Oct. 22; v. 255; p. 825.
Magazine or periodical monthly. Realty Publishing Co. No. 121,948; June 11; v. 251; p. 460.
Magazine published monthly. Airtravel Corporation. No. 120,468; Feb. 12; v. 247; p. 475.
Magazine, Semimonthly. Fairchild Company. No. 122,961; Oct. 1; v. 255; p. 157.
Magazines, Monthly. On The Square Publishing Company. No. 122,998; Oct. 1; v. 255; p. 158.
Magazines, Weekly. Gulf Publishing Company. No. 122,966; Oct. 1; v. 255; p. 157.
Magnesium and magnesium compounds. Foote Mineral Co. No. 621,887; June 11; v. 251; p. 458.
Magnetic rectifiers. The France Manufacturing Co. No. 123,117; Oct. 15; v. 255; p. 606.
Mailing tubes, bags, boxes, &c. International Mailing Tube and Wrapper Co. No. 121,717; May 21; v. 250; p. 765.
Malt extracts, ales, and beers. The Beau-Site Company. No. 120,818; Mar. 12; v. 248; p. 495.
Manicure and toilet tools, hand-forceps, and surgical scissors. Joseph Ross & Company. No. 122,393; July 30; v. 252; p. 1140.
Manifolds, mechanical primers, carbureters, and parts thereof. Kerosene Burning Carburetor Company. No. 122,325; July 23; v. 252; p. 957.
Marble and building-stone. Spring River Stone Co. No. 120,046; Jan. 1; v. 246; p. 298.
Margarin, Nut. Nucoa Butter Company. No. 120,883; Mar. 12; v. 248; p. 497.
Marmalade and jelly, Orange. North Ontario Packing Co. No. 124,031; Dec. 31; v. 257; p. 1077.
Marshmallows. Mathews Candy Co. No. 123,370; Oct. 29; v. 255; p. 1050.
Mattresses. Anderson & McClinton. No. 120,156; Jan. 15; v. 246; p. 819.
Mattresses. The Cussins & Fearn Co. No. 123,427; Nov. 12; v. 256; p. 447.
Mattresses. L. Jacobs. No. 123,133; Oct. 15; v. 255; p. 606.
Mattresses. Knoxville Excelsior & Mattress Co. No. 121,629; May 14; v. 250; p. 510.
Mattresses. Levy Mattress Company. No. 122,219; July 9; v. 252; p. 500.
Mattresses. Sealy Mattress Company. Nos. 122,618–20; Aug. 27; v. 253; p. 950.
Mattresses. Sealy Mattress Co. No. 123,163; Oct. 15; v. 255; p. 607.
Mattresses. Sealy Mattress Co. No. 123,488; Nov. 12; v. 256; p. 449.
Mattresses, cots, bed-springs, couches, &c. T. B. Burnett. Nos. 121,695–8; May 21; v. 250; p. 763.
Mayonnaise, jellies, peanut-butter, &c. S. Miller. No. 121,314; Apr. 23; v. 249; p. 981.
Meal, calf, pig, lamb, and dairy meal. Blatchford's Calf Meal Factory. No. 120,819; Mar. 12; v. 248; p. 495.
Meals, comprising a compounded ground feed for poultry. Blatchford's Calf Meal Factory. No. 120,820; Mar. 12; v. 248; p. 495.
Measuring and scientific appliances and parts, Certain named. American Optical Company. No. 122,175; July 9; v. 252; p. 499.
Measuring and scientific appliances, Certain named. American Optical Company. No. 121,573; May 14; v. 250; p. 509.
Measuring and scientific appliances, Certain named. Eastman Kodak Company. No. 120,963; Mar. 19; v. 248; p. 764.
Measuring and scientific appliances, Certain named. Union Twist Drill Co. Nos. 121,671–2; May 14; v. 250; p. 512.
Measuring and scientific appliances made of pyroxylin, Certain named. The Celluloid Company. No. 122,435; Aug. 20; v. 253; p. 741.
Meat, Fresh and frozen whale-. American Pacific Whaling Company. No. 123,313; Oct. 29; v. 255; p. 1049.
Medical compound. M. De Bar. No. 121,269; Apr. 23; v. 249; p. 980.
Medical preparation for coughs, colds, &c. P. G. Ebbecke. No. 123,433; Nov. 12; v. 256; p. 447.
Medicated bath liquid. M. Campanella. No. 121,076; Apr. 2; v. 249; p. 232.
Medicinal compound. B. Reinichen. No. 123,060; Oct. 8; v. 255; p. 362.
Medicinal compound for asthma, catarrh, and bronchitis. B. L. Posch. No. 123,482; Nov. 12; v. 256; p. 449.
Medicinal compound for hemorrhoids. A. Perniciaro. No. 121,725; May 21; v. 250; p. 764.
Medicinal compound in tablet form used internally in treating various human ailments. Sansby Brothers. No. 123,064; Oct. 8; v. 255; p. 362.
Medicinal food. Armour & Company. No. 120,814; Mar. 12; v. 248; p. 495.

Medicinal preparation for certain named ailments. W. M. Knight. No. 123,606; Nov. 19; v. 256; p. 641.
Medicinal preparation for certain named conditions. B. F. Michael. No. 122,511; Aug. 20; v. 253; p. 744.
Medicinal preparation for colds, coughs, la grippe, &c. S. Pfeiffer Manufacturing Company. No. 121,093; Apr. 2; v. 249; p. 233.
Medicinal preparation for disorders of the genito-urinary organs. S. Pfeiffer Mfg. Co. No. 120,421; Feb. 5; v. 247; p. 240.
Medicinal preparaton for indigestion, &c. P. Schlosser. No. 121,214; Apr. 16; v. 249; p. 737.
Medicinal preparation for the treatment of certain named diseases. Iodinized Products Company. No. 123,720; Dec. 3; v. 257; p. 188.
Medicinal preparation for treating certain named diseases. Uyratis Co. No. 123,509; Nov. 12; v. 256; p. 450.
Medicinal preparation for treatment of fevers, colds, colic, &c. S. A. Bhisey. No. 120,783; Mar. 5; v. 248; p. 231.
Medicinal preparation for use as a liniment. A. Forni. No. 120,859; Mar. 12; v. 248; p. 496.
Medicinal preparation used locally in the treatment of certain named diseases. New York Kaolin Manufacturing Co. No. 121,089; Apr. 2; v. 249; p. 232.
Medicinal preparations. A. N. Roe. No. 124,046; Dec. 31; v. 257; p. 1077.
Medicinal preparations for coughs and colds. G. W. Hean. No. 122,474; Aug. 20; v. 253; p. 742.
Medicinal preparations for treatment of the scalp and hair. J. Hugh. No. 121,290; Apr. 23; v. 249; p. 980.
Medicinal tablets. R. C. White. No. 123,405; Oct. 29; v. 255; p. 1051.
Medicinal tonic. H. T. Dewey & Sons. No. 120,078; Jan. 8; v. 246; p. 563.
Medicinal tonic, a liniment, and an ointment. W. G. McGechie. No. 123,734; Dec. 3; v. 257; p. 188.
Medicinal tonic for certain named diseases, hair-tonic, foot-powder, facial cream. Athenian Manufacturing Company. No. 120,059; Jan. 8; v. 246; p. 563.
Medicine. E. Arnold. No. 121,748; May 28; v. 250; p. 993.
Medicine and laxative, Liver. Dickson-Sadler Company. No. 123,699; Dec. 3; v. 257; p. 187.
Medicine and tonic, Cattle and stock. Troy Chemical Co. No. 122,167; July 2; v. 252; p. 242.
Medicine, Asthma. W. M. Lee. No. 123,046; Oct. 8; v. 255; p. 362.
Medicine for certain named diseases. Reinberger & Collier. No. 123,156; Oct. 15; v. 255; p. 607.
Medicine for chronic stomach trouble, change of life, &c. M. L. McMillan. No. 122,721; Sept. 10; v. 254; p. 446.
Medicine for constipation and auto-intoxication. Millard Corporation. No. 124,023; Dec. 31; v. 257; p. 1077.
Medicine for constipation, indigestion, headache, &c. I. Horovitz. No. 122,880; Sept. 24; v. 254; p. 862.
Medicine for epilepsy. P. G. Garza. No. 122,340; July 23; v. 252; p. 958.
Medicine for inflammation of the kidneys and bladder, backache, &c. K. E. Bradley. No. 120,713; Mar. 5; v. 248; p. 229.
Medicine for live stock and poultry, Certain named. The Tropical Co-Operative Company. No. 123,394; Oct. 29; v. 255; p. 1051.
Medicine for stomach and bowel disorders. Capdau and Breslin. No. 122,371; July 30; v. 252; p. 1139.
Medicine for the stomach and liver. Tonic. National Druggists Syndicate. No. 123,851; Dec. 10; v. 257; p. 405.
Medicine for the treatment of nervous, anemic, rheumatic, and stomach diseases. E. Tessicini. No. 121,971; June 11; v. 251; p. 461.
Medicine for the treatment of rheumatism and catarrh. C. Kreidt. No. 123,453; Nov. 12; v. 256; p. 448.
Medicine for vaginitis, cervicitis, &c. Williams Bros. Chemical Co. No. 121,571; May 7; v. 250; p. 252.
Medicine known as andron for the prevention of certain named diseases. Andron Hygienic Co. No. 120,237; Jan. 29; v. 246; p. 1199.
Medicine to be taken as a preparation for the treatment of certain named diseases. A. Brunson. No. 122,432; Aug. 20; v. 253; p. 741.
Medicine used as a tonic for certain named diseases. Irogen Chemical Co. No. 123,357; Oct. 29; v. 255; p. 1050.
Medicines. Eli Lilly and Company. No. 123,336; Oct. 29; v. 255; p. 1049.
Medicines and pharmaceutical preparations. U. G. Ruff, Jr. No. 123,757; Dec. 3; v. 257; p. 189.
Medicines and pharmaceutical preparations, Certain named. Qualo Drug Company. No. 123,484; Nov. 12; v. 256; p. 449.
Medicines and pharmaceutical preparations, Certain named. Sanol Chemical Co. No. 123,954; Dec. 24; v. 257; p. 813.
Medicines for malarial fevers, colds, and la grippe. I. M. Fischer, Jr. No. 121,283; Apr. 23; v. 249; p. 980.
Medicines for removing worms from hogs. Shores-Mueller Company. No. 123,761; Dec. 3; v. 257; p. 189.
Medicines used in the treatment of certain named diseases. K. S. Ramashauski. No. 122,990; Oct. 1; v. 255; p. 158.
Metal, Babbitt. E. C. Atkins & Company. No. 121,849; June 11; v. 251; p. 457.
Metal, Babbitt. Hoyt Metal Company. No. 122,798; Sept. 17; v. 254; p. 652.
Metal, Babbitt. Syracuse Smelting Works. No. 122,114; June 25; v. 251; p. 837.
Metal, Babbitt. Syracuse Smelting Works. No. 124,054; Dec. 31; v. 257; p. 1078.
Metal-cutting tools used in metal-working machinery, abrading-machines, reamers, and files. Rolling File Tool Company. No. 122,343; July 23; v. 252; p. 958.
Metal plates for printing purposes. Frank McLees & Bros. No. 123,835; Dec. 10; v. 257; p. 405.
Metal-plating solution. L. Markowsky. No. 123,366; Oct. 29; v. 255; p. 1050.
Metal-polish. M. Coddon. No. 121,046; Apr. 2; v. 249; p. 231.
Metal-polish. Kleeno Manufacturing Co. No. 123,725; Dec. 3; v. 257; p. 188.
Metal-polishing paste. N. A. F. George. No. 123,377; Oct. 29; v. 255; p. 1051.
Metal sheets, Corrugated and plain. The Newport Rolling Mill Company. No. 123,475; Nov. 12; v. 256; p. 449.
Metal-working machinery, Certain named. Amalgamated Machinery Corporation. No. 122,414; Aug. 20; v. 253; p. 741.
Metal-working machinery, Certain named. The Defiance Machine Works. No. 121,879; June 11; v. 251; p. 458.
Metal-working machines and tools and accessories, Certain named. W. G. Moore. No. 124,026; Dec. 31; v. 257; p. 1077.
Metals and metal castings and forgings, Certain named. G. Barnsley & Sons. No. 121,851; June 11; v. 251; p. 457.
Metals and metal castings and forgings, Certain named. H. Boker & Co. Nos. 122,775–6; Sept. 17; v. 254; p. 651.
Metals and metal castings and forgings, Certain named. British Mannesmann Tube Company. No. 123,972; Dec. 31; v. 257; p. 1075.
Metals and metal castings and forgings, Certain named. Columbia Tool Steel Company. No. 123,983; Dec. 31; v. 257; p. 1075.
Metals and metal castings and forgings, Certain named. The National Supply Company. No. 121,642; May 14; v. 250; p. 511.
Metals, Antifriction. H. W. Aitken. No. 122,254; July 16; v. 252; p. 741.
Metals, Certain named. H. Boker & Co. No. 123,090; Oct. 15; v. 255; p. 605.
Metallic articles, Certain named. Art Metal Construction Co. No. 121,132; Apr. 9; v. 249; p. 503.
Metallic particles for stoneworking operations. The Globe Steel Company. No. 122,207; July 9; v. 252; p. 500.
Middy-blouses, sport-suits, shirt-waists, &c. Bloom & Millman. No. 120,011; Jan. 1; v. 246; p. 297.
Military insignia. Mount Royal Corporation. No. 123,375; Oct. 29; v. 255; p. 1051.
Milk and a compound comprising malted milk and honey to be used for making drinks, Malted. J. W. Barwell. No. 120,321; Feb. 5; v. 247; p. 237.
Milk and vegetable fat, Compound of evaporated skimmed. En-Zo Company. No. 121,535; May 7; v. 250; p. 251.
Milk, Coagulated. A. P. Martinez. No. 120,409; Feb. 5; v. 247; p. 240.
Milk, Condensed. The Diamond Creamery Co. No. 122,860; Sept. 24; v. 254; p. 861.
Milk, Condensed. Rogers Milk Corporation. No. 122,819; Sept. 17; v. 254; p. 652.
Milk, Condensed. Waddington Condensed Milk Co. No. 122,358; July 23; v. 252; p. 958.
Milk, eggs, butter, Fresh. G. W. Wilder. No. 123,771; Dec. 3; v. 257; p. 189.
Milk, Evaporated. Grand Ledge Milk Co. No. 122,272; July 16; v. 252; p. 741.
Milk, Evaporated. The Laurel Company. No. 120,401; Feb. 5; v. 247; p. 239.
Milk, Evaporated. The Oatman Condensed Milk Co. No. 122,099; June 25; v. 251; p. 836.
Milk, Evaporated. The Wisconsin Butter & Cheese Co. No. 121,118; Apr. 2; v. 249; p. 233.
Milk, Malted. The Alfa-Celo Corporation. No. 122,122; July 2; v. 252; p. 241.
Milk, soups, &c. Childs Company. No. 123,203; Oct. 22; v. 255; p. 823.
Milk-sugar. National Milk Sugar Company. No. 124,028; Dec. 31; v. 257; p. 1077.
Milking-machines. Pine Tree Milking Machine Company. No. 122,816; Sept. 17; v. 254; p. 652.
Mill machinery, Corliss and oil engines, &c., Sugar-. Fulton Iron Works Company. No. 121,286; Apr. 23; v. 249; p. 980.
Millinery supplies, Certain named. A. L. Simon & Co. No. 122,922; Sept. 24; v. 254; p. 863.
Mince-meat, orange marmalade, plum-pudding, sausage. John Morrell & Co. No. 121,134; Apr. 9; v. 249; p. 503.
Mineral products and ores, Certain named. Foote Mineral Co. No. 121,430; Apr. 30; v. 249; p. 1218.
Minerals, mineral products and samples, ores. Foote Mineral Co. Nos. 121,051–2; Apr. 2; v. 249; p. 231.

Mining machinery, rock and hammer drills, drill-sharpeners. The J. Geo. Leyner Engineering Works Company. No. 121,634; May 14; v. 250; p. 511.
Mirrors and picture-frames, Hand-. Celluloid Company. No. 123,793; Dec. 10; v. 257; p. 403.
Moistening devices for gummed papers, tape, stamps, &c. Liberty Paper Company. No. 123,732; Dec. 3; v. 257; p. 188.
Molasses. The American Sugar Refining Company. No. 121,536; May 7; v. 250; p. 251.
Molasses. Atlas Specialty Co. No. 123,969; Dec. 31; v. 257; p. 1075.
Molasses, sorghums, cane and maple syrups, and compounds thereof. New Orleans Coffee Co. No. 121,643; May 14; v. 250; p. 511.
Mops. Fickett Manufacturing Co. No. 120,022; Jan. 1; v. 246; p. 297.
Mops, brooms, brushes, feather dusters. Herman Kornahrens, Inc. No. 120,743; Mar. 5; v. 248; p. 230.
Moth preventive and exterminator. The Phenol Chemical Company. No. 123,483; Nov. 12; v. 256; p. 449.
Motor-cycles, motor-cycle vans and side cars. Reading Standard Company. No. 122,909; Sept. 24; v. 254; p. 863.
Motor-fuel compound of gasolene and benzol. L. R. Cross. No. 123,106; Oct. 15; v. 255; p. 606.
Motor-pistons and cut-outs and vehicle-wheel pullers. American Machine Products Co. No. 120,702; Mar. 5; v. 248; p. 229.
Motor-spirits, Certain named. Tide Water Oil Company. No. 121,973; June 11; v. 251; p. 461.
Mouth-wash and tooth-paste. Mentho-Listine Chemical Co. No. 122,386; July 30; v. 252; p. 1139.
Mouth-wash, Antiseptic. A. E. Brown. No. 121,040; Apr. 2; v. 249; p. 231.
Mouth-wash, gargle, and deodorant, Antiseptic disinfectant. The Pyrhodol & Chemical Co. No. 120,150; Jan. 8; v. 246; p. 566.
Mowers, Lawn-. J. Braun & Sons. Nos. 120,332–4; Feb. 5; v. 247; p. 237.
Mowers, Lawn-. J. Braun & Sons. No. 120,943; Mar. 19; v. 248; p. 763.
Mowers, Lawn-. J. Braun & Sons. No. 123,194; Oct. 22; v. 255; p. 823.
Mowers, Lawn-. J. Braun & Sons. Nos. 123,542–3; Nov. 19; v. 256; p. 639.
Mowers, Lawn-. Pennsylvania Lawn Mower Works. No. 121,491; Apr. 30; v. 249; p. 1220.
Mufflers and explosive-engines. Vacuum Muffler Corporation. No. 120,804; Mar. 5; v. 248; p. 232.
Mufflers and muffler attachments for coats. 'Conomy Muffler Company. No. 123,207; Oct. 22; v. 255; p. 823.
Munition-gages. Turnbull Elevator Mfg. Co. No. 123,295; Oct. 22; v. 255; p. 826.
Mushrooms, Fresh. Jackson's Mushroom Company. No. 122,971; Oct. 1; v. 255; p. 157.
Music, Blocks for use in teaching. The Musical Blue Book Corporation. No. 120,616; Feb. 19; v. 247; p. 743.
Music, Sheet-. S. Siegel. No. 121,686; May 14; v. 250; p. 512.
Musical-instrument cases. Hawkes & Son. No. 120,194; Jan. 15; v. 246; p. 820.
Musical-instrument strings, Wire. L. C. Schermerhorn. No. 120,116; Jan. 8; v. 246; p. 565.
Musical instruments and supplies, Certain named. C. G. Conn, Ltd. No. 120,250; Jan. 29; v. 246; p. 1199.
Musical instruments and supplies, Certain named. J. C. Deagan Musical Bells. No. 120,562; Feb. 19; v. 247; p. 741.
Musical instruments and supplies, Certain named. S. C. Osborn. No. 120,994; Mar. 19; v. 248; p. 765.
Musical instruments and supplies, Certain named. L. C. Schermerhorn. No. 121,957; June 11; v. 251; p. 460.
Musical instruments and supplies made of compounds of pyroxylin, Certain named. The Celluloid Company. No. 122,434; Aug. 20; v. 253; p. 741.
Musical instruments and wind instruments, Certain named. C. G. Conn. No. 121,045; Apr. 2; v. 249; p. 231.
Musical instruments, Certain named. C. G. Conn, Ltd. No. 120,350; Feb. 5; v. 247; p. 238.
Musical supplies made of compounds of pyroxylin, Certain named. The Celluloid Company. No. 123,021; Oct. 8; v. 255; p. 361.
Muslin piece goods, Bleached. M. E. Smith & Co. No. 121,833; May 28; v. 250; p. 995.
Mustard. Meyer & Lange. No. 121,921; June 11; v. 251; p. 459.
Mustard, American. American Mustard Company. No. 123,184; Oct. 22; v. 255; p. 823.
Mustard, India relish, salad-dressing, &c., Prepared. B. A. Railton Co. No. 121,208; Apr. 16; v. 249; p. 736.
Mustard, spices, flavoring extracts. J. T. Fargason Company. No. 121,549; May 7; v. 250; p. 251.
Nail-polish and hair-removers. E. D. Cutino. No. 123,985; Dec. 31; v. 257; p. 1075.
Nails and tacks. United Shoe Machinery Company. No. 123,174; Oct. 15; v. 255; p. 608.
Nails, Shoe-. Interstate Iron & Steel Co. No. 122,884; Sept. 24; v. 254; p. 862.
Nasal spray, mouth-wash, gargle, and douche. E. Sweeney. No. 120,450; Feb. 5; v. 247; p. 241.
Neckties. M. Simpson. No. 120,642; Feb. 19; v. 246; p. 744.
Neckties, Men's. A. L. Eisenstaedt Co. Nos. 123,988–9; Dec. 31; v. 257; p. 1076.
Neckwear. A. H. Waas. No. 121,524; Apr. 30; v. 249; p. 1221.
Neckwear, boudoir-caps, and automobile-hats, Ladies'. G., H. & E. Freydberg. No. 120,969; Mar. 19; v. 248; p. 764.
Neckwear, Women's. A. Phillips. No. 120,998; Mar. 19; v. 248; p. 765.
Needles, crochet-hooks, bodkins, Hand sewing and knitting. Thomas Harper & Sons. No. 120,528; Feb. 12; v. 247; p. 476.
Needles, Hand sewing-. Thomas Harper & Sons. No. 122,210; July 9; v. 252; p. 500.
Nerve-tonic. Frederick Stearns & Co. No. 120,790; Mar. 5; v. 248; p. 232.
Newspaper comic drawings. F. R. Morgan. No. 123,845; Dec. 10; v. 257; p. 405.
Newspaper, Daily. The Chronicle Publishing Company. No. 121,044; Apr. 2; v. 249; p. 231.
Newspaper, Daily. Women's Wear Company. No. 120,130; Jan. 8; v. 246; p. 565.
Newspaper published daily and Sunday. Washington Times Company. No. 122,119; June 25; v. 251; p. 837.
Newspaper-section. International News Service. No. 123,819; Dec. 10; v. 257; p. 404.
Newspaper-section. The Mar-Ge-Let Advertising Company. No. 121,075; Apr. 2; v. 249; p. 232.
Newspaper-section. James McClatchy Co. No. 123,257; Oct. 22; v. 255; p. 825.
Newspapers. The Renult Press. No. 122,991; Oct. 1; v. 255; p. 158.
Newspapers. The Washington Times Company. No. 122,556; Aug. 20; v. 253; p. 745.
Newspapers, Weekly. Riverside Review Company. No. 121,658; May 14; v. 250; p. 511.
Nipples and glass bottles used with same, Nursing-. The Vant Woud Rubber Co. No. 121,225; Apr. 16; v. 249; p. 737.
Nipples, Nursing-. Harris and Berntz Co. No. 121,441; Apr. 30; v. 249; p. 1218.
Nipples or teats used with milk and nursing bottles for infants. E. Monnier. Nos. 120,612–15; Feb. 19; v. 247; p. 743.
Nitrogen products. American Nitrogen Products Company. No. 120,315; Feb. 5; v. 247; p. 237.
Nitrogen products, being used as components of fertilizers. American Nitrogen Products Company. No. 122,665; Sept. 10; v. 254; p. 445.
Non-freezing solution for automobile-radiators. Frezalene Manufacturing Company. No. 120,736; Mar. 5; v. 248; p. 230.
Noodles. Three Minute Noodle Co. No. 123,395; Oct. 29; v. 255; p. 1051.
Nozzles and play-pipes. American La France Fire Engine Co. No. 123,079; Oct. 15; v. 255; p. 605.
Nut butter, margarin, cooking-fats, salad-oils. Kellogg Products Inc. Nos. 121,785–7; May 28; v. 250; p. 994.
Nuts, Salted. The Squirrel House. No. 122,999; Oct. 1; v. 255; p. 158.
Oats and corn flakes, Rolled. James A. McAteer & Sons. No. 123,051; Oct. 8; v. 255; p. 362.
Oil and kernels and cocoa for food purposes, Palm. African Association. No. 122,251; July 16; v. 252; p. 741.
Oil and liquid asphalt, Bituminous road-. The Barber Asphalt Paving Company. No. 121,850; June 11; v. 251; p. 457.
Oil and rust-preventive. Petroleum Products Co. No. 122,339; July 23; v. 252; p. 958.
Oil, Automatic machine-screw-cutting. W. Parker. No. 121,649; May 14; v. 250; p. 511.
Oil, Blended olive and peanut. John G. Neumeister Co. No. 124,029; Dec. 31; v. 257; p. 1077.
Oil-cans, Force-feed. G. Lidseen. No. 123,048; Oct. 8; v. 255; p. 362.
Oil, Cleaning and polishing. Standard Oil Company. No. 121,016; Mar. 19; v. 248; p. 765.
Oil-cloth and linoleum. J. F. Darling. No. 120,019; Jan. 1; v. 246; p. 297.
Oil, Cod-liver. McKesson & Robbins. No. 122,720; Sept. 10; v. 254; p. 446.
Oil, Edible olive-. Manuel Caragol & Son. No. 122,032; June 18; v. 251; p. 672.
Oil for cooking, Refined corn-. Baltimore Pearl Hominy Company. No. 123,537; Nov. 19; v. 256; p. 639.
Oil for cure of rheumatism. The Holland-India Oil Company. No. 121,063; Apr. 2; v. 249; p. 232.
Oil for rheumatism. B. Douglas. No. 123,577; Nov. 19; v. 256; p. 640.
Oil for soap-making, Treated. Processed Oils Corp. No. 123,752; Dec. 3; v. 257; p. 189.
Oil for treating and preserving golf, &c., clubs. J. D. Barton. No. 121,035; Apr. 2; v. 249; p. 231.
Oil for use in the softening, strengthening, and dyeing of textiles. E. F. Houghton & Co. No. 122,383; July 30; v. 252; p. 1139.

Oil, Glandular and massage. A. O. Leonard. No. 120,109; Jan. 8; v. 246; p. 564.
Oil in ranges, stoves, &c., Apparatus for vaporizing and burning. Amalgamated Oil Gas Corporation. No. 122,415; Aug. 20; v. 253; p. 741.
Oil, Linseed-. National Lead Company. No. 121,319; Apr. 23; v. 249; p. 981.
Oil, Lubricating-. Earle C. Anthony, Inc. No. 123,533; Nov. 19; v. 256; p. 639.
Oil, Lubricating-. Standard Oil Company. No. 123,169; Oct. 15; v. 255; p. 607.
Oil, Lubricating-. The Star Oil Company. Nos. 122,288–9; July 16; v. 252; p. 742.
Oil, Lubricating-. Swan & Finch Co. Nos. 120,791–6; Mar. 5; v. 248; p. 232.
Oil, Motor fuel-. West India Oil Company. No. 123,675; Nov. 19; v. 256; p. 643.
Oil, Motor-lubricating. Marshall-Wells Company. No. 124,020; Dec. 31; v. 257; p. 1076.
Oil-muslin and rubber sheeting. Bauer and Black. No. 121,154; Apr. 16; v. 249; p. 735.
Oil, Olive-. G. P. Papadopulos. No. 121,487; Apr. 30; v. 249; p. 1220.
Oil, Olive-. P. Pastene & Co. No. 121,942; June 11; v. 251; p. 460.
Oil, Olive-. L. E. Schoenfeld. No. 123,282; Oct. 22; v. 255; p. 826.
Oil particularly for metal-cutting. Swan & Finch Co. No. 121,221; Apr. 16; v. 249; p. 737.
Oil, Peanut-. R. U. Delapenha & Co. No. 123,575; Nov. 19; v. 256; p. 640.
Oil, Peanut-. Sea Island Cotton Oil Company. No. 123,651; Nov. 19; v. 256; p. 643.
Oil product for salads and cooking, Vegetable-. The N. K. Fairbank Company. No. 121,769; May 28; v. 250; p. 993.
Oil product for salads and cooking, Vegetable-. The N. K. Fairbank Company. No. 122,017; June 18; v. 251; p. 671.
Oil-rings made of metal, Engine, pump, and compressor. McQuay-Norris Mfg. Co. Nos. 120,757–8; Mar. 5; v. 248; p. 231.
Oil substitute, Linseed-. Pennsylvania Linseed Products Company. No. 121,650; May 14; v. 250; p. 511.
Oil used for making cores for castings, Synthetic linseed-. Pennsylvania Linseed Products Company. No. 122,738; Sept. 10; v. 254; p. 447.
Oil used in the treatment of iron, steel, &c., Quenching-. Wm. C. Robinson & Son Co. No. 121,338; Apr. 23; v. 249; p. 982.
Oils and greases. Crew Levick Company. No. 120,354; Feb. 5; v. 247; p. 238.
Oils and greases, Automobile lubricating. E. S. Hobson. No. 122,214; July 9; v. 252; p. 500.
Oils and greases, Certain named. Standard Oil Company. No. 122,349; July 23; v. 252; p. 958.
Oils and greases, Certain named. The White Eagle Petroleum Company. No. 121,989; June 11; v. 251; p. 461.
Oils and greases, Fuel and lubricating. Petroleum Refining Company. No. 122,813; Sept. 17; v. 254; p. 652.
Oils and greases, illuminating-oils, &c., Lubricating. Penn Oil Co. No. 124,040; Dec. 31; v. 257; p. 1077.
Oils and greases, Lubricating. Calumet Oil Company. No. 122,781; Sept. 17; v. 254; p. 651.
Oils and greases, Lubricating. Crew Levick Company. No. 123,572; Nov. 19; v. 256; p. 640.
Oils and greases, Lubricating. Pennsylvania Lubricating Company. No. 123,638; Nov. 19; v. 256; p. 642.
Oils and greases, Lubricating. The Portola Oil Company. No. 121,330; Apr. 23; v. 249; p. 982.
Oils and greases, Lubricating. The Star Oil Company. No. 121,963; June 11; v. 251; p. 460.
Oils, &c., Emulsifying agent for. Commonwealth Products Corporation. No. 123,984; Dec. 31; v. 257; p. 1075.
Oils for fuel, illuminating, or lubricating purposes, Palm, &c. African Association. No. 122,252; July 16; v. 252; p. 741.
Oils for lubricating wool fibers preparatory to spinning. Crew Levick Company. No. 123,939; Dec. 24; v. 257; p. 813.
Oils, Lubricating-. Bliven & Carrington. No. 121,251; Apr. 23; v. 249; p. 979.
Oils, Lubricating-. Bliven & Carrington. No. 122,427; Aug. 20; v. 253; p. 741.
Oils, Lubricating-. Bliven & Carrington. No. 123,089; Oct. 15; v. 255; p. 605.
Oils, Lubricating-. Detroit Soluble Oil Co. No. 121,602; May 14; v. 250; p. 510.
Oils, Lubricating-. A. W. Harris Oil Co. No. 123,595; Nov. 19; v. 256; p. 641.
Oils, Lubricating-. Holsam Company. No. 122,797; Sept. 17; v. 254; p. 652.
Oils, Lubricating-. J. C. Nourse. No. 120,414; Feb. 5; v. 247; p. 240.
Oils, Lubricating-. Petroleum Refining Company. No. 122,815; Sept. 17; v. 254; p. 652.
Oils, Lubricating-. Sinclair Refining Company. No. 121,960; June 11; v. 251; p. 460.
Oils, Lubricating-. Utah Oil Refining Company. No. 124,059; Dec. 31; v. 257; p. 1078.
Oils, lubricating-greases, gasolene, Transmission and motor. Wm. C. Robinson & Son Co. No. 121,659; May 14; v. 250; p. 511.
Oils, Olive, &c. J. H. Hakim & Co. No. 121,553; May 7; v. 250; p. 251.
Oils, petrolatums, and glycerinum petræ, Medicinal and wool. The Atlantic Refining Company. No. 120,060; Jan. 8; v. 246; p. 563.
Oils, Petroleum fuel-. Petroleum Refining Company. No. 122,814; Sept. 17; v. 254; p. 652.
Oils, soluble-oil bases, sulfonated, &c., oils for lubricating purposes, Soluble. National Oil Products Co. No. 121,927; June 11; v. 251; p. 459.
Oils, waxes, and greases. Galena-Signal Oil Company. No. 120,184; Jan. 15; v. 246; p. 820.
Oils, Wood-preserving. Forest Products Chemical Company. No. 120,090; Jan. 8; v. 246; p. 564.
Oiled textiles. B. M. Hovey. No. 122,480; Aug. 20; v. 253; p. 743.
Ointment and lotion for use as a remedy for eczema, acne, &c., also as a medicinal dressing. F. H. Young. No. 121,533; Apr. 30; v. 249; p. 1221.
Ointment, Foot-. R. C. Mason. No. 120,201; Jan. 15; v. 246; p. 820.
Ointment for eczema. T. Slavin. No. 122,105; June 25; v. 251; p. 836.
Ointment for old sores, eczema, burns, &c. D. Slavin. No. 120,785; Mar. 5; v. 248; p. 231.
Ointment for piles, cuts, burns, and eczema. Botacha Ointment Co. No. 122,127; July 2; v. 252; p. 241.
Ointment for relief of certain named affections. J. P. Killmer. No. 123,451; Nov. 12; v. 256; p. 448.
Ointment for rheumatism. Z. A. Einik. No. 123,898; Dec. 17; v. 257; p. 643.
Ointment for sprains, lumbago, &c. F. J. Stokien. No. 123,499; Nov. 12; v. 256; p. 449.
Ointment for treating goiters. W. H. Schuller. No. 122,920; Sept. 24; v. 254; p. 863.
Ointment or salve for old sores, cancers, new cuts, eczema, &c. M. J. Strong. No. 120,296; Jan. 29; v. 246; p. 1201.
Ointment used as a remedy for psoriasis, &c. J. C. Freter. No. 123,704; Dec. 3; v. 257; p. 187.
Ointments and preparations for piles, fistula, &c. Specific Research Laboratories. No. 123,863; Dec. 10; v. 257; p. 406.
Ointments and salves. Keystone Novelty Company. No. 122,886; Sept. 24; v. 254; p. 862.
Ointments for the treatment of the skin and scalp. Bliss Laboratories. No. 123,935; Dec. 24; v. 257; p. 813.
Oleaginous cooking compound. Magnolia Provision Company. No. 122,803; Sept. 17; v. 254; p. 652.
Oleomargarin. American Butterine Co. No. 121,120; Apr. 9; v. 249; p. 503.
Oleomargarin. Ammon & Person. No. 120,626; Feb. 19; v. 247; p. 743.
Oleomargarin. Ammon & Person. No. 120,813; Mar. 12; v. 248; p. 496.
Oleomargarin. Armour and Company. No. 120,316; Feb. 5; v. 247; p. 237.
Oleomargarin. Geo. P. Braun Company. No. 120,546; Feb. 19; v. 247; p. 741.
Oleomargarin. The Brooke Butterine Co. No. 123,326; Oct. 29; v. 255; p. 1049.
Oleomargarin. Brooke Butterine Co. No. 123,973; Dec. 31; v. 257; p. 1075.
Oleomargarin. Crown Margarin Company. No. 122,851; Sept. 24; v. 254; p. 861.
Oleomargarin. Holland Pure Food Company. No. 123,998; Dec. 31; v. 257; p. 1076.
Oleomargarin. The A. H. Kuhlemann Co. No. 122,888; Sept. 24; v. 254; p. 862.
Oleomargarin. John Morrell & Co. Nos. 120,893–5; Mar. 12; v. 248; p. 497.
Oleomargarin. Northern Cocoanut-Butter Company. No. 122,606; Aug. 27; v. 253; p. 950.
Oleomargarin. Nut Grove Butter Company. No. 121,324; Apr. 23 v. 249; p. 981.
Oleomargarin. The Ohio Butterine Co. No. 122,809; Sept. 17; v. 254; p. 652.
Oleomargarin. Providence Churning Company. No. 121,142; Apr. 9; v. 249; p. 503.
Oleomargarin. Swift and Company. Nos. 122,353–4; July 23; v. 252; p. 958.
Oleomargarin. Swift and Co. No. 122,623; Aug. 27; v. 253; p. 950.
Oleomargarin. Swift and Company. No. 122,828; Sept. 17; v. 254; p. 653.
Oleomargarin. Union Meat Company. No. 123,927; Dec. 17; v. 257; p. 644.
Oleomargarin, Nut. Swift and Company. No. 121,966; June 11; v. 251; p. 460.
Olives, Dried and cured. Marzo Brothers. No. 120,604; Feb. 19; v. 247; p. 743.
Ophthalmic mountings and parts thereof. American Optical Company. No. 122,176; July 9; v. 252; p. 499.
Ophthalmic mountings, parts, and fixtures. Uhlemann Optical Co. No. 121,363; Apr. 23; v. 249; p. 983.
Optical instrument. N. A. Shigon. No. 124,053; Dec. 31; v. 257; p. 1078.
Oranges. Stewart Fruit Co. No. 120,915; Mar. 12; v. 248; p. 498.

Oranges, lemons, and grape-fruit. Cobb and Dofflemyer. No. 120,841; Mar. 12; v. 248; p. 495.
Oranges, lemons, cantaloups, grape-fruit. Hunt, Hatch & Company. Nos. 120,868–9; Mar. 12; v. 248; p. 496.
Oranges, lemons, grape-fruit. Cobb and Dofflemyer. No. 121,596; May 14; v. 250; p. 509.
Oranges, lemons, grape-fruit. San Fernando Heights Lemon Co. No. 120,640; Feb. 19; v. 247; p. 744.
Oranges, lemons, grape-fruit, Fresh. P. L. Cuccia Fruit Co. Nos. 122,956–7; Oct. 1; v. 255; p. 157.
Ore, Mineral. J. J. Bowden, Sr. No. 121,859; June 11; v. 251; p. 457.
Organ published monthly, House. Stephens-Adamson Mfg. Co. No. 123,289; Oct. 22; v. 255; p. 826.
Organs and orchestrions, Pneumatically-operated. American Photo Player Company. No. 123,082; Oct. 15; v. 255; p. 605.
Overall and coat combined. Louis Lewin Co. No. 120,981; Mar. 19; v. 248; p. 764.
Overalls. Hickory Overall Company. No. 123,997; Dec. 31; v. 257; p. 1076.
Overalls and coats. Baltimore Bargain House. No. 122,567; Aug. 27; v. 253; p. 949.
Overalls and work-clothes. N. B. Tichenor. No. 121,516; Apr. 30; v. 249; p. 1221.
Overalls, aprons, and outer garments for protection of inner garments. Jiffy-All Corporation. No. 122,710; Sept. 10; v. 254; p. 446.
Overalls, coats, work-shirts, and pants. The Winder Manufacturing Co. No. 121,841; May 28; v. 250; p. 996.
Overalls for ladies and children. Smarte Garment Company. No. 120,910; Mar. 12; v. 248; p. 498.
Overalls for women. Sweet-Orr & Co. No. 120,123; Jan. 8; v. 246; p. 565.
Overalls, Men's. Finch, Van Slyck & McConville. Nos. 123,220–1; Oct. 22; v. 255; p. 824.
Overalls, Men's and boys'. Cohn, Goldwater & Company. No. 123,565; Nov. 19; v. 256; p. 640.
Overalls, Women's. Levi Strauss & Co. No. 123,290; Oct. 22; v. 255; p. 826.
Overcoats. K. Katz & Sons. No. 121,783; May 28; v. 250; p. 994.
Overcoats, blouses, trousers, caps, &c. The Schulman Company. No. 121,501; Apr. 30; v. 249; p. 1220.
Oxygen or any other gases under pressure for hypodermic injections, Apparatus for delivering. R. de Knyff. No. 121,415; Apr. 30; v. 249; p. 1218.
Pacifiers. Julius Schmid, Incorporated. No. 121,661; May 14; v. 250; p. 511.
Packing, Asbestos machinery. The Danubil Co. No. 122,857; Sept. 24; v. 254; p. 861.
Packing, Composition machinery. Ferguson & Timpson. No. 121,177; Apr. 16; v. 249; p. 735.
Packing, Composition machinery. Ferguson & Timpson. No. 122,451; Aug. 20; v. 253; p. 742.
Packing, Metallic. Crane Packing Company. No. 121,047; Apr. 2; v. 249; p. 231.
Packing, Metallic. J. G. Strock. No. 122,113; June 25; v. 251; p. 837.
Packing-rings, Metallic. B. Byrns. No. 121,159; Apr. 16; v. 249; p. 735.
Paint and varnish remover. Safety First Manufacturing Co. No. 121,009; Mar. 19; v. 248; p. 765.
Paint and varnish remover. Schalk Chemical Company. No. 120,435; Feb. 5; v. 247; p. 241.
Paint, Anti-acid. Miller & McLean. No. 124,024; Dec. 31; v. 257; p. 1077.
Paint-colors. Imperial Color Works. No. 124,000; Dec. 31; v. 257; p. 1076.
Paint, Enamel. C. C. Burnett. No. 121,257; Apr. 23; v. 249; p. 979.
Paint, Enamel. The O'Brien Varnish Co. No. 123,151; Oct. 15; v. 255; p. 607.
Paint, Enamel. Phelan-Faust Paint Manufacturing Company. No. 120,422; Feb. 5; v. 247; p. 240.
Paint-filler. The Foy Paint Co. No. 120,376; Feb. 5; v. 247; p. 239.
Paint-oils, varnishes, driers, and fillers. The Tower Varnish & Dryer Company. No. 121,357; Apr. 23; v. 249; p. 982.
Paint-pigment, Zinc-oxid. The American Metal Company. No. 122,416; Aug. 20; v. 253; p. 741.
Paint-pigments. Mineral Refining and Chemical Corporation. No. 120,412; Feb. 5; v. 247; p. 240.
Paint, Ready-mixed. E. I. du Pont de Nemours Company. Nos. 123,110–11; Oct. 15; v. 255; p. 606.
Paint-remover. Tepper Briquette Binder, Inc. No. 121,970; June 11; v. 251; p. 461.
Paint, Roof and metal. Atlantic Paint & Varnish Works. No. 123,934; Dec. 24; v. 257; p. 813.
Paint-surfacer. Flood & Conklin Co. No. 121,611; May 14; v. 250; p. 510.
Paints. Atlantic Drier & Varnish Co. No. 122,421; Aug. 20; v. 253; p. 741.
Paints. The Globe Manufacturing Co. No. 122,460; Aug. 20; v. 253; p. 742.
Paints. A. Levin. No. 120,404; Feb. 5; v. 247; p. 240.
Paints. The Patterson-Sargent Company. No. 120,419; Feb. 5; v. 247; p. 240.
Paints. H. T. Reynolds. No. 121,951; June 11; v. 251; p. 460.
Paints and painters' materials, Certain named. Certainteed Products Company. No. 123,101; Oct. 15; v. 255; p. 605.
Paints and painters' materials, Certain named. Cribben & Sexton Company. No. 122,785; Sept. 17; v. 254; p. 651.
Paints and painters' materials, Certain named. Heath & Milligan Mfg. Co. No. 122,793; Sept. 17; v. 254; p. 651.
Paints and painters' materials, Certain named. Albert D. Howlett Company. No. 121,897; June 11; v. 251; p. 458.
Paints and painters' materials, Certain named. John T. Painter Company. No. 121,940; June 11; v. 251; p. 460.
Paints and painters' materials, Certain named. The Thomson Wood Finishing Co. No. 121,355; Apr. 23; v. 249; p. 982.
Paints and painters' materials, Certain named. Truscon Steel Company. No. 124,057; Dec. 31; v. 257; p. 1078.
Paints and painters' materials, Certain named. Henry Zimmern & Company. No. 122,362; July 23; v. 252; p. 959.
Paints and varnishes. The Beaver Varnish Company. No. 120,326; Feb. 5; v. 247; p. 237.
Paints, enamels, varnishes. Montauk Paint Manufacturing Company. No. 122,333; July 23; v. 252; p. 958.
Paints, Interior. The National Paint & Varnish Company. No. 121,641; May 14; v. 250; p. 511.
Paints, paint-oils, varnishes, and stains. The Hascall Paint Company. No. 120,385; Feb. 5; v. 247; p. 239.
Paints, pigments used in the manufacture of paints. The Ferro-Concrete Paint & Chemical Co. No. 121,883; June 11; v. 251; p. 458.
Paints, Ready-mixed. New Process Chemical Co. No. 123,149; Oct. 15; v. 255; p. 607.
Paints, Ready-mixed. Southern Roof Paint Company. No. 123,166; Oct. 15; v. 255; p. 607.
Paints, Ready-mixed. Standard Oil Company of New York. No. 120,444; Feb. 5; v. 247; p. 241.
Paints, varnishes, enamels, shellacs. The Globe Manufacturing Co. No. 120,970; Mar. 19; v. 248; p. 764.
Pajamas. Rogers Peet Company. Nos. 121,004–5; Mar. 19; v. 248; p. 765.
Pajamas. Rogers Peet Company. No. 121,007; Mar. 19; v. 248; p. 765.
Pajamas, night-robes, sleeping-garments. M. H. Lewis. No. 121,464; Apr. 30; v. 249; p. 1219.
Palliative for rheumatism. J. Varga. No. 121,365; Apr. 23; v. 249; p. 983.
Palm-seed kernels, rubber, ivory, gum-copal. African Association. No. 122,051; June 25; v. 251; p. 835.
Pamphlets and posters, Instruction-. The A. N. Palmer Company. Nos. 120,515–16; Feb. 12; v. 247; p. 476.
Paper. District of Columbia Paper Manufacturing Company. No. 122,267; July 16; v. 252; p. 741.
Paper and lead-pencils, Writing-. Peninsular Chemical Co. No. 120,284; Jan. 29; v. 246; p. 1200.
Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. No. 120,309; Feb. 5; v. 247; p. 237.
Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. No. 120,812; Mar. 12; v. 248; p. 495.
Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. No. 121,742; May 28; v. 250; p. 993.
Paper and paper towels, Toilet-. Wortendyke Manufacturing Co. No. 121,028; Mar. 19; v. 248; p. 766.
Paper and stationery, Certain named. Adams, Cushing & Foster. No. 123,410; Nov. 12; v. 256; p. 447.
Paper and stationery, Certain named. R. P. Andrews Paper Company. No. 123,685; Dec. 3; v. 257; p. 187.
Paper and stationery, Certain named. The Bankers Supply Company. No. 121,750; May 28; v. 250; p. 993.
Paper and stationery, Certain named. J. C. Blair Company. Nos. 121,242–7; Apr. 23; v. 249; p. 979.
Paper and stationery, Certain named. J. C. Blair Company. No. 121,581; May 14; v. 250; p. 509.
Paper and stationery, Certain named. J. C. Blair Company. No. 122,425; Aug. 20; v. 253; p. 741.
Paper and stationery, Certain named. J. C. Blair Company. No. 122,841; Sept. 24; v. 254; p. 861.
Paper and stationery, Certain named. J. C. Blair Company. Nos. 123,014–15; Oct. 8; v. 255; p. 361.
Paper and stationery, Certain named. B. L. Makepeace. No. 122,894; Sept. 24; v. 254; p. 862.
Paper and stationery, Certain named. Safepack Paper Mills. No. 121,339; Apr. 23; v. 249; p. 982.
Paper and stationery, Certain named. Safepack Paper Mills. No. 121,825; May 28; v. 250; p. 995.
Paper bags. J. W. Butler Paper Co. Nos. 122,572–4; Aug. 27; v. 253; p. 949.
Paper bags. J. W. Butler Paper Co. Nos. 122,676–8; Sept. 10; v. 254; p. 445.
Paper bags and boxes. Waltham Bag & Paper Company. No. 121,739; May 21; v. 250; p. 764.
Paper bags and boxes. Waltham Bag & Paper Company. No. 122,627; Aug. 27; v. 253; p. 951.
Paper-baler. H. H. Burns. No. 122,129; July 2; v. 252; p. 241.

Paper, Blotting-. Joseph Parker & Sons Company. No. 123,449; Nov. 12; v. 256; p. 448.
Paper, Blotting-. Joseph Parker & Son Company. No 123,635; Nov. 19; v. 256; p. 642.
Paper, Blotting-. Joseph Parker & Son Company. No. 123,921; Dec. 17; v. 257; p. 644.
Paper, Bond-. Boorum & Pease Company. No. 122,844; Sept. 24; v. 254; p. 861.
Paper, Bond-. West Virginia Pulp & Paper Company. No. 120,459; Feb. 5; v. 247; p. 241.
Paper, Bond-. West Virginia Pulp & Paper Company. No. 121,368; Apr. 23; v. 249; p. 983.
Paper, Bond-. West Virginia Pulp & Paper Company. No. 121,370; Apr. 23; v. 249; p. 983.
Paper, Bond-. West Virginia Pulp & Paper Company. No. 121,372; Apr. 23; v. 249; p. 983.
Paper, Bond-. The Whitaker Paper Company. No. 123,505; Nov. 12; v. 256; p. 450.
Paper-box stays, Gummed. Nashua Gummed and Coated Paper Company. No. 123,471; Nov. 12; v. 256; p. 449.
Paper boxes and drinking-cups, bonbon-cups, folding cartons, &c. E. E. Abrahams. No. 120,152; Jan. 15; v. 246; p. 819.
Paper briquets, Apparatus for making. W. A. Wetterwald. No. 121,366; Apr. 23; v. 249; p. 983.
Paper, Bristol-. West Virginia Pulp & Paper Company. No. 120,127; Jan. 8; v. 246; p. 565.
Paper, Carbon-. Remington Typewriter Company. Nos. 120,779–80; Mar. 5; v. 248; p. 231.
Paper, Carbon-. Remington Typewriter Company. No. 120,999; Mar. 19; v. 248; p. 765.
Paper, card-stock, envelops, Writing and printing. Zellerbach Paper Company. No. 121,998; June 11; v. 251; p. 461.
Paper, cardboards, envelops. R. P. Andrews Paper Company. No. 122,836; Sept. 24; v. 254; p. 861.
Paper, Certain named articles made wholly or in part of. Taylor & Hepp. No. 121,222; Apr. 16; v. 249; p. 737.
Paper-clips. Owl Supply Company. No. 122,336; July 23; v. 252; p. 958.
Paper, Coated book and magazine. West Virginia Pulp & Paper Co. No. 121,986; June 11; v. 251; p. 461.
Paper, Coated book and magazine. West Virginia Pulp & Paper Co. No. 122,558; Aug. 20; v. 253; p. 745.
Paper cutters and holders, Roll-. Parsons Trading Company. No. 122,155; July 2; v. 252; p. 242.
Paper, Enameled book-. Duboc Paper Company. No. 123,109; Oct. 15; v. 255; p. 606.
Paper, envelops, Lithographing, printing, and typewriting. Hamilton Card & Paper House. No. 123,038; Oct. 8; v. 255; p. 362.
Paper-filling material. Solvay Process Company. No. 123,862; Dec. 10; v. 257; p. 405.
Paper, Filter-. H. Reeve Angel & Co. Nos. 123,486–7; Nov. 12; v. 256; p. 449.
Paper in sheet form, Print-. The Mead Pulp and Paper Co. No. 120,988; Mar. 19; v. 248; p. 764.
Paper-knives, penholders, memorandum-tablets. The Celluloid Company. No. 122,264; July 16; v. 252; p. 741.
Paper pictures and designs, Outfits of. Milton Bradley Co. No. 120,610; Feb. 19; v. 247; p. 743.
Paper published monthly, Trade. H. W. Baumgartner. No. 122,949; Oct. 1; v. 255; p. 157.
Paper, Sheathing-. The Barrett Company. No. 122,300; July 23; v. 252; p. 957.
Paper tape, Gummed. Liberty Paper Co. No. 120,597; Feb. 19; v. 247; p. 742.
Paper, Toilet-. The Chatfield & Woods Company. No. 123,693; Dec. 3; v. 257; p. 187.
Paper, Toilet-. The John Hoberg Co. No. 121,298; Apr. 23; v. 249; p. 981.
Paper, Toilet-. The John Hoberg Co. Nos. 122,144–5; July 2; v. 252; p. 241.
Paper, Toilet-. The John Hoberg Co. No. 122,322; July 23; v. 252; p. 957.
Paper, Toilet-. Sauquoit Toilet Paper Co. No. 120,115; Jan. 8; v. 246; p. 565.
Paper, Toilet-. Sauquoit Toilet Paper Co. No. 120,905; Mar. 12; v. 248; p. 497.
Paper, Toilet-. Sauquoit Toilet Paper Co. No. 121,826; May 28; v. 250; p. 995.
Paper, Toilet-. The Union Paper and Twine Company. No. 122,292; July 16; v. 252 p. 742.
Paper, Tracing-. Cardinell-Vincent Company. No. 120,946; Mar. 19; v. 248; p. 763.
Paper, Tracing-. G. Vincent. No. 121,108; Apr. 2; v. 249; p. 233.
Paper twine and cable-filling and seaming cords. Gates Paper Twine Co. No. 121,889; June 11; v. 251; p. 458.
Paper twine and cord. Grand Rapids Fibre Cord Co. No. 123,347; Oct. 29; v. 255; p. 1050.
Paper, Wall-. Harmon Paper Company. No. 123,445; Nov. 12; v. 256; p. 448.
Paper, Wall-. W. H. S. Lloyd Co. No. 120,600; Feb. 19; v. 247; p. 743.
Paper, Waterproof blasting-. The Whitaker Paper Company. No. 120,922; Mar. 12; v. 248; p. 498.
Paper, Wrapping-. Crown Willamette Paper Company. Nos. 122,853–4; Sept. 24; v. 254; p.861.
Papers, Wrapping-. Diamond State Fibre Company. No. 123,432; Nov. 12; v. 256; p. 447.
Paper, Wrapping-. L. K. Mallinckrodt. No. 123,619; Nov. 19; v. 256; p. 642.
Paper, Wrapping-. L. K. Mallinckrodt. No. 123,735; Dec. 3; v. 257; p. 188.
Paper, Wrapping-. The Union Paper and Twine Company. No. 122,291; July 16; v. 252; p. 742.
Paper, Writing-. Fox River Paper Co. Nos. 120,091–3; Jan. 8; v. 246; p. 564.
Paper, Writing-. Fox River Paper Co. No. 120,567; Feb. 19; v. 247; p. 742.
Paper, Writing-. W. K. Gerbrick. No. 122,872; Sept. 24; v. 254; p. 862.
Paper, Writing-. West Virginia Pulp & Paper Company. No. 120,126; Jan. 8; v. 246; p. 565.
Paper, Writing-. West Virginia Pulp & Paper Company. No. 121,371; Apr. 23; v. 249; p. 983.
Paper, Writing-. West Virginia Pulp & Paper Company. No. 121,373; Apr. 23; v. 249; p. 983.
Paper, Writing and printing. Whiting-Plover Paper Company. No. 121,992; June 11; v. 251; p. 461.
Paper, Writing, printing, and wrapping. M. E. Myers. No. 122,515; Aug. 20; v. 253; p. 744.
Papers, Printing and writing. Whiting-Plover Paper Company. No. 120.925; Mar. 12; v. 248; p. 498.
Papers, type-writer ribbons, inks, Carbon-. Caribonum Company. No. 122,187; July 9; v. 252; p. 499.
Papers, Wrapping-. Union Bag & Paper Corporation. Nos. 123,766–7; Dec. 3; v. 257; p. 189.
Papers, Wrapping and tracing. Diamond State Fibre Company. No. 120,563; Feb. 19; v. 247; p. 741.
Papers, Writing-. West Virginia Pulp & Paper Company. No. 121,369; Apr. 23; v. 249; p. 983.
Papers, Writing and printing. Beekman Paper and Card Company. No. 122,178; July 9; v. 252; p. 499.
Papers, Writing and printing. Lasher & Lathrop. No. 123,828; Dec. 10; v. 257; p. 404.
Papeteries and writing-tablets. Druggists' Supply Corporation. No. 121,881; June 11; v. 251; p. 458.
Parts of cutlery and machinery, Certain named. Celluloid Company. No. 123,097; Oct. 15; v. 255; p. 605.
Paste products, Alimentary. Vineland Preserving Company. No. 122,357; July 23; v. 252; p. 958.
Pastry cones for water-ices and ice-cream, ice-cream cones, &c. J. J. Snigo. No. 120,643; Feb. 19; v. 247; p. 744.
Patch, Self-vulcanizing. R. K. Carruth. No. 121,122; Apr. 9; v. 249; p. 503.
Patches for repairing inner tubes and tire-casings, &c. W. C. Wood. No. 120,296; Mar. 12; v. 248; p. 498.
Pay-roll scheduling, money paying, registering, &c., machines. International Money Machine Co. No. 122,487; Aug. 20; v. 253; p. 743.
Pea-beans, Dried white. E. L. Wellman. No. 122,833; Sept. 17; v. 254; p. 653.
Peaches and apples, Fresh. C. A. & E. B. Hawkins. No. 122,968; Oct. 1; v. 255; p. 157.
Peanut oil, cake, and meal for use as foods. Peter Oil and Refining Co. No. 124,041; Dec. 31; v. 257; p. 1077.
Peanuts and peanut-bars, Salted. Planters Nut & Chocolate Co. No. 120,628; Feb. 19; v. 247; p. 743.
Peanuts and peanut-bars, Salted. Planters Nut & Chocolate Co. No. 121,818; May 28; v. 250; p. 995.
Peanuts, Salted. W. R. Pope. No. 121,141; Apr. 9; v. 249; p. 503.
Peanuts, walnuts, pecans, &c., Shelled. Harold B. Pinder & Co. No. 120,423; Feb. 5; v. 247; p. 240.
Peanuts, Whole blanched salted. Planters Nut & Chocolate Co. No. 121,140; Apr. 9; v. 249; p. 503.
Pears, Fresh. G. W. Emmons Company. No. 123,581; Nov. 19; v. 256; p. 640.
Pectoral compound for coughs, asthma, &c. Lanman & Kemp. No. 123,611; Nov. 19; v. 256; p. 641.
Pencil and pen clasps, paper-fasteners, and envelop-moisteners. Argus Manufacturing Company. No. 120,056; Jan. 8; v. 246; p. 563.
Pencil-sharpeners. Automatic Pencil Sharpener Company. No. 120,933; Mar. 19; v. 248; p. 763.
Pencils, Lead. Eagle Pencil Company. No. 120,082; Jan. 8; v. 246; p. 564.
Pens and pen-points, magazine lead-pencils, and the holders and leads, Fountain-. Wahl Adding Machine Company. No. 122,401; July 30; v. 252; p. 1140.
Pens, Fountain-. Cleeland Inshuro Pen Company. No. 122,307; July 23; v. 252; p. 957.
Pens, Fountain-. De Luxe Mfg. Co. No. 121,416; Apr. 30; v. 249; p. 1218.
Pens, Fountain-. The Evans Dollar Pen Company. No. 122,870; Sept. 24; v. 254; p. 862.
Pens, Fountain-. Mabie, Todd & Co. No. 120,603; Feb. 19; v. 247; p. 743.
Pens, Fountain-. Mabie, Todd & Co. No. 122,278; July 16; v. 252; p. 742.
Pens, Fountain-. Marshall Field & Co. No. 123,838; Dec. 10; v. 257; p. 405.
Pens, penholders, lead and graphite pencils, &c., Steel. A. M. Malouf. No. 120,408; Feb. 5; v. 247; p. 240.
Perfume, toilet water, face powder and cream, &c. The Baldwin Perfumery Co. No. 120,543; Feb. 19; v. 247; p. 741.

Perfume, toilet water, sachet, face-powder, &c. The Baldwin Perfumery Co. No. 120,239; Jan. 29; v. 246; p. 1199.
Perfumes. The Crown Perfumery Company. No. 122,852; Sept. 24; v. 254; p. 861.
Perfumes. T. G. Hitt. No. 122,143; July 2; v. 252; p. 241.
Perfumes. Yardley & Co. Nos. 123,513–24; Nov. 12; v. 256; p. 450.
Perfumes. Yardley & Co. No. 123,881; Dec. 10; v. 257; p. 406.
Perfumes, face-powders, hair-tonics, &c. Yardley & Co. No. 121,532; Apr. 30; v. 249; p. 1221.
Perfumes, face-powders, toilet waters. Frederick Stearns & Co. No. 121,105; Apr. 2; v. 249; p. 233.
Perfumes, sachet, face, and talcum powders, &c. The C. B. Woodworth Sons Corporation. No. 120,465; Feb. 5; v. 247; p. 241.
Perfumes, toilet waters and creams, powders, sachets. Peninsular Chemical Co. No. 120,420; Feb. 5; v. 247; p. 240.
Perfumes, toilet waters, &c., Extract. A. J. Hilbert & Co. No. 122,877; Sept. 24; v. 254; p. 862.
Perfumes, toilet water, face-powders. J. R. Watkins Medical Co. No. 121,984; June 11; v. 251; p. 461.
Perfumes, toilet waters, toilet creams, &c., Liquid and powdered. Colgate & Co. No. 120,348; Feb. 5; v. 247; p. 238.
Perfumery. Lundborg Company. Nos. 122,508–10; Aug. 20; v. 253; p. 744.
Perfumery. Société Chimnique des Usines du Rhone (Anciennement Gilliard P. Monnet et Cartier.) No. 122,924; Sept. 24; v. 254; p. 863.
Perfumery, cosmetics, &c. Tanty, Incorporated. No. 123,925; Dec. 17; v. 257; p. 644.
Perfumery, talcum powder, toilet water, &c. McKesson & Robbins. No. 123,943; Dec. 24; v. 257; p. 813.
Periodical. H. M. Van Hoesen, Inc. No. 123,928; Dec. 17; v. 257; p. 644.
Periodical, Fortnightly. The National Army News Company. No. 121,200; Apr. 16; v. 249; p. 736.
Periodical, Monthly. The Denver Alfalfa Milling & Products Co. No. 122,958; Oct. 1; v. 255; p. 157.
Periodical, Monthly. International Textbook Company. No. 122,488; Aug. 20; v. 253; p. 743.
Periodical, Monthly. Pacific Coast Publishing Company. No. 121,202; Apr. 16; v. 249; p. 736.
Periodical, Monthly. Protective Signal Manufacturing Company. No. 123,274; Oct. 22; v. 255; p. 825.
Periodical, Monthly. United Drug Company. No. 120,530; Feb. 12; v. 247; p. 477.
Periodical, Monthly. The Walker-Wadsworth Company. No. 122,552; Aug. 20; v. 253; p. 745.
Periodical or magazine published monthly. Northwestern Electric Equipment Company. No. 120,686; Feb. 26; v. 247; p. 962.
Periodical published monthly. Periodical Publishing Co. No. 120,901; Mar. 12; v. 248; p. 497.
Periodical, Weekly. Waco Motor Truck Company. No. 123,873; Dec. 10; v. 257; p. 406.
Periodicals, Monthly. E. P. Armstrong. No. 120,815; Mar. 12; v. 248; p. 495.
Periodicals, Monthly. Thomas A. Edison, Incorporated. No. 122,073; June 25; v. 251; p. 835.
Periodicals, Monthly. H. O. Harris. No. 123,813; Dec. 10; v. 257; p. 404.
Periodicals, Weekly. C. W. Flodin. No. 120,669; Feb. 26; v. 247; p. 961.
Petroleum and asphalt. Carib Syndicate. No. 122,186; July 9; v. 252; p. 499.
Petroleum and petroleum products. The Caribbean Petroleum Company. No. 120,947; Mar. 19; v. 248; p. 763.
Petroleum products. Pierce Oil Corporation. No. 122,232; July 9; v. 252; p. 500.
Petroleum products, Certain named. Standard Oil Company. No. 120,787; Mar. 5; v. 248; p. 231.
Petticoats. Simon & Mendelsohn. No. 121,505; Apr. 30; v. 249; p. 1220.
Petticoats, Children's. E. H. Horwood & Co. No. 122,024; June 18; v. 251; p. 671.
Pharmaceutical preparation. John J. McNulty, M. D. No. 123,837; Dec. 10; v. 257; p. 405.
Pharmaceutical preparation. Stadt and Kremer. No. 120,911; Mar. 12; v. 248; p. 498.
Pharmaceutical preparation to be used as antipyretics, anesthetics, analgesics, Certain. Society of Chemical Industry in Basle. No. 121,219; Apr. 16; v. 249; p. 737.
Pharmaceutical preparations, Certain named. The C. L. Cotton Perfume & Extract Co. No. 120,353; Feb. 5; v. 247; p. 238.
Pharmaceutical preparations, Certain named. Society of Chemical Industry in Basle. No. 123,492; Nov. 12; v. 256; p. 449.
Pharmaceutical preparations for toilet purposes, Certain named. Harriet Hubbard Ayer. Nos. 123,885–6; Dec. 17; v. 257; p. 643.
Pharmaceutical preparations for toilet purposes, Certain named. H. J. Titus. No. 122,399; July 30; v. 252; p. 1140.
Pharmaceutical products. Society of Chemical Industry in Basle. No. 122,754; Sept. 10; v. 254; p. 448.
Pharmaceutical products. Society of Chemical Industry in Basle. No. 122,756; Sept. 10; v. 254; p. 448.
Phenolic condensation product for certain named uses. Redmanol Chemical Products Co. No. 122,529; Aug. 20; v. 253; p. 744.
Phonograph-needles. Gloria Phonograph Supply Co. No. 122,874; Sept. 24; v. 254; p. 862.
Phonographs. F. Cirelli. No. 122,441; Aug. 20; v. 253; p. 741.
Phonographs. Knaack Brothers. No. 123,137; Oct. 15; v. 255; p. 606.
Phonographs. Royal Phonograph Company. No. 122,285; July 16; v. 252; p. 742.
Phonographs. Vitanola Talking Machine Co. No. 120,303; Jan. 29; v. 246; p. 1201.
Phonographs and phonograph-records. United Phonographs Corporation. No. 121,022; Mar. 19; v. 248; p. 765.
Phonographs and their parts. Hoffay Talking Machine Company. No. 121,778; May 28; v. 250; p. 994.
Phonographs, phonograph motors and parts. L. Markels. No. 120,892; Mar. 12; v. 248; p. 497.
Phonographs, phonograph records and needles. A. H. Rintelman. No. 123,755; Dec. 3; v. 257; p. 189.
Phonographic records for talking-machines. Lyraphone Company of America. No. 120,875; Mar. 12; v. 248; p. 497.
Phonographic records for talking-machines. Lyraphone Company of America. No. 121,194; Apr. 16; v. 249; p. 736.
Photographic developer. Eastman Kodak Company. No. 123,702; Dec. 3; v. 257; p. 187.
Photographic developers. P. C. Christensen. No. 122,304; July 23; v. 252; p. 957.
Photographic dry-plates. Eastman Kodak Company. No. 120,179; Jan. 15; v. 246; p. 819.
Photographic film. Eastman Kodak Co. No. 122,787; Sept. 17; v. 254; p. 651.
Photographic films, plates, and papers, Developing agent for treating. The Chilcote-Sargent Co. No. 121,123; Apr. 9; v. 249; p. 503.
Photographic paper. Commercial Camera Company. No. 121,876; June 11; v. 251; p. 458.
Photographic paper. Eastman Kodak Company. No. 120,363; Feb. 5; v. 247; p. 238.
Photographic paper. Eastman Kodak Company. No. 121,606; May 14; v. 250; p. 510.
Photographic paper. Eastman Kodak Company. No. 122,200; July 9; v. 252; p. 499.
Photographic paper. Eastman Kodak Company. No. 123,214; Oct. 22; v. 255; p. 824.
Photographic portraits and pictures. The Eagle Photo Studio. No. 122,448; Aug. 20; v. 253; p. 742.
Photographic-printing frames. Eastman Kodak Co. No. 120,964; Mar. 19; v. 248; p. 764.
Photographic X-ray-film mountings. John McIntosh Company. No. 120,982; Mar. 19; v. 248; p. 764.
Photographs. T. C. Marceau. No. 121,196; Apr. 16; v. 249; p. 736.
Photographs and prints, Reproductions of. Phototones Incorporated. No. 120,521; Feb. 12; v. 247; p. 476.
Piano, woodwork, furniture, automobile, &c., polish. The Reichert Chemical & Mfg. Co. No. 121,656; May 14; v. 250; p. 511.
Pianos. C. B. Clemons Co. No. 120,847; Mar. 12; v. 248; p. 496.
Pianos. Christian Kurtzmann, Incorporated. No. 121,071; Apr. 2; v. 249; p. 232.
Pianos. Lyon & Healy. No. 123,141; Oct. 15; v. 255; p. 607.
Pianos and organs. S. N. Swan & Sons. No. 122,927; Sept. 24; v. 254; p. 863.
Pianos and player-pianos. Jacob Doll & Sons. No. 122,885; Sept. 24; v. 254; p. 862.
Pianos and player-pianos. Hobbie Bros. Company. No. 122,321; July 23; v. 252; p. 957.
Pianos, organs, &c. Standard Pneumatic Action Company. Nos. 123,495–6; Nov. 12; v. 256; p. 449.
Pianos, organs, player-pianos, &c. Autoplano Company. No. 122,257; July 16; v. 252; p. 741.
Pianos, player-pianos, talking-machines. Steger & Sons Piano Manufacturing Co. No. 121,018; Mar. 19; v. 248; p. 765.
Pianofortes, player-pianos, &c. Jacob Doll & Sons. No. 123,027; Oct. 8; v. 255; p. 361.
Pick handles, Coal-. Beall Brothers. No. 120,322; Feb. 5; v. 247; p. 237.
Pickle. Gillard & Co. No. 123,706; Dec. 3; v. 257; p. 187.
Picture films, Motion-. First National Exhibitors Circuit. No. 122,454; Aug. 20; v. 253; p. 742.
Picture films, Motion-. Majestic Motion Picture Company. No. 121,635; May 14; v. 250; p. 511.
Picture films, Motion-. Manhattan Studios. No. 120,984; Mar. 19; v. 248; p. 764.
Picture films, Motion-. Mutual Film Corporation. No. 122,807; Sept. 17; v. 254; p. 652.
Picture films, Motion-. Paralta Plays. No. 122,228; July 9; v. 252; p. 500.
Picture films, Motion-. Piedmont Pictures Corporation of New York. No. 121,329; Apr. 23; v. 249; p. 982.

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Picture films, Motion-. The Thos. H. Ince Corporation. No. 121,623; May 14; v. 250; p. 510.
Picture films, Moving-. Goldwyn Pictures Corporation. No. 122,458; Aug. 20; v. 253; p. 742.
Picture films, Moving-. Goldwyn Pictures Corporation. No. 123,995; Dec. 31; v. 257; p. 1076.
Picture films, Moving-. Mutual Export & Import Corp. No. 120,208; Jan. 15; v. 246; p. 820.
Picture-hanging device. The Buffalo-Dehn Company. No. 120,337; Feb. 5; v. 247; p. 238.
Picture-machine films, Moving-. Wholesome Films Corporation. No. 120,462; Feb. 5; v. 247; p. 241.
Picture machines, Motion-. Camo Corporation. No. 121,867; June 11; v. 251; p. 457.
Picture photoplays, Series of motion-. Jewel Productions. No. 120,394; Feb. 5; v. 247; p. 239.
Picture projectors, Moving-. De Vry Corporation. No. 123,576; Nov. 19; v. 256; p. 640.
Pictures, art and novelty calendars. Mueller Brothers Art and Manufacturing Company. No. 121,639; May 14; v. 250; p. 511.
Pillows. The Billow Washable Pillow Company. No. 120,009; Jan. 1; v. 246; p. 297.
Pills and ampuls for treatment of tubercular affections. The Amen Chemical Scientific Institute. No. 121,233; Apr. 23; v. 249; p. 979.
Pills for liver disorders. E. R. Kellough. No. 123,450; Nov. 12; v. 256; p. 448.
Pills, Tonic. L. S. Chadwick. No. 123,937; Dec. 24; v. 257; p. 813.
Pineapples in cans, Sliced. West Indies Packing Company. No. 121,149; Apr. 9; v. 249; p. 503.
Pins and thumb-tacks, Push-. Moore Push Pin Company. No. 121,638; May 14; v. 250; p. 511.
Pins, Safety-. Consolidated Safety Pin Co. No. 121,410; Apr. 30; v. 249; p. 1217.
Pins, Safety-. Consolidated Safety Pin Co. Nos. 122,192–3; July 9; v. 252; p. 499.
Pins, Safety-. Consolidated Safety Pin Co. No. 123,428; Nov. 12; v. 256; p. 447.
Pins, Safety-. Samstag & Hilder Bros. No. 121,010; Mar. 19; v. 248; p. 765.
Pipe-bits and cigar-holders. Celluloid Company. No. 123,098; Oct. 15; v. 255; p. 605.
Pipe, Wooden. Pacific Creosoting Company. No. 120,283; Jan. 29; v. 246; p. 1200.
Pipes. Kaufmann Bros. & Bondy. No. 122,712; Sept. 10; v. 254; p. 446.
Pipes, cigar and cigarette holders, tobacco-pouches, &c. Kaufmann Bros. & Bondy. No. 120,584; Feb. 19; v. 247; p. 742.
Pipes, Smoking-. S. Heimberg. No. 120,575; Feb. 19; v. 247; p. 742.
Piston packing-rings. Vulcan Machine & Tool Company. No. 122,118; June 25; v. 251; p. 837.
Piston-rings. Double Eccentric Piston Ring Corporation. No. 120,177; Jan. 15; v. 246; p. 819.
Piston-rings. Iron City Products Company. No. 123,246; Oct. 22; v. 255; p. 825.
Piston-rings. Pennsylvania Piston Ring Co. No. 120,900; Mar. 12; v. 248; p. 497.
Planters, Cotton and corn. J. D. Schofield. No. 124,052; Dec. 31; v. 257; p. 1078.
Plants and flowers, bulbs, roots, seeds, vines, and trees, Growing and cut. K. N. Tomkins. No. 120,125; Jan. 8; v. 246; p. 565.
Plants, flowers, &c., Food and tonic for. Geo. A. Lippincott. No. 121,913; June 11; v. 251; p. 459.
Plaster composition. The Bedford Silica Sand Company. No. 120,474; Feb. 12; v. 247; p. 475.
Plaster, Corn-. F. L. Rousseau. No. 121,097; Apr. 2; v. 249; p. 233.
Plasters for treating cancers. The H. M. B. Company. No. 120,097; Jan. 8; v. 246; p. 564.
Plastic and liquid substances for repairing roofs. Sears, Roebuck and Co. No. 121,211; Apr. 16; v. 249; p. 737.
Plastic compositions. A. E. Minium. No. 122,727; Sept. 10; v. 254; p. 447.
Plumbing fixtures and supplies, Certain named. Haines, Jones & Cadbury Co. No. 123,593; Nov. 19; v. 256; p. 641.
Plumbing ware with vitreous-enamel coating, Cast-metal. Kohler Co. No. 121,305; Apr. 23; v. 249; p. 981.
Plushes. Collins & Aikman Company. No. 123,206; Oct. 22; v. 255; p. 823.
Pneumatic tubes, Puncture-sealing preparation for. Tubo Mfg. Co. No. 123,503; Nov. 12; v. 256; 450.
Pocket and heart or body protector, Safety-. J. Nathan. No. 123,262; Oct. 22; v. 255; p. 825.
Polishing-cloths. Crew Levick Company. No. 121,168; Apr. 16; v. 249; p. 735.
Polishing-preservative in the nature of furniture-polish. M. Cunningham. No. 123,107; Oct. 15; v. 255; p. 606.
Popcorn. C. Cretors. No. 122,068; June 25; v. 251; p. 835.
Popcorn, Shelled. H. A. Kesting. No. 123,360; Oct. 29; v. 255; p. 1050.
Portfolios, pocket-books, purses, hand-bags. Von Der Heyde & John. No. 123,717; Dec. 3; v. 257; p. 188.
Post-cards and photograph-prints. G. Butler. No. 121,041; Apr. 2; v. 249; p. 231.
Potato chips. T. S. Frankenthal. No. 123,339; Oct. 29; v. 255; p. 1050.
Potatoes. Louis Distributing Company. No. 123,829; Dec. 10; v. 257; p. 404.
Potatoes. Louis Distributing Company. No. 123,914; Dec. 17; v. 257; p. 644.
Potatoes, Fresh. Beaufort Truck Growers Association. No. 121,539; May 7; v. 250; p. 251.
Poultry and stock regulators. Harlan Products Company. No. 121,295; Apr. 23; v. 249; p. 981.
Poultry laying-tonic and a remedy for roup and cholera. E. F. W. Boldt. No. 121,240; Apr. 23; v. 249; p. 979.
Powder and rouge, Face-. A. Bourjois & Co. No. 120,710; Mar. 5; v. 248; p. 229.
Powder, Depilatory. M. Hilgers. No. 123,351; Oct. 29; v. 255; p. 1050.
Powder, Face-. A. Bourjois & Co. No. 122,674; Sept. 10; v. 254; p. 445.
Powder, Face-. L. Gawurin. No. 122,139; July 2; v. 252; p. 241.
Powder, Face-. Hall & Ruckel. No. 121,714; May 21; v. 250; p. 763.
Powder, Face-. Dr. P. Sylvestre. No. 123,867; Dec. 10; v. 257; p. 406.
Powder, Face-. W. A. Todd, Jr. No. 120,124; Jan. 8; v. 246; p. 565.
Powder, Face or complexion. Annza Mfg. Co. No. 123,775; Dec. 10; v. 257; p. 403.
Powder, Foot-. Lynn Rubber Manufacturing Company. No. 121,193; Apr. 16; v. 249; p. 736.
Powder, Foot-. G. E. Moray. No. 121,722; May 21; v. 250; p. 764.
Powder for the relief of excessive perspiration. H. E. Errickson. No. 122,449; Aug. 20; v. 253; p. 742.
Powder for use in the treatment of diseased conditions of mucous membrane, &c., Healing prophylactic. J. Bier, M. D. No. 122,367; July 30; v. 252; p. 1139.
Powder, Medicated foot-. J. L. McKenna. No. 122,719; Sept. 10; v. 254; p. 446.
Powder, perfumery, and cold-cream, Talcum. John T. Stanley Co. No. 121,102; Apr. 2; v. 249; p. 233.
Powder, Roach-. Royal Exterminating Products. No. 122,994; Oct. 1; v. 255; p. 158.
Powder, Talcum. Potter Drug & Chemical Corporation. No. 123,384; Oct. 29; v. 255; p. 1051.
Powder, Toilet. R. L. Fitch. No. 123,806; Dec. 10; v. 257; p. 404.
Powder, toilet waters, perfumes, &c., Face-. A. Bourjois & Co. No. 120,709; Mar. 5; v. 248; p. 229.
Powder, toilet waters, rouge, &c., Face-. A. Bourjois & Co. No. 121,397; Apr. 30; v. 249; p. 1217.
Powders and pomade, Face, &c. A. Plough. No. 123,952; Dec. 24; v. 257; p. 813.
Powders, Face and talcum. A. S. Hinds. No. 122,320; July 23; v. 252; p. 957.
Powders, Face and talcum. Nelson Baker & Company. No. 123,473; Nov. 12; v. 256; p. 449.
Power-transmission attachments for motor-vehicles. Autopower Company. No. 121,578; May 14; v. 250; p. 509.
Precious metal, Articles made wholly of or plated with. Cohn & Rosenberger. No. 121,162; Apr. 16; v. 249; p. 735.
Precious metal, Articles made wholly or partly of or plated with. Dinhofer Bros. No. 121,172; Apr. 16; v. 249; p. 735.
Precious metal, Certain named articles having parts of or plated with. Landers, Frary & Clark. No. 120,031; Jan. 1; v. 246; p. 297.
Precious metal, Certain named articles made wholly or partly of or plated with. The Kalo Shop. No. 121,185; Apr. 16; v. 249; p. 736.
Precious metals, Certain named articles made of. American Optical Company. No. 123,414; Nov. 12; v. 256; p. 447.
Precious or plated metal, Certain named articles made of. The James E. Blake Co. No. 122,842; Sept. 24; v. 254; p. 861.
Preparation and a liniment for the treatment of corns, rheumatism, &c. H. W. Moyer. No. 120,207; Jan. 15; v. 246; p. 820.
Preparation for alleviation of affections of the throat and bronchial tubes. C. J. Jerome. No. 121,625; May 14; v. 250; p. 510.
Preparation for biliousness. J. H. Fribley. No. 122,078; June 25; v. 251; p. 835.
Preparation for certain named ailments. J. P. McGrath. No. 120,144; Jan. 8; v. 246; p. 565.
Preparation for certain named diseases. M. A. Duncan. No. 120,178; Jan. 15; v. 246; p. 819.
Preparation for certain named purposes, Chemical. The Continental Chemical Company. No. 123,426; Nov. 12; v. 256; p. 447.
Preparation for cleaning certain named materials, and a metal-polish. Howard & Company. No. 123,719; Dec. 3; v. 257; p. 188.
Preparation for cleaning the scalp and pressing and cleaning the hair. Mrs. M. Starnes. No. 122,111; June 25; v. 251; p. 836.
Preparation for colds, rose and hay fevers, and nose and throat affections. H. L. Day. No. 120,720; Mar. 5; v. 248; p. 229.

Preparation for consumption, rheumatism, weakness, and kidney trouble. P. Eagle. No. 121,766; May 28; v. 250; p. 993.
Preparation for curing corns. M. H. Cleary. No. 120,846; Mar. 12; v. 248; p. 496.
Preparation for dandruff, falling hair, and scalp diseases. L. R. Alexander. No. 121,847; June 11; v. 251; p. 457.
Preparation for diseases of the ano-rectal region. Henry Thayer & Co. No. 123,069; Oct. 8; v. 255; p. 363.
Preparation for dyspepsia. T. A. Porter. No. 122,234; July 9; v. 252; p. 501.
Preparation for eczema and dandruff, Liquid. R. E. Clark. No. 122,638; Sept. 3; v. 254; p. 221.
Preparation for headache, colds, neuralgia, and nervousness. The Cooper Medicine Company. No. 122,849; Sept. 24; v. 254; p. 861.
Preparation for increasing efficiency of gasolene and removing and preventing deposit of carbon. Motorlife Manufacturing Co. No. 123,627; Nov. 19; v. 256; p. 642.
Preparation for keeping the hair fluffy and curly, Liquid. M. L. Crea. No. 120,074; Jan. 8; v. 246; p. 563.
Preparation for malaria, colds, and grippe. Kloczewski & Co. No. 121,189; Apr. 16; v. 249; p. 736.
Preparation for oral prophylaxis, loose teeth, &c., Antiseptic. Grejovan Company. No. 123,124; Oct. 15; v. 255; p. 606.
Preparation for removing cuticle around finger and toe nails. United Drug Company. No. 120,647; Feb. 19; v. 247; p. 744.
Preparation for removing dirt, grease, &c., from automobiles. Waclepo Mfg. Co. No. 122,554; Aug. 20; v. 253; p. 745.
Preparation for removing spots and dirt from textiles. H. G. Keeney. No. 121,452; Apr. 30; v. 249; p. 1219.
Preparation for removing stains from granite, Chemical. W. M. Adrian. No. 123,312; Oct. 29; v. 255; p. 1049.
Preparation for rheumatism. F. & W. Chemical Co. No. 121,870; June 11; v. 251; p. 457.
Preparation for rheumatism. V. Peppas. No. 122,356; July 23; v. 252; p. 958.
Preparation for rheumatism. J. A. Wheelis. No. 121,111; Apr. 2; v. 249; p. 233.
Preparation for rheumatism, asthma, and appendicitis. J. Walker. No. 121,837; May 28; v. 250; p. 996.
Preparation for the destruction of bacteria, Liquid. F. R. Miller. No. 120,766; Mar. 5; v. 248; p. 231.
Preparation for the preservation of the leather in boots and shoes. B. L. Rosenbloom. No. 122,914; Sept. 24; v. 254; p. 863.
Preparation for the prevention and treatment of pyorrhea, for promotion and maintenance of tooth, gum, and mouth health. C. S. Cohen. No. 123,103; Oct. 15; v. 255; p. 605.
Preparation for the relief of certain named ailments and diseases. Hamilton Manufacturing Co. No. 120,098; Jan. 8; v. 246; p. 564.
Preparation for the relief of the stomach and intestines. R. Velez. No. 123,931; Dec. 17; v. 257; p. 644.
Preparation for the sexual organs. Sesame Pharmaceutical Corporation. No. 121,344; Apr. 23; v. 249; p. 982.
Preparation for the treatment and relief of earache. Ear-Ease Company. No. 123,112; Oct. 15; v. 255; p. 606.
Preparation for the treatment of affections or disorders of the kidneys, liver, stomach, and blood. F. A. Dillingham. No. 120,853; Mar. 12; v. 248; p. 496.
Preparation for the treatment of catarrhal colds, influenza, bronchitis, headache. S. Fargo. No. 120,730; Mar. 5; v. 248; p. 230.
Preparation for the treatment of certain named ailments and diseases. The Krew-Pina Company. No. 121,910; June 11; v. 251; p. 459.
Preparation for the treatment of certain named ailments and diseases. A. W. O'Malley. No. 122,903; Sept. 24; v. 254; p. 863.
Preparation for the treatment of certain named diseases. Chem-O-Vita Company. No. 122,955; Oct. 1; v. 255; p. 157.
Preparation for the treatment of certain named diseases. Ft. Wayne Drug Company. No. 121,612; May 14; v. 250; p. 510.
Preparation for the treatment of certain named diseases. The Relief Laboratory. No. 124,043; Dec. 31; v. 257; p. 1077.
Preparation for the treatment of certain named diseases. M. Teplow. No. 120,454; Feb. 5; v. 247; p. 241.
Preparation for the treatment of certain named diseases and affections. Otis Clapp & Son. No. 123,938; Dec. 24; v. 257; p. 813.
Preparation for the treatment of chills, fever, colds, and la grippe. W. W. Abel. No. 120,929; Mar. 19; v. 248; p. 763.
Preparation for the treatment of colds, coughs, asthma, &c. S. Fargo. No. 120,729; Mar. 5; v. 248; p. 230.
Preparation for the treatment of colds, malaria, &c. V. M. Anderson. No. 123,686; Dec. 3; v. 257; p. 187.
Preparation for the treatment of diabetes. Lyon and Company. No. 123,833; Dec. 10; v. 257; p. 405.
Preparation for the treatment of dyspepsia, indigestion, &c. International Druggists' & Chemists' Laboratories. No. 120,749; Mar. 5; v. 248; p. 230.
Preparation for the treatment of gonorrhea and gleet. J. Langerman. No. 122,327; July 23; v. 252; p. 958.
Preparation for the treatment of inflammations. E. P. Robinson. No. 123,756; Dec. 3; v. 257; p. 189.
Preparation for the treatment of kidney diseases. I. J. Raich. No. 122,989; Oct. 1; v. 255; p. 158.
Preparation for the treatment of malaria. O. H. Olsson. No. 120,416; Feb. 5; v. 247; p. 240.
Preparation for the treatment of nasal catarrh, head noises and colds, &c. R. B. Gilmore. No. 121,711; May 21; v. 250; p. 763.
Preparation for the treatment of neuralgia, rheumatism, and malaria. M. L. Myers. No. 123,056; Oct. 8; v. 255; p. 362.
Preparation for the treatment of nose, throat, and lung diseases. A. W. O'Malley. No. 122,984; Oct. 1; v. 255; p. 158.
Preparations for the treatment of pediculosis of the head or body. West Disinfecting Company. No. 122,557; Aug. 20; v. 253; p. 745.
Preparation for the treatment of pellagra. W. M. Moseley. No. 123,846; Dec. 10; v. 257; p. 405.
Preparation for the treatment of piles. The Guaranteed Remedies Co. No. 222,318; July 23; v. 252; p. 957.
Preparation for the treatment of pyorrhea. V. H. Michener, D. D. S. No. 123,843; Dec. 10; v. 257; p. 405.
Preparation for the treatment of pyorrhea. T. Tealy. No. 120,731; Mar. 5; v. 248; p. 230.
Preparation for the treatment of rheumatism. G. Winheim. No. 123,879; Dec. 10; v. 257; p. 406.
Preparation for the treatment of rheumatism, neuritis, itch, &c. A. Ballard. No. 123,318; Oct. 29; v. 255; p. 1049.
Preparation for the treatment of stomach disorders and constipation. G. Heinberg. No. 122,702; Sept. 10; v. 254; p. 446.
Preparation for treatment of teeth and gums. O. C. Gilbert. No. 121,891; June 11; v. 251; p. 458.
Preparation for the treatment of the feet. J. J. Bonner. No. 122,843; Sept. 24; v. 254; p. 861.
Preparation for the treatment of tuberculosis. The Intravenous Products Company. No. 122,708; Sept. 10; v. 254; p. 446.
Preparation for the treatment of urinary troubles. W. H. Kant. No. 121,186; Apr. 16; v. 249; p. 736.
Preparation for the treatment of venereal diseases. H. B. Stone. No. 120,122; Jan. 8; v. 246; p. 565.
Preparation for treating certain named diseases. H. Jones. No. 121,302; Apr. 23; v. 249; p. 981.
Preparation for treating certain named diseases. J. T. Lantagne. No. 123,455; Nov. 12; v. 256; p. 448.
Preparation for treating certain named diseases and ailments. J. Gibbs. No. 122,695; Sept. 10; v. 254; p. 446.
Preparation for treating certain named diseases and ailments, and insecticides. Van Antwerp's Drug Corporation. No. 120,648; Feb. 19; v. 247; p. 744.
Preparation for treating eyelashes. E. Becktel. No. 123,420; Nov. 12; v. 256; p. 447.
Preparation for treatment of diseases of the stomach. The Black Medicine Company. No. 121,241; Apr. 23; v. 249; p. 979.
Preparation for treatment of pyorrhea and for use as a general antiseptic, Liquid. Cahill and McCray. No. 121,310; Apr. 23; v. 249; p. 981.
Preparation for use in the treatment of rheumatism. A. Mountford. No. 121,923; June 11; v. 251; p. 459.
Preparation for worms in stock. Wilson Remedy Company. No. 120,308; Jan. 29; v. 246; p. 1201.
Preparation of iodin in jelly form. M. Wohlgemuth. No. 121,119; Apr. 2; v. 249; p. 233.
Preparation, Pyorrhea. Forhan Company. No. 120,372; Feb. 5; v. 247; p. 239.
Preparation used as a poultice, Chemical. P. Ehrhardt. No. 120,083; Jan 8; v. 246; p. 564.
Preparation used in detecting cotton or adulterants in woolens, Chemical. O. C. Mack. No. 120,133; Jan. 8; v. 246; p. 565.
Preparation to correct an acid condition of the stomach. M. F. Pratt. No. 122,906; Sept. 24; v. 254; p. 863.
Preparation to remove corns. H. Goldman. No. 122,699; Sept. 10; v. 254; p. 446.
Preparations for keeping off, driving away, or killing insects. Nihon Jochugiku Kaisha. No. 120,620; Feb. 19; v. 247; p. 743.
Preparations for the relief of biliousness, &c. R. Velez. No. 123,769; Dec. 3; v. 257; p. 189.
Preparations for treating certain named diseases. Boericke & Tafel. No. 121,858; June 11; v. 251; p. 457.
Preparations for treating certain named diseases. Cano Company. No. 121,260; Apr. 23; v. 249; p. 979.
Prepared chalk for medicinal purposes. The Thomas Manufacturing Co. No. 120,301; Jan. 29; v. 246; p. 1201.
Prescription-blanks. Portland Label Co. No. 123,155; Oct. 15; v. 255; p. 607.
Preserves, jams, relishes, pickles. M. B. Gosnell. No. 122,459; Aug. 20; v. 253; p. 742.
Primers for explosive-engines. Master Primer Company. No. 120,986; Mar. 19; v. 248; p. 764.
Printers' rollers, Composition for covering. "The Durable" Printers' Roller Company. No. 120,667; Feb. 26; v. 247; p. 961.

Printing-roller wash and preservative. Star Chemical Company. No. 122,164; July 2; v. 252; p. 242.
Prints and publications, Certain named. The Chesapeake & Potomac Telephone Company. No. 122,438; Aug. 20; v. 253; p. 741.
Prints and publications, Certain named. International Association of Heat and Frost Insulators and Asbestos Workers. No. 121,183; Apr. 16; v. 249; p. 736.
Prints and publications, Certain named. International Union of Mine, Mill and Smelter Workers. No. 122,489; Aug. 20; v. 253; p. 743.
Prints and publications, Certain named. Mystic Order of Veiled Prophets of the Enchanted Realm. Nos. 123,848–50; Dec. 10; v. 257; p. 405.
Prints and publications, Certain named. M. E. Palmer. No. 122,521; Aug. 20; v. 253; p. 744.
Prints and publications, Certain named. A. M. Teague. No. 121,514; Apr. 30; v. 249; p. 1221.
Prints, printed books, newspapers, &c. Gardenside Bookshop. No. 121,583; May 14; v. 250; p. 509.
Produce and truck, Fresh. Fish & Fish. No. 120,369; Feb. 5; v. 247; p. 239.
Propellers, Aeroplane-. Flottorp Manufacturing Company. No. 122,074; June 25; v. 251; p. 835.
Propellers for boats. American Manganese Bronze Company. No. 120,006; Jan. 1; v. 246; p. 297
Protein for subcutaneous injection for treating certain named diseases. The William S. Merrell Chemical Company. No. 123,624; Nov. 19; v. 256; p. 642.
Prunes, dried fruits, raisins, pitted plums. Castle Brothers. No. 122,015; June 18; v. 251; p. 671.
Prunes, dried peaches, apricots, &c., raisins, &c. Castle Brothers. No. 121,543; May 7; v. 250; p. 251.
Publication, Annual. M. Ackerman. No. 123,772; Dec. 10; v. 257; p. 403.
Publication, Bimonthly. The Globe Printing Company. No. 120,490; Feb. 12; v. 247; p. 475.
Publication, Bimonthly and annual. International Trade Developer. No. 120,498; Feb. 12; v. 247; p. 476.
Publication, Monthly. Foote Mineral Co. No. 122,455; Aug. 20; v. 253; p. 742.
Publication, Monthly. Kriebel & Co. No. 123,825; Dec. 10; v. 257; p. 404.
Publication, Monthly. The Northwestern Chemical Company. No. 122,153; July 2; v. 252; p. 242.
Publication, Monthly. Norton Company. No. 120,881; Mar. 12; v. 248; p. 497.
Publication, Monthly. The Owl Drug Company. No. 120,897; Mar. 12; v. 248; p. 497.
Publication, Monthly. J. C. Penney Company. No. 120,518; Feb. 12; v. 247; p. 476.
Publication, Monthly. Periodical Publishing Co. Nos. 120,690–1; Feb. 26; v. 247; p. 962.
Publication, Monthly. Rogers and Manson Company. No. 122,993; Oct. 1; v. 255; p. 158.
Publication, Monthly. The Roycrofters. No. 122,533; Aug. 20; v. 253; p. 744.
Publication, Monthly. Uhlemann Optical Co. No. 123,005; Oct. 1; v. 255; p. 159.
Publication, Monthly. Wilmer Atkinson Company. No. 120,537; Feb. 12; v. 247; p. 477.
Publication, Monthly. W. W. Wilson. No. 123,306; Oct. 22; v. 255; p. 826.
Publication, Monthly. J. T. Yates. No. 123,882; Dec. 10; v. 257; p. 406.
Publication, Periodical. National Dollar Shirt Shops. No. 121,479; Apr. 30; v. 249; p. 1220.
Publication published monthly, Periodical. R. Fellom. No. 122,450; Aug. 20; v. 253; p. 742.
Publication, Trade. B. Wiener. No. 123,877; Dec. 10; v. 257; p. 406.
Publication, Serial. Draper Corporation. No. 121,174; Apr. 16; v. 249; p. 735.
Publication, Weekly advertising. E. H. Mann. No. 122,979; Oct. 1; v. 255; p. 158.
Publications. L. C. Phifer. No. 121,492; Apr. 30; v. 249; p. 1220.
Publications, Semi-annual. Consumers' Guide Publishing Company. No. 121,163; Apr. 16; v. 249; p. 735.
Publications, Trade and credit. The Credit Clearing House. No. 121,599; May 14; v. 250; p. 509.
Publications, Weekly. W. P. Tanner-Gross & Company. No. 122,546; Aug. 20; v. 253; p. 745.
Pulp-board. E. G. Soltmann Incorporated. No. 121,147; Apr. 9; v. 249; p. 503.
Pumps and gas-engines, Liquid-. Edson Manufacturing Co. No. 120,725; Mar. 5; v. 248; p. 229.
Pumps and windmills. Wistrand Manufacturing Co. No. 122,561; Aug. 20; v. 253; p. 745.
Pumps, pumping-engines, condensers, and evaporators. M. T. Davidson Company. No. 120,961; Mar. 19; v. 248; p. 764.
Puncture sealing or healing compound. The Cat-Nak Company. No. 120,829; Mar. 12; v. 248; p. 495.
Purgative beverage. H. W. Pape. No. 122,227; July 9; v. 252; p. 500.
Purgatives. Gaba A. G. No. 122,964; Oct. 1; v. 255; p. 157.
Puttees. Quaker Robe Co. No. 123,854; Dec. 10; v. 257; p. 405.
Putties, Sash-. William T. Baker Inc. Nos. 123-083–6; Oct. 15; v. 255; p. 605.
Puzzle. A. N. Prentiss. No. 121,332; Apr. 23; v. 249; p. 982.
Pyroxylin articles, Certain named. Celluloid Company. No. 123,692; Dec. 3; v. 257; p. 187.
Pyroxylin, Certain named articles made of compounds of. The Celluloid Company. Nos. 122,372–4; July 30; v. 252; p. 1139.
Pyroxylin preparations for the treatment of articles preparatory to examination thereof under a microscope. The Celluloid Company. No. 120,717; Mar. 5; v. 248; p. 229.
Quilts. Globe Merchandise Co. No. 121,437; Apr. 30; v. 249; p. 1218.
Quilts. Rogers, Hennessey & Jenkins. Nos. 123,922–3; Dec. 17; v. 257; p. 644.
Radiator and engine covers. The J. P. Gordon Company. No. 120,491; Feb. 12; v. 247; p. 475.
Radiator-cooling compound. W. P. Jacobs. No. 122,709; Sept. 10; v. 254; p. 446.
Radiators of automobiles, Non-freeze compound for. Alcemo Manufacturing Company. No. 122,174; July 9; v. 252; p. 499.
Radiators, radiator-sections, fittings, and gas-heaters. American Pressweld Radiator Corporation. No. 120,154; Jan. 15; v. 246; p. 819.
Rail-anchors, anticreepers, tie-plates, &c., Metal. The P. & M. Co. No. 122,226; July 9; v. 252; p. 500.
Railroad cross-ties, telephone and telegraph poles, &c. Great Southern Lumber Company. No. 123,590; Nov. 19; v. 256; p. 641.
Rain-coats. Weber & Heilbroner. No. 122,628; Aug. 27; v. 253; p. 951.
Rain-coats and rubber goods. B. A. Cohen. Nos. 120,550–51; Feb. 19; v. 247; p. 741.
Raisins and dried peaches. Phoenix Packing Co. No. 121,651; May 14; v. 250; p. 511.
Raisins and fruits, Dried. California Associated Raisin Co. No. 121,592; May 14; v. 250; p. 509.
Rakes. The Casement Hardware Co. No. 120,341; Feb. 5; v. 247; p. 238.
Rat-extermination preparation. D. Moskowitz. No. 120,139; Jan. 8; v. 246; p. 565.
Razor-blade stroppers. Woodward-Williams Co. No. 122,172; July 2; v. 252; p. 242.
Razor-sharpening machines. F. J. Kalteyer. No. 123,134; Oct. 15; v. 255; p. 606.
Razor-strops. Pike Manufacturing Company. No. 120,286; Jan. 29; v. 246; p. 1200.
Razor-strops. Pike Manufacturing Company. No. 122,233; July 9; v. 252; p. 501.
Razors and parts thereof, Safety-. A. H. Bryant. No. 120,335; Feb. 5; v. 247; p. 237.
Razors, razor-blades, stropping devices. S. M. Kattell. No. 120,398; Feb. 5; v. 247; p. 239.
Razors, Safety-. A. H. Bryant. No. 123,975; Dec. 31; v. 257; p. 1075.
Reamers, taps, dies, and hacksaws. L. C. Blancke Co. No. 122,426; Aug. 20; v. 253; p. 741.
Receipting-registers. The Receipting Register Co. No. 121,655; May 14; v. 250; p. 511.
Receptacles, Certain named. Individual Drinking Cup Co. No. 120,264; Jan. 29; v. 246; p. 1200.
Receptacles, Certain named. Keiner-Williams Stamping Co. No. 121,187; Apr. 16; v. 249; p. 736.
Receptacles, Certain named. S. Langsdorf & Co. No. 123,454; Nov. 12; v. 256; p. 448.
Receptacles made of compounds of pyroxylin, Certain named. The Celluloid Company. No. 123,552; Nov. 19; v. 256; p. 639.
Receptacles made of cretonne, canvas, khaki, cotton, and silk fabric, Certain named. The Clark Manufacturing Company. No. 123,023; Oct. 8; v. 255; p. 361.
Receptacles or containers. Solar Metal Products Co. No. 123,494; Nov. 12; v. 256; p. 449.
Rectifying apparatus. General Electric Company. No. 121,287; Apr. 23; v. 249; p. 980.
Reducing machinery. Williams Patent Crusher & Pulverizer Company. No. 120,234; Jan. 15; v. 246; p. 821.
Refrigerators and ice-boxes. Hecht & Company. No. 120,101; Jan. 8; v. 246; p. 564.
Refrigerators and refrigeration systems. Joseph A. Holpuch Company. No. 120,495; Feb. 12; v. 247; p. 475.
Remedies for indigestion. G. A. Deatel. No. 123,696; Dec. 3; v. 257; p. 187.
Remedies for treating certain named diseases, Proprietary. C. O. Filkins. No. 121,884; June 11; v. 251; p. 458.
Remedy, Blood-generating. Chlorosan A.-G. Chemisch-Therapeutische Präparate. No. 120,345; Feb. 5; v. 247; p. 238.
Remedy, Corn. Mutual Druggists Association. No. 123,945; Dec. 24; v. 257; p. 813.
Remedy, Dandruff. Never-Tel Laboratories Company. No. 123,376; Oct. 29; v. 255; p. 1051.
Remedy, Externally-applied. L. B. Elliott. No. 122,960; Oct. 1; v. 255; p. 157.
Remedy, Eye. Mazri Laboratories. No. 120,987; Mar. 19; v. 248; p. 764.
Remedy for burns, a sedative and germicide. Otis Clapp & Son. No. 122,578; Aug. 27; v. 253; p. 949.

Remedy for certain named ailments and general toning and strengthening agent. R. M. Shellabarger Company. No. 121,013; Mar. 19; v. 248; p. 765.
Remedy for certain named diseases. Liverade Medicine Co. No. 123,363; Oct. 29; v. 255; p. 1050.
Remedy for chills, fever, ague, malaria, &c. Oak City Drug Company. No. 121,812; May 28; v. 250; p. 995.
Remedy for constipation. A. J. Hanhurst. No. 121,294; Apr. 23; v. 249; p. 980.
Remedy for constipation, indigestion, &c., Laxative. Fig-O-Lax Manufacturing Company. No. 123,440; Nov. 12; v. 256; p. 448.
Remedy for corns. Turkish Remedy Company. No. 121,106; Apr. 2; v. 249; p. 233.
Remedy for corns and bunions, liver-pills, &c. Keyser Chemical Company. No. 121,908; June 11; v. 251; p. 459.
Remedy for enlarged glands. Idaho Medicine Co. No. 122,881; Sept. 24; v. 254; p. 862.
Remedy for galls, sores, and cuts in animals. L. Adams. No. 122,121; July 2; v. 252; p. 241.
Remedy for indigestion. George E. Rinker & Co. No. 123,387; Oct. 29; v. 255; p. 1051.
Remedy for indigestion and distress caused by overeating. J. C. Sharer. No. 120,784; Mar. 5; v. 248; p. 231.
Remedy for nervous conditions due to monthly periods or change of life. B. E. Studer. No. 122,165; July 2; v. 252; p. 242.
Remedy for sweaty feet. A. L. Fitzgerald. No. 120,089; Jan. 8; v. 246; p. 564.
Remedy for the cure of hay-fever, asthma, &c. The Kolox Company. No. 120,980; Mar. 19; v. 248; p. 764.
Remedy for the local treatment of certain named diseases. McCoy-Howe Company. No. 120,407; Feb. 5; v. 247; p. 240.
Remedy for treating tired, &c., feet and sunburn. Usit Manufacturing Co. of America. No. 123,508; Nov. 12; v. 256; p. 450.
Remedy, liniment, and ointment for certain named ailments. Ego Remedy Co. No. 120,726; Mar. 5; v. 248; p. 230.
Remedy, Tapeworm. L. Monroe. No. 120,206; Jan. 15; v. 246; p. 820.
Respirating devices. American La France Fire Engine Co. No. 123,081; Oct. 15; v. 255; p. 605.
Ribbon, Satin. Johnson, Cowdin & Co. No. 121,781; May 28; v. 250; p. 994.
Ribbons. R. H. Macy & Co. No. 123,256; Oct. 22; v 255; p. 825.
Rice. E. T. Bel Rice Company. No. 121,239; Apr. 23; v. 249; p. 979.
Rice. M. J. Brandenstein & Co. No. 120,331; Feb. 5; v. 247; p. 237.
Rice. John S. Talmage Co. No. 120,916; Mar. 12; v. 248; p. 498.
Rice, Uncoated. M. J. Brandenstein & Co. No. 122,777; Sept. 17; v. 254; p. 651.
Rings, Finger-. Eisenstadt Manufacturing Co. No. 120,084; Jan. 8; v. 246; p. 564.
Rings, Finger-. White, Wile & Warner. No. 123,679; Nov. 19; v. 256; p. 643.
Roller-buckles. North & Judd M'f'g Co. No. 122,335; July 23; v. 252; p. 958.
Roof-coating, Petroleum-asphaltum. I. W. Cummings. No. 120,556; Feb. 19; v. 247; p. 741.
Roofing, Asphalt. Sifo Products Company. No. 121,218; Apr. 16; v. 249; p. 737.
Roofing-cement, Plastic. The Hascall Paint Company. No. 120,388; Feb. 5; v. 247; p. 239.
Roofing, Flexible. The Cussins & Fearn Co. No. 123,431; Nov. 12; v. 256; p. 447.
Roofing having fabric as a base, Composite. Fairmont Wall Plaster Company. No. 123,115; Oct. 15; v. 255; p. 606.
Roofing material. Flintkote Company. Nos. 123,337–8; Oct. 29; v. 255; p. 1049.
Roofing materials, Certain named. Master Roofers Association of Chicago. No. 123,053; Oct. 8; v. 255; p. 362.
Roofing materials, Plastic. The Hascall Paint Company. No. 120,387; Feb. 5; v. 247; p. 239.
Rouge. Park Gilmore, Inc. No. 121,056; Apr. 2; v. 249; p. 231.
Rubber and composition hose and rubber, leather, &c., belting and packing. Geo. B. Carpenter & Co. No. 123,197; Oct. 22; v. 255; p. 823.
Rubber and fabric belting. The Gutta Percha & Rubber Manufacturing Company. No. 120,192; Jan. 15; v. 246; p. 820.
Rubber and fabric belting and hose. The Gutta Percha & Rubber Manufacturing Company. No. 120,672; Feb. 26; v. 247; p. 961.
Rubber and fabric belting and hose. The Gutta Percha & Rubber Manufacturing Company. No. 120,738; Mar. 5; v. 248; p. 230.
Rubber and fabric belting and hose. The Gutta Percha & Rubber Manufacturing Company. No. 120,863; Mar. 12; v. 248; p. 496.
Rubber and fabric boots and shoes. Converse Rubber Shoe Co. No. 122,016; June 18; v. 251; p. 671.
Rubber and rubberized-fabric sheeting. Reid Bros. No. 123,277; Oct. 22; v. 255; p. 825.
Rubber articles and cement to be used therewith, Compound for repairing. Atlas Auto Supply Company. No. 120,238; Jan. 29; v. 246; p. 1199.
Rubber articles, Certain named. The Faultless Rubber Company. Nos. 121,425–6; Apr. 30; v. 249; p. 1218.
Rubber belting and rubber hose. Crandall Packing Company. No. 121,167; Apr. 16; v. 249; p. 735.
Rubber boots and shoes. L. Candee & Company. No. 122,575; Aug. 27; v. 253; p. 949.
Rubber boots and shoes. United States Rubber Company. Nos. 120,048–9; Jan. 1; v. 246; p. 298.
Rubber boots and shoes and parts thereof. Converse Rubber Shoe Co. No. 121,411; Apr. 30; v. 249; p. 1217.
Rubber boots with leather tops. The B. F. Goodrich Company. No. 120,188; Jan. 15; v. 246; p. 820.
Rubber cement. The Superfix Rubber Company. No. 123,171; Oct. 15; v. 255; p. 607.
Rubber, Certain named articles made of india-. The Leyland & Birmingham Rubber Co. No. 121,633; May 14; v. 250; p. 510.
Rubber erasers. American Lead Pencil Co. No. 120,054; Jan. 8; v. 246; p. 563.
Rubber fruit-jar rings. The Deis-Fertig Co. No. 122,858; Sept. 24; v. 254; p. 861.
Rubber gloves, Household. Julius Schmid, Incorporated. No. 121,827; May 28; v. 250; p. 995.
Rubber gloves, Surgeons'. Julius Schmid, Incorporated. No. 121,662; May 14; v. 250; p. 511.
Rubber goods, Certain. The Gutta Percha & Rubber Manufacturing Company. No. 120,864; Mar. 12; v. 248; p. 496.
Rubber goods, Certain named. E. Pearl. No. 121,564; May 7; v. 250; p. 252.
Rubber heel-plates. H. G. Robinson. No. 120,151; Jan. 8; v. 246; p. 566.
Rubber heels. Geo. E. Keith Company. No. 121,453; Apr. 30; v. 249; p. 1219.
Rubber heels. Pathfinder Rubber Co. No. 121,488; Apr. 30; v. 249; p. 1220.
Rubber heels and soles. M. J. Feeley & Co. No. 123,805; Dec. 10; v. 257; p. 404.
Rubber, &c., hose. Voorhees Rubber Mfg. Co. No. 123,871; Dec. 10; v. 257; p. 406.
Rubber hose and belting and asbestos packing. Dominion Asbestos and Rubber Corporation. No. 122,072; June 25; v. 251; p. 835.
Rubber hose and belting, asbestos packing. Dominion Asbestos and Rubber Corporation. Nos. 122,862–5; Sept. 24; v. 254; pp. 861–2.
Rubber hose with metal lining, Fabric-covered. Metal Hose & Tubing Co. No. 122,898; Sept. 24; v. 254; p. 863.
Rubber packing. Jenkins Rubber Co. No. 123,821; Dec. 10; v. 257; p. 404.
Rubber patch for repairing inner tubes of pneumatic tires. Oklahoma Oil & Auto Supply Co. No. 123,478; Nov. 12; v. 256; p. 449.
Rubber patches. A. C. McCandless. No. 123,143; Oct. 15; v. 255; p. 607.
Rubber-preserving compound. The Save-O Co. No. 121,953; June 11; v. 251; p. 460.
Rubber putty. W. H. Tomlinson & Co. No. 122,761; Sept. 10; v. 254; p. 448.
Rubber, Reclaimed. Phoenix Rubber Co. No. 123,271; Oct. 22; v. 255; p. 825.
Rubber, Sheet-. African Association. No. 123,181; Oct. 22; v. 255; p. 823.
Rubber shoes. Converse Rubber Shoe Company. No. 122,580; Aug. 27; v. 253; p. 949.
Rubber shoes. The B. F. Goodrich Company. No. 120,189; Jan. 15; v. 246; p. 820.
Rubber soles for boots and shoes. O'Sullivan Rubber Company. No. 122,037; June 18; v. 251; p. 672.
Rubber suction-hose and diaphragms. Edson Manufacturing Co. No. 121,607; May 14; v. 250; p. 510.
Rubber tank-balls. Woodward-Wanger Company. No. 123,308; Oct. 22; v. 255; p. 826.
Rubber-tire-vulcanizing outfit. The Marvel Accessories Manufacturing Co. Nos. 122,896–7; Sept. 24; v. 254; p. 862.
Rubber toys. The Mechanical Rubber Company. Nos. 122,724–5; Sept. 10; v. 254; p. 447.
Rubbers, Fruit-jar. Smalley, Kivlan & Onthank. No. 123,065; Oct. 8; v. 255; p. 362.
Rugs, Textile bath-. R. H. Macy & Co. No. 120,274; Jan. 29; v. 246; p. 1200.
Rum. B. Camp y Ca., S. en C. No. 121,259; Apr. 23; v. 249; p. 979.
Rust removing and preventing compound, Chemical. Dearborn Chemical Company. No. 122,582; Aug. 27; v. 253; p. 949.
Sake. S. Hanaki. No. 120,740; Mar. 5; v. 248; p. 230.
Salad. F. Johnson. No. 120,029; Jan. 1; v. 246; p. 297.
Salad-dressing. Francis H. Leggett & Co. No. 120,873; Mar. 12; v. 248; p. 496.
Salad-dressing. R. H. Macy & Company. No. 121,916; June 11; v. 251; p. 459.
Salicylates for internal use. H. S. Wellcome. No. 120,921; Mar. 12; v. 248; p. 498.

Alphabetical list of trade-marks—Continued.

Salt. Independent Salt Co. No. 122,086; June 25; v. 251; p. 836.
Salt. The Union Salt Company. No. 122,626; Aug. 27; v. 253; p. 950.
Salt, Rochelle. E. Glass. No. 122,697; Sept. 10; v. 254; p. 446.
Salts, bases, or compounds of aminoxyarsenobenzene or other derivations of oxyarlarsinic acids. Takamine Laboratory. Nos. 121,511–12; Apr. 30; v. 249; p. 1221.
Salts for internal use, Granulated combination of certain. F. H. Paxton. No. 120,212; Jan. 15; v. 246; p. 821.
Salts of ichthyolic acid, potassium chlorate, iodin, &c. S. Hirasawa. No. 122,878; Sept. 24; v. 254; p. 862.
Salve and liniment, both for external use. A. Oxer. No. 121,235; Apr. 23; v. 249; p. 979.
Salve and suppositories. M. A. Boss. No. 123,787; Dec. 10; v. 257; p. 403.
Salve for boils, carbuncles, and kindred troubles. R. H. Kelley. No. 122,216; July 9; v. 252; p. 500.
Salve for burns. D. L. Micca. No. 122,152; July 2; v. 252; p. 242.
Salve for goiter. The Goitre Salve Co. No. 121,438; Apr. 30; v. 249; p. 1218.
Salve for rheumatism, &c. I. S. Turk. No. 123,004; Oct. 1; v. 255; p. 159.
Salve for spasmodic croup, pneumonia, &c., Medicinal. The Vick Chemical Co. No. 122,168; July 2; v. 252; p. 242.
Salve, liver-pills, and liniment. The Vick Chemical Co. No. 123,667; Nov. 19; v. 256; p. 643.
Salves and ointments. P. Nielsen. No. 122,098; June 25; v. 251; p. 836.
Salves for treating certain affections of man and horse. D. C. Myers. No. 122,334; July 23; v. 252; p. 958.
Sanitary and absorptive pads and bandages. The Menopad Mfg. Co. No. 120,277; Jan. 29; v. 246; p. 1200.
Sanitary belts, suspensories, &c. The A. T. Van Alstyn Co. No. 123,177; Oct. 15; v. 255; p. 608.
Sanitary closets, Portable. Silvers Manufacturing Company. No. 120,118; Jan. 8; v. 246; p. 565.
Sardines. Globe Canning Co. Nos. 123,341–5; Oct. 29; v. 255; p. 1050.
Sardines. Globe Canning Co. No. 123,707; Dec. 3; v. 257; p. 187.
Sardines. I. Moos. Nos. 121,079–84; Apr. 2; v. 249; p. 232.
Sardines. The New York Oversea Co. No. 120,878; Mar. 12; v. 248; p. 497.
Sauce or relish for seasoning foods. The Curtis Corporation. No. 122,310; July 23; v. 252; p. 957.
Sauces. Johnsen & Kildal. No. 122,028; June 18; v. 251; p. 672.
Sausage. Armstrong Packing Company. No. 121,033; Apr. 2; v. 249; p. 231.
Sausage. Fred. Eckart Packing Co. No. 121,277; Apr. 23; v. 249; p. 980.
Sausage, Pure pork. Miller Brothers. No. 120,684; Feb. 26; v. 247; p. 962.
Saw-guides. J. Tuisku. No. 121,360; Apr. 23; v. 249; p. 982.
Saws. Henry Disston & Sons. No. 120,962; Mar. 19; v. 248; p. 764.
Saws. Victor Saw Works. No. 123,956; Dec. 24; v. 257; p. 813.
Saxophone, &c., reeds. W. F. Schensley. No. 123,760; Dec. 3; v. 257; p. 189.
Scales, Indicating weighing-. Parcel Post Scale Company. No. 124,038; Dec. 31; v. 257; p. 1077.
Scalp food. P. Owens. No. 123,948; Dec. 24; v. 257; p. 813.
Scalp preparation. J. R. Jones. No. 122,324; July 23; v. 252; p. 957.
Scalp remedies. Ginnetti Manufacturing Company. No. 122,314; July 23; v. 252; p. 957.
Scalp remedy and hair-tonic. M. Ottaviano. No. 121,481; Apr. 30; v. 249; p. 1220.
Scalp-tonic. W. T. Trautwein. No. 120,455; Feb. 5; v. 247; p. 241.
Scarfs and neckties, Men's. E. Oppenheimer. No. 122,036; June 18; v. 251; p. 672.
Scarfs for headwear and neckwear for automobiling. H. B. Lederer. No. 121,459; Apr. 30; v. 249; p. 1219.
Scouring compound. The N. K. Fairbank Company. No. 120,088; Jan. 8; v. 246; p. 564.
Search-lights and lanterns, Electric. American La France Fire Engine Co. No. 123,080; Oct. 15; v. 255; p. 605.
Search-lights, Electric. Williams Manufacturing Company. No. 121,991; June 11; v. 251; p. 461.
Seed-graders. Success Seed Grader Company. No. 122,243; July 9; v. 252; p. 501.
Seeds. F. S. Radway. No. 122,531; Aug. 20; v. 253; p. 744.
Seeds, Alfalfa, clover, &c. Crabbs Reynolds Taylor Co. No. 123,896; Dec. 17; v. 257; p. 643.
Seeds, Clover, grass, &c. D. C. Smith. No. 121,961; June 11; v. 251; p. 460.
Seeds, Garden, field, and flower. John A. Salzer Seed Co. Nos. 123,280–1; Oct. 22; v. 255; p. 826.
Seeds, Grass and field. H. W. Doughten. No. 120,080; Jan. 8; v. 246; p. 564.
Seeds, Grass and field. H. W. Doughten. No. 120,482; Feb. 12; v. 247; p. 475.
Seeds, Grass and field. H. W. Doughten. No. 123,799; Dec. 10; v. 257; p. 404.
Seeds, plants, bulbs, &c. Hillsdon, Watts Ltd. No. 123,240; Oct. 22; v. 255; p. 824.
Serges, worsteds, silk serges for suitings, &c. Western Reserve Woolen Company. No. 123,932; Dec. 17; v. 257; p. 644.
Sewing kit. John Wanamaker, New York. No. 121,838; May 28; v. 250; p. 996.
Sewing-machines. White Sewing Machine Company. No. 122,249; July 9; v. 252; p. 501.
Shade-cloth. Oswego Shade Cloth Company. Nos. 122,755–6; Sept. 10; v. 254; p. 447.
Shade cloth, Window-. Ordinator Company. No. 123,920; Dec. 17; v. 257; p. 644.
Shade-cloths. Interstate Shade Cloth Co. No. 122,707; Sept. 10; v. 254; p. 446.
Shade-cloths of sized and oil-painted fabrics. Interstate Shade Cloth Co. No. 122,085; June 25; v. 251; p. 836.
Shades and shade-rollers, Window-. Stewart Hartshorn Co. No. 123,498; Nov. 12; v. 256; p. 449.
Shampoo and hair-cleanser. A. J. Aylies. No. 121,579; May 14; v. 250; p. 509.
Shampoo and massage preparations. P. Giroux. No. 120,861; Mar. 12; v. 248; p. 496.
Shampoo, toilet borax, face-lotions, &c. Amovine Laboratories. No. 121,032; Apr. 2; v. 249; p. 231.
Shampoos, Liquid. B. Stuebner's Sons. No. 120,225; Jan. 15; v. 246; p. 821.
Shaving-cream in the nature of shaving-soap. The William S. Merrell Chemical Company. No. 121,471; Apr. 30; v. 249; p. 1219.
Shaving stick, powder, cream, and liquid, shaving-cake and toilet soaps. The J. B. Williams Company. No. 121,529; Apr. 30; v. 249; p. 1221.
Sheep-dip shampoo. The Sepol Laboratories. No. 123,655; Nov. 19; v. 256; p. 643.
Sheet material composed of compounds of pyroxylin. Celluloid Company. Nos. 123,795–6; Dec. 10; v. 257; p. 403.
Sheet-metal articles, Certain named. F. H. Lawson Company. No. 120,594; Feb. 19; v. 247; p. 742.
Sheet-metal products, Certain named. Wheeling Ceiling & Roofing Co. No. 121,988; June 11; v. 251; p. 461.
Sheeting, Unbleached. Baltimore Bargain House. No. 122,005; June 18; v. 251; p. 671.
Sheetings, Cotton. Taylor, Clapp & Beall. No. 123,292; Oct. 22; v. 255; p. 826.
Sherry. Alex D. Shaw & Co. No. 123,390; Oct. 29; v. 255; p. 1051.
Shingles and building-lumber, Asbestos. Trussed Concrete Steel Company. No. 120,047; Jan. 1; v. 246; p. 298.
Shirt-waists, blouses, and dresses. Bloom & Millman. No. 120,938; Mar. 19; v. 248; p. 763.
Shirt-waists, Ladies'. A. Letts. Nos. 122,597–8; Aug. 27; v. 253; p. 950.
Shirt-waists, Women's. Mitchell Bros. Company. No. 123,259; Oct. 22; v. 255; p. 825.
Shirts. Beacon Shirt Co. No. 122,570; Aug. 27; v. 253; p. 949.
Shirts. P. W. Rouss. No. 121,498; Apr. 30; v. 249; p. 1220.
Shirts and collars. The Manhattan Shirt Co. No. 124,019; Dec. 31; v. 257; p. 1076.
Shirts and undershirts. Commercial Shirt Company. No. 122,194; July 9; v. 252; p. 499.
Shirts and waists, Boys'. The New Era Manufacturing Company. No. 120,146; Jan. 8; v. 246; p. 566.
Shirts, coats, skirts, &c. Girl Scouts. No. 123,992; Dec. 31; v. 257; p. 1076.
Shirts, Collars, cuffs, athletic underwear, &c., Negligée, dress, and work. Nirenberg & Salzman. No. 120,621; Feb. 19; v. 247; p. 743.
Shirts, Dress-. Ideal Shirt Co. No. 123,245; Oct. 22; v. 255; p. 825.
Shirts, Dress and negligée. North Brothers & Company. No. 120,513; Feb. 12; v. 247; p. 476.
Shirts, Dress, flannel, and negligée. M. E. Smith & Co. No. 120,913; Mar. 12; v. 248; p. 498.
Shirts, Men's. Dagg, Derneden Co. No. 122,195; July 9; v. 252; p. 499.
Shirts, men's night-shirts, &c. Cohn, Goldwater & Company. No. 123,567; Nov. 19; v. 256; p. 640.
Shirts, Men's outer. Ely & Walker Dry Goods Co. No. 121,422; Apr. 30; v. 249; p. 1218.
Shirts, Men's outer. Rice-Stix Dry Goods Company. No. 121,824; May 28; v. 250; p. 995.
Shirts, Negligée and dress. E. J. Murphy. No. 121,086; Apr. 2; v. 249; p. 232.
Shirts, nightgowns, pajamas, and sleeping-garments, Night-. E. Rosenfeld & Company. No. 120,432; Feb. 5; v. 247; p. 240.
Shirts, overalls, &c., Flannel work-. Salant & Salant. No. 123,650; Nov. 19; v. 256; p. 642.
Shirts, overalls, textile jackets and jumpers. John E. Hurst & Company. No. 122,025; June 18; v. 251; p. 671.

Shirts, undershirts, underdrawers, night-robes, Men's. Bates Street Shirt Company. No. 122,569; Aug. 27; v. 253; p. 949.
Shirts, Work-. Reliance Manufacturing Company. Nos. 121,495–6; Apr. 30; v. 249; p. 1220.
Shirtings. Appleton Company. Nos. 122,668–9; Sept. 10; v. 264; p. 445.
Shirtings and colored woven cotton dress goods, Bleached cotton. Everett Heaney & Company. No. 121,062; Apr. 2; v. 249; p. 232.
Shoe and corset laces, braids. Hewitt-White Co. No. 123,716; Dec. 3; v. 257; p. 188.
Shoe and leather polish. J. L. Prescott Company. No. 120,216; Jan. 15; v. 246; p. 821.
Shoe and leather polishes. Rice & Hutchins. No. 120,263; Jan. 29; v. 246; p. 1200.
Shoe-cloth. H. Gitterman & Co. No. 123,905; Dec. 17; v. 257; p. 643.
Shoe-dressing. Boston Blacking Company. No. 123,324; Oct. 29; v. 255; p. 1049.
Shoe-elastic. Everlastik, Incorporated. No. 120,485; Feb. 12; v. 247; p. 475.
Shoe-polishers. Kwick-Work Fountain Brush Mfg. Co. No. 122,595; Aug. 27; v. 253; p. 950.
Shoe-stretchers. Frank W. Whitcher Company. No. 121,026; Mar. 19; v. 248; p. 766.
Shoes. Churchill & Alden Co. No. 121,126; Apr. 9; v. 249; p. 503
Shoes. R. H. Macey & Co. No. 121,468; Apr. 30; v. 249; p. 1219.
Shoes. Van Hart. No. 121,520; Apr. 30; v. 249; p. 1221.
Shoes and hosiery. Wm. Hahn & Co. No. 122,700; Sept. 10; v. 254; p. 446.
Shoes, Boys' and girls'. Cohen and Hartenstein. No. 121,408; Apr. 30; v. 249; p. 1217.
Shoes, Children's. Hygrade Shoe Works. No. 123,816; Dec. 10; v. 257; p. 404.
Shoes for men, women, and children. Churchill & Alden Co. Nos. 122,683–4; Sept. 10; v. 254; p. 445.
Shoes, Gages and size-sticks for fitting. E. J. Bliss. No. 121,250; Apr. 23; v. 249; p. 979.
Shoes, Leather. Brown Shoe Company. No. 120,068; Jan. 8; v. 246; p. 563.
Shoes, Leather. Golden Shoe Co. No. 120,972; Mar. 19; v. 248; p. 764.
Shoes, Leather. The J. Miller Co. No. 121,077; Apr. 2; v. 249; p. 232.
Shoes, Leather, rubber, &c. Thomas G. Plant Company. No. 120,627; Feb. 19; v. 247; p. 743.
Shoes made of leather, canvas, rubber, and a combination of said materials. Albert H. Weinbrenner Co. No. 121,840; May 28; v. 250; p. 996.
Shoes, Misses' and children's. A. W. Tedcastle & Co. No. 123,293; Oct. 22; v. 255; p. 826.
Shoes, slippers, Soft-sole felt. Dolgeville Felt Shoe Company. No. 120,723; Mar. 5; v. 248; p. 229.
Shortening. Superior Products Company. No. 121,733; May 21; v. 250; p. 764.
Shortening and milk substitute. F. H. Brown. No. 120,860; Mar. 12; v. 248; p. 496.
Shortening, Cotton-seed-oil. Interstate Cotton Oil Refining Co. No. 121,449; Apr. 30; v. 249; p. 1219.
Shortening, Vegetable. Morris & Company. No. 123,260; Oct. 22; v. 255; p. 825.
Shotgun-shells. Federal Cartridge Company. No. 123,585; Nov. 19; v. 256; p. 640.
Shovels, Electric. The Marion Steam Shovel Company. No. 120,203; Jan. 15; v. 246; p. 820.
Shovels, Electric. The Marion Steam Shovel Co. No. 121,917; June 11; v. 251; p. 459.
Shovels, excavators, dredges, &c., Steam. Bucyrus Company. No. 120,945; Mar. 19; v. 248; p. 763.
Shovels, scoops, and spades. Beall Brothers. Nos. 120,323–5; Feb. 5; v. 247; p. 237.
Show-cases, cedar chests, and house-screens. J. M. Hansen. No. 120,026; Jan. 1; v. 246; p. 297.
Signal-lamps, Automobile. Dixie Auto Signal Company. No. 120,175; Jan. 15; v. 246; p. 819.
Signaling devices, Vehicle electric-light. Foy Signal Company. No. 123,587; Nov. 19; v. 256; p. 641.
Signs for advertising or other purposes. H. P. Simpson. No. 120,694; Feb. 26; v. 247; p. 962.
Silk and cotton and silk piece goods, silk and wool fabrics. Oriental Silk Printing Co. No. 122,734; Sept. 10; v. 254; p. 447.
Silk and crape in the piece, Broad. T. J. Mitchell & Co. No. 123,918; Dec. 17; v. 257; p. 644.
Silk and silk and wool goods in the piece. Bentley & Twohey Silk Co. No. 121,393; Apr. 30; v. 249; p. 1217.
Silk, cotton, and woolen piece goods. B. M. Cohen. No. 122,305; July 23; v. 252; p. 957.
Silk fabric, Sheer-. Bullock's. No. 123,893; Dec. 17; v. 257; p. 643.
Silk, foulards, satins, &c., in the piece, silk and velvet ribbons. Cheney Brothers. No. 120,249; Jan. 29; v. 246; p. 1199.
Silk piece goods. Bentley & Twohey Silk Co. No. 121,752; May 28; v. 250; p. 993.
Silk piece goods. Haas Brothers. No. 120,193; Jan. 15; v. 246; p. 820.
Silk piece goods. H. R. Mallison & Co. No. 123,917; Dec. 17; v. 257; p. 644.
Silk piece goods. H. R. Mallinson and Company. No. 120,200; Jan. 15; v. 246; p. 820.
Silk piece goods. Nereim, Sommer & Milkes. No. 122,387; July 30; v. 252; p. 1139.
Silk piece goods. Rogers & Thompson. No. 120,042; Jan. 1; v. 246; p. 298.
Silk piece goods. Rogers & Thompson. No. 122,740; Sept. 10; v. 254; p. 447.
Silk piece goods. Samuel Elseman & Co. No. 120,564; Feb. 19; v. 247; p. 741.
Silk, Raw artificial. B. Borzykowski. No. 122,845; Sept. 24; v. 254; p. 861.
Silks and satins in the piece, Broad. The Schwarzenbach, Huber Company. No. 122,746; Sept. 10; v. 254; p. 447.
Silks and silk and cotton goods. Standard Silk Dyeing Company. No. 122,350; July 23; v. 252; p. 958.
Silks in the piece, Broad. J. A. Nigel. No. 121,800; May 28; v. 250; p. 994.
Silver, Metallic plates for use in polishing. Eastern Supply Co. No. 120,362; Feb. 5; v. 247; p. 238.
Skins, Tanned and finished. S. Barnet & Son. No. 123,188; Oct. 22; v. 255; p. 823.
Skins, Tanned fish and mammal. The Ocean Leather Company. No. 122,519; Aug. 20; v. 253; p. 744.
Skins, Tanned fish and mammal. Ocean Leather Co. No. 123,265; Oct. 22; v. 255; p. 825.
Slippers. Blum Shoe Manufacturing Co. No. 122,673; Sept. 10; v. 254; p. 445.
Slippers. Daniel Green Felt Shoe Company. No. 123,592; Nov. 19; v. 256; p. 641.
Slippers and shoes, bootees, &c. Bernhard Ulmann Co. No. 120,302; Jan. 29; v. 246; p. 1201.
Smokers' pouches. H. H. Scott. No. 122,539; Aug. 20; v. 253; p. 744.
Snap and placket fasteners. E. Lokesch & Sohn. No. 120,601; Feb. 19; v. 247; p. 743.
Snap-fasteners. The Autoyre Co. No. 123,417; Nov. 12; v. 256; p. 447.
Snap-fasteners. Carr Fastener Company. No. 121,544; May 7; v. 250; p. 251.
Snap-fasteners. J. B. Crowley. No. 120,251; Jan. 29; v. 246; p. 1199.
Snap-fasteners. Keystone Snap Fastener Corporation. No. 120,265; Jan. 29; v. 246; p. 1200.
Snap-fasteners. Keystone Snap Fastener Corporation. No. 120,978; Mar. 19; v. 248; p. 764.
Snap-fasteners. The Lavin Company. No. 120,402; Feb. 5; v. 247; p. 240.
Snap-fasteners. Premier Snap Fastener Co. No. 120,424; Feb. 5; v. 247; p. 240.
Snap-fasteners. Samstag & Hilder Bros. No. 122,527; Aug. 20; v. 253; p. 744.
Snap-fasteners. Samstag & Hilder Bros. No. 122,918; Sept. 24; v. 254; p. 863.
Snap-fasteners and placket-fasteners. Waldes & Company of New Jersey. No. 122,555; Aug. 20; v. 253; p. 745.
Snap-fasteners for wearing-apparel, Metal. American Fastener Co. No. 120,236; Jan. 29; v. 246; p. 1199.
Snap fasteners, hooks, eyes, &c. Boston Snap Fastener Co. No. 121,753; May 28; v. 250; p. 993.
Snuff. R. Wilton. Nos. 121,377–8; Apr. 23; v. 249; p. 983.
Soap. Amaessa Products Co. No. 123,684; Dec. 3; v. 257; p. 187.
Soap. Echevarria Brothers. No. 123,801; Dec. 10; v. 257; p. 404.
Soap. Empire Soap Company. No. 122,202; July 9; v. 252; p. 499.
Soap. Escejay Company. No. 123,582; Nov. 19; v. 256; p. 640.
Soap. L. Feld. No. 120,256; Jan. 29; v. 246; p. 1199.
Soap. Gingo Soap Company. No. 123,443; Nov. 12; v. 256; p. 448.
Soap. James S. Kirk & Company. No. 121,454; Apr. 30; v. 249; p. 1219.
Soap. Jug Oil Soap Co. No. 123,721; Dec. 3; v. 257; p. 188.
Soap. Knowlton Danderine Company. No. 123,726; Dec. 3; v. 257; p. 188.
Soap. Lautz Bros. & Co. No. 121,458; Apr. 30; v. 249; p. 1219.
Soap. Lautz Bros. & Co. No. 123,456; Nov. 12; v. 256; p. 448.
Soap. The N. K. Fairbank Company. No. 120,087; Jan. 8; v. 246; p. 564.
Soap. Park & Tilford. No. 123,749; Dec. 3; v. 257; p. 189.
Soap. Savannah Soap Co. No. 121,660; May 14; v. 250; p. 511.
Soap. Windsor Soap Co. No. 121,117; Apr. 2; v. 249; p. 233.
Soap and scouring compound. Lever Brothers Company. No. 121,463; Apr. 30; v. 249; p. 1219.
Soap, Automobile and oil. Granite City Soap Company. No. 123,444; Nov. 12; v. 256; p. 448.
Soap, cream metal-polish, hand-cleansers, Auto oil-. Electric Appliance Company. No. 122,270; July 16; v. 252; p. 741.

Alphabetical list of trade-marks—Continued.

Soap dye for silk, &c., liquid dye for shoes and leather articles. B. Rosenthal. No. 123,062; Oct. 8; v. 255; p. 362.
Soap for cleaning and preserving leather and imitation-leather goods. Colgate & Co. No. 122,306; July 26; v. 252; p. 957.
Soap, Hand-. The Reynolds Corporation. No. 121,950; June 11; v. 251; p. 460.
Soap, Laundry. W. S. Burns. No. 121,158; Apr. 16; v. 249; p. 735.
Soap, Liquid. Wilson Chemical Company. No. 121,230; Apr. 16; v. 249; p. 737.
Soap, Medicated. Ferd. T. Hopkins & Son. No. 123,127; Oct. 15; v. 255; p. 606.
Soap, Medicated. A. Marr. No. 121,919; June 11; v. 251; p. 459.
Soap, Toilet. A. Bourjois & Co. Nos. 120,245–6; Jan. 29; v. 246; p. 1199.
Soap, Toilet. E. Gal, Sociedad en Comandita. No. 120,568; Feb. 19; v. 247; p. 742.
Soap, Toilet. International Drug Company. No. 122,274; July 16; v. 252; p. 741.
Soap, Toilet. James S. Kirk & Company. Nos. 123,723–4; Dec. 3; v. 257; p. 188.
Soap, Toilet. Yardley & Co. No. 121,682; May 14; v. 250; p. 512.
Soaps. Colgate & Co. No. 120,955; Mar. 19; v. 248; p. 763.
Soaps. Colgate & Co. No. 121,409; Apr. 30; v. 249; p. 1217.
Soaps. Fischbeck Soap Co. No. 120,370; Feb. 5; v. 247; p. 239.
Soaps. The Morell Manufacturing Company. No. 122,280; July 16; v. 252; p. 742.
Soaps and cleansers. Joyful Manufacturing Company. No. 121,066; Apr. 2; v. 249; p. 232.
Soaps and shaving-cream. The Remiller Co. No. 122,159; July 2; v. 252; p. 242.
Soaps and shaving-cream. Toilet and shaving. The Beau-Site Company. No. 122,179; July 9; v. 252; p. 499.
Soaps and washing-powders. California Soap Company. No. 123,688; Dec. 3; v. 257; p. 187.
Soaps. Laundry and oil. Harris Soap Company. No. 122,319; July 23; v. 252; p. 957.
Soaps, shaving-cream. Gerhard Mennen Chemical Co. No. 123,623; Nov. 19; v. 256; p. 642.
Soaps, Toilet. Crystal Soap Company. No. 122,266; July 16; v. 252; p. 741.
Soaps, Toilet. International Drug Company. No. 122,485; Aug. 20; v. 253; p. 743.
Soaps, Toilet. Reso Products Co. No. 122,910; Sept. 24; v. 254; p. 863.
Soaps, Toilet and shaving. Lorenz Company. No. 123,140; Oct. 15; v. 255; p. 607.
Soda-ash and bicarbonate of soda. National Soda Products Company. No. 120,145; Jan. 8; v. 246; p. 565.
Soda, Caustic. Mendleson Corporation. No. 123,944; Dec. 24; v. 257; p. 813.
Soda, Cleaning-. Sunshine Soda Company. No. 123,393; Oct. 29; v. 255; p. 1051.
Soda, cream tartar, and baking-powder, Bicarbonate. The Jones Thierbach Co. No. 120,582; Feb. 19; v. 247; p. 742.
Sodium and aluminum salts. Booth Chemical Company. No. 121,252; Apr. 23; v. 249; p. 979.
Solder and bearing metals. National Lead Company. No. 120,770; Mar. 5; v. 248; p. 231.
Soles and heels, and insoles, Leather and rubber. J. Goldman & Company. No. 120,131; Jan. 8; v. 246; p. 565.
Soles and heels. Composition. The Federal Rubber Company. No. 122,018; June 18; v. 251; p. 671.
Soles and heels for shoes and boots, Composition. The Electric Rubber Reclaiming Company. No. 122,201; July 9; v. 252; p. 499.
Soles, Leather. The Graton and Knight Manufacturing Company. No. 120,971; Mar. 19; v. 248; p. 764.
Soot destroyer and remover. Northern Chemical Co. of Michigan. No. 122,888; July 30; v. 252; p. 1139.
Soot-eliminating compound for stoves, furnaces, &c. The National Chemical Co. No. 122,731; Sept. 10; v. 254; p. 447.
Sorghum and corn-syrup compound. New Orleans Coffee Co. No. 122,097; June 25; v. 251; p. 836.
Soups, Pure concentrated. B. F. Gossom. No. 120,571; Feb. 19; v. 247; p. 742.
Spark-adjusters. W. G. Krouse. No. 124,010; Dec. 31; v. 257; p. 1076.
Spark-plug cleaners. Mechanical. Champion Spark Plug Company. No. 123,559; Nov. 19; v. 256; p. 640.
Spark-plug-cleaning tool. G. Mellor. No. 124,022; Dec. 31; v. 257; p. 1077.
Spark-plug porcelains. Champion Spark Plug Company. No. 122,132; July 2; v. 252; p. 241.
Spark-plug porcelains and parts. Champion Spark Plug Company. No. 120,950; Mar. 19; v. 248; p. 763.
Spark-plugs. Apex Company. No. 122,770; Sept. 17; v. 254; p. 651.
Spark-plugs. Auburn Ignition Mfg. Co. No. 120,705; Mar. 5; v. 248; p. 229.
Spark-plugs. The Auto Aids Mfg. Co. No. 120,706; Mar. 5; v. 248; p. 229.
Spark-plugs. H. F. Brownell. No. 121,584; May 14; v. 250; p. 509.
Spark-plugs. The Charles H. Buettner Company. No. 151,590; May 14; v. 250; p. 509.
Spark-plugs. Express Spark Plug Company. No. 123,583; Nov. 19; v. 256; p. 640.
Spark-plugs. H. L. Flood. No. 123,990; Dec. 31; v. 257; p. 1076.
Spark-plugs. Jubilee Manufacturing Company. No. 120,977; Mar. 19; v. 248; p. 764.
Spark-plugs. Monarch Manufacturing Company. No. 122,805; Sept. 17; v. 254; p. 652.
Spark-plugs. Walden-Worcester. No. 121,023; Mar. 19; v. 248; p. 766.
Spark-plugs and parts of same. Champion Spark Plug Company. No. 123,558; Nov. 19; v. 256; p. 640.
Spark-plugs for internal-combustion engines. The Sharp Spark Plug Company. No. 123,164; Oct. 15; v. 255; p. 607.
Spark-plugs, spark-plug porcelains and parts. Champion Spark Plug Company. No. 120,167; Jan. 15; v. 246; p. 819.
Spectacles and eyeglasses. Wall & Ochs. No. 120,808; Mar. 5; v. 248; p. 232.
Spectacles, eyeglasses, stereopticons, photographic cameras. Erker Bros. Optical Co. No. 120,727; Mar. 5; v. 248; p. 230.
Spinning-spindles. Chapman Manufacturing Company. No. 121,869; June 11; v. 251; p. 457.
Sponges, Cuban sheepswool. Schroeder & Tremayne. No. 121,663; May 14; v. 250; p. 511.
Sporting goods, Certain named. Ludgate, Ryder, Thomas & Co. No. 123,733; Dec. 3; v. 257; p. 188.
Sporting goods, Certain named. A. J. Reach Company. No. 123,058; Oct. 8; v. 255; p. 362.
Spraying apparatus for trees and plants, centrifugal pumps, and tractors. Bean Spray Pump Co. No. 121,238; Apr. 23; v. 249; p. 979.
Sprays, Orchard-. Balfour, Guthrie & Co. No. 120,816; Mar. 12; v. 248; p. 495.
Sprays, Orchard-. Balfour, Guthrie & Co. No. 121,153; Apr. 16; v. 249; p. 735.
Springs. Lee Spring Company. No. 121,191; Apr. 16; v. 249; p. 736.
Springs, Oiler devices to be secured to vehicle-. G. L. Woodjard. No. 123,307; Oct. 22; v. 255; p. 826.
Springs, spring-clips and bolts, bushings, and rebound-clips for vehicles. Triple Action Spring Company. No. 121,518; Apr. 30; v. 249; p. 1221.
Stain, Anthracene-oil wood-. Carbolineum Wood Preserving Co. No. 122,782; Sept. 17; v. 254; p. 651.
Stair-pads, carpet-linings, rug linings and paddings. Sperry & Beale Company. Nos. 122,996–7; Oct. 1; v. 255; p. 158.
Stamps, Hand-. Hill-Independent Mfg. Co. No. 120,102; Jan. 8; v. 246; p. 564.
Stamps, Hand-. Hill-Independent Mfg. Co. Nos. 120,576–7; Feb. 19; v. 247; p. 742.
Stationery. Holmes Company. No. 122,479; Aug. 20; v. 253; p. 743.
Stationery, Bank-. S. Sladden. No. 122,162; July 2; v. 252; p. 242.
Steam and internal-combustion engines. The Aultman & Taylor Machinery Co. No. 121,576; May 14; v. 250; p. 509.
Steam-engines, governors, and lathes. The Houston, Stanwood & Gamble Company. No. 120,391; Feb. 5; v. 247; p. 239.
Steam-fittings. Walworth Manufacturing Company. No. 122,169; July 2; v. 252; p. 242.
Steam-heating apparatus, radiator-valves, and traps for same. The Fisher Governor Co. No. 120,489; Feb. 12; v. 247; p. 475.
Steel. C. & J. Hampton. No. 123,996; Dec. 31; v. 257; p. 1076.
Steel and steel castings, Bar-. Darwin & Milner. No. 120,719; Mar. 5; v. 248; p. 229.
Steel and steel castings, Bar-. Darwin & Milner. No. 123,574; Nov. 19; v. 256; p. 640.
Steel bars and plates. Peter A. Frasse & Co. Nos. 123,118–22; Oct. 15; v. 255; p. 606.
Steel, Bright-finished. Union Drawn Steel Company. No. 121,670; May 14; v. 250; p. 512.
Steel, High-speed tool-. Continuous Reaction Company. No. 121,598; May 14; v. 250; p. 509.
Steel in bar, rod, and other forms, High-speed tool-. Hercules Electric Steel Corporation. No. 123,126; Oct. 15; v. 255; p. 606.
Steel rods and bars, cold-rolled sheet and strip steel, steel wire. Peter A. Frasse & Co. No. 121,613; May 14; v. 250; p. 510.
Steel, Tool-. Halcomb Steel Company. No. 121,892; June 11; v. 251; p. 458.
Steel, Tool-. Hercules Electric Steel Corporation. No. 122,794; Sept. 17; v. 254; p. 651.
Steel, Tool-. Tennessee Coal, Iron & Railroad Co. No. 121,968; June 11; v. 251; p. 460.
Steel, Tool, &c. Firth-Sterling Steel Company. No. 120,368; Feb. 5; v. 247; p. 238.
Steel-wool. American Steel Wool Mfg. Co. No. 123,415; Nov. 12; v. 256; p. 447.

Alphabetical list of trade-marks—Continued.

Stencils, Card-. Rapid Addressing Machine Co. No. 120,631; Feb. 19; v. 247; p. 743.
Stockings. O'Callaghan & Fedden. Nos. 120,281–2; Jan. 29; v. 246; p. 1200.
Stomach-drops. U-Vo-Gast Chemical Company. No. 121,362; Apr. 23; v. 249; p. 983.
Stones, Cut. L. Heller & Son. No. 123,446; Nov. 12; v. 256; p. 448.
Store and display fixtures. Frankel Display Fixture Company. No. 121,551; May 7; v. 250; p. 251.
Stout and ale. Edward & John Burke. No. 120,247; Jan. 29; v. 246; p. 1199.
Stove-polish. Milwaukee Production Company. No. 123,741; Dec. 3; v. 257; p. 188.
Stove-polish, Liquid. Hewitt & Runnels. No. 122,478; Aug. 20; v. 253; p. 743.
Stoves and heaters, Gas and wood. Boyle Manufacturing Co. No. 120,823; Mar. 12; v. 248; p. 495.
Stoves and heaters, Wood, coal, gas, and vapor. American Stove Company. No. 120,471; Feb. 12; v. 247; p. 475.
Stoves and warmers, Gas. H. V. Peet. No. 120,148; Jan. 8; v. 246; p. 566.
Stoves, Coal and wood cooking and heating. R. F. Clark. No. 123,102; Oct. 15; v. 255; p. 605.
Stoves, Fireless cook-. The Toledo Cooker Company. No. 123,002; Oct. 1; v. 255; p. 158.
Stoves, ovens, &c., Gasolene. Brite-Lite Company. No. 123,892; Dec. 17; v. 257; p. 643.
Stoves, Pocket-. The Tapley Specialty Co. No. 121,683; May 14; v. 250; p. 512.
Stoves, ranges, heaters, hot-air furnaces, canners. Phillips & Buttorff Mfg. Co. No. 123,270; Oct. 22; v. 255; p. 825.
Stovepipe-elbows. Fow Manufacturing Co. No. 123,223; Oct. 22; v. 255; p. 824.
Strap-handles (used in railway-cars) and bicycle-grips. Celluloid Company. No. 123,794; Dec. 10; v. 257; p. 403.
Strap-handles (used in railway-cars) and bicycle-grips. Celluloid Company. No. 123,797; Dec. 10; v. 257; p. 403.
Stucco. The Finesco Co. No. 120,732; Mar. 5; v. 248; p. 230.
Stucco composition. The Rocbond Company. No. 121,952; June 11; v. 251; p. 460.
Sugar. Imperial Sugar Company. No. 123,601; Nov. 19; v. 256; p. 641.
Sugar. Savannah Sugar Refining Corporation. No. 122,345; July 23; v. 252; p. 958.
Sugar tablets, Highly-flavored. J. S. Parr. No. 120,418; Feb. 5; v. 247; p. 240.
Suitcase. St. Louis Tin & Sheet Metal Working Company. No. 121,146; Apr. 9; v. 249; p. 503.
Suitcases, traveling-bags, &c. F. H. White Company. No. 123,403; Oct. 29; v. 255; p. 1051.
Suits and coats, Ladies' and misses'. K. Moran. No. 121,472; Apr. 30; v. 249; p. 1219.
Suits and dresses, Outer. Blaskopf & Co. No. 122,182; July 9; v. 252; p. 499.
Suits and overcoats. M. Frank Sons & Company. No. 121,432; Apr. 30; v. 249; p. 1218.
Suits and overcoats. Leopold, Morse Co. No. 123,253; Oct. 1; v. 255; p. 158.
Suits and overcoats, Cloth. B. Wood. No. 121,531; Apr. 30; v. 249; p. 1221.
Suits and overcoats, Men's outer. J. Blach & Sons. No. 120,010; Jan. 1; v. 246; p. 297.
Suits and overcoats, Men's worsted. I. & B. Cohen & Company. No. 120,552; Feb. 19; v. 247; p. 741.
Suits, Boys' play-. Cohn, Goldwater & Company. No. 123,566; Nov. 19; v. 256; p. 640.
Suits, coats, caps, &c., Boys'. Sammy Manufacturing Company. No. 124,050; Dec. 31; v. 257; p. 1077.
Suits, coats, dress-waists, hats, and sweaters, Ladies' outer. M. J. Steinberg Hat & Fur Company. No. 120,294; Jan. 29; v. 246; p. 1201.
Suits, One-piece work-. The H. D. Lee Mercantile Co. No. 120,403; Feb. 5; v. 247; p. 240.
Suits, overcoats, rain-coats, and trousers, Men's. Samuel W. Peck & Co., No. 122,026; June 18; v. 251; p. 671.
Suits, undershirts, and drawers. Men's and boys' union-. Burnham-Munger-Root Dry Goods Co. No. 121,256; Apr. 23; v. 249; p. 979.
Sulfur, Flowers of. Freeport Chemical Company. Nos. 120,733–4; Mar. 5; v. 248; p. 230.
Sulfur, Refined flowers of. Freeport Chemical Company. No. 120,735; Mar. 5; v. 248; p. 230.
Surgical supplies, Certain named. Bauer & Black. No. 120,817; Mar. 12; v. 248; p. 495.
Suspenders and suspender-ends. Everlastik, Incorporated. No. 120,366; Feb. 5; v. 247; p. 238.
Suspenders, garters, belts, hose-supporters, &c. The Resilia Company. No. 120,428; Feb. 5; v. 247; p. 240.
Sweaters. E. West. No. 123,674; Nov. 19; v. 256; p. 643.
Sweaters. P. White. No. 120,306; Jan. 29; v. 246; p. 1201.
Sweaters, sweater-coats, jerseys, &c. Ess Arr Knitting Mills. No. 120,254; Jan. 29; v. 246; p. 1199.
Sweaters, sweater coats and vests. Niagara Falls Knitting Company. No. 120,772; Mar. 5; v. 248; p. 231.
Sweeping and cleaning compounds. Cotto-Waxo Co. No. 121,412; Apr. 30; v. 249; p. 1217.
Sweetmeat-butter. Gordon, Wolf, Cowen Co. No. 122,021; June 18; v. 251; p. 671.
Swings, Lawn-. S. A. Douglass. No. 121,880; June 11; v. 251; p. 458.
Switch-throwing device for railway-switches. G. F. Spencer. No. 121,015; Mar. 19; v. 248; p. 765.
Syringes, serum-containers, clinical thermometers, &c. Macgregor Instrument Company. No. 121,560; May 7; v. 250; p. 251.
Syrup for a non-intoxicating fruit beverage. W. Sheinker & Son. No. 121,959; June 11; v. 251; p. 460.
Syrup for table use. Compound. Atlas Specialty Co. No. 123,968; Dec. 31; v. 257; p. 1075.
Syrup for use as food. The American Sugar Refining Company. No. 121,537; May 7; v. 250; p. 251.
Syrup for use in making a beverage sold as a soft drink, Maltless. J. Hungerford Smith Co. No. 123,815; Dec. 10; v. 257; p. 404.
Syrup, Soda-fountain. Keystone Fruit Products Company. No. 120,589; Feb. 19; v. 247; p. 742.
Syrup, sugar, preserved fruits, Cane and maple. Long Syrup Refining Co. No. 122,650; Sept. 3; v. 254; p. 221.
Syrup, Table-. Alabama-Georgia Syrup Company. No. 120,005; Jan. 1; v. 246; p. 297.
Syrups and candies, Table-. Southwestern Syrup Co. No. 121,101; Apr. 2; v. 249; p. 233.
Syrups for beverages, Prune-. G. J. Keratso. No. 122,492; Aug. 20; v. 253; p. 743.
Syrups for sweetening and flavoring foods. The Lawden Company. No. 123,730; Dec. 3; v. 257; p. 188.
Syrups, Sugar-. The Nulomoline Company. No. 122,983; Oct. 22; v. 255; p. 825.
Syrups, Table-. Mary and Tuma. No. 123,368; Oct. 29; v. 255; p. 1050.
Tables and cabinets and tops for same and stools, Kitchen. The Porcelain Enamel and Manufacturing Company of Baltimore. No. 120,040; Jan. 1; v. 246; p. 298.
Tables, Exercising-. The West Gravitiser Corporation. No. 123,510; Nov. 12; v. 256; p. 450.
Tables, Ironing-. C. Bradshaw. No. 120,548; Feb. 19; v. 247; p. 741.
Tablet, Digestive. Scott & Bowne. No. 122,747; Sept. 10; v. 254; p. 447.
Tablet for indigestion and hyperacidity of the stomach. Regent Sales Co. No. 123,059; Oct. 8; v. 255; p. 362.
Tablets and paper. Eastern Tablet Company. No. 121,605; May 14; v. 250; p. 510.
Tablets and papers, envelops, Writing. The Wynne Paper Co. No. 122,941; Sept. 24; v. 254; p. 864.
Tablets, Breath-. The Reese Company. Nos. 120,426–7; Feb. 5; v. 247; p. 240.
Tablets, composition-books, &c., Writing-. Osborn Paper Company. No. 121,938; June 11; v. 251; p. 460.
Tablets, Cough-. Davies, Rose & Co. No. 120,359; Feb. 5; v. 247; p. 238.
Tablets, Foot and bath. B. B. Forquer. No. 122,076; June 25; v. 251; p. 835.
Tablets for a blood and nerve tonic, Medicated. C. E. Cessna. No. 120,071; Jan. 8; v. 246; p. 563.
Tablets for skin eruptions. Purity Products Corporation. No. 121,095; Apr. 2; v. 249; p. 233.
Tablets for whooping and obstinate coughs and bronchitis. F. J. Ott. No. 124,036; Dec. 31; v. 257; p. 1077.
Tablets, Headache-. D. H. Meloche. No. 122,089; June 25; v. 251; p. 836.
Tablets, Kidney-pills, and cold-tablets, Laxative. The Sentanel Remedies Company. No. 120,641; Feb. 19; v. 247; p. 744.
Tablets, Laxative. M. F. Pratt. No. 121,331; Apr. 23; v. 249; p. 982.
Tablets, Laxative. The Schulze Remedy Co. No. 121,012; Mar. 19; v. 248; p. 765.
Tablets, Medicinal. The Bycol Co. No. 120,338; Feb. 5; v. 247; p. 238.
Tablets, Medicinal. R. C. White. No. 123,078; Oct. 8; v. 255; p. 363.
Tablets, Medicinal. R. C. White. No. 123,404; Oct. 29; v. 255; p. 1051.
Tablets possessing digestive, &c., properties. The G. W. Fort Company. No. 121,431; Apr. 30; v. 249; p. 1218.
Tablets, printing and writing papers, Writing-. Eastern Tablet Company. No. 122,199; July 9; v. 252; p. 499.
Tablets, Stomach and liver. The Cooperative Drug Co. No. 120,554; Feb. 19; v. 247; p. 741.
Tablets, Throat-. R. C. White. No. 123,077; Oct. 8; v. 255; p. 363.
Tablets, Tonic digestive. Oriental Drug Co. No. 121,646; May 14; v. 250; p. 511.
Tachometers. J. W. Jones. No. 123,248; Oct. 22; v. 255; p. 825.
Taffy, Coffee-flavored. H. Jevne Co. No. 121,557; May 7; v. 250; p. 251.
Talking-machine. C. Adams. No. 120,930; Mar. 19; v. 248; p. 763.
Talking-machine disks, Filing-cabinet for. Ready File Co. No. 123,856; Dec. 10; v. 257; p. 405.
Talking-machine records. French-American Phonograph Distributors. Nos. 121,053–5; Apr. 2; v. 249; p. 231.

Talking-machines. Boston Piano & Music Co. No. 120,940; Mar. 19; v. 248; p. 763.
Talking-machines. The Cheney Talking Machine Company. No. 121,405; Apr. 30; v. 249; p. 1217.
Talking-machines. I. P. Florsheim. No. 121,065; Apr. 2; v. 249; p. 232.
Talking-machines. James H. Cumming, Incorporated. No. 122,855; Sept. 24; v. 254; p. 861.
Talking-machines. Shellophone Talking Machine Company. No. 123,489; Nov. 12; v. 256; p. 449.
Talking-machines, needles, records, &c. F. E. Behrendt. No. 122,840; Sept. 24; v. 254; p. 861.
Talking-machines, records, needles, and automatic stops. American Graphophone Company. No. 123,012; Oct. 8; v. 255; p. 361.
Tanks and stand or range boilers. Riverside Boiler Works. No. 120,633; Feb. 19; v. 247; p. 744.
Tanks and water-tanks, Wire-pickling. New England Tank & Tower Company. No. 123,474; Nov. 12; v. 256; p. 449.
Tanning, Certain named chemicals suitable for. Innis, Speiden & Co. No. 121,716; May 21; v. 250; p. 763.
Tanning extract. Chicago Process Company. No. 123,563; Nov. 19; v. 256; p. 640.
Tanning extract. Chicago Process Company. No. 123,694; Dec. 3; v. 257; p. 187.
Tanning extractor preparation. Tanners Extract & Chemical Works. No. 122,759; Sept. 10; v. 254; p. 448.
Tape, Cut-edge. Freydberg Bros. No. 120,378; Feb. 5; v. 247; p. 239.
Tape, Measuring-. E. Z. Davison. No. 122,789; Sept. 17; v. 254; p. 651.
Tape-moistening machines. Liberty Paper Co. No. 123,047; Oct. 8; v. 255; p. 362.
Tapioca and mayonnaise dressing. McCormick & Co. No. 121,467; Apr. 30; v. 249; p. 1219.
Tea. Arbuckle Brothers. No. 122,298; July 23; v. 252; p. 957.
Tea. Brewster, Gordon & Co. Nos. 122,430–1; Aug. 20; v. 253; p. 741.
Tea. Brewster Gordon & Co. Nos. 122,635–6; Sept. 3; v. 254; p. 221.
Tea. C. de Cordova. No. 121,878; June 11; v. 251; p. 458.
Tea. Griggs Cooper Co. No. 120,862; Mar. 12; v. 248; p. 496.
Tea. Hedges-Buck Company. No. 121,554; May 7; v. 250; p. 251.
Tea. S. Kato. Nos. 121,906–7; June 11; v. 251; p. 459.
Tea. E. Levering, Jr. Nos. 122,648–9; Sept. 3; v. 254; p. 221.
Tea. The Tebbetts & Garland Store. No. 120,451; Feb. 5; v. 247; p. 241.
Tea. M. T. Wendell. Nos. 122,170–1; July 2; v. 252; p. 242.
Tea and coffee. Eldridge, Baker Company. No. 123,580; Nov. 19; v. 256; p. 640.
Tea, flavoring extracts, vinegar, canned salmon, &c. F. E. Royston & Company. No. 120,635; Feb. 19; v. 247; p. 744.
Tea-plant extracts, Paraguayan-. J. F. Macadam & Co. No. 122,088; June 25; v. 251; p. 836.
Tea, rice, cinnamon, cloves, &c. R. L. Gerhart. No. 122,694; Sept. 10; v. 254; p. 446.
Teeth-cleaning preparations. The J. B. Williams Company. No. 120,463; Feb. 5; v. 247; p. 241.
Telephone-substation sets. Kellogg Switchboard and Supply Company. No. 124,007; Dec. 31; v. 257; p. 1076.
Terne plates. Lyon, Conklin & Co. No. 120,406; Feb. 5; v. 247; p. 240.
Textile and knit fabrics and materials, Softening and cleansing agent for. Loos & Dilworth. No. 122,891; Sept. 24; v. 254; p. 862.
Textile fabrics, Machines for measuring the length of and for computing the price of measured lengths of. The Econometer Company. No. 122,788; Sept. 17; v. 254; p. 651.
Textile-machines. Whitin Machine Works. No. 121,375; Apr. 23; v. 249; p. 983.
Thermometers. M. C. Shriver. No. 122,237; July 9; v. 252; p. 501.
Thermometers and telethermometers and parts thereof. W. A. Baker. No. 120,937; Mar. 19; v. 248; p. 763.
Thermometers, barometers, rain-gages. Chaney Manufacturing Company. No. 123,200; Oct. 22; v. 255; p. 823.
Thermometers, hypodermic syringes, and parts thereof, Clinical. Becton, Dickinson & Co. No. 120,240; Jan. 29; v. 246; p. 1199.
Thread and yarn, Cotton. The American Thread Company. No. 122,417; Aug. 20; v. 253; p. 741.
Thread and yarn, Cotton sewing-. M. Brodsky & Co. No. 122,060; June 25; v. 251; p. 835.
Thread and yarn, Silk, cotton, or wool. Nonotuck Silk Company. No. 120,211; Jan. 15; v. 246; p. 820.
Thread, Cotton. Summit Thread Company. No. 121,667; May 14; v. 250; p. 512.
Threads and yarns. Bernhard Ulmann Co. Nos. 122,950–1; Oct. 1; v. 255; p. 157.
Threads and yarns. F. A. Patrick & Co. No. 123,269; Oct. 22; v. 255; p. 825.
Threshing-machines. The Aultman & Taylor Machinery Co. No. 121,575; May 14; v. 250; p. 509.
Tile for building construction, Earthenware. Donahey, Moore & Donahey. No. 120,020; Jan. 1; v. 246; p. 297.
Tiles, Clay. American Encaustic Tiling Co. Ltd. No. 123,011; Oct. 8; v. 255; p. 361.
Timepiece-glass. K. Konishi. No. 123,250; Oct. 22; v. 255; p. 825.
Tin and terne plates, black and galvanized sheets. Wheeling Ceiling & Roofing Co. No. 123,180; Oct. 15; v. 255; p. 608.
Tin in pig form. Andes Exploration & Smelting Corporation. No. 120,703; Mar. 5; v. 248; p. 229.
Tinware, Certain named. National Enameling & Stamping Co. No. 123,630; Nov. 19; v. 256; p. 642.
Tire accessories, Certain named pneumatic-. Ajax Rubber Company. No. 123,413; Nov. 12; v. 256; p. 447.
Tire air-tubes, Pneumatic-. Weaver-Ebling Automobile Co. No. 120,536; Feb. 12; v. 247; p. 477.
Tire-chains. Crew Levick Company. No. 121,268; Apr. 23; v. 249; p. 980.
Tire-covers. Gates Manufacturing Co. No. 123,808; Dec. 10; v. 257; p. 404.
Tire-fabric piece goods, Cotton and linen woven. Manhassit Manufacturing Company. No. 120,134; Jan. 8; v. 246; p. 565.
Tire-patch. Hercules Manufacturing Company. No. 122,477; Aug. 20; v. 253; p. 743.
Tire patches and reliners. J. H. and G. L. Atwood, Inc. No. 123,186; Oct. 22; v. 255; p. 823.
Tire-patches, Self-vulcanizing. M. J. Cagle. No. 123,790; Dec. 10; v. 257; p. 403.
Tire-puncture repairing or sealing powder. Defiance Chemical Company. No. 120,252; Jan. 29; v. 246; p. 1199.
Tire-sealing compound. Alcemo Manufacturing Company. No. 122,296; July 23; v. 252; p. 957.
Tire-sealing compounds. Crew Levick Company. No. 120,480; Feb. 12; v. 247; p. 475.
Tire-vulcanizers and tire-vulcanizing patches. The Marvel Accessories Manufacturing Company. No. 121,636; May 14; v. 250; p. 511.
Tires and inner tubes, Rubber. The Combination Rubber Mfg. Co. No. 122,444; Aug. 20; v. 253; p. 742.
Tires and inner tubes therefor, Rubber vehicle-. The Dreadnaught Tire & Rubber Co. No. 121,275; Apr. 23; v. 249; p. 986.
Tires and the like, Cold self-vulcanizing texture-back patch for. C. Peterson. No. 122,523; Aug. 20; v. 253; p. 744.
Tires, Automobile-. Carlisle Cord Tire Company. No. 122,064; June 25; v. 251; p. 835.
Tires, Automobile-. J. M. Gilbert. No. 122,873; Sept. 24; v. 254; p. 862.
Tires, casings, and tubes, Rubber. The Firestone Tire and Rubber Company. No. 122,791; Sept. 17; v. 254; p. 651.
Tires, Elastic vehicle-. The American Rubber and Tire Company. No. 122,418; Aug. 20; v. 253; p. 741.
Tires, Elastic vehicle-. The Goodyear Tire & Rubber Company. No. 123,030; Oct. 8; v. 255; p. 362.
Tires, Inner-tube and casing patches for vehicle-. Lock-tite Patch Company. No. 120,874; Mar. 12; v. 248; p. 496.
Tires, inner tubes, and piston-rings, Automobile. Times Square Auto Supply Co. Inc. No. 123,003; Oct. 1; v. 255; p. 158.
Tires, Inner tubes for. Ajax Rubber Company, No. 121,384; Apr. 30; v. 249; p. 1217.
Tires, Inner tubes for automobile-. R. V. Smith. No. 121,508; Apr. 30; v. 249; p. 1220.
Tires, Inner tubes for rubber. Butler Brothers. No. 122,062; June 25; v. 251; p. 835.
Tires, Non-adhesive patches for the inner tubes of automobile-. E. A. Conroy. No. 121,267; Apr. 23; v. 249; p. 980.
Tires, Patches for the inner tubes and casings of pneumatic. Moco Laboratories. No. 120,205; Jan. 15; v. 246; p. 820.
Tires, Patches for inner tubes of. Southern Turtle-Grip Company. No. 122,925; Sept. 24; v. 254; p. 863.
Tires, &c., Pnuematic. Braender Rubber & Tire Co. No. 123,891; Dec. 17; v. 257; p. 643.
Tires, Pneumatic rubber. The Batavia Rubber Co. No. 121,751; May 28; v. 250; p. 993.
Tires, Pneumatic vehicle-. Indiana Rubber & Insulated Wire Co. No. 123,817; Dec. 10; v. 257; p. 404.
Tires, Rubber. Cupples Company Manufacturers. No. 121,762; May 28; v. 250; p. 993.
Tires, Rubber. McDevitt and Greenspan. No. 122,893; Sept. 24; v. 254; p. 862.
Tires, Rubber. The Mohawk Rubber Co. No. 121,805; May 28; v. 250; p. 995.
Tires, Rubber, &c. The F. E. Partridge Rubber Co. No. 122,524; Aug. 20; v. 253; p. 744.
Tires, Rubber and fabric. Ajax Rubber Company. No. 121,031; Apr. 2; v. 249; p. 231.
Tires, Rubber vehicle-. The Marathon Tire & Rubber Co. No. 120,508; Feb. 12; v. 247; p. 476.
Tires, Vehicle-. Falls Rubber Company. No. 123,217; Oct. 22; v. 255; p. 824.

Tobacco. Capeverdian Trading Co. No. 122,576; Aug. 27; v. 253; p. 949.
Tobacco and cigarettes. The American Tobacco Co. No. 123,416; Nov. 12; v. 256; p. 447.
Tobacco, cigars, and cigarettes. Stone Ordean Wells Co. No. 120,697; Feb. 26; v. 247; p. 962.
Tobacco, cigars, and cigarettes, Smoking and chewing. H. Sutliff. No. 123,068; Oct. 8; v. 255; p. 363.
Tobacco, Twist-. C. H. Bradley. No. 122,675; Sept. 10; v. 254; p. 445.
Toilet preparations. L. E. Faehner. No. 121,280; Apr. 23; v. 249; p. 980.
Toilet preparations and cosmetics. J. Macdonald. No. 122,385; July 30; v. 252; p. 1139.
Toilet preparations and remedies for external use. N. E. Berry. No. 120,062; Jan. 8; v. 246; p. 563.
Toilet preparations and the like, Certain named. Remiller Co. No. 120,111; Jan. 8; v. 246; p. 564.
Toilet preparations, Certain named. All-Package Grocery Stores Co. No. 120,053; Jan. 8; v. 246; p. 563.
Toilet preparations, Certain named. American Drug & Press Association. No. 120,313; Feb. 5; v. 247; p. 237.
Toilet preparations, Certain named. Block & Kuhl Company. No. 121,692; May 21; v. 250; p. 763.
Toilet preparations, Certain named. George Borgfeldt & Co. No. 120,063; Jan. 8; v. 246; p. 563.
Toilet preparations, Certain named. A. Bourjois & Co. No. 120,064; Jan 8; v. 246; p. 563.
Toilet preparations, Certain named. A. Bourjois & Co. No. 120,161; Jan. 15; v. 246; p. 819.
Toilet preparations, Certain named. A. Bourjois & Co. No. 120,330; Feb. 5; v. 247; p. 237.
Toilet preparations, Certain named. W. B. Coates, Jr. No. 120,072; Jan. 8; v. 246; p. 563.
Toilet preparations, Certain named. L. R. Dawley. No. 120,076; Jan. 8; v. 246; p. 563.
Toilet preparations. Certain named. Gerhard Mennen Chemical Co. No. 121,288; Apr. 23; v. 249; p. 980.
Toilet preparations, Certain named. Independent Drug Company. No. 121,300; Apr. 23; v. 249; p. 981.
Toilet preparations, Certain named. M. K. Ivah. No. 120,197; Jan. 15; v. 246; p. 820.
Toilet preparations, Certain named. McClintons Limited. No. 120,884; Mar. 12; v. 248; p. 497.
Toilet preparations, Certain named. Nu-Jene Toilet Co. No. 123,379; Oct. 29; v. 255; p. 1051.
Toilet preparations, Certain named. E. Richards. No. 120,112; Jan. 8; v. 246; p. 564.
Toilet preparations, Certain named. H. Rigaud. No. 120,113; Jan. 8; v. 246; p. 564.
Toilet preparations, Certain named. Wm. H. McClure. No. 120,602; Feb. 19; v. 247; p. 743.
Toilet preparations, Certain named. C. B. Woodworth Sons Corporation. No. 120,464; Feb. 5; v. 247; p. 241.
Toilet preparations, &c., Certain named. B. C. Mathes. No. 123,369; Oct. 29; v. 255; p. 1050.
Toilet waters and talcum powders. The J. B. Williams Company. No. 123,407; Oct. 29; v. 255; p. 1052.
Tomato sauce. Societa Generale delle Conserve Alimintari Cirio. No. 120,443; Feb. 5; v. 247; p. 241.
Tonic, also a medical preparation for skin diseases, Nerve-. Gold Cross Remedy Company. No. 121,776; May 28; v. 250; p. 994.
Tonic and a preparation for certain named diseases, Throat and lung. W. J. Scafe. No. 124,051; Dec. 31; v. 257; p. 1077.
Tonic and medicine. Goldine Manufacturing Company. No. 122,462; Aug. 20; v. 253; p. 742.
Tonic and remedy for fowls. Germo Manufacturing Company. No. 120,095; Jan. 8; v. 246; p. 564.
Tonic and stimulant, Nerve-. C. H. Fryer. No. 123,807; Dec. 10; v. 257; p. 404.
Tonic and system-cleanser for treatment of venereal diseases and blood disorders. M. Maurin. No. 120,410; Feb. 5; v. 247; p. 240.
Tonic, Blood-. F. Mills. No. 122,332; July 23; v. 252; p. 958.
Tonic compound for general debility, &c. G. Logotheti. No. 123,911; Dec. 17; v. 257; p. 644.
Tonic, Fever-. J. Green. No. 122,082; June 25; v. 251; p. 836.
Tonic for diseases of the nerves, anemia, &c. M. R. Mendelsohn. No. 123,468; Nov. 12; v. 256; p. 448.
Tonic for kidney trouble. Herb. C. Fleming. No. 122,453; Aug. 20; v. 253; p. 742.
Tonic for swine. Fayette Live Stock Supply Co. No. 123,584; Nov. 19; v. 256; p. 640.
Tonic for the blood. World's Dispensary Medical Association. No. 123,007; Oct. 1; v. 255; p. 159.
Tonic for the liver and digestive organs. L. H. Embry. No. 122,688; Sept. 10; v. 254; p. 445.
Tonic for torpid liver and nerves. W. H. Johnson. No. 122,591; Aug. 27; v. 253; p. 949.
Tonic for use in the treatment of coughs and colds, &c. T. McMullin. No. 123,836; Dec. 10; v. 257; p. 405.
Tonic, General. Lyko Medicine Company. No. 122,330; July 23; v. 252; p. 958.
Tonic in tablet form. I. Horovitz. No. 120,867; Mar. 12; v. 248; p. 496.
Tonic in tablet form. H. R. Lathrop & Co. No. 120,754; Mar. 5; v. 248; p. 230.
Tonic, Medicinal. S. N. Sakorraphos. No. 122,916; Sept. 24; v. 254; p. 863.
Tonic, Medicinal restorative. G. W. Carnrick Co. No. 121,160; Apr. 16; v. 249; p. 735.
Tonic, Nerve-. The Sentanel Remedies Company. No. 121,100; Apr. 2; v. 249; p. 233.
Tonic, Reconstructive. S. A. Brown. No. 123,974; Dec. 31; v. 257; p. 1075.
Tonic, Reconstructive. Greeley Chemical Company. No. 121,057; Apr. 2; v. 249; p. 232.
Tonic, Stock food. International Stock Food Co. No. 123,356; Oct. 29; v. 255; p. 1050.
Tonic, Stomach, nerve, and liver. M. Drum. No. 121,706; May 21; v. 250; p. 763.
Tonics. R. A. D. Carbonell. No. 120,077; Jan. 8; v. 246; p. 563.
Tonics, Antimalarial and general. Wintersmith Chemical Co. No. 121,995; June 11; v. 251; p. 461.
Tonics, eczema, skin, and ulcer ointment, Uterine and anemia. Occidental Medicine Co. No. 122,337; July 23; v. 252; p. 958.
Tonics, liver-pills, cold-tablets, Chill and hair. The Tropical Co-Operative Company. No. 123,396; Oct. 29; v. 255; p. 1051.
Tool-bits, twist-drills, milling-cutters, &c., High-speed-steel. L. C. Blancke Co. No. 120,708; Mar. 5; v. 248; p. 229.
Tool-holders and parts thereof, all being parts of machinery. J. T. D. Hutton. No. 121,622; May 14; v. 250; p. 510.
Tools, Certain named. Walter Spencer & Co. No. 120,448; Feb. 5; v. 247; p. 241.
Tools for cutting, forming, or holding, Metal. Darwin & Milner. No. 120,357; Feb. 5; v. 247; p. 238.
Tooth-cleaning paste. Eau de Cologne Fabriek v. h. J. C. Boldoot. No. 122,687; Sept. 10; v. 254; p. 445.
Tooth-filling compound. The J. M. Ney Company. No. 120,147; Jan. 8; v. 246; p. 566.
Tooth-paste. Hopkins Chemical Co. No. 123,814; Dec. 10; v. 257; p. 404.
Tooth-paste, liquid tooth-wash, dental soap. H. W. Allen. No. 121,386; Apr. 30; v. 249; p. 1217.
Tooth-paste or dental cream. The Arista Corporation. No. 123,411; Nov. 12; v. 256; p. 447.
Toothpicks. Cutter-Tower Company. No. 120,557; Feb. 19; v. 247; p. 741.
Toothpicks. Cutter-Tower Company. No. 121,170; Apr. 16; v. 249; p. 735.
Toothpicks. Wausau Manufacturing Co. No. 122,553; Aug. 20; v. 253; p. 745.
Torches and gas-tanks, Welding and cutting. Evleth-Lindsay Company. No. 123,803; Dec. 10; v. 257; p. 404.
Torches, plumbers' and tinners' fire-pots, Blow-. P. Wall Manufacturing Supply Co. No. 123,874; Dec. 10; v. 257; p. 406.
Toy construction-blocks. The Toy Tinkers. No. 121,021; Mar. 19; v. 248; p. 765.
Toy dolls and animals. Geo. Borgfeldt & Co. No. 120,822; Mar. 12; v. 248; p. 495.
Toy, Figure. Weiss and Mangan. No. 121,024; Mar. 19; v. 248; p. 766.
Toy knitters and outfits of sewing-cards. Milton Bradley Co. No. 120,764; Mar. 5; v. 248; p. 231.
Toy moving-picture machines. G. W. Witte. No. 121,232; Apr. 16; v. 249; p. 737.
Toy tea sets. Morimura Bros. No. 123,742; Dec. 3; v. 257; p. 188.
Toy torpedo. The National Fireworks Distributing Co. No. 122,225; July 9; v. 252; p. 500.
Toy vehicle. The Ideal Lamp Manufacturing Company. No. 122,706; Sept. 10; v. 254; p. 446.
Toy vehicles, Children's. J. P. Findley. No. 120,487; Feb. 12; v. 247; p. 475.
Toys, Certain named. George Borgfeldt & Co. No. 120,821; Mar. 12; v. 248; p. 495.
Toys, Certain named. M. Gerberg. No. 120,023; Jan. 1; v. 246; p. 297.
Toys, Constructional. The Matchless Metal Polish Company. No. 120,202; Jan. 15; v. 246; p. 820.
Toys, Lung-testing. W. Zolper. No. 122,405; July 30; v. 252; p. 1140.
Traction-engines, combined harvesters, plowing and harrowing outfits. The Holt Manufacturing Company. No. 120,744; Mar. 5; v. 248; p. 230.
Tractors. Buckeye Manufacturing Company. No. 123,095; Oct. 15; v. 255; p. 605.
Tractors. Henry Ford & Son. No. 120,966; Mar. 19; v. 248; p. 764.
Tractors. Independent Tractor Company. No. 123,131; Oct. 15; v. 255; p. 606.
Tractors. J. M. Kroyer. No. 123,609; Nov. 19; v. 256; p. 641.
Tractors. J. M. Kroyer. No. 124,011; Dec. 31; v. 257; p. 1076.
Tractors. Nilson Tractor Company. No. 124,030; Dec. 31; v. 257; p. 1077.
Tractors and automobile tractor devices. Knickerbocker Motors. No. 120,198; Jan. 15; v. 246; p. 820.
Tractors, internal-combustion engines, and their parts, Farm-. Chief Tractor M'f'g Co. No. 122,440; Aug 20; v. 253; p. 741.

Alphabetical list of trade-marks—Continued.

Tractors, Farm-. American Engine & Tractor Company. No. 123,963; Dec. 31; v. 257; p. 1075.
Transmission and brake linings. Advance Automobile Accessories Corp. No. 120,467; Feb. 12; v. 247; p. 475.
Traps, Animal-. C. B. Trumble. No. 122,116; June 25; v. 251; p. 837.
Traps, Mouse and rat. Iron Cat Co. No. 121,624; May 14; v. 250; p. 510.
Traps, Rat and mouse. M. E. Dorsch. No. 120,079; Jan. 8; v. 246; p. 563.
Treatment for certain named troubles. H. K. Eezima. No. 120,258; Jan. 29; v. 246; p. 1199.
Trousers. M. T. Gregg. No. 120,132; Jan. 8; v. 246; p. 565.
Trousers. Shull-Day Co. No. 120,907; Mar. 12; v. 248; p. 497.
Trousers-stretchers. Hiatt & Wood. No. 121,446; Apr. 30; v. 249; p. 1219.
Trucks and automobiles, Motor-. Hamilton Motors Corporation. No. 120,739; Mar. 5; v. 248; p. 230.
Trucks and automobiles, Motor-. H. E. Wilcox Motor Company. No. 120,649; Feb. 19; v. 247; p. 744.
Trucks and road-tractors, Automobile-. United Auto Dealers' Mfg. Co. No. 120,802; Mar. 5; v. 248; p. 232.
Trucks, Automobile-. Bethlehem Motors Corporation. No. 123,013; Oct. 8; v. 255; p. 361.
Trucks, Automobile-. C. A. Smith. No. 121,665; May 14; v. 250; p. 511.
Trucks, chassis, automobile parts and accessories, Automobile. Longford Company of America. No. 121,192; Apr. 16; v. 249; p. 736.
Trucks, Hand-drawn. Lyon Metallic Manufacturing Company. No. 123,831; Dec. 10; v. 257; p. 405.
Trucks, Industrial motor-. Karry-Lode Industrial Truck Co. No. 121,905; June 11; v. 251; p. 459.
Trunks. John Wanamaker, New York. No. 120,535; Feb. 12; v. 247; p. 477.
Tube-repair kits. F. Ducasse. No. 120,483; Feb. 12; v. 247; p. 475.
Tube-repair kits. The Miller Rubber Company. No. 122,513; Aug. 20; v. 253; p. 744.
Tubes and copper ferrules for same, Boiler-. Chicago Tube and Iron Company. No. 122,439; Aug. 20; v. 253; p. 741.
Tubes, Steel. The Elyria Iron and Steel Company. No. 122,075; June 25; v. 251; p. 835.
Tubes to contain liquid or fluid substances, Collapsible. Perfex Corporation. No. 123,750; Dec. 3; v. 257; p. 189.
Turpentine for paints and varnishes, Solvent. Busch & Jolles. No. 121,862; June 11; v. 251; p. 457.
Turpentine spirits. Busch & Jolles. No. 121,863; June 11; v. 251; p. 457.
Turpentine substitutes. Petroleum Refining Company. Nos. 122,811–12; Sept. 17; v. 254; p. 652.
Twine. The Linen Thread Co. No. 120,505; Feb. 12; v. 247; p. 476.
Twine, Flax sail-. Jones, Mundy & Co. No. 121,450; Apr. 30; v. 249; p. 1219.
Twines, clothes-lines, seaming-cords. American Core-Twine Company. No. 123,010; Oct. 8; v. 255; p. 361.
Twines, cordage, ropes. Frank W. Winne & Son. No. 121,572; May 7; v. 250; p. 252.
Twister-rings and drop-wires. Draper Corporation. No. 121,274; Apr. 23; v. 249; p. 980.
Type, Fonts of. Automatic Record Company. No. 123,187; Oct. 22; v. 255; p. 823.
Type-writer and adding-machine shock-absorbers. E. & W. Pussyfoot Co. No. 123,275; Oct. 22; v. 255; p. 825.
Type-writer ribbons and carbon-paper. Remington Typewriter Company. No. 120,220; Jan. 15; v. 246; p. 821.
Type-writer ribbons and carbon-paper. Remington Typewriter Company. No. 120,781; Mar. 5; v. 248; p. 231.
Type-writer ribbons and carbon-paper. Remington Typewriter Company. No. 123,158. Oct. 15; v. 255; p. 607.
Type-writers and type-writer parts. The Woodstock Typewriter Company. Nos. 121,380–1; Apr. 23; v. 249; p. 983.
Type-writing machines and parts thereof. Royal Typewriter Company. No. 120,433; Feb. 5; v. 247; p. 240.
Umbrellas, parasols, frames and trimmings thereof. Fretz, Gross & Co. No. 122,381; July 30; v. 252; p. 1139.
Undergarment for women. Schuylkill Silk Mills. No. 122,236; July 9; v. 252; p. 501.
Underwaists. I. B. Johnson. No. 121,903; June 11; v. 251; p. 458.
Underwear. Fordom Textile Company. Nos. 121,771–2; May 28; v. 250; p. 994.
Underwear and lingerie and children's dresses, Women's and children's. J. Lunepp. No. 123,830; Dec. 10; v. 257; p. 404.
Underwear, Ladies' and misses' flat. Barrow Mfg. Co. No. 122,177; July 9; v. 252; p. 499.
Underwear, Ladies' combination-. Birkenfeld, Strauss & Co. No. 123,783; Dec. 10; v. 257; p. 403.
Underwear, Ladies' athletic union-. Apparel Manufacturing Company No. 123,534; Nov. 19; v. 256; p. 639.
Underwear, Ladies' textile athletic. D. E. Sicher & Co. No. 120,293; Jan. 29; v. 246; p. 1201.
Underwear, Textile. Francis T. Simmons & Co. No. 123,861; Dec. 10; v. 257; p. 405.
Underwear, union-suits, pajamas, &c., Athletic. The Alvo Company. No. 120,235; Jan. 29; v. 246; p. 1199.
Underwear—viz., union-suits, Textile. Francis T. Simmons & Co. No. 122,749; Sept. 10; v. 254; p. 447.
Union-suits and infants' wrappers, Children's waist. Amazon Products Co. No. 123,773; Dec. 10; v. 257; p. 403.
Vaccins, Curative. Etablissements Poulenc Frères. Nos. 123,436–7; Nov. 12; v. 256; pp. 447–8.
Valve-cups formed of rubberized fabric. Parker Cup & Specialty Works. No. 121,814; May 28; v. 250; p. 995.
Valve device for attachment to fuel-supply manifolds of internal-combustion engines. A. C. Waters. No. 122,832; Sept. 17; v. 254; p. 653.
Valves, Certain named. The Fisher Governor Co. No. 120,183; Jan. 15; v. 246; p. 820.
Valves for air and gas pumps. Worthington Pump and Machinery Corporation. No. 120,927; Mar. 12; v. 248; p. 498.
Valves for gas and other explosive-engines. Alloy Metal Products Corporation. No. 123,960; Dec. 31; v. 257; p. 1075.
Valves for gas-engines, Devices for imparting a rotative movement to puppet-. Continental Engineering Corporation. No. 120,351; Feb. 5; v. 247; p. 238.
Valves, pressure-reducers, and piping for a dispensing system. Allen Pressure System Co. No. 120,153. Jan. 15; v. 246; p. 819.
Varnish. John W. Masury & Son. No. 121,918; June 11; v. 251; p. 459.
Varnish. John W. Masury & Son. No. 123,622; Nov. 19; v. 256; p. 642.
Varnish-preservative. Aljo Chemical Co. No. 123,959; Dec. 31; v. 257; p. 1075.
Varnishes. Cooper-Bell Varnish Co. No. 122,191; July 9; v. 252; p. 499.
Varnishes. A. F. Hughes. No. 123,128; Oct. 15; v. 255; p. 606.
Varnishes. Wadsworth, Howland & Co. No. 120,457; Feb. 5; v. 247; p. 241.
Varnishes, driers, japans, paints, enamels. The Tower Varnish & Dryer Company. No. 121,668; May 14; v. 250; p. 512.
Varnishes, enamels, and varnish-stains. Murphy Varnish Company. No. 121,924; June 11; v. 251; p. 459.
Varnishes, enamels, stains, and colors in oil. W. H. Wright. No. 120,466; Feb. 5; v. 247; p. 241.
Varnishes, stains, enamels, &c. Standard Varnish Works. No. 122,241; July 9; v. 252; p. 501.
Varnishes, varnish-stains, stains, enamels, oil-finishes. Carpenter-Morton Company. No. 121,261; Apr. 23; v. 249; p. 979.
Vehicle replace curtain-lights. The Charles H. Buettner Company. No. 122,846; Sept. 24; v. 254; p. 861.
Vehicle stop and direction indicators, Electrically-operated. J. B. Blair. No. 122,772; Sept. 17; v. 254; p. 651.
Vehicles, Electrically-propelled trucking-. Cowan Truck Company. No. 120,960; Mar. 19; v. 248; p. 764.
Veils. Silverberg Import Co. No. 120,909; Mar. 12; v. 248; p. 498.
Veils. E. & Z. Van Raalte. No. 121,521; Apr. 30; v. 249; p. 1221.
Veils. E. & Z. Van Raalte. No. 122,400; July 30; v. 252; p. 1140.
Veils and hair-nets. Silverberg Import Co. No. 122,395; July 30; v. 252; p. 1140.
Velocipedes. J. A. Bried. No. 120,825; Mar. 12; v. 248; p. 495.
Velocipedes. The Phonoharp Company. No. 121,206; Apr. 16; v. 249; p. 736.
Velvets, corduroys, silks, &c., all in the piece. Dave Rubinger & Bro. No. 121,499; Apr. 30; v. 249; p. 1220.
Velvets, velveteens, silks, &c. A. L. Simon & Co. No. 123,924; Dec. 17; v. 257; p. 644.
Vending-machines. Peoria-Novelty Co. No. 121,090; Apr. 2; v. 249; p. 232.
Ventilating-louvers. Batterman Truitt Company. No. 123,780; Dec. 10; v. 257; p. 403.
Vermicelli, macaroni, spaghetti, &c. L. E. Schoenfeld. No. 120,436; Feb. 5; v. 247; p. 241.
Vermifuge, Liquid. Lanman & Kemp. No. 123,610; Nov. 19; v. 256; p. 641.
Vermin and insect exterminator used on trees, vegetables, &c. United Liquid Sulphur Co. No. 121,737; May 21; v. 250; p. 764.
Veterinary liniment. Marion Stock Remedy Company. No. 120,135; Jan. 8; v. 246; p. 565.
Veterinary medicine. H. G. Freund. No. 122,311; July 23; v. 252; p. 957.
Veterinary remedies. Standard Remedy Company. No. 120,788; Mar. 5; v. 248; p. 232.
Vises. Bonney Vise & Tool Works. No. 122,429; Aug. 20; v. 253; p. 741.
Vulcanized fiber. American Vulcanized Fibre Company. No. 121,745; May 28; v. 250; p. 993.
Vulcanizer for use with tires and tubes. G. S. Kinney. No. 123,810; Dec. 10; v. 257; p. 404.

Wagons and automobiles, Farm and delivery. The Milburn Wagon Company. No. 120,038; Jan. 1; v. 246; p. 298.
Waists and collars, Ladies' shirt and dress. J. & M. Cohn. No. 120,848; Mar. 12; v. 248; p. 496.
Waists, dresses, skirts, Ladies'. Makegood Waist Company. No. 124,018; Dec. 31; v. 257; p. 1076.
Waists, Ladies'. Empress Waist Co. No. 120,855; Mar. 12; v. 248; p. 496.
Waists, Ladies' dress and shirt. S. Gross & Co. No. 120,300; Jan. 29; v. 246; p. 1201.
Wall-board and building-paper. The Kenmore Wall Board Company. No. 122,217; July 9; v. 252; p. 500.
Walnut sauce. California Walnut Sauce Co. No. 123,689; Dec. 3; v. 257; p. 187.
Walnuts. Orange County Realty Company. No. 121,138; Apr. 9; v. 249; p. 503.
Washing and cleansing fluid. A. Houle & Sons. No. 120,700; Mar. 5; v. 248; p. 229.
Washing compound. Ideal Manufacturing Company. No. 122,882; Sept. 24; v. 254; p. 862.
Washing compound. P. J. Lowry. No. 122,892; Sept. 24; v. 254; p. 862.
Washing compound. Morey Bros. No. 122,283; July 16; v. 252; p. 742.
Washing compound. C. A. Winter. No. 120,653; Feb. 19; v. 247; p. 744.
Washing compound for fabrics. T. H. Smith. No. 123,066; Oct. 8; v. 255; p. 362.
Washing compound, Soluble. W. Kalitzky. No. 121,227; Apr. 16; v. 249; p. 737.
Washing machines and combined washing-machines and wringers, Laundry-. St. Louis Washing Machine Company. No. 123,392; Oct. 29; v. 255; p. 1051.
Washing-powder. Washington Cleanser Co. No. 123,875; Dec. 10; v. 257; p. 406.
Washing-powder and cleanser. J. D. La Croix. No. 122,504; Aug. 20; v. 253; p. 743.
Washing-powders, cleansers, soaps. The Frank A. Steele Co. No. 121,017; Mar. 19; v. 248; p. 765.
Washtub-covers. Patent Metal Company. No. 120,624; Feb. 19; v. 247; p. 743.
Watch-crystals. Henry Zimmern & Company. No. 120,928; Mar. 12; v. 248; p. 498.
Watch-glasses. T. Jéquier & Cie. No. 120,678; Feb. 26; v. 247; p. 961.
Watch-glasses. J. Watts. No. 123,876; Dec. 10; v. 257; p. 406.
Watch-movements. B. L. Strasburger. No. 121,510; Apr. 30; v. 249; p. 1221.
Watch-movements, watchcases, watches. B. L. Strasburger. Nos. 123,865–6; Dec. 10; v. 257; p. 406.
Watches. Dubois Watch Case Company. Nos. 121,704–5; May 28; v. 250; p. 993.
Watches. Dubois Watch Case Company. No. 122,198; July 9; v. 252; p. 499.
Watches. Goldsmith, Stern & Co. Nos. 123,711–13; Dec. 3; v. 257; pp. 187–8.
Watches. Waltham Watch Company. No. 120,304; Jan. 29; v. 246; p. 1201.
Watches and clocks. J. F. Mansfield. No. 121,195; Apr. 16; v. 249; p. 736.
Watches and clocks. Rueff Bros. Nos. 120,636–7; Feb. 19; v. 247; p. 744.
Watches and watch-movements. The Hampden Watch Company. No. 121,060; Apr. 2; v. 249; p. 232.
Watches and watch-movements. The Hampden Watch Company. No. 121,181; Apr. 16; v. 249; p. 736.
Watches and watch-movements. The Hampden Watch Company. Nos. 122,466–9; Aug. 20; v. 253; p. 742.
Watches and watch-movements. The Hampden Watch Company. No. 122,471; Aug. 20; v. 253; p. 742.
Watches, bracelet and sautoire watches, watch-movements. American Watch Case Co. No. 120,319; Feb. 5; v. 247; p. 237.
Watches, watch cases and movements. Adolphe Schwob, Inc. No. 122,528; Aug. 20; v. 253; p. 744.
Watches, watch-movements, watchcases, and parts thereof. A. Wiss. No. 120,811; Mar. 5; v. 248; p. 232.
Watches, watchcases, and watch-movements. Adolphe Schwob, Inc. No. 122,536; Aug. 20; v. 253; p. 744.
Watchcases and watch-movements. The Wadsworth Watch Case Company. No. 122,933; Sept. 24; v. 254; p. 864.
Water, Artificially-prepared medicinal. Modern Drug & Commercial Co. No. 121,085; Apr. 2; v. 249; p. 232.
Water, Florida. Lanman & Kemp. No. 123,729; Dec. 3; v. 257; p. 188.
Water, Florida. Lanman & Kemp. No. 123,827; Dec. 10; v. 257; p. 404.
Water for drinking and other purposes, Distilled. Standard Water Systems Co. No. 121,350; Apr. 23; v. 249; p. 982.
Water-heaters, combination-boilers, &c., Gas. S. Leavitt. No. 122,889; Sept. 24; v. 254; p. 862.
Water, Medicinal spring-. R. T. Joy. No. 121,627; May 14; v. 250; p. 510.
Water, Mineral. Andover Laxine Water Company. No. 122,365; July 30; v. 252; p. 1139.
Water, Mineral. L. A. Page. No. 121,563; May 7; v. 250; p. 252.
Water, Natural mineral. M. A. Barr. No. 120,936; Mar. 19; v. 248; p. 763.
Water, Natural mineral. Società Anonima Fiuggi. No. 121,730; May 21; v. 250; p. 764.
Water-softening compounds, Chemical. The Staten Island Chemical Corporation. No. 122,242; July 9; v. 252; p. 501.
Water, Spring-. C. C. Fogg. No. 121,179; Apr. 16; v. 249; p. 736.
Water, Spring-. John Graf Company. No. 121,614; May 14; v. 250; p. 510.
Water, Spring-. T. W. Schaeffer. No. 123,759; Dec. 3; v. 257; p. 189.
Waters and non-alcoholic beverages, Mineral. Cloverdale Spring Company. No. 120,016; Jan. 1; v. 246; p. 297.
Waterproof and weatherproof building and roofing material. Goodridge-Call Lumber Company. No. 120,190; Jan. 15. v. 246; p. 820.
Waterproof cement for leather goods, belting, &c. The Ulmer Leather Co. Nos. 122,547–8; Aug. 20; v. 253; p. 745.
Waterproofed pile fabrics and corduroys. Howlett & Hockmeyer. No. 122,481; Aug. 20; v. 253; p. 743.
Waterproofing compound for textile fabrics. M. B. Mayer. No. 123,371; Oct. 29; v. 255; p. 1050.
Waterproofing preparation for certain named purposes. Brooks & Doerr. No. 123,422; Nov. 12; v. 256; p. 447.
Waxes, Mineral. Smith & Nichols. No. 122,826; Sept. 17; v. 254; p. 653.
Web stretching and guiding machines. The Forsyth Dyeing Co. No. 120,373; Feb. 5; v. 247; p. 239.
Weighers, Grain-. Ideal Grain Weigher Company. No. 120,748; Mar. 5; v. 248; p. 230.
Wheels and parts thereof, Vehicle-. Budd Wheel Corporation. No. 121,157; Apr. 16; v. 249; p. 735.
Wheels and parts thereof, Vehicle-. Wire Wheel Corporation of America. No. 123,880; Dec. 10; v. 257; p. 406.
Wheels for vehicles, Load-carrying. National Wire Wheel Works. No. 121,809; May 28; v. 250; p. 995.
Wheels, Grinding and polishing. Abrasive Company. No. 121,029; Apr. 2; v. 249; p. 231.
Wheels, Load-carrying. Detroit Pressed Steel Company. No. 122,071; June 25; v. 251; p. 835.
Wheels, rims, and rim-clamps, Vehicle-. Interlocking Rim and Wheel Company. No. 123,818; Dec. 10; v. 257; p. 404.
Wheels used in measuring appliances, Register-. Celluloid Company. No. 123,199; Oct. 22; v. 255; p. 823.
Whisky. James Buchanan & Co. No. 120,069; Jan. 8; v. 246; p. 563.
Whisky. James Buchanan & Co. No. 120,826; Mar. 12; v. 248; p. 495.
Whisky. J. A. Quinn. No. 120,630; Feb. 19; v. 247; p. 743.
Whisky. Train & McIntyre. No. 120,272; Jan. 29; v. 246; p. 1200.
Whisky. William Penn Hotel Company. No. 122,985; Oct. 1; v. 255; p. 158.
Whitening and cleaning liquid for leather and canvas. Whittemore Brothers Corporation. No. 120,461; Feb. 5; v. 247; p. 241.
Wind-shield cleaners. Tri-Continental Corporation. No. 123,173; Oct. 15; v. 255; p. 608.
Wind-shield, &c., clearing device. C. White. No. 123,677; Nov. 19; v. 256; p. 643.
Wind-shield, window and the like wiper devices. White Lock Company. No. 122,248; July 9; v. 252; p. 501.
Window-washers' safety devices. G. F. Minnis. No. 120,510; Feb. 12; v. 247; p. 476.
Windows. Ventilator attachment for. H. T. Hall. No. 123,812; Dec. 10; v. 257; p. 404.
Wine. The Chardeau Company. No. 123,022; Oct. 8; v. 255; p. 361.
Wine. H. P. Schroeder. No. 122,656; Sept. 3; v. 254; p. 221.
Wines. California Wine Association. Nos. 123,328–9; Oct. 29; v. 255; p. 1049.
Wines. The Sweet Valley Wine Company. No. 120,298; Jan. 29; v. 246; p. 1201.
Wines, champagnes. Beau-Site Company. No. 121,691; May 21; v. 250; p. 763.
Wines, Sparkling. Bosco & Company. No. 121,694; May 21; v. 250; p. 763.
Wire and like member for power transmission, &c., Spiral-. Bowden Wire Ltd. No. 121,398; Apr. 30; v. 249; p. 1217.
Wire fabrics used particularly as spring-bottoms for beds, &c. Gasau-Thompson Company. No. 120,185; Jan. 15; v. 246; p. 820.
Wire, &c., for power-transmission and other purposes, Spiral. Bowden Wire Limited. Nos. 123-091–4; Oct. 15; v. 255; p. 605.
Wire, Steel. C. Tennant Sons & Co. of New York. No. 121,969; June 11; v. 251; p. 460.
Wire, woven-wire and wire fencings, Barb-. American Steel & Wire Company. No. 120,701; Mar. 5; v. 248; p. 229.
Wires made of precious and plated metals, zinc, &c. W. S. Hough, Jr. Co. No. 120,496; Feb. 12; v. 247; p. 476.

Alphabetical list of trade-marks—Continued.

Wires, wire fence, Barbed and fence. Keystone Steel & Wire Company. Nos. 122,493–501; Aug. 20; v. 253; p. 743.
Wireless apparatus, Certain named. Sears, Roebuck and Co. No. 120,438; Feb. 5; v. 247; p. 241.
Wiring-knobs, Porcelain. Trenton Porcelain Company. No. 121,359; Apr. 23; v. 249; p. 982.
Wood-expanding preparations, Liquid. Eureka Liquid Wheel Tightener Company. No. 120,181; Jan. 15; v. 246; p. 820.
Wood, Laminated. Haskelite Manufacturing Corporation. No. 122,211; July 9; v. 252; p. 500.
Wood-preservative, Oil. E. I. du Pont de Nemours & Company. No. 123,579; Nov. 19; v. 256; p. 640.
Wood-preservatives. Carbolineum Wood Preserving Company. No. 121,868; June 11; v. 251; p. 457.
Wood-preserver. American Tar Products Company. No. 122,053; June 25; v. 251; p. 835.
Wood which by treatment has been made suitable for pencil-wood. Aktieselskabet Scandinavian Pencil Wood Company. No. 120,052; Jan. 8; v. 246; p. 563.
Wool-batting. Marshall Field & Company. No. 122,895; Sept. 24; v. 254; p. 862.
Wool, Medicated. V. A. Wawn. No. 120,806; Mar. 5; v. 248; p. 232.
Woolen and cotton piece goods. China & Japan Trading Company. No. 123,204; Oct. 22; v. 255; p. 823.
Woolen piece goods. Forstmann & Huffmann Co. No. 122,382; July 30; v. 252; p. 1139.
Woolen, worsted, hair, &c., piece goods. The Cravenette Co., U. S. A. No. 121,413; Apr. 30; v. 249; p. 1218.
Woven fabrics provided with a coating to give the appearance of leather. Du Pont Fabrikoid Company. No. 120,081; Jan. 8; v. 246; p. 564.
Wrenches. Walden-Worcester. No. 121,982; June 11; v. 251; p. 461.
Writing-machines, Stenographic. The Stenotype Company. No. 122,543; Aug. 20; v. 253; p. 745.
Writing on metals, Machine for. William Brewster Company. No. 123,544; Nov. 19; v. 256; p. 639.
X-ray tables and stands. The Wm. Meyer Co. No. 123,146; Oct. 15; v. 255; p. 607.
X-ray tables and stands. The Wm. Meyer Co. No. 123,625; Nov. 19; v. 256; p. 642.
X-ray tubes. Wm. Meyer Co. No. 123,147; Oct. 15; v 255; p 607
Xylophones. J. C. Deagan Musical Bells. No. 121,171; Apr. 16; v. 249; p. 735.
Yarn, machine-twist knitting, reeled, and sewing silks, Spun-silk. No. 122,437; Aug. 20; v. 253; p. 741.
Yarn, woolen yarn, and yarn for hand-knitting. Horner Bros. No. 120,674; Feb. 26; v. 247; p. 961.
Yarns. Eaton Rapids Woolen Mills. No. 122,959; Oct. 1; v. 255; p. 157.
Yarns. Lyon Carpet Co. No. 123,832; Dec. 10; v. 257; p. 405.
Yarns. Lyon Carpet Company. No. 123,916; Dec. 17; v. 257; p. 644.
Yarns. The New England Yarn Company. No. 120,512; Feb. 12; v. 247; p. 476.
Yarns. Pinkney Mills. No. 121,094; Apr. 2; v. 249; p. 233.
Yarns and threads. Dexter Yarn Company. No. 121,418; Apr. 30; v. 249; p. 1218.
Yarns and threads. Dexter Yarn Company. No. 121,603; May 14; v. 250; p. 510.
Yarns, Cotton. The Argo Mills Co. No. 122,420; Aug. 20; v. 253; p. 741.
Yarns, Cotton. Groves Mills. No. 120,671; Feb. 26; v. 247; p. 961.
Yarns, Cotton and wool. John Dunn, Son & Company. No. 123,800; Dec. 10; v. 257; p. 404.
Yarn, Cotton and woolen. H. K. H. Silk Co. of N. Y. No. 123,811; Dec. 10; v. 257; p. 404.
Yarns, Embroidery-. F. F. Pels Co. No. 122,102; June 25; v. 251; p. 836.
Yarns, Woolen and worsted. Nonotuck Silk Company. No. 121,201; Apr. 16; v. 249; p. 736.
Yarns, Woolen and worsted. Nonotuck Silk Company. Nos. 122,981–2; Oct. 1; v. 255; p. 158.
Yeast. E. J. Agnew. No. 121,843; June 11; v. 251; p. 457.
Zinc alloy, Metallic. F. S. Hodson. No. 121,299; Apr. 23; v. 249; p. 981.
Zinc oxid and leaded zinc pigments. Grubnau, Bryant & Grubnau. No. 120,975; Mar. 19; v. 248; p. 764.
Zinc oxid used as a filler for rubber goods. The American Metal Company. No. 122,944; Oct. 1; v. 255; p. 157.

ALPHABETICAL LIST OF LABELS.

"A Perfect Blend Wilkins Coffee." (For Coffee.) John H. Wilkins Company. No. 20,727; July 2; v. 252; p. 243.
"A Square Meal." (For Milk-Bottles.) E. W. Woolman. No. 20,450; Jan. 15; v. 246; p. 822.
"A Sur Shot." (For a Bot and Worm Remover.) Fairview Chemical Co. No. 20,741; July 30; v. 252; p. 1141.
"Absorbine, Jr., The Antiseptic Liniment." (For Absorbine, Jr., Liniment.) W. F. Young. Nos. 20,907–8; Oct. 8; v. 255; p. 365.
"Active Blocks." (For Toy Building-Blocks.) George Borgfeldt & Co. No. 20,730; July 9; v. 252; p. 502.
"Ad-El-Ite Automobile Rim & Gasket Shellac-Cement." (For Shellac-Cement.) Adams & Elting Co. No. 20,939; Nov. 5; v. 256; p. 221.
"Ad-El-Ite Radiator And Water Line Cleaner." (For Cleaners.) Adams & Elting Co. No. 20,940; Nov. 5; v. 256; p. 221.
"Admiral Uniform Brands." (For Lemons, Citrus.) Goldenwest Citrus Ass'n. No. 20,952; Nov. 5; v. 256; p. 221.
"Admiration." (For Coffee in Cans.) Duncan Coffee Co. No. 21,055; Dec. 24; v. 257; p. 815.
"Advance White Stripe Transmission Lining." (For Transmission-Linings.) Advance Automobile Accessories Corp. No. 20,909; Oct. 22; v. 255; p. 827.
"Aeolian Vocalion." (For Phonograph-Records.) The Aeolian Company. No. 20,869; Oct. 8; v. 255; p. 365.
"Alfoina." (For an Antipyretic and Sedative Medicine.) Oriental Drug Co. No. 20,803; Aug. 13; v. 253; p. 511.
"All Pack." (For Fruit-Jar Rubbers.) Acme Rubber Manufacturing Company. No. 20,574; Apr. 2; v. 249; p. 234.
"Allen Sodering Liquid." (For Soldering-Flux, Liquid Form.) L. B. Allen Co. No. 20,455; Jan. 22; v. 246; p. 1029.
"Allen Sodering Liquid." (For Soldering-Flux, Liquid Form.) L. B. Allen Co. Nos. 20,460–1; Jan. 22; v. 246; p. 1029.
"Allen Sodering Paste." (For Soldering-Flux, Paste Form.) L. B. Allen Co. No. 20,453; Jan. 22; v. 246; p. 1029.
"Allen Sodering Paste." (For Soldering-Flux, Paste Form.) L. B. Allen Co. No. 20,457; Jan. 22; v. 246; p. 1029.
"Allen Sodering Paste." (For Soldering-Flux, Paste Form.) L. B. Allen Co. No. 20,459; Jan. 22; v. 246; p. 1029.
"Allen Sodering Salts." (For Soldering-Flux, Granular Form.) L. B. Allen Co. No. 20,454; Jan. 22; v. 246; p. 1029.
"Allen Sodering Salts." (For Soldering-Flux, Granular Form.) L. B. Allen Co. No. 20,456; Jan. 22; v. 246; p. 1029.
"Allen Sodering Salts." (For Soldering-Flux, Granular Form.) L. B. Allen Co. No. 20,458; Jan. 22; v. 246; p. 1029.
"Allies." (For Wool Yarn.) Horner Bros. No. 20,562; Mar. 12; v. 248; p. 499.
"Allgood." (For Flour.) Martin & Sons. No. 20,889; Oct. 8; v. 255; p. 365.
"Almond Smash." (For a Fruit Flavoring-Syrup for Soft Drinks.) S. Blackman. No. 20,465; Jan. 22; v. 246; p. 1029.
"Ambrosia Brand." (For Beef, Beans, and Spaghetti.) The American Pure Food Products Co. No. 20,849; Sept. 17; v. 254; p. 654.
"American." (For Evaporated Milk.) The Oatman Condensed Milk Co. No. 20,564; Mar. 12; v. 248; p. 499.
"American Special." (For Wheat-Flour.) The Russell Milling Company. No. 20,608; May 7; v. 250; p. 253.
"American Star." (For Salmon.) Panama Packing Co. No. 21,027; Nov. 26; v. 256; p. 819.
"American War Cloth." (For Cloth.) Peters Manufacturing Co. No. 20,601; Apr. 23; v. 249; p. 984.
"America's Guide to Economy." (For Catalogues.) The Riley-Schubert-Grossman Co. No. 20,750; July 30; v. 252; p. 1141.
"Amoco Brand." (For Canned Tomato Sauce.) American Olive Company. No. 21,008; Nov. 26; v. 256; p. 819.
"An Ideal Beverage." (For a Non-Intoxicating Beverage.) Beadleston & Woerz. No. 20,463; Jan. 22; v. 426; p. 1029.
"Andrew Jackson." (For Cigars.) La Kurba Cigar Company. No. 21,023; Nov. 26; v. 256; p. 819.
"Andrew J. Jackson's Neuritis and Neuralgia Remedy." (For a Remedy.) A. J. Jackson. No. 20,957; Nov. 5; v. 256; p. 221.
"Angelo." (For Macaroni.) Ronzoni Macaroni Co. No. 20,831; Sept. 3; v. 254; p. 223.
"Anti-Pneumonia." (For a Medicine.) F. W. Miller, No. 20,801; Aug. 13; v. 253; p. 511.
"Antiseptic George's Medicated Cones." (For Antiseptic Suppositories.) G. A. Finkselman. No. 20,734; July 9; v. 252; p. 502.
"Arabian Sheik Balsam, 7." (For Proprietary Medicine.) G. Caliph. No. 21,051; Dec. 24; v. 257; p. 815.

Alphabetical list of labels—Continued.

"Army Roll." (For a Confection.) A. L. Hamblin. No. 20,522; Feb. 26; v. 247; p. 963.
"Aromas." (For Cigars.) Manila Commercial Co. No. 20,611; May 7; v. 250; p. 253.
"Aromints Cinos." (For Mint Candy.) The Aromint Manufacturing Company. No. 20,658; June 18; v. 251; p. 673.
"Aromints Licorice." (For Mint Candy.) The Aromint Manufacturing Company. No. 20,657; June 18; v. 251; p. 673.
"Arrow—'It Hits the Spot.'" (For a Non-Intoxicating Cereal Beverage.) Kamm & Schellinger Co. No. 20,676; June 18; v. 251; p. 673.
"Aschers Knit Goods, with the Figure of the Lamb." (For Knit Goods.) Simon Ascher & Co., Inc. No. 20,729; July 9; v. 252; p. 502.
"Atlas Dry." (For Non-Intoxicating Cereal Beverage.) Atlas Beverage Company. No. 20,975; Nov. 19; v. 256; p. 645.
"Atlas Tailors." (For Clothing.) M. Robinson. No. 21,081; Dec. 24; v. 257; p. 815.
"Auerbach's Standard Chocolates." (For Chocolates.) D. Auerbach & Sons. No. 20,943; Nov. 5; v. 256; p. 221.
"Aunt Martha's Hulled Corn." (For Hulled Corn.) G. H. Allen. No. 20,613; Mar. 21; v. 250; p. 765.
"Aunt Martha's Plum Pudding." (For Plum Pudding.) G. H. Allen. No. 20,612; May 21; v. 250; p. 765.
"Aunt Tilly's." (For Cake Specialties.) T. A. Faulds Company. No. 20,518; Feb. 26; v. 247; p. 963.
"Authentic Designs." (For Silk and Cotton Knitting-Bags.) Oriental Silk Printing Company. No. 20,719; July 2; v. 252; p. 243.
"Authentic Designs." (For Silk and Cotton Samples.) Oriental Silk Printing Company. No. 20,718; July 2; v. 252; p. 243.
"Automoonshine." (For Polish.) W. S. Duncan. No. 20,740; July 30; v. 252; p. 1141.
"Avalon." (For Canned Bonita.) South Coast Canning Co., No. 20,814; Aug. 13; v. 253; p. 511.
"Avalon." (For Canned Mackerel.) South Coast Canning Co. No. 20 815; Aug. 13; v. 253; p. 511.
"Avalon." (For Canned Yellowtail.) South Coast Canning Co. No. 20,817; Aug. 13; v. 253; p. 512.
"Aviation Book." (For Jacket or Wrapper for Books so Entitled.) McLoughlin Brothers, Inc. No. 20,860; Sept. 17; v. 254; p. 654.
"B-Fluffy." (For a Pharmaceutical Preparation.) Re-Juvenating Co. No. 20,687; June 18; v. 251; p. 673.
"B-Slym." (For a Pharmaceutical Preparation.) Re-Juvenating Co. No. 20,685; June 18; v. 251; p. 673.
"B-Young." (For a Pharmaceutical Preparation.) Re-Juvenating Co. No. 20,689; June 18; v. 251; p. 673.
"B B Brand." (For Skinned Ham.) Brown Brothers. No. 21,049; Dec. 24; v. 257; p. 815.
"Balboa." (For Canned Salmon.) Alaska Salmon Co. No. 20,575; Apr. 2; v. 249; p. 234.
"Ballantine's Ginger Ale." (For Ginger-Ale.) P. Ballantine & Sons. No. 20,873; Oct. 8; v. 255; p. 365.
"Barbanell's Perspiration Corrector." (For a Deodorizing Preparation.) F. Barbanell. No. 20,462; Jan. 22; v. 246; p. 1029.
"Beckman Bed Blankets." (For Bed-Blankets.) The Beckman Company. No. 20,708; July 2; v. 252; p. 243.
"Beech-Nut Brand Cough Drops." (For Cough-Drops.) Beech-Nut Packing Company. No. 20,464; Jan. 22; v. 246; p. 1029.
"Belfast." (For Paper.) The Alling & Cory Co. No. 20,547; Mar. 12; v. 248; p. 499.
"Bell's Fine Candies." (For Candy.) J. C. Bell. No. 20,588; Apr. 23; v. 249; p. 984.
"Berkshire Valley." (For Writing-Paper and Envelops.) The Taylor-Atkins Paper Company. No. 20,772; Aug. 6; v. 253; p. 257.
"Berliner Tea Matzoths." (For Matzoths.) A. Goodman & Sons. No. 20,713; July 2; v. 252; p. 243.
"Best Buttons for Soft or Stiff Cuffs." (For Pads for Displaying Buttons.) The Baer and Wilde Co. No. 20,659; June 18; v. 251; p. 673.
"Betson's Plastic Fire Brick." (For Refractory Furnace-Lining Material.) Adams & Jewell. No. 20,958; Nov. 5; v. 256; p. 221.
"Beware Where You Buy Your Beeware." (For Beehives and other Aparian Equipment.) G. B. Lewis Company. No. 20,824; Sept. 3; v. 254; p. 223.
"Big 'K' Brand." (For Apples.) H. H. Davis. No. 20,781; Aug. 13; v. 253; p. 511.
"Big Sam." (For Cigars.) Moehle Lithographic Company. No. 21,079; Dec. 24; v. 257; p. 815.
"Birds." (For Mince-Meat.) Medomak Canning Company. No. 20,959; Nov. 5; v. 256; p. 221.
"Black Diamond Harness Grease." (For Harness-Grease.) T. M. C. Hunnicutt. No. 20,855; Sept. 17; v. 254; p. 654.
"Black Leaf 40." (For Nicotin Solution for Insecticides.) The Kentucky Tobacco Product Company. Nos. 21,087–9; Dec. 31; v. 257; p. 1079.
"Blew." (For Fresh Apples.) E. T. Blew Company. No. 20,466; Jan. 22; v. 246; p. 1029.
"Blue Maltese Cross." (For Apples.) Dennis, Kimball & Pope. No. 20,619; May 21; v. 250; p. 765.
"Blue Pig Lice Powder." (For Lice-Powder.) I. Doseff. No. 20,948; Nov. 5; v. 256; p. 221.
"Blue Wing Brand Cherry Phosphate." (For a Soft Drink.) C. Anderson. No. 20,753; Aug. 6; v. 253; p. 257.
"Bluvel." (For Tracing-Paper.) Cardinell-Vincent Company. No. 20,443; Jan. 15; v. 246; p. 822.
"Bon Ton Corsets, The Most Fashionable and Perfect Fitting Corsets." (For Corsets.) Royal Worcester Corset Co. No. 21,030; Nov. 26; v. 256; p. 819.
"Bonnie-B-Buttons." (For Buttons.) Silverberg Import Co. No. 20,692; June 18; v. 251; p. 673.
"Bonnie-B Imported Hair Net." (For a Hair-Net.) Silverberg Import Company. No. 20,901; Oct. 8; v. 255; p. 365.
"Bonnie-B-Slip-pon Veil." (For Veils.) Silverberg Import Co. No. 20,492; Jan. 22; v. 246; p. 1029.
"Boston Garter." (For Men's Garters.) George Frost Company. Nos. 20,838–41; Sept. 10; v. 254; p. 449.
"Boston Market." (For Coffee.) Clark & MacKusick Company. No. 20,590; Apr. 23; v. 249; p. 984.
"Boston, 1915." (For Cake and Pastry Flour.) Potter & Wrightington. No. 20,684; June 18; v. 251; p. 673.
"Bovee's Cocoa Lilac Face Cream." (For Face-Cream.) A. Bovee. No. 20,977; Nov. 19; v. 256; p. 645.
"Brando Hot." (For a Non-Intoxicating Beverage.) G. S. Steinberg. No. 20,494; Jan. 22; v. 246; p. 1029.
"Branola." (For Health Gems.) Tru Blu Biscuit Co. No. 20,774; Aug. 6; v. 253; p. 257.
"Brook-Lin Beets-It For Korn." (For a Corn Remedy.) J. Tietze. No. 21,035; Nov. 26; v. 256; p. 819.
"Brooklyn Macaroni." (For Macaroni.) Brooklyn Macaroni M'f'g. Co. No. 20,589; Apr. 23; v. 249; p. 984.
"Buena Vista." (For Canned Peaches.) Vanomar Producers. No. 20,704; June 18; v. 251; p. 674.
"Bug-O-Less." (For Insect-Poison.) Cole & Reed. No. 20,780; Aug. 13; v. 253; p. 511.
"Bull Dog Patch." (For Patches.) R. Hoffeld & Co. No. 20,843; Sept. 10; v. 254; p. 449.
"Bullet Proof." (For Socks.) C. W. Taves Co. No. 21,064; Dec. 24; v. 257; p. 815.
"Bunny Rose." (For Cocoa.) The Klauber Trading Corporation. No. 20,885; Oct. 8; v. 255; p. 365.
"Burrill's Tooth Powder." (For Burrill's Tooth-Powder.) New England Laboratory Co. No. 21,025; Nov. 26; v. 256; p. 819.
"Burton-Dixie Down Ease Kapok." (For Prime Java Kapok.) Burton-Dixie Corporation. No. 20,944; Nov. 5; v. 256; p. 221.
"Burton-Dixie Sun Cured Cotton Felt Mattress." (For Mattresses.) Burton-Dixie Corporation. No. 20,945; Nov. 5; v. 256; p. 221.
"Butter-Krust Health Bread." (For Butter-Krust Health Bread.) Excelsior Baking Co. No. 21,074; Dec. 24; v. 257; p. 815.
"Butter-Nut Brand Nut-Margarine." (For Nut-Margarin.) Narragansett Dairy Company. No. 20,448; Jan. 15; v. 246; p. 822.
"Buttercup Whole Rice." (For Whole Rice.) M. M. Baumgartner. No. 21,010; Nov. 26; v. 256; p. 819.
"Buttermilk." (For Toilet Creams.) Howard Bros. Chemical Co. No. 20,790; Aug. 13; v. 253; p. 511.
"C. C. C. Memories, Over The Top." (For Cigars.) Cubola Cigar Company Inc. No. 21,018; Nov. 26; v. 256; p. 819.
"C F C." (For Dress-Fasteners.) Columbia Fastener Company. No. 20,947; Nov. 5; v. 256; p. 221.
"Calcerbs." (For a Pharmaceutical Preparation.) Eckman Manufacturing Company. No. 20,473; Jan. 22; v. 246; p. 1029.
"Caldwell's 33 cents The World Round." (For Coffee.) H. L. Caldwell, Jr. No. 20,777; Aug. 13; v. 253; p. 511.
"California Fig Nuts, De Luxe." (For a Food Compound.) California Fig-Nut Co. No. 20,663; June 18; v. 251; p. 673.
"California Growers." (For Canned Apricots.) California Growers Association. No. 20,640; May 28; v. 250; p. 997.
"California Producers." (For Canned Pears.) California Growers Association. No. 20,641; May 28; v. 250; p. 997.
"Cameo." (For a Soft Drink.) Hagemeister Brewing Company. No. 20,503; Feb. 5; v. 247; p. 221.
"Campbell." (For Canned Apricots.) J. C. Ainsley Packing Co. No. 20,634; May 28; v. 250; p. 997.
"Capitol Lawn." (For Tablets.) Northwest Tablet Company. No. 20,580; Apr. 2; v. 249; p. 234.
"Captain." (For Oranges.) Goldenwest Citrus Ass'n. No. 20,764; Aug. 6; v. 253; p. 257.
"Caputo." (For Olive-Oil.) Michael Caputo & Co. No. 20,960; Nov. 5; v. 256; p. 221.
"Caputo Brand." (For Macaroni.) Michael Caputo & Co. No. 20,961; Nov. 5; v. 256; p. 221.
"Cardinal Crepe Toilet Paper." (For Toilet-Paper.) Republic Bag & Paper Co. No. 20,826; Sept. 3; v. 254; p. 223.
"Caritas." (For Cigars.) O. Sachsel. No. 20,631; May 21; v. 250; p. 765.

"Casa Blanca." (For Canned Peaches.) Vanomar Producers. No. 20,701; June 18; v. 251; p. 674.
"Celto." (For Non-Intoxicating Beverages.) The Peoples Brewing Co. No. 20,721; July 2; v. 252; p. 243.
"Centennial." (For Flour.) Centennial Mill Co. No. 20,665; June 18; v. 251; p. 673.
"Champagne Wine." (For Wines.) Vicomte Paul Ruinart de Brimont. No. 21,073; Dec. 24; v. 257; p. 815.
"Chardeau." (For Wine.) The Chardeau Company. No. 20,666; June 18; v. 251; p. 673.
"Chase-O." (For Laundry Crystals.) Chase-O Manufacturing Company. No. 20,850; Sept. 17; v. 254; p. 654.
"Cherries Chocolate Covered." (For Chocolate-Covered Cherries.) Milwaukee Paper Box Company. No. 20,891; Oct. 8; v. 255; p. 365.
"Chief of all Patches." (For Self-Vulcanizing Patches.) M. J. Cagle. No. 20,638; May 28; v. 250; p. 997.
"Cinchonal." (For Antimalarial Pills.) Oriental Drug Co. No. 20,805; Aug. 13; v. 253; p. 511.
"Cl-O-Ve Life Savers, The Candy Mint With The Hole." (For Candy Lozenges.) Mint Products Company. No. 21,077; Dec. 24; v. 257; p. 815.
"Cleanem." (For Preparation for Cleaning Woodwork, Metal, and Glassware.) D. O. Chessmore & Company. No. 20,778; Aug. 13; v. 253; p. 511.
"Clover Compound." (For Abrasive Materials.) Clover Manufacturing Co. No. 20,738; July 30; v. 252; p. 1141.
"Coco-Hula Bar." (For Candy-Boxes.) Barkdall Candy Company. No. 20,587; Apr. 23; v. 249; p. 984.
"Coco-Pea-Nut Oleomargarine." (For Oleomargarin.) The A. H. Kuhlemann Co. No. 20,607; Apr. 30; v. 249; p. 1222.
"Colonel." (For Oranges.) Goldenwest Citrus Ass'n. No. 20,765; Aug. 6; v. 253; p. 257.
"Columbia Brand Ginger Ale." (For Ginger-Ale.) S. D. Lefas. No. 20,822; Sept. 3; v. 254; p. 223.
"Commodore Uniform Brands." (For Lemons.) Goldenwest Citrus Ass'n. No. 20,953; Nov. 5; v. 256; p. 221.
"Community." (For Baking-Powder.) Community Coffee and Spice Company. No. 20,500; Feb. 5; v. 247; p. 221.
"Community." (For Peanut-Butter.) Community Coffee and Spice Company. No. 20,501; Feb. 5; v. 247; p. 221.
"Community." (For Tea.) Community Coffee and Spice Company. No. 20,502; Feb. 5; v. 247; p. 221.
"Community." (For Head-Rice.) Community Coffee and Spice Company. No. 20,511; Feb. 12; v. 247; p. 478.
"Complimentary Sample Shredded Whole Wheat." (For Shredded-Wheat Biscuit.) The Shredded Wheat Company. No. 20,573; Mar. 26; v. 248; p. 1001.
"Congoleum Gold Seal." (For Rugs and Floor-Coverings.) The Congoleum Company. No. 21,052; Dec. 24; v. 257; p. 815.
"Contadina Brand." (For Canned Tomato Sauce.) The Contadina Canning Co. No. 20,911; Oct. 22; v. 255; p. 827.
"Cool-Flow." (For Non-Alcoholic Beverages.) O. Korn. No. 20,746; July 30; v. 252; p. 1141.
"Coronado." (For Canned Peaches.) Vanomar Producers. No. 20,702; June 18; v. 251; p. 674.
"Coronet." (For Snap-Fasteners.) A. Glassheim. No. 20,647; May 28; v. 250; p. 997.
"Corporal." (For Oranges.) Goldenwest Citrus Ass'n. No. 20,763; Aug. 6; v. 253; p. 257.
"Cove." (For Canned Sardines.) Van Camp Sea Food Co. No. 20,705; June 18; v. 251; p. 674.
"Crane's Chocolates." (For Chocolates.) C. A. Crane. No. 20,550; Mar. 12; v. 248; p. 499.
"Crawford's." (For Orange Marmalade.) Thomas Crawford, Inc. Nos. 20,605–6; Apr. 23; v. 249; p. 984.
"Creamette Cereal." (For Cereal Breakfast Food.) The Creamette Company. No. 20,739; July 30; v. 252; p. 1141.
"Creme De Vie." (For Tonic Beverages.) Rivas Manufacturing Co. No. 20,652; May 28; v. 250; p. 997.
"Cresta." (For Canned Anchovies.) White Star Canning Co. No. 20,533; Feb. 26; v. 247; p. 963.
"Crystal Hairollin." (For a Preparation for the Skin, Hair, and Scalp.) A. Haschka. No. 20,956; Nov. 5; v. 256; p. 221.
"Cuban Beauty." (For Cigars.) The Moehle Lithographic Company. No. 20,597; Apr. 23; v. 249; p. 984.
"Cymric." (For Ointment.) G. E. Gratton. No. 21,057; Dec. 24; v. 257; p. 815.
"Dairy Maid Brand." (For Canned Corn-Kernels in Rich Creamy Milk.) Marshall Canning Co. No. 20,918; Oct. 22; v. 255; p. 827.
"Dante." (For Macaroni.) A. Mortellaro & Co. No. 20,861; Sept. 17; v. 254; p. 654.
"Danube." (For Toilet-Paper.) A. M. Eaton Paper Co. No. 20,833; Sept. 10; v. 254; p. 449.
"De Luxe." (For Canned Sardines.) The Stafford Packing Co. No. 20,752; July 30; v. 252; p. 1141.
"Dea Wonderful Salve." (For a Salve.) J. Korinek. No. 20,477; Jan. 22; v. 246; p. 1029.
"Del Rey Brand." (For Sardines.) F. B. McCrosky. No. 20,528; Feb. 26; v. 247; p. 963.
"Denver Mud." (For Plastic Dressings.) The Germicide Company. No. 20,474; Jan. 22; v. 246; p. 1029.
"Dexter's Angel Cake." (For Angel Cake.) E. A. Dexter. No. 20,852; Sept. 17; v. 254; p. 654.
"Dexter's Mother's Cake." (For Sponge-Cake.) E. A. Dexter. No. 21,019; Nov. 26; v. 256; p. 819.
"Dinuba Diamond." (For Fresh Grapes.) Dinuba Grape Grower's Assn. No. 20,577; Apr. 2; v. 249; p. 234.
"Doctor Starr's Manhood, Liver and Kidney Pills." (For Pills.) F. M. Starr. No. 20,819; Aug. 13; v. 253; p. 512.
"Doctor Starr's Manhood Pills." (For Pills.) F. M Starr. No. 21,033; Nov. 26; v. 256; p. 819.
"Dodd's Worlds Greatest Puncture Cure Guaranteed." (For a Puncture-Cure Preparation.) V. J. Dodd & Co. No. 20,569; Mar. 26; v. 248; p. 1001.
"Domino Crepe Toilet." (For Toilet-Paper.) Republic Bag & Paper Co. No. 20,827; Sept. 3; v. 254; p. 223.
"Dr. Chas. Pratts Lemon Olive Cream." (For a Cream.) Pratt Olive Company. No. 20,651; May 28; v. 250; p. 997.
"Dr. Jackson's Digestive and Liver Powders." (For Digestive and Liver Powders.) The Jackson Medicine Company. No. 20,512; Feb. 12; v. 247; p. 478.
"Dr. M. Hermance's Asthma Medicine." (For Asthma and Hay-Fever Medicine.) C. A. Bell. No. 20,548; Mar. 12; v. 248; p. 499.
"Duffy's Bitter Gum." (For Chewing-Gum.) J. A. Duffy. No. 20,782; Aug. 13; v. 253; p. 511.
"E. A. Robertson Co., Makers of Ladies Waists and Costumes." (For Ladies' Waists and Costumes.) E. A. Robertson Co. No. 20,899; Oct. 8; v. 255; p. 365.
"Economo." (For a Product to be Mixed with Butter and Water.) Butterald Company. No. 20,946; Nov 5; v. 256; p. 221.
"Economy Fibre Taps." (For Taps for Boots and Shoes.) Emery Heel Sales Company. No. 21,086; Dec. 31; v. 257; p. 1079.
"Eddie's Everlasting Black Dye." (For Dye.) E. J. O'Reilly & Co. No. 20,498; Jan. 29; v. 246; p. 1202.
"Edelweiss." (For Cheese.) The Purity Cream Cheese Co. No. 20,748; July 30; v. 252; p. 1141.
"Ed's Rochell Salts in Tablets." (For Rochelle Salts.) E. Glass. No. 20,646; May 28; v. 250; p. 997.
"Eggless." (For an Egg Substitute.) American Food Products Company. No. 21,007; Nov. 26; v. 256; p 819.
"Eggo, A Pure Rice, Corn, Milk and Egg Product." (For a Substitute for Eggs.) T. J. Bryson. No. 20,661; June 18; v. 251; p. 673.
"Eggoe." (For Egg Substitute.) The Eggoe Company. No. 20,621; May 21; v. 250; p. 765.
"El Moro." (For Canned Peaches.) Vanomar Producers. No. 20,698; June 18; v. 251; p. 674.
"El Producto." (For Cigars.) G. H. P. Cigar Co. No. 20,516; Feb. 26; v. 247; p. 963.
"Emanuele Ronzoni." (For Macaroni.) Ronzoni Macaroni Co. No. 20,900; Oct. 8; v. 255; p. 365.
"Emerson Records." (For Phonograph-Record Disks.) Emerson Phonograph Company. No. 20,950; Nov. 5; v. 256; p. 221.
"Ensko Silver Polish." (For Silver-Polish.) R. Ensko. No. 20,951; Nov. 5; v. 256; p. 221.
"Evaporated Milk." (For a Prepared Food Known as Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 20,881; Oct. 8; v. 255; p. 365.
"Eversharp." (For Leads for Pencils.) Wahl Adding Machine Company. No. 20,496; Jan. 22; v. 246; p. 1029.
"Extra Fermentati Sigari Italiani." (For Cigars.) A. & S. Raucci. No. 20,807; Aug. 13; v. 253; p. 511.
"Extra Kettle Rendered Lard, S. Birkenwald Co. Butcher Supplies, Portland, Oregon." (For Lard.) S. Birkenwald Co. No. 20,754; Aug. 6; v. 253; p. 257.
"Fair Sex." (For Ladies' Aprons.) Oshkosh Muslin Underwear Co. No. 20,966; Nov. 5; v. 256; p. 221.
"Famo." (For Non-Intoxicating Beverages.) Joseph Schlitz Brewing Co. No. 20,581; Apr. 2; v. 249; p. 234.
"Famous Bert Johnson Brand." (For Fresh Peaches.) T. H. Peppers. No. 20,770; Aug. 6; v. 253; p. 257.
"Fig-Orang." (For a Preparation for Cake, Candy, and Ice-Cream Topping.) California Bakers Specialty Co. No. 20,639; May 28; v. 250; p. 997.
"Filter-Cel for Better Filtration." (For Filter-Cel.) A. H. Krieger. No. 20,527; Feb. 26; v. 247; p. 963.
"Fire Engine Picture Puzzle." (For a Picture-Puzzle.) McLoughlin Brothers. No. 20,921; Oct. 22; v. 255; p. 827.
"555." (For Snap-Fasteners.) A. H. Friedman. No. 20,761; Aug. 6; v. 253; p. 257.
"For Tired Wheels." (For Containers of Axle-Grease.) Indian Refining Company. No. 20,623; May 21; v. 250; p. 765.
"Ford's Auto Polish." (For Polish for Automobiles.) E. A. Ford. No. 20,785; Aug. 13; v. 253; p. 511.

Alphabetical list of labels—Continued.

"Frazier's Green Checkered Brand." (For Beans with Pork.) The Frazier Packing Co. No. 20,622; May 21; v 250; p. 765.
"French." (For Shirts.) Salant & Salant. No. 21,082; Dec. 24; v. 257; p. 815.
"Fresh Roasted Peanuts." (For Roasted Peanuts.) F. D. Croce & Co. No. 20,759; Aug. 6; v. 253; p. 257.
"From The Land of Sunshine, Florida Sweets." (For Citrus Fruits.) Dr. Phillip Phillips. No. 20,897; Oct. 8; v. 255; p. 365.
"Fuji." (For Chop-Suey Sauce.) S. Nagano. No. 20,491; Jan. 22; v. 246; p. 1029.
"Fuji's." (For Bead Molasses.) S. Nagano. No. 20,490; Jan. 22; v. 246; p. 1029.
"Fulton Pills." (For Cathartic Remedies.) Oriental Drug Co. No. 20,804; Aug. 13; v. 253; p. 511.
"Futburn Foot Lotion." (For a Preparation for the Feet.) B. Cannard. No. 20,987; Nov. 19; v. 256; p. 645.
"G. H. Dunbar & Sons Brand." (For Canned Shrimp.) G. H. Dunbar & Sons. No. 20,912; Oct. 22; v. 255; p. 827.
"Gaetano D'Amico." (For Macaroni.) G. D'Amico. No. 20,642; May 28; v. 250; p. 997.
"Gale's Place-O-Egg." (For Baking and Cooking Compound.) Gale-Evans Company. No. 20,786; Aug. 13; v. 253; p. 511.
"Galvo." (For Non-Intoxicating Cereal Beverages.) Galveston Brewing Association. No. 20,519; Feb. 26; v. 247; p. 963.
"Game Of Basket Ball." (For a Game.) McLoughlin Brothers. No. 20,920; Oct. 22; v. 255; p. 827.
"Game Of Battles." (For a Game.) McLoughlin Brothers. No. 21,076; Dec. 24; v. 257; p. 815.
"Game of Skirmishers." (For a Game.) McLoughlin Brothers. No. 20,800; Aug. 13; v. 253; p. 511.
"Game of Telegraph Boy." (For a Game.) McLoughlin Brothers, Inc. No. 21,091; Dec. 31; v. 257; p. 1079.
"Gelfand's Mayonnaise." (For Mayonnaise.) S. Gelfand. No. 20,875; Oct. 8; v. 255; p. 365.
"General." (For Oranges.) Goldenwest Citrus Ass'n. No. 20,766; Aug. 6; v. 253; p. 257.
"Georgia Mountain." (For Fresh Apples.) Yonah Fruit Co. No. 21,044; Nov. 26; v. 256; p. 820.
"Georgia Mountain 'Y.'" (For Fresh Apples.) Yonah Fruit Co. No. 21,045; Nov. 26; v. 256; p. 820.
"Giant Lye." (For a Lye.) A. Mendleson's Sons. No. 20,509; Feb. 12; v. 247; p. 478.
"Gibbs Aromatic Oil." (For Aromatic Oil.) J. Gibbs. No. 20,762; Aug. 6; v. 253; p. 257.
"Gingertone." (For Ginger-Ale.) A. Wagner. No. 20,585; Apr. 2; v. 249; p. 234.
"Golden Brown." (For Health-Bread.) W. N. Crenshaw. No. 20,669; June 18; v. 251; p. 673.
"Golden Crown." (For Canned Asparagus.) R. Hickmott Canning Co. No. 20,559; Mar. 12; v. 248; p. 499.
"Golden Gate." (For Canned Salmon.) Alaska Salmon Co. No. 20,545; Mar. 12; v. 248; p. 499.
"Golden Pyramid." (For Wheat-Flour.) Red River Milling Co. No. 21,058; Dec. 24; v. 257; p. 815.
"Goldie." (For Cigars.) The Moehle Lithographic Company. No. 20,599; Apr. 23; v. 249; p. 984.
"Golf Club." (For Canned Sardines.) International Packing Corporation. No. 20,793; Aug. 13; v. 253; p. 511.
"Grand Prize Brand P. P. I. E. 1915." (For Fresh Mountain Bartlett Pears.) J. F. Siems. No. 20,813; Aug. 13; v. 253; p. 511.
"Grape-Ade." (For Syrup.) The Schuster Company. No. 20,996; Nov. 19; v. 256; p. 645.
"Guaranteed Clinton Bed Springs." (For Wire Bed-Springs.) Clinton Furniture Company. No. 20,779; Aug. 13; v. 253; p. 511.
"Guittard's Pure." (For Chocolate.) Guittard Company. No. 20,475; Jan. 22; v. 246; p. 1029.
"Hair Forever." (For Hair-Tonic.) Mangan & Co. No. 20,479; Jan. 22; v. 246; p. 1029.
"Hall's Holsom." (For Canned Salmon.) G. Batcheller Hall Company. No. 21,013; Nov. 26; v. 256; p. 819.
"Hall's Sealect." (For Canned Salmon.) G. Batcheller Hall Company. No. 21,012; Nov. 26; v. 256; p. 819.
"Hand Made." (For Cigars.) Cole Lithographing Co. No. 20,989; Nov. 19; v. 256; p. 645.
"Harvard." (For Toilet-Paper.) A. M. Eaton Paper Co. No. 20,836; Sept. 10; v. 254; p. 449.
"Health-Frutte." (For Florida Grape-Fruit.) Fugazzi Bros. No. 20,853; Sept. 17; v. 254; p. 654.
"Heileman's New Style Lager." (For a Non-Intoxicating Lager.) G. Heileman Brewing Co. No. 20,913; Oct. 22; v. 255; p. 827.
"Her Majesty's Blend, Ridgways Tea." (For Ridgways Tea.) Ridgways Incorporated. No. 21,080; Dec. 24; v. 257; p. 815.
"Hickok's Chocolate Brittle." (For Chocolate Brittle Chips.) The C. F. Hickok Co. No. 20,938; Oct. 22; v. 255; p. 827.
"Hickok's Chocolate Brittle Chips." (For Chocolate Brittle.) The C. F. Hickok Co. No. 20,937; Oct. 22; v. 255; p. 827.
"Hickok's Forget me not Chocolates." (For Chocolates.) Milwaukee Paper Box Company. No. 20,847; Sept. 10; v. 254; p. 449.
"Hick's Seminole Liniment." (For a Liniment.) Fischer Drug Company. No. 20,742; July 30; v. 252, p. 1141.
"High Life." (For Non-Toxicating Cereal Malt Beverages.) Fred Miller Brewing Co. No. 20,892; Oct. 8; v. 255; p. 365.
"Holly-Time." (For Canned Salmon.) Petersburg Packing Co. No. 20,504; Feb. 5; v. 247; p. 221.
"Homespun Linen." (For Stationery.) White & Wyckoff Mfg. Co. No. 21,096; Dec. 31; v. 257; p. 1079.
"Hood River Apples." (For Apples.) F. A. Massee. No. 20,571; Mar. 26; v. 248; p. 1001.
"Hood's Specials." (For Cigars.) B. Wasserman Co. No. 21,071; Dec. 24; v. 257; p. 815.
"Horse Shoe S." (For Fresh Apples.) Selah Fruit & Cold Storage Co. No. 20,933; Oct. 22; v. 255; p. 827.
"Horsman's Boy Magician Outfit." (For Magician Outfits or Magic Sets.) E. I. Horsman Co. No. 20,745; July 30; v. 252; p. 1141.
"Hotchkiss' 'Glass Jar' Label Brand." (For Yellow Cling-Peaches.) California Packing Corporation. No. 20,979; Nov. 19; v. 256; p. 645.
"Hotchkiss' 'Glass Jar' Label Brand." (For Whole Beets.) California Packing Corporation. No. 20,980; Nov. 19; v. 256; p. 645.
"Hotchkiss' 'Glass Jar' Label Brand." (For Red Pimientos.) California Packing Corporation. No. 20,981; Nov. 19; v. 256; p. 645.
"Hotchkiss' 'Glass Jar' Label Brand." (For Gooseberries.) California Packing Corporation. No. 20,982; Nov. 19; v. 256; p. 645.
"Hotchkiss' 'Glass Jar' Label Brand." (For Bartlett Pears.) California Packing Corporation. No. 20,983; Nov. 19; v. 256; p. 645.
"Hotchkiss' 'Glass Jar' Label Brand." (For Green Chilli.) California Packing Corporation. No. 20,984; Nov. 19; v. 256; p. 645.
"Hotchkiss' 'Glass Jar' Label Brand." (For Sweet Potatoes.) California Packing Corporation. No. 20,985; Nov. 19; v. 256; p. 645.
"Hotchkiss' 'Glass Jar' Label Brand." (For Raspberries.) California Packing Corporation. No. 20,986; Nov. 19; v. 256; p. 645.
"Household Linen." (For Writing-Tablets, Writing-Papers, and Envelops.) Kalamazoo Stationery Co. No. 20,915; Oct. 22; v. 255; p. 827.
"Hudson Lye." (For a Lye.) A. Mendleson's Sons. No. 20,510; Feb. 12; v. 247; p. 478.
"Hunter Crepe Toilet Paper." (For Toilet-Paper.) Republic Bag & Paper Co. No. 20,829; Sept. 3; v. 254; p. 223.
"Idyll." (For Cigars.) The Tri-State Cigar M'fg. Co. No. 20,726. July 2; v. 252; p. 243.
"Impruv-Mix." (For Paste Impellent to be Used in the Manufacture of Ice-Cream, Sherbets, and Candies.) W. P. Abel. No. 20,540; Mar. 12; v. 248; p. 499.
"Iris." (For Canned Shrimp.) Haas, Baruch & Co. No. 20,593; Apr. 23; v. 249; p. 984.
"Ivripic." (For Toothpicks.) Wausau Manufacturing Company. No. 20,609; May 7; v. 250; p. 253.
"Jacanjili Korn Kisses." (For Candied Popcorn.) The United States Corn Confection Co. No. 20,999; Nov. 19; v. 256; p. 645.
"Jackson's Pocket Gopher Killer." (For a Poison for Killing Rodents.) S. C. Jackson. No. 20,992; Nov. 19; v. 256; p. 645.
"Jersey Creamery Creamery Butter." (For Creamery-Butter.) H. Graffenberg. No. 20,787; Aug. 13, v. 253; p. 511.
"Jim Dandy." (For Lemons.) J. D. Spennetta. No. 20,694; June 18; v. 251; p. 673.
"Jim Dandy." (For Oranges.) J. D. Spennetta. No. 20,695; June 18; v. 251; p. 673.
"Joannes Original Spanish Brand." (For Worcestershire Sauce.) Joannes Brothers Company.) No. 20,877; Oct. 8; v. 255; p. 365.
"Johansen Shoes." (For Shoes.) Johansen Brothers Shoe Company. No. 20,445; Jan. 15; v. 246; p. 822.
"Jolly Traveler." (For Candies.) Honolulu Cracker Co. No. 20,675; June 18; v. 251; p. 673.
"José Fernandez." (For Cigars.) J. Fernandez. No. 21,075; Dec. 24; v. 257; p. 815.
"K-K-K, Keyser's 'Pink' Kold Kapsules." (For Capsules for the Treatment of Colds.) Keyser Chemical Company. No. 20,526; Feb. 26; v. 247; p. 963.
"Kar-Shine." (For a Cleaning and Polishing Fluid.) G. M. Tidwell, Jr. No. 20,972; Nov. 5; v. 256; p. 221.
"Kellogg's Corn-Hot 'The Indian Gave Us Corn' For Every Meal (To Be Cooked) The Original Has This Signature W. K. Kellogg." (For a Prepared Food Made Partly or Wholly of Corn.) Kellogg Toasted Corn Flake Co. No. 20,570; Mar. 26; v. 248; p. 1001.
"Kellogg's Toasted Corn Flakes." (For a Prepared Cereal Food Known as Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 20,879; Oct. 8; v. 255; p. 365.

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"Kellogg's Toasted Corn Flakes are delicious with cream or milk." (For a Prepared Cereal Food Known as Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 20,880; Oct. 8; v. 255; p. 365.
"Kellogg's Toasted Corn Flakes. Every Member of Your Family Needs a Little Bran." (For a Prepared Cereal Food Known as Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 20,883; Oct. 8; v. 255; p. 365.
"Kellogg's Toasted Corn Flakes. Have You Ever Used Kellogg's Bran." (For a Prepared Cereal Food Known as Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 20,882; Oct. 8; v. 255; p. 365.
"Kellogg's Toasted Corn Flakes. Kellogg's Bran—For Your Family's Health." (For a Prepared Cereal Food Known as Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 20,884; Oct. 8; v. 255; p. 365.
"Kentucky Cardinal Brand." (For Apples.) H. P. Barret. No. 21,009; Nov. 26; v. 256; p. 819.
"Kernel." (For Oleomargarin.) Ohio Butterine Company. No. 20,965; Nov. 5; v. 256; p. 221.
"Kettle Rendered, Our Own Make Pure Lard S. Birkenwald Co. Butcher Supplies Portland, Oregon." (For Lard.) No. 20,756; Aug. 6; v. 253; p. 257.
"Kettle Rendered Pure Lard Put up by S. Birkenwald Co. Butcher Supplies Portland, Oregon." (For Lard.) S. Birkenwald Co. No. 20,757; Aug. 6; v. 253; p. 257.
"Kettle Rendered Pure Lard S. Birkenwald Co. Butcher Supplies, Portland, Oregon." (For Lard.) S. Birkenwald Co. No. 20,755; Aug. 6; v. 253; p. 257.
"Keyser's 'Pink' Corn and Bunion Plasters." (For Corn and Bunion Plasters.) Keyser Chemical Company. No. 20,525; Feb. 26; v. 247; p. 963.
"Keyser's 'Pink' Headache Powders." (For Headache-Powders.) Keyser Chemical Company. No. 20,524; Feb. 26; v. 247; p. 963.
"Keyser's 'Pink' Liver Pills." (For Liver-Pills.) Keyser Chemical Company. No. 20,523; Feb. 26; v. 247; p. 963.
"Kil-Odor." (For Deodorants.) A. B. Eldred. No. 20,643; May 28; v. 250; p. 997.
"Kil-Odor." (For Deodorants.) The Eldred Chemical Co. No. 20,644; May 28; v. 251; p. 997.
"Kleensem." (For a Preparation for Removing Paint, Grease and All Impurities.) R. R. Rothermel. No. 20,603; Apr. 23; v. 249; p. 984.
"Klondike Gold." (For Wheat-Flour.) Centennial Mill Company. No. 20,664; June 18; v. 251; p. 673.
"Kolinoides." (For Prophylactic and Antiseptic Tablets.) Oriental Drug Co. No. 20,926; Oct. 22; v. 255; p. 827.
"Krank's Kleanafloor." (For a Preparation for Cleaning and Dust-Proofing Floors.) A. J. Krank. No. 20,563; Mar. 12; v. 248; p. 499.
"Krank's Lemon Cleansing Cream." (For Cold-Cream and Cleansing-Cream.) A. J. Krank. No. 20,716; July 2; v. 252; p. 243.
"Krank's Shoe Cream." (For a Preparation for Polishing and Preserving All Kinds of Leather.) A. J. Krank. No. 20,717; July 2; v. 252; p. 243.
"Kreamed Korn Kernels." (For Creamed Corn-Kernels.) Marshall Canning Company. No. 20,857; Sept. 17; v. 254; p. 654.
"Krisper Kracker." (For Soda Crackers.) G. G. Daniels. No. 20,591; Apr. 23; v. 249; p. 984.
"Kum-A-Part." (For Cuff-Buttons.) The Baer and Wilde Co. No. 20,614; May 21; v. 250; p. 765.
"Kure Zit." (For Ivy-Poisoning.) H. A. Goulden. No. 20,555; Mar. 12; v. 248; p. 499.
"Kurrant." (For Raisins.) W. A. Higgins. No. 20,788; Aug. 13; v. 253; p. 511.
"La Bandera." (For Cigars.) C. Solomon, Jr. No. 21,032; Nov. 26; v. 256; p. 819.
"La Bella Sicilia." (For Macaroni.) Garratto & Catania. No. 20,592; Apr. 23; v. 249; p. 984.
"La Canada." (For Canned Apricots.) Vanomar Producers. No. 20,703; June 18; v. 251; p. 674.
"La Corona De Cuba." (For Cigars.) The Moehle Lithographic Company. No. 20,598; Apr. 23; v. 249; p. 984.
"La Crosse." (For Canned Sardines.) Lower California Fisheries Co. No. 20,596; Apr. 23; v. 249; p. 984.
"La Meda Cold Creamed Powder." (For a Toilet Preparation.) A. M. Hull. Nos. 20,791–2; Aug. 13; v. 253; p. 511.
"La Medalla De Oro." (For Cigars.) The Moehle Lithographic Company. No. 20,600; Apr. 23; v. 249; p. 984.
"La Nelda." (For Cigars.) L. Richards. No. 20,630; May 21; v. 250; p. 765.
"Lactonade." (For a Non-Alcoholic Beverage.) Omaha Beverage Co. No. 20,483; Jan. 22; v. 246; p. 1029.
"Lange's 'Over The Top.'" (For Canned Pumpkins.) The Lange Company. No. 20,916; Oct. 22; v. 255; p. 827.
"Lasses-Tayters." (For Molasses and Sweet-Potato Yams.) G. H. Dunbar & Sons. No. 20,472; Jan. 22; v. 246; p. 1029.
"Last." (For Salad-Oil.) The J. A. Shoemaker Co. No. 21,061; Dec. 24; v. 257; p. 815.
"Le Mietitrici." (For Macaroni.) Ronzoni Macaroni Co. No. 20,808; Aug. 13; v. 253; p. 511.
"Let's go a fishin." (For Steel Fishing-Rods.) The Horton Mfg. Co. No. 20,991; Nov. 19; v. 256; p. 645.
"Liberty Brand." (For Destroyer for Insects.) W. H. H. Yocum. No. 21,002; Nov. 19; v. 256; p. 645.
"Liberty Bread." (For Bread.) The Hammerschlag Manufacturing Company. No. 20,673; June 18; v. 251; p. 673.
"Liberty Weekly Income Record." (For Bookkeeping Systems.) J. Laadt. No. 20,856; Sept. 17; v. 254; p. 654.
"Lily Towels." (For Paper Towels.) Lily Cup Co. No. 20,917; Oct. 22; v. 255; p. 827.
"Linda Vista Brand." (For Canned Apricots.) V. K. Morgan. No. 20,963; Nov. 5; v. 256; p. 221.
"Lindflax Suiting." (For Suitings.) Heller & Long. No. 20,476; Jan. 22; v. 246; p. 1029.
"Lock Brand." (For Crates Containing Fresh Grapes.) California Fruit Exchange. No. 20,737; July 30; v. 252; p. 1141.
"Locomotive Picture Puzzle." (For a Picture-Puzzle.) McLoughlin Brothers. No. 20,922; Oct. 22; v. 255; p. 827.
"Longman's Superior White Zinc." (For White Zinc.) Longman and Martinez. No. 20,447; Jan. 15; v. 246; p. 822.
"Loraine's P and P Dermal Lotion." (For a Liquid Lotion for Chapped Hands, Face, and Lips.) Blink & Kirchner. No. 20,874; Oct. 8; v. 255; p. 365.
"Los Angeles Valley." (For Canned Peaches.) Vanomar Producers. No. 21,070; Dec. 24; v. 257; p. 815.
"Love Letters." (For Candy Chocolate Dainties.) Val Blatz, Jr. Candy Co. No. 20,973; Nov. 5; v. 256; p. 221.
"Lovelee." (For Hair-Nets.) S. Glenby, Inc. No. 20,672; June 18; v. 251; p. 673.
"Loyalty." (For Flour.) Centennial Mill Co. No. 20,731; July 9; v. 252; p. 502.
"Loyalty." (For Condensed Milk.) Middle States Condensed Milk Corp. No. 20,678; June 18; v. 251; p. 673.
"Loyalty Bread." (For Bread.) R. L. Nafziger. No. 20,482; Jan. 22; v. 246; p. 1029.
"Luster Auto Klean." (For Auto-Polish.) W. C. Niles. No. 20,626; May 21; v. 250; p. 765.
"M. F. B. Scientific Hair Grower." (For a Hair Preparation.) F. M. Banks. No. 20,976; Nov. 19; v. 256; p. 645.
"Ma-Toneta." (For a Hair-Tonic.) A. Sheestack. No. 20,863; Sept. 17; v. 254; p. 654.
"Madam A. G. Burdette's Positive Hair Grower." (For a Hair Preparation.) Mrs. A. G. Burdette. No. 21,014; Nov. 26; v. 256; p. 819.
"Magic Remedy." (For a Remedy Used for the Purpose of a Laxative.) McNeil Drug Co. No. 20,923; Oct. 22; v. 255; p. 827.
"Malldunn Anti-Sor-Nes Oil." (For a Healing Oil or Liniment.) Malldunn Medicine Company. No. 20,993; Nov. 19; v. 256; p. 645.
"Manganese Paste." (For Manganese Paste.) Stewart Dickson & Co., Inc. No. 20,865; Sept. 17; v. 254; p. 654.
"Manhattan." (For Cocoa.) Manhattan Baking Powder Co. No. 20,677; June 18; v. 251; p. 673.
"Manhattan, Our Best." (For Baking-Powder.) Manhattan Baking Powder Co. No. 20,887; Oct. 8; v. 255; p. 365.
"Marca Vittoria." (For Tomato Paste.) G. Di Giuseppe. No. 20,854; Sept. 17; v. 254; p. 654.
"Marco Kold-Pak." (For Jar-Rubbers.) United States Rubber Company. No. 21,066; Dec. 24; v. 257; p. 815.
"Marian." (For Canned Peaches.) Vanomar Producers. No. 20,699; June 18; v. 251; p. 674.
"Mariner's Flag." (For Canned Salmon.) Alaska Salmon Co. No. 20,543; Mar. 12; v. 248; p. 499.
"Martha-Ann." (For Fruit Cake.) G. A. Rush. No. 20,653; May 28; v. 250; p. 997.
"Martino." (For Canned Tomato Paste.) Martinez Canning Co. No. 20,858; Sept. 17; v. 254; p. 654.
"Mary's Pure Ribbon Cane Syrup." (For Table-Syrups.) Mary and Tuma. No. 20,625; May 21; v. 250; p. 765.
"Mason's Peaks Chocolate Cocoanut." (For Chocolate Cocoanut Candy.) Mason, Au & Magenheimer. No. 21,024; Nov. 26; v. 256; p. 819.
"Mayer's Redeemer of Gonorrhea and Syphilis Tertiary." (For the Cure of Gonorrhea and Syphilis Tertiary.) E. Mayer. No. 20,994; Nov. 19; v. 256; p. 645.
"McLoughlin's American Army and Navy Cut Outs." (For Cut-Outs.) McLoughlin Brothers. No. 20,894; Oct. 8; v. 255; p. 365.
"McLoughlin's One-Syl-La-Ble Books." (For a Jacket or Wrapper for the Books of the Series.) McLoughlin Brothers. No. 20,893; Oct. 8; v. 255; p. 365.
"McQuay-Norris Superoyl Ring." (For Rings.) McQuay-Norris Mfg. Company. No. 20,749; July 30; v. 252; p. 1141.
"Medical." (For Toilet-Paper.) A. M. Eaton Paper Co. No. 20,835; Sept. 10; v. 254; p. 449.

Alphabetical list of labels—Continued.

"'Meltonia' (Cloth) Made Expressly For 'Vogue Clothes.'" (For Clothes.) L. Black Company. No. 20,515; Feb. 26; v. 247; p. 963.
"Mesco brand cup tested Coffee, M. E. Swing Co., Washington, D. C. Blended So As To Produce A Coffee That Improves As It Cools In The Cup." (For Coffee.) No. 20,866; Sept. 17; v. 254; p. 654.
"Mikado." (For Tea.) The Keystone Co. No. 20,768; Aug. 6; v. 253; p. 257.
"Mikado." (For Chocolate Fruit Cake.) S. Ruttenberg. No. 20,932; Oct. 22; v. 255; p. 827.
"Miller Standard." (For Cartons Containing Hot-Water Bottles.) The Miller Rubber Co. No. 20,679; June 18; v. 251; p. 673.
"Miss Paul's Perfection Hair Tonic." (For Hair-Tonic.) M. S. Paul. No. 21,093; Dec. 31; v. 257; p. 1079.
"Miss Paul's Perfection Shampoo." (For Shampoo.) M. S. Paul. No. 21,094; Dec. 31; v. 257; p. 1079.
"Mission." (For Canned Sardines.) White Star Canning Co. No. 20,868; Sept. 17; v. 254; p. 654.
"Moon Brand." (For Evaporated Milk.) White House Milk Products Co. No. 21,001; Nov. 19; v. 256; p. 645.
"Moorhead." (For Orange Marmalade.) E. S. Moorhead. No. 20,802; Aug. 13; v. 253; p. 511.
"Morgan's Brand." (For Canned Tomatoes.) V. K. Morgan. No. 20,964; Nov. 5; v. 256; p. 221.
"Morning Glow Creme." (For Facial Cream.) C. Reeves. No. 20,691; June 18; v. 251; p. 674.
"Mt. Diablo Fruit Farm." (For California Bartlett Pears.) P. Bancroft. No. 20,910; Oct. 22; v. 255; p. 827.
"My Favorite." (For Coffee.) Clark & Host Co. No. 20,851; Sept. 17; v. 254; p. 654.
"My-T Nice." (For Sugar-Cane.) Thomas & Co. No. 20,971; Nov. 5; v. 256; p. 221.
"Naval Maneuvers." (For a Game.) McLoughlin Brothers. No. 20,798; Aug. 13; v. 253; p. 511.
"Navarro Brand." (For Canned Sardines in Peanut-Oil.) Coast Fishing Company, Inc. No. 20,988; Nov. 19; v. 256; p. 645.
"Needmore." (For Canned Lima Beans.) Marshall Canning Co. No. 20,888; Oct. 8; v. 255; p. 365.
"Needmore Brand," (For Canned Corn-Kernels in Rich Creamy Milk.) Marshall Canning Co. No. 20,919; Oct. 22; v. 255; p. 827.
"Never Rip 'The Economy Glove.'" (For Gloves.) Michigan Motor Garment Co. No. 20,890; Oct. 8; v. 255; p. 365.
"Newton's Eggno." (For an Egg Substitute.) The Newton Tea & Spice Co. No. 20,579; Apr. 2; v. 249; p. 234.
"Niagara Fire Pot." (For Dry Batteries.) A. H. Berry. No. 20,616; May 21; v. 250; p. 765.
"Niagara Luminator." (For Dry Batteries.) A. H. Berry. No. 20,615; May 21; v. 250; p. 765.
"Niagara Signal." (For Dry Batteries.) A. H. Berry. No. 20,636; May 28; v. 250; p. 997.
"Nile Garden." (For Canned Tomatoes with Purée from Trimmings.) Nile Garden Canning Co. No. 20,924; Oct. 22; v. 255; p. 827.
"Nilo-Lager." (For Beer.) A. Schreiber Brewing Co. No. 20,810; Aug. 13; v. 253; p. 511.
"1918 Brand." (For Canned Apricots.) San Fernando Canning Co. No. 21,060; Dec. 24; v. 257; p. 815.
"No Blow Atherton Quality Veil." (For Veils.) J. A. Dunham. No. 20,712; July 2; v. 252; p. 243.
"No-Fly." (For a Fly-Spray.) W. D. Carpenter Co. No. 20,710; July 2; v. 252; p. 243.
"No. 13 Auto Polish." (For Automobile-Polish.) Buquor Motor Co. No. 20,468; Jan. 22; v. 246; p. 1029.
"Novelty Fashioned." (For Hosiery.) Juniata Hosiery Mills. No. 20,794; Aug. 13; v. 253; p. 511.
"Nu-Hair Restorer." (For a Preparation for the Hair.) Mme. King. No. 20,446; Jan. 15; v. 246; p. 822.
"Nugget." (For Canned Peaches.) Vanomar Producers. No. 21,068; Dec. 24; v. 257; p. 815.
"Nuglo." (For Automobile-Polish.) The Nuglo Company. No. 20,530; Feb. 26; v. 247; p. 963.
"Nupak." (For Coffee.) Haas, Baruch & Co. No. 20,444; Jan. 15; v. 246; p. 822.
"O K Soot Destroyer." (For Soot-Destroyer.) The National Chemical Co. No. 20,566; Mar. 19; v. 248; p. 767.
"Obacco." (For a Substitute for Tobacco.) W. E. Walters. No. 21,000; Nov. 19; v. 256; p. 645.
"Officer Uniform Brands." (For Lemons.) Goldenwest Citrus Ass'n. No. 20,954; Nov. 5; v. 256; p. 221.
"Ol-Iv-Nut." (For Blended Olive and Peanut Oils.) John G. Numeister Co. No. 21,059; Dec. 24; v. 257; p. 815.
"Old Deerfield." (For Writing-Paper and Envelops.) The Taylor-Atkins Paper Company. No. 20,771; Aug. 6; v. 253; p. 257.
"Old English." (For Worcestershire Sauce.) Joannes Brothers Company. No. 20,878; Oct. 8; v. 255; p. 365.
"Oleaqua." (For Hair-Tonic.) J. Honore. No. 20,744; July 30; v. 252; p. 1141.
"Olmstead's Silk Oil." (For a Prepared Oil for Softening and Degumming Raw Silk.) Loos & Dilworth. No. 20,478; Jan. 22; v. 246; p. 1029.
"100% Pure Clarx New Process Whole Wheat Flour." (For Whole-Wheat Flour.) Clarx Milling Company. No. 20,470; Jan. 22; v. 246; p. 1029.
"Orange Blossom." (For Suppositories.) Dr. J. A. McGill. No. 20,529; Feb. 26; v. 247; p. 963.
"Orwood." (For Canned Asparagus.) R. Hickmott Canning Co. No. 20,558; Mar. 12; v. 248; p. 499.
"Over Awl Brand." (For Orange Shellac.) G. J. Liebich Co. No. 20,886; Oct. 8; v. 255; p. 365.
"Over The Top." (For Cigars.) Cubola Cigar Company, Inc. Nos. 21,016–17; Nov. 26; v. 256; p. 819.
"Over The Top." (For Chocolates.) J. Rosenfeld. No. 20,723; July 2; v. 252; p. 243.
"Over The Top Into Berlin." (For Games.) S. M. Swayze. No. 20,725; July 2; v. 252; p. 243.
"Over The Top Zymange." (For a Preparation for the Treatment of Human Hair.) W. Zimmerman. No 21,046; Nov. 26; v. 256; p. 820.
"Oxford." (For Oranges.) J. McInnes. No. 20,795; Aug. 13; v. 253; p. 511.
"Ozene." (For Hair-Tonic and Dandruff Remedy.) Ozene Company. No. 20,720; July 2; v. 252; p. 243.
"P. D. S. Cough Stop." (For Cough Medicine.) Kundert and Steinle. No. 21,022; Nov. 26; v. 256; p. 819.
"Pacific." (For Lemons.) Johnston Fruit Co. No. 20,715; July 2; v. 252; p. 243.
"Packard Bonny Brown." (For Shoe and Leather, Kid, Calf, and Cordovan Dressing.) Packard Dressing Co. No. 20,806; Aug. 13; v. 253; p. 511.
"Packard Bright-O." (For Shoe and Leather Dressings.) Packard Dressing Co. No. 20,680; June 18; v. 251; p. 673.
"Packard Clean-O." (For Shoe and Leather Dressing.) Packard Dressing Co. No. 20,683; June 18; v. 251; p. 673.
"Packard Cream-O." (For Shoe and Leather Dressings.) Packard Dressing Co. No. 20,682; June 18; v. 251; p. 673.
"Packard Glycerine." (For a Shoe-Dressing.) Packard Dressing Co. No. 20,681; June 18; v. 251; p. 673.
"Packard Shoe Polishes." (For Shoe-Dressing.) Packard Dressing Co. No. 20,649; May 28; v. 250; p. 997.
"Pall Mall Olive Oil." (For Pure Olive-Oil.) L. E. Schoenfeld. No. 20,735; July 9; v. 252; p. 502.
"Pan-lan Stock Regulator." (For Pan-lan Stock-Regulator.) Harlan Products Company. No. 20,990; Nov. 19; v. 256; p. 645.
"Paramount." (For Canned Sardines.) South Coast Canning Co. No. 20,816; Aug. 13; v. 253; p. 512.
"Patrick County, Va. Fairy or Luck Stone Co." (For Virginia Fairy or Lucky Stones.) E. E. Haley. No. 20,521; Feb. 26; v. 247; p. 963.
"Pauline Garcia." (For Cigars.) D. Zlattner. No. 20,728; July 2; v. 252; p. 243.
"Pearl Oil." (For Illuminating-Oil.) Standard Oil Company. No. 20,493; Jan. 22; v. 246; p. 1029.
"Peco." (For Canned Goods.) O. W. Peirce Company. No. 20,862; Sept. 17; v. 254; p. 654.
"Peerless." (For Orange-Juice.) Peerless Orange Juice Company. No. 20,769; Aug. 6; v. 253; p. 257.
"Peerless Polish." (For Polishing Compounds.) Peerless Polish Co. No. 20,531; Feb. 26; v. 247; p. 963.
"Peg-At-My-Heart." (For a Game.) W. G. Young. No. 20,451; Jan. 15; v. 246; p. 822.
"Pep." (For Non-Alcoholic Carbonated Beverages.) The Columbia Laboratories Co. No. 20,549; Mar. 12; v. 248; p. 499.
"Pep-O-Mint Life Savers, The Candy Mint With The Hole." (For Candy Lozenges.) Mint Products Company, Inc. No. 20,995; Nov. 19; v. 256; p. 645.
"Perfect." (For Spring Snap-Fasteners.) Perfect Fastener Co. Nos. 21,028–9; Nov. 26; v. 256; p. 819.
"Perfection Orange Grapefruit Marmalade." (For Marmalade.) C. H. Moss. No. 20,480; Jan. 22; v. 246; p. 1029.
"Perkins Perfect Peanut Products." (For Peanuts, Both Fresh and Salted.) Perkins Brothers. No. 20,928; Oct. 22; v. 255; p. 827.
"Perkins Royal Extra Blend Coffee." (For Coffee.) R. P. Perkins. No. 20,485; Jan. 22; v. 246; p. 1029.
"Personal Scale." (For Scales.) C. Elliott. No. 20,783; Aug. 13; v. 253; p. 511.
"Perwo." (For a Non-Intoxicating Beverage.) I. P. Levy. No. 20,823; Sept. 3; v. 254; p. 223.
"Peters Reignskin." (For Shoe Fabric.) Peters Manufacturing Co. No. 20,896; Oct. 8; v. 255; p. 365.
"Petofi Sandor." (For Smoking-Tobacco.) M. Rippenbein. No. 20,602; Apr. 23; v. 249; p. 984.
"Pink of Perfection." (For Canned Salmon.) Petersburg Packing Co. No. 20,505; Feb. 5; v. 247; p. 221.
"Polka." (For Laundry Bluing.) G. W. Hodgkins. No. 20,789; Aug. 13; v. 253; p. 511.
"Polly Brand Neufchatel Cheese." (For Neufchatel Cheese.) Breakstone & Levine. No. 20,467; Jan. 22; v. 246; p. 1029.

Alphabetical list of labels—Continued.

"Poppy Brand." (For Melons.) Crutchfield & Woolfolk. No. 20,617; May 21; v. 250; p. 765.
"Port-O-Live." (For a Tonic.) Port-O-Live Tonic Company. No. 20,486; Jan. 22; v. 246; p. 1029.
"Potlatch." (For Fresh Apples.) Growers Service Company. No. 20,520; Feb. 26; v. 247; p. 963.
"Pro Patria." (For Cigars.) Maud & Bodkin. No. 21,090; Dec. 31; v. 257; p. 1079.
"Prohi." (For a Non-Alcoholic Beverage Used as a Substitute for Beer.) L. von Hedemann. No. 20,904; Oct. 8; v. 255; p. 365.
"Pueblo Brand." (For Canned Apricots.) V. K. Morgan. No. 20,962; Nov. 5; v. 256; p. 221.
"Pulvoids, No. 373 Natrium Compound High Tension, Dr. M. C. Thrush." (For Pulvoids Representing a Compound of Potassium Nitrate, Sodium Nitrate, Sodium Bicarbonate, Nitroglycerin, Fluid Extract Cratægus Oxyacantha.) The Drug Products. Co. No. 20,670; June 18; v. 251; p. 673.
"Puraqua Water." (For Distilled Water.) Fair City Bottling Works. No. 20,760; Aug. 6; v. 253; p. 257.
"Puritan Beauty." (For Face-Powder.) Puritan Pharmaceutical Co. No. 20,898; Oct. 8; v. 255; p. 365.
"Puritan Brand." (For Beverages and Non-Alcoholic Drinks.) Puritan Mfg. Co. No. 20,487; Jan. 22; v. 246; p. 1029.
"Purity Brand." (For Pure Tomato Sauce.) P. Pastene & Co. No. 20,927; Oct. 22; v. 255; p. 827.
"Purity Brand Coffee." (For Coffee.) Japan Tea Co. No. 20,914; Oct. 22; v. 255; p. 827.
"Puzzle Pictures Fascinating and Instructive." (For Puzzles.) Rogers & Company. Nos. 20,930–1; Oct. 22; v. 255; p. 827.
"Puzzle Pictures Fascinating & Instructive." (For Puzzles.) Rogers & Company. No. 20.968; Nov. 5; v. 256; p. 221.
"Pyramid." (For Coffee.) K. Arabadjian. No. 20,635; May 28; v. 250; p. 997.
"Pyrotol." (For Dental Preparations.) Pyrotol Chemical Company. No. 20,629; May 21; v. 250; p. 765.
"Quality." (For Canned Salmon.) Syme, Eagle & Co. No. 20,604; Apr. 23; v. 249; p. 984.
"Quality." (For Canned Sardines.) Lower California Fisheries Co. No. 20,595; Apr. 23; v. 249; p. 984.
"Racine High Speed." (For Metal-Cutting Machines.) Racine Tool & Machine Co. No. 20,513; Feb. 12; v. 247; p. 478.
"Radio." (For a Non-Alcoholic, Non-Intoxicating Fruit and Nut Beverage.) D. N. Goldberg. No. 20.842; Sept. 10; v. 254; p. 449.
"Rainbow Chocolates." (For Candy-Boxes.) Friedman Kerr Company. No. 20,578; Apr. 2; v. 249; p. 234.
"Re-Juvenating Cold Cream." (For a Pharmaceutical Preparation.) Re-Juvenating Co. No. 20,688; June 18; v. 251; p. 673.
"Re-Juvenating Tissue Cream." (For a Pharmaceutical Preparation.) Re-Juvenating Co. No. 20,690; June 18; v. 251; p. 673.
"Real American." (For Cigars.) L. Naes. No. 20,648; May 28; v. 250; p. 997.
"Recreation." (For Cigar-Boxes.) Berriman Bros. No. 20,576; Apr. 2; v. 249; p. 234.
"Red Eagle." (For Salmon.) Panama Packing Co. No. 21,026; Nov. 26; v. 256; p. 819.
"Red Fox Brand." (For Oranges.) J. D. Spennetta. No. 20,818; Aug. 13; v. 253; p. 512.
"Red Ribbon." (For String-Beans.) William Cluff Company. No. 20,668; June 18; v. 251; p. 673.
"Red Seal Chocolate Cream Soda Water." (For Chocolate Soda-Water.) Warner Jenkinson Mfg. Company. No. 20,905; Oct. 8; v. 255; p. 365.
"Red Seal Ginger Ale." (For Ginger-Ale.) Warner Jenkinson Mfg. Company. No. 20,906; Oct. 8; v. 255; p. 365.
"Red Shield." (For Toilet-Paper.) A. M. Eaton Paper Co. No. 20,837; Sept. 10; v. 254; p. 449.
"Red Star." (For Canned Tuna Flakes.) White Star Canning Co. No. 20,534; Feb. 26; v. 247; p. 963.
"Redlands Best." (For Oranges.) Bryn Mawr Fruit Growers Association. No. 21,050; Dec. 24; v. 257; p. 815.
"Reel Brand." (For Chicken Tamales.) Goetjen & Workman. No. 21,056; Dec. 24; v. 257; p. 815.
"Regatta." (For Cigars.) J. J. Schaab. No. 20,809; Aug. 13; v. 253; p. 511.
"Remue." (For a Proprietary Preparation.) The Remue Remedies Company. No. 20,722; July 2; v. 252; p. 243.
"Rex Liquid Cement." (For a Liquid Cement.) The Rex Specialty Co. No. 20,671; June 18; v. 251; p. 673.
"River King." (For Canned Salmon.) Alaska Salmon Co. No. 20,541; Mar. 12; v. 248; p. 499.
"Robinson Crusoe Games." (For Games.) The Weinthrop Company. No. 20,586; Apr. 2; v. 249; p. 234.
"Rocky Ford." (For Canned Salmon.) Alaska Salmon Co. No. 20,544; Mar. 12; v. 248; p. 499.
"Rodondo." (For Canned Peaches.) Vanomar Producers. No. 20,700; June 18; v. 251; p. 674.
"Roly Poly Crepe Toilet Paper." (For Toilet-Paper.) Republic Bag & Paper Co. No. 20,828; Sept. 3; v. 254; p. 223.
"Rookies." (For Goober Kisses.) Frank E. Block Company. No. 20,758; Aug. 6; v. 253; p. 257.
"Royal Standard." (For Canned Salmon.) Alaska Salmon Co. No. 20,542; Mar. 12; v. 248; p. 499.
"Rumo." (For a Non-Intoxicating Beverage.) G. S. Steinberg. No. 20,495; Jan. 22; v. 246; p. 1029.
"Russian Style Fruit Karamel." (For Candy.) Russian Candy Co. No. 20,654; May 28; v. 250; p. 997.
"Russian Style Fruit Karamel." (For Candy.) Russian Candy Co. Nos. 21,003–6; Nov. 26; v. 256; p. 819.
"S M S 6=Months Sock." (For Socks.) C. W. Taves Co. No. 21,063; Dec. 24; v. 257; p. 815.
"Sabnor." (For Cigars.) Brawley Brothers. No. 20,637; May 28; v. 250; p. 997.
"Sacred Heart of Jesus." (For Wax Tapers.) G. J. Buisson. No. 20,776; Aug. 13; v. 253; p. 511.
"Sailor Uniform Brands." (For Lemons.) Goldenwest Citrus Ass'n. No. 20,955; Nov. 5; v. 256; p. 221.
"Salvo." (For a Non-Intoxicating Beverage.) The Chicago Consolidated Brewing & Malting Co. No. 20,667; June 18; v. 251; p. 673.
"Salvus Dental Cream." (For Dental Cream.) B. E. Turney. No. 20,697; June 18; v. 251; p. 673.
"Sani-Fold Tooth Brush." (For Tooth-Brushes.) The Sani-Fold Company of California. No. 20,488; Jan. 22; v. 246; p. 1029.
"Sanitare." (For Nursing-Nipples.) Harris and Berntz Co. No. 20,556; Mar. 12; v. 248; p. 499.
"Santa Cruz." (For Canned Asparagus.) R. Hickmott Canning Co. No. 20,560; Mar. 12; v. 248; p. 499.
"Santa Cruz." (For Canned Sardines.) Santa Cruz Canning Corporation. No. 21,031; Nov. 26; v. 256; p. 819.
"Sauer's." (For Flavoring Extracts.) The C. F. Sauer Co. No. 20,724; July 2; v. 252; p. 243.
"Savoy Brand." (For Tomato Paste.) Mt. Holly Canning Co. No. 20,481; Jan. 22; v. 246; p. 1029.
"Saxon." (For Apple Cider.) G. Blaufuss. No. 20,660; June 18; v. 251; p. 673.
"Schuster's Marshmallow Topping." (For Marshmallow Preparation.) The Schuster Company. No. 20,969; Nov. 5; v. 256; p. 221.
"Schuster's Orange Rickey." (For Orange Rickey.) The Schuster Company. No. 20,997; Nov. 19; v. 256; p. 645.
"Schwarzenbach 'Brewing Co.' New National Brew." (For a Non-Intoxicating Beverage.) Schwarzenbach Brewing Co. No. 20,812; Aug. 13; v. 253; p. 511.
"Schwarzenbach New National Beverage." (For Non-Intoxicating Beverage.) Schwarzenbach Brewing Co. No. 20.811; Aug. 13; v. 253; p. 511.
"Sea Gull." (For Toilet-Paper.) A. M. Eaton Paper Co. No. 20,834; Sept. 10; v. 254; p. 449.
"Sea Pearl." (For Canned Tuna Fish.) Lower California Fisheries Co. No. 20,594; Apr. 23; v. 249; p. 984.
"Service." (For Canned Peas.) Holmen Canning Co. No. 20,561; Mar. 12; v. 248; p. 499.
"Silcoknit Fabric." (For Knitted Fabric.) Asbury Mills. No. 20,859; Sept. 17; v. 254; p. 654.
"Smith-Kirk Hard Centers." (For Chocolates.) Milwaukee Paper Box Company. No. 20,846; Sept. 10; v. 254; p. 449.
"Smith-Kirk Nuts and Jams." (For Chocolates.) Milwaukee Paper Box Company. No. 20,845; Sept. 10; v. 254; p. 449.
"Smithfield's Quality Golden Bantam Corn." (For Canned Golden Bantam Corn.) The Smithfield's Pure Food Co. No. 20,864; Sept. 17; v. 254; p. 654.
"Snow-Like." (For Flour.) Washington Grain and Milling Company. No. 20.508; Feb. 5; v. 247; p. 221.
"Snow White." (For Water-Color Fluid.) J. W. Johnston. No. 20,624; May 21; v. 250; p. 765.
"Soft—but Satisfying." (For Non-Alcoholic Cereal Beverage.) Rainier Products Co. No. 20,929; Oct. 22; v. 255; p. 827.
"Songbird Crepe Toilet-Tissue." (For Toilet-Paper.) Republic Bag & Paper Co. No. 20,830; Sept. 3; v. 254; p. 223.
"Southland." (For Candy.) Elmer Candy Co. No. 20,517; Feb. 26; v. 247; p. 963.
"Sparkling Silverspoon." (For a Non-Intoxicating Refreshing Fruit Beverage.) Sparkling Silverspoon Co. No. 20,514; Feb. 12; v. 247; p. 478.
"Spear-Em." (For a Game.) W. G. Young. No. 20,452; Jan. 15; v. 246; p. 822.
"Sphinx." (For Canned Sardines.) French Sardine Company. No. 20,645; May 28; v. 250; p. 997.
"Sphinx." (For Men's Athletic Underwear.) Sphinx Underwear Co. No. 20,902; Oct. 8; v. 255; p. 365.
"Splendor American Night-Candles." (For Candles.) Uddo Brothers Company, Inc. No. 21,065; Dec. 24; v. 257; p. 815.
"Sportsman's Chocolate-Bracer—A Man's Chocolate." (For Eating-Chocolate.) Knickerbocker Chocolate Company (Inc.). No. 21,021; Nov. 26; v. 256; p. 819.
"Spring Blossom." (For Flour.) Seattle Grain Company. No. 20,970; Nov. 5; v. 256; p. 221.

Alphabetical list of labels—Continued.

"Spryng-Dew." (For a Pharmaceutical Preparation.) Re-Juvenating Co. No. 20,686; June 18; v. 251; p. 673.
"Star Game." (For a Game.) McLoughlin Brothers. No. 20,799; Aug. 13; v. 253; p. 511.
"Steel Brand." (For Canned Sardines.) Steel Packing Co. No. 21,034; Nov. 26; v. 256; p. 819.
"Steel Proof Socks." (For Socks.) C. W. Taves Co. No. 21,062; Dec. 24; v. 257; p. 815.
"Steele's Deep C." (For Canned Sardines.) Premier Packing Co. No. 20,582; Apr. 2; v. 249; p. 234.
"Steele's Premium." (For Canned Sardines.) Premier Packing Co. No. 20,628; May 21; v. 250; p. 765.
"Stop Dandruff Tonic." (For Hair-Tonic.) Stop Dandruff Co. No. 20,583; Apr. 2; v. 249; p. 234.
"Streptogine." (For Streptogine.) E. V. Green. No. 20,565; Mar. 19; v. 248; p. 767.
"Submarine-Drag." (For a Game.) W. G. Young. No. 20,497; Jan. 22; v. 246; p. 1029.
"Sun Beam." (For California Fresh Fruits.) R. C. Blake. No. 21,047; Dec. 24; v. 257; p. 815.
"Sun Made Brand Nut-Margarine." (For Nut-Margarin.) Northern Ohio Dairy Co. No. 20,925; Oct. 22; v. 255; p. 827.
"Sunderland Tire Pump." (For Tire-Pumps.) Sunderland Manufacturing Co. No. 20,655; May 28; v. 250; p. 997.
"Sunflower Crepe Toilet Paper." (For Toilet-Paper.) Republic Bag & Paper Co. No. 20,825; Sept. 3; v. 254; p. 223.
"Sunrise." (For Evaporated Milk.) G. Batcheller Hall Company. No. 21,011; Nov. 26; v. 256; p. 819.
"Sunrise." (For Oranges.) J. McInnes. No. 20,796; Aug. 13; v. 253; p. 511.
"Sunset." (For Canned Sardines.) Southern California Fish Co. No. 20,693; June 18; v. 251; p. 673.
"Super Six." (For Electric Batteries.) Burgess Battery Company. No. 20,662; June 18; v. 251; p. 673.
"Sweetheart Kisses." (For Kisses.) The Harter Candy Co. No. 20,714; July 2; v. 252; p. 243.
"Swheatmeal." (For a Wheat Food.) E. Davis. No. 20,551; Mar. 12; v. 248; p. 499.
"Tar Off." (For a Preparation for Taking Off or Removing Tar and Road-Oils from Automobiles.) H. S. Castor. No. 20,469; Jan. 22; v. 246; p. 1029.
"Taylor's Perfection." (For Imitation Coffee or Substitute for Coffee.) C. M. Taylor, Jr. No. 20,449; Jan. 15; v. 246; p. 822.
"Tea Rose." (For Condensed Milk.) Merton Dairy Products Co. No. 20,747; July 30; v. 252; p. 1141.
"The Bon Ton." (For Millinery and Millinery-Trimmings.) Bon Ton Millinery Co. No. 20, 978; Nov. 19; v. 256; p. 645.
"The Educator." (For Tablets, Note and Composition Books.) Northwest Tablet Company. No. 20,572; Mar. 26; v. 248; p. 1001.
"The Fair Sex." (For Ladies' Skirts.) H. Shapiro & Co. No. 20,489; Jan. 22; v. 246; p. 1029.
"The Gem Of The Notions." (For Dress-Fasteners.) Columbia Fastener Company. No. 21,015; Nov. 26; v. 256; p. 819.
"The Liberty." (For Snap-Fasteners.) Snap-Fastener Sales Co. Corp. No. 20,751; July 30; v. 252; p. 1141.
"The Million Dolls." (For Hair-Tonic.) J. Palazzolo. No. 20,967; Nov. 5; v. 256; p. 221.
"The New Edison 'The Phonograph with a Soul.'" (For Phonographs.) Thomas A. Edison, Inc. Nos. 20,732–3; July 9; v. 252; p. 502.
"The Tri-Font." (For Nursing-Nipples.) Harris & Berntz Co. No. 20,767; Aug. 6; v. 253; p. 257.
"The Vogue Beach Attire." (For Beach Attire.) L. C. Asch. No. 20,821; Aug. 13; v. 253; p. 512.
"Thirst-Ade." (For a Non-Alcoholic Beverage.) S. E. Tillitt. No. 20,998; Nov. 19; v. 256; p. 645.
"Thoro." (For Powdered Skin-Cleanser.) The Thoro Corporation. No. 20,736; July 9; v. 252; p. 502.
"Thoro." (For a Powdered Skin-Cleanser.) The Thoro Corporation. No. 20,773; Aug. 6; v. 253; p. 257.
"3 Cigars—(and a cent) For a Quarter." (For Cigars.) American Cigar Co. No. 20,942; Nov. 5; v. 256; p. 221.
"3 Cigars—(and a penny) for 25¢." (For Cigars.) American Cigar Co. No. 20,941; Nov. 5; v. 256; p. 221.
"Three Minute Noodles." (For Noodles.) Three Minute Noodle Co. No. 20,820; Aug. 13; v. 253; p. 512.
"Thrift." (For Coffee in Cans.) Duncan Coffee Co. No. 21,154; Dec. 24; v. 257; p. 815.
"Thrift War Selected Chocolates." (For Chocolates.) Milwaukee Paper Box Company. No. 20,844; Sept. 10; v. 254; p. 449.
"Toast Brown." (For Coffee.) Deshler Coffee Co. No. 20,552; Mar. 12; v. 248; p. 499.
"Tooth Picks." (For Toothpicks.) Cutter-Tower Company. No. 20,471; Jan. 22; v. 246; p. 1029.
"Trench." (For Shirts.) Salant & Salant. No. 20,632; May 21; v. 250; p. 765.
"Trench Proof." (For a Waterproofing Compound.) Erwva Chemical Manufacturing Company. No. 20,784; Aug. 13; v. 253; p. 511.
"Trench Tubes." (For Trench-Tubes.) Davis & Geck. No. 20,711; July 2; v. 252; p. 243.
"Triumph." (For Nursing-Nipples.) Harris and Berntz Co. No. 20,557; Mar. 12; v. 248; p. 499.
"20th Century." (For Liniment.) Mitchell Chemical Company, Inc. No. 21,092; Dec. 31; v. 257; p. 1079.
"Twin Rock." (For Laxative Water.) Twin Rock Water Co. No. 20,584; Apr. 2; v. 249; p. 234.
"U-No." (For a Non-Intoxicating Beverage.) The Sugar Loaf Beverage Co. No. 20,532; Feb. 26; v. 247; p. 963.
"'U G' Grand with Shield." (For Extra Fancy Quality Cantaloups.) United Growers Association of Turlock. No. 20,934; Oct. 22; v. 255; p. 827.
"U. S. A. The National Game." (For Playing-Cards.) J. J. Vasey. No. 20,974; Nov. 5; v. 256; p. 221.
"Universal Cigar Co." (For Cigars.) Universal Cigar Co. No. 20,507; Feb. 5; v. 247; p. 221.
"Uta-Fruta Berriju." (For Fruit Beverage.) Hewlett-Wilson Beverage Co. No. 20,674; June 18; v. 251; p. 673.
"V. Formusa." (For Alimentary Paste.) V. Formusa. No. 20,743; July 30; v. 252; p. 1141.
"Valiantine." (For Liniment.) Valiant Sales Company. No. 20,633; May 21; v. 250; p. 765.
"Valu-Gage Certified Field Fencing Number 11 Series." (For Steel-Wire Gage.) J. Armstrong. No. 20,870; Oct. 8; v. 255; p. 365.
"Valu-Gage Certified Field Fencing Number 9 Series." (For Steel-Wire Gage.) J. Armstrong. No. 20,871; Oct. 8; v. 255; p. 365.
"Valu-Gage Certified Fencing Number 12 Series." (For Steel-Wire Gage.) J. Armstrong. No. 20,872; Oct. 8; v. 255; p. 365.
"Van Camps." (For Canned Sardine Paste.) Van Camp Sea Food Co. No. 20,656; May 28; v. 250; p. 997.
"Van Camp's Chile Con Carne." (For Chile-Con-Carne.) The Van Camp Packing Company. No. 21,042; Nov. 26; v. 256; p. 819.
"Van Camp's Chili Sauce." (For Chilli Sauce.) The Van Camp Packing Company. No. 21,041; Nov. 26; v. 256; p. 819.
"Van Camp's Consomme." (For Consommé.) The Van Camp Packing Company. No. 20,903; Oct. 8; v. 255; p. 365.
"Van Camp's Hominy." (For Hominy.) The Van Camp Packing Company. No. 21,036; Nov. 26; v. 256; p. 819.
"Van Camp's Mustard." (For Mustard.) The Van Camp Packing Company. No. 21,039; Nov. 26; v. 256; p. 819.
"Van Camp's Peanut Butter." (For Peanut-Butter.) The Van Camp Packing Company. No. 21,037; Nov. 26; v. 256; p. 819.
"Van Camp's Pumpkin." (For Pumpkin in Cans.) The Van Camp Packing Company. No. 21,040; Nov. 26; v. 256; p. 819.
"Van Camp's Spaghetti." (For Spaghetti.) The Van Camp Packing Company. No. 21,038; Nov. 26; v. 256; p. 819.
"Van Camp's Tomato Catsup." (For Tomato Catsup.) The Van Camp Packing Company. No. 21,043; Nov. 26; v. 256; p. 820.
"Van Nuys. (For Canned Peaches.) Vanomar Producers. No. 21,069; Dec. 24; v. 257; p. 815.
"Vegetable Compound With Viburnum." (For a Medicine.) Dupar & Company. No. 20,610; May 7; v. 250; p. 253.
"Velvet Scotch Snuff." (For Snuff.) Velvet Snuff Co. No. 21,095; Dec. 31; v. 257; p. 1079.
"Victory Cigar." (For Cigars.) C. F. Conrad. No. 21,085; Dec. 31; v. 257; p. 1079.
"Victory Cigarette." (For Cigarettes.) C. F. Conrad. No. 21,153; Dec. 24; v. 257; p. 815.
"W. H. Dyer's Own Pack." (For Tomato Catsup.) W. H. Dyer Company, Evansville, Ind. No. 20,553; Mar. 12; v. 248; p. 499.
"W. H. Dyer's Own Pack." (For Red Kidney-Beans.) W. H. Dyer Company, Evansville, Ind. No. 20,554; Mar. 12; v. 248; p. 499.
"W. H. Dyer's Own Pack." (For String-Beans.) W. H. Dyer Company. No. 20,620; May 21; v. 250; p. 765.
"W. H. Dyer's Own Pack." (For Strawberries.) W. H. Dyer Company, Evansville, Ind. No. 20,949; Nov. 5; v. 256; p. 221.
"Walker's Red Hot Chile Con Carne." (For Chilli-Con-Carne.) Walker Properties Association. No. 20,707; June 18; v. 251; p. 674.
"Walker's Red Hot Tamales." (For Tamales.) Walker Properties Association. No. 20,706; June 18; v. 251; p. 674.
"Wallace's Liverade, Aids The Liver." (For a Remedy for Constipation, Sour Stomach, Indigestion, Sick Headache, Dizziness, Biliousness, and Torpid Liver.) Liverade Medicine Co. No. 20,499; Jan. 29; v. 246; p. 1202.
"War Winner." (For Self-Rising Flour.) Washington Grain & Milling Co. No. 20,935; Oct. 22; v. 255; p. 827.

Alphabetical list of labels—Continued.

"Warner's." (For Macaroni, Spaghetti, Vermicelli, Egg-Alphabets, Egg-Ringlets, Elbow-Spaghetti, and Elbow-Macaroni.) The Warner Macaroni Company. No. 20,567; Mar. 19; v. 248; p. 767.
"Warshauer Steam Rye Bread." (For Bread). Warshauer Steam Rye Bread Co. No. 20,568; Mar. 19; v. 248; p. 767.
"Welch's Grapelade." (For Grapelade.) The Welch Grape Juice Co. No. 20,775; Aug. 6; v. 253; p. 257.
"West Coast." (For Canned Sardines.) Neptune Packing Co. No. 20,895; Oct. 8; v. 255; p. 365.
"West-Falls." (For Hair-Dressing.) J. Palazzolo. No. 20,484; Jan. 22; v. 246; p. 1029.
"Western Brand." (For the Best in Fresh Fruits Only.) Western Fruit & Produce Co. No. 21,072; Dec. 24; v. 257; p. 815.
"Wheat's." (For Canned Sweetened Condensed Milk.) Wheat's Ice Cream Company. No. 20,867; Sept. 17; v. 254; p. 654.
"White Head." (For a Cereal Beverage.) Rysdale Candy Co. No. 20,848; Sept. 10; v. 254; p. 449.
"White House Brand." (For Canned Unsweetened Evaporated Milk.) White House Milk Products Co. No. 20,936; Oct. 22; v. 255; p. 827.
"White Maltese Cross." (For Apples.) Dennis, Kimball & Pope. No. 20,618; May 21; v. 250; p. 765.
"White Star." (For Canned Mackerel.) White Star Canning Co. No. 20,535; Feb. 26; v. 247; p. 963.
"White Star." (For Canned Sardines in Olive-Oil.) White Star Canning Co. No. 20,536; Feb. 26; v. 247; p. 963.
"White Star." (For Canned Pilchard Sardines.) White Star Canning Co. No. 20,537; Feb. 26; v. 247; p. 963.
"White Star." (For Canned Deviled Tuna.) White Star Canning Co. No. 20,538; Feb. 26; v. 247; p. 963.
"White Star." (For Canned Barracuda.) White Star Canning Co. No. 20,539; Feb. 26; v. 247; p. 963.
"Wide World Havana." (For Cigars.) Andrew and James Cleotelis. No. 21,084; Dec. 31; v. 257; p. 1079.
"Wigwag." (For Canned Salmon.) Alaska Salmon Co. No. 20,546; Mar. 12; v. 248; p. 499.
"Wild Rose Brand." (For Sugar-Cured Cooked Ham Regular.) Brown Brothers. No. 21,148; Dec. 24; v. 257; p. 815.
"Winifred Clark Twin-Plex Knitting Needle." (For Knitting-Needles.) Pacific Novelty Company. No. 20,627; May 21; v. 250; p. 765.
"Wint-O-Green Life Savers, The Candy Mint With The Hole." (For Candy Lozenges.) Mint Products Company. No. 21,078; Dec. 24; v. 257; p. 815.
"Wonderful Number 9 Remedy Divine." (For a Remedial Preparation.) C. W. H. Chapman. No. 20,832; Sept. 10; v. 254; p. 449.
"World's Wonder Polish." (For a Polish.) Bristow & McDonald. No. 20,709; July 2; v. 252; p. 243.
"Wunderland." (For Canned Peaches.) Vanomar Producers. No. 21,067; Dec. 24; v. 257; p. 815.
"Xtra Good." (For Bread.) The R. B. Biscuit Company. No. 20,506; Feb. 5; v. 247; p. 221.
"Xtragood." (For Canned Salmon.) Straits Packing Co. No. 20,696; June 18; v. 251; p. 673.
"Yale Tailoring Company." (For Clothing.) L. Hartz & Bank. No. 20,876; Oct. 8; v. 255; p. 365.
"Young Folks Standard Library." (For Books.) McLoughlin Brothers. No. 20,797; Aug. 13; v. 253; p. 511.
"Yuth-A-Fying Lotion." (For a Treatment for Facial Use.) K. Hart. No. 21,020; Nov. 26; v. 256; p. 819.
"Zatek (The Economical Cocoa)." (For Cocoa.) Pennsylvania Chocolate Company. No. 20,650; May 28; v. 250; p. 997.
"Zealite. (For Cement Plaster.) W. Norton. No. 21,083; Dec. 24; v. 257; p. 815.

ALPHABETICAL LIST OF PRINTS.

"A Blouse With Nine Lives." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,032; Dec. 24; v. 257; p. 816.
"A daily cartoon by Sykes." (For The Evening Ledger.) Public Ledger Company. No. 4,853; Jan. 22; v. 246; p. 1030.
"A Gift of 1847 Rogers Bros. Silverware." (For Silverware.) International Silver Co. No. 4,868; Mar. 12; v. 248; p. 499.
"A Laborious Process." (For Shoes.) W. L. Douglas Shoe Co. No. 4,977; Nov. 5; v. 256; p. 222.
"A Nearby Well." (For Shoes.) W. L. Douglas Shoe Co. No. 5,007; Nov. 26; v. 256; p. 820.
"Airco Welder." (For Oxyacetylene Welding Apparatus.) Air Reduction Sales Company. No. 5,034; Dec. 31; v. 257; p. 1079.
"Aladdin Dye Soap." (For Dye-Soaps.) Aladdin Products Company. No. 4,989; Nov. 19; v. 256; p. 646.
"America's Supreme Ignition System." (For Ignition Apparatus.) Bosch Magneto Company. No. 5,014; Dec. 24; v. 257; p. 816.
"An Ideal Beverage." (For a Non-Intoxicating Beverage.) Beadleston & Woerz. No. 4,862; Feb. 26; v. 247; p. 963.
"At the start of his business venture." (For Shoes.) W. L. Douglas Shoe Co. No. 4,957; Oct. 22; v. 255; p. 828.
"Aunt Jemima pancakes three mornings cost less than one breakfast of meat or eggs—and so delicious!" (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,990; Nov. 19; v. 256; p. 646.
"Auto Indicator Safety Signal." (For Direction-Indicators for Use Upon Automobiles.) Auto Indicator Company. No. 4,974; Nov. 5; v. 256; p. 222.
"Barcalo-Buffalo Pure Kapok Mattresses." (For Kapok Mattresses.) Barcalo Manufacturing Co. No. 4,999; Nov. 26; v. 256; p. 820.
"Be good to your Motor." (For Spark-Plugs.) Express Spark Plug Company. No. 4,917; July 30; v. 252; p. 1141.
"Bergo Refreshes and Benefits." (For a Non-Intoxicating Beverage.) Common Sense Novelty Co. No. 4,875; Apr. 2; v. 249; p. 234.
"Beware." (For Detmer Woolens.) Detmer Woolen Co. No. 4,913; July 2; v. 252; p. 243.
"Bis-Mac." (For a Drink.) The Bis-Mac Manufacturing Co. No. 4,860; Feb. 12; v. 247; p. 478.
"Bis Mac." (For a Drink.) The Bis-Mac Manufacturing Co. No. 4,927; Sept. 3; v. 254; p. 223.
"Black Border." (For Garters.) A. Stein & Company. No. 4,859; Feb. 12; v. 247; p. 478.
"Boston Club." (For Cigars.) C. W. Antrim & Sons. No. 4,940; Sept. 17; v. 254; p. 654.
"Bread." (For Japanned Bread and Cake Boxes.) M. Kamenstein. No. 4,978; Nov. 5; v. 256; p. 222.
"Bread and Cake." (For Japanned Bread and Cake Boxes.) M. Kamenstein. No. 4,943; Sept. 17; v. 254; p. 654.
"Bright Hair Ribbons for Your Little Daughter." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,018; Dec. 24; v. 257; p. 816.
"Bronchal-Ease." (For Bronchal-Ease.) The Bronchal-Ease Company. No. 4,900; June 18; v. 251; p. 674.
"Built to Go Around the World." (For Rubber Tires.) K. F. & C. Tire & Rubber Corporation. No. 4,896; May 28; v. 250; p. 997.
"Cake Closet." (For Japanned Bread and Cake Boxes.) M. Kamenstein. No. 4,979; Nov. 5; v. 256; p. 222.
"Can't Start Too Young." (For a Toilet Cream.) J. C. Crane. No. 4,912; July 2; v. 252; p. 243.
"Capacity 19600 Pairs per Day." (For Shoes.) W. L. Douglas Shoe Co. No. 5,040; Dec. 31; v. 257; p. 1079.
"Child's Play." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,030; Dec. 24; v. 257; p. 816.
"Chinese Thick Sauce." (For Chinese Thick Sauce.) L. Shun. No. 4,988; Nov. 5; v. 256; p. 222.
"Chinese Thin Sauce." (For Chinese Thin Sauce.) L. Shun. No. 4,987; Nov. 5; v. 256; p. 222.
"Clarx Products 100% Pure." (For Flour.) Clarx Milling Company. No. 4,863; Feb. 26; v. 247; p. 963.
"Colorblende Shingles." (For Asbestos Shingles.) H. W. Johns-Manville Co. Nos. 4,870–1; Mar. 19; v. 248; p. 767.
"Come in. Let us show you Detmer University Novelties. Latest Suitings." (For Detmer Woolens.) Detmer Woolen Company. Nos. 4,997–8; Nov. 19; v. 256; p. 646.
"Comfort Collar Clips." (For Comfort Collar-Clips.) Comfort Collar Clip Co. No. 4,948; Oct. 8; v. 255; p. 366.
"Cooper's Original Spring Needle Underwear." (For Underwear.) Black Cat Textiles Company. No. 4,889; May 21; v. 250; p. 765.
"Decorate Your Homes." (For Calcimine.) E. A. Munns Kalsomine Co. No. 4,950; Oct. 8; v. 255; p. 366.
"Delicious Instant Chile Recipes." (For Instant-Chilli.) The Instant Products Company. No. 4,852; Jan. 22; v. 246; p. 1030.
"Depositing all of his first month's earnings in the bank." (For Shoes.) W. L. Douglas Shoe Co. No. 4,916; July 30; v. 252; p. 1141.
"Drink Goldenberry Full Value Coffee." (For Coffee.) Kaufmann & Strauss Company. No. 4,949; Oct. 8; v. 255; p. 366.
"Driving them to pasture." (For Shoes.) W. L. Douglas Shoe Co. No. 4,966; Oct. 22; v. 255; p. 828.
"Duff's Girl." (For a Beverage.) Storz Beverage & Ice Co. No. 4,946; Sept. 17; v. 254; p. 654.

Alphabetical list of prints—Continued.

"'Ed' says he saves a nickel every time he smokes a Cinco Cigar." (For Cinco Cigars.) Otto Eisenlohr and Bros. No. 4,850; Jan. 22; v. 246; p. 1030.
"Eileen Percy." (For Moxie.) The Moxie Co. No. 5,021; Dec. 24; v. 257; p. 816.
"Elect Headstock." (For Head-Stocks.) American Watch Tool Company. No. 4,931; Sept. 10; v. 254; p. 449.
"Elect Lathe." (For Lathes.) American Watch Tool Company. No. 4,933; Sept. 10; v. 254; p. 449.
"Elect Slide Rest." (For Slide-Rests.) American Watch Tool Company. No. 4,934; Sept. 10; v. 254; p. 449.
"Endless Service." (For a Kitchen Implement.) E. J. Osterbauer. No. 4,980; Nov. 5; v. 256; p. 222.
"ESS=ARR Corn Remover." (For a Corn-Remover.) S. Ruwman. No. 4,953; Oct. 8; v. 255; p. 366.
"Everlast." (For Concrete-Hardening.) Concrete Hardening Co. No. 4,848; Jan. 22; v. 246; p. 1030.
"Fishing." (For Shoes.) W. L. Douglas Shoe Co. No. 5,006; Nov. 26; v. 256; p. 820.
"Four Leaf Clover Ventilator." (For Ventilators.) A. F. Roth. No. 4,952; Oct. 8; v. 255; p. 366.
"Francis Pritchard." (For Moxie.) The Moxie Co. No. 5,023; Dec. 24; v. 257; p. 816.
"Garden of Allah." (For Coffee.) Clark & MacKusick Company. No. 4,873; Mar. 26; v. 248; p. 1001.
"Gasoline Today." (For Gasolene and Electric Batteries.) National Carbon Company. No. 4,923; Aug. 6; v. 253; p. 257.
"Gates Half Sole Tires." (For Tires.) The International Rubber Company. No. 4,907; June 18; v. 251; p. 674.
"Gates Tested Tubes." (For Tires.) The Gates Rubber Co. No. 5,010; Nov. 26; v. 256; p. 820.
"Gray-Ape." (For Soft Drinks.) Henry H. Otten M'f'g Co., Inc. No. 5,012; Nov. 26; v. 256; p. 820.
"Group of Children's Photographs." (For Cocoanut-Oil.) The R. L. Watkins Co. No. 4,898; May 28; v. 250; p. 997.
"Half The Fun Of Having Feet." (For Shoes.) International Shoe Co. No. 4,882; Apr. 23; v. 249; p. 984.
"Handy." (For Canners.) Fagley and Halpen. No. 4,942; Sept. 17; v. 254; p. 654.
"Have Your Stockings Match Your Shoe Tops." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,025; Dec. 24; v. 257; p. 816.
"Hays Superseam Gloves." (For Leather Gloves.) The Daniel Hays Company. No. 4,902; June 18; v. 251; p. 674.
"Helping You Sell Articles of Cool—Dress—B. V. D. the Backbone." (For Athletic Underwear.) The B. V. D. Company. No. 5,004; Nov. 26; v. 256; p. 820.
"Here's where you put the pleasure punch into jimmy pipe smokes." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,886; Apr. 23; v. 249; p. 984.
"His idea of play was to work at something." (For Shoes.) W. L. Douglas Shoe Co. No. 4,968; Oct. 22; v. 255; p. 828.
"Home." (For Food Products.) Griggs, Cooper & Company. No. 4,904; June 18; v. 251; p. 674.
"Ice Cream." (For Ice-Cream.) Wolf Advertising Co. No. 4,947; Sept. 17; v. 254; p. 654.
"Icy Hot Eskimo Boy." (For Heat-Insulated Bottles and Carafes.) The Icy Hot Bottle Company. No. 4,906; June 18; v. 251; p. 674.
"Icy Hot Soldier Boy." (For Heat-Insulated Bottles and Carafes.) The Icy Hot Bottle Company. No. 4,905; June 18; v. 251; p. 674.
"If you Kodak." (For Books.) Picture Play Book Company. No. 4,945; Sept. 17; v. 254; p. 654.
"Improved Jeweling Swing Rest." (For Jeweling Swing-Rests.) American Watch Tool Company. No. 4,929; Sept. 10; v. 254; p. 449.
"In 1866 'The Boy Who Pegged Shoes' Decides To Go West." (For Shoes.) W. L. Douglas Shoe Co. No. 4,920; Aug. 6; v. 253; p. 257.
"In 1866 W. L. Douglas Went West." (For Shoes.) W. L. Douglas Shoe Co. No. 5,038; Dec. 31; v. 257; p. 1079.
"Indian Disk." (For a Game.) G. H. Bailey. No. 4,941; Sept. 17; v. 254; p. 654.
"Iroquois Indian Head." (For Beer.) Iroquois Brewing Company. No. 4,894; May 28; v. 250; p. 997.
"Keep Baby's 'Trousseau' Beautiful." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,031; Dec. 24; v. 257; p. 816.
"Keep Your Inkwell Filled With Carter's Writing Fluid." (For Ink.) The Carter's Ink Co. No. 4,844; Jan. 15; v. 246; p. 822.
"Keep your Lingerie Looking New." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,028; Dec. 24; v. 257; p. 816.
"Keeping the house supplied with water." (For Shoes.) W. L. Douglas Shoe Co. No. 4,964; Oct. 22; v. 255; p. 828.
"Kil-Odorite." (For Deodorants.) The Eldred Chemical Co. No. 4,893; May 28; v. 250; p. 997.
"Latest Metal and Gravel Katcher, the Greatest and Only Fire Preventor." (For Gravel-Catchers.) Williams Patent Crusher & Pulverizer Co. No. 4,915; July 9; v. 252; p. 502.
"Laura Walker." (For Moxie.) The Moxie Co. No. 5,024; Dec. 24; v. 257; p. 816.
"Let Davidsons Furnish Your Home." (For Furniture and House-Furnishings.) S. Davidson & Bros. No. 4,881; Apr. 23; v. 249; p. 984.
"Liberty Axles." (For Axles.) Ostenreider Advertising Corporation. No. 4,926; Aug. 13; v. 253; p. 512.
"Liberty Bread." (For Bread.) Robertson Paper Company. No. 4,891; May 21; v. 250; p. 765.
"Lightens Laundry Labor." (For Kirk's Flake White Laundry Soap.) James S. Kirk & Co. No. 4,972; Oct. 22; v. 255; p. 828.
"Lillian MacKenzie." (For Moxie.) The Moxie Co. No. 5,020; Dec. 24; v. 257; p. 816.
"Little Bow Peep." (For Ribbons, Particularly Hair-Bows.) Wertheimer Brothers. No. 4,888; Apr. 23; v. 249; p. 984.
"Magnus Headstock." (For Head-Stocks.) American Watch Tool Company. No. 4,930; Sept. 10; v. 254; p. 449.
"Magnus Lathe." (For Lathes.) American Watch Tool Company. No. 4,932; Sept. 10; v. 254; p. 449.
"Magnus Wire Chuck." (For Wire Chucks.) American Watch Tool Company. No. 4,928; Sept. 10; v. 254; p. 449.
"Makes Ford Brake Brake—Stops Chatter, Jar, Vibration—Keeps The Ford Fan Fanning." (For Transmission-Linings, Fan-Belts, and Brake-Linings.) Advance Automobile Accessories Corp. No. 4,878; Apr. 23; v. 249; p. 984.
"Mallory Hats." (For Hats.) E. A. Mallory & Sons. No. 4,874; Mar. 26; v. 248; p. 1001.
"Men Arrayed in Battle Array—Trench, A War Game." (For a War Game.) A. Landis. No. 5,017; Dec. 24; v. 257; p. 816.
"Moon Heel and Toe Plates." (For Heel and Toe Plates.) Surety Manufacturing Company. No. 4,985; Nov. 5; v. 256; p. 222.
"More Aunt Jemima buckwheat cakes eaten every month! So fine-flavored! So quick to make!" (For Buckwheat-Flour.) Aunt Jemima Mills Company. No. 4,996; Nov. 19; v. 256; p. 646.
"Mulo Makes Thirst A Pleasure." (For Mulo.) Common Sense Novelty Co. No. 4,880; Apr. 23; v. 249; p. 984.
"Muriel Ostriche." (For Moxie.) The Moxie Co. No. 5,022; Dec. 24; v. 257; p. 816.
"Never too Hot." (For Athletic Underwear.) The B. V. D. Company. No. 5,002; Nov. 26; v. 256; p. 820.
"None But the Brave Deserve the Fare." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 5,018; Dec. 24; v. 257; p. 816.
"Now—Let It Rain." (For Canvas Covers.) Peoria Tent & Awning Co. No. 4,884; Apr. 23; v. 249; p. 984.
"Oh Yes, Sir." (For Athletic Underwear.) The B. V. D. Company. No. 5,003; Nov. 26; v. 256; p. 820.
"Once When He Was Told To Play Awhile He Dug A Hole In The Ground." (For Shoes.) W. L. Douglas Shoe Co. No. 5,009; Nov. 26; v. 256; p. 820.
"120 Million Aunt Jemima breakfasts served last year. They're so good!" Aunt Jemima Mills Company. No. 4,995; Nov. 19; v. 256; p. 646.
"Open your package this way." (For Cigarettes.) The American Tobacco Co. No. 4,924; Aug. 13; v. 253; p. 512.
"Opening The Case." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,849; Jan. 22; v. 246; p. 1030.
"Oriola." (For Phonographs and Talking Machines.) C. S. Reuter. No. 4,885; Apr. 23; v. 249; p. 984.
"Our Cigars Always in the Lead 'The Leader.'" (For Cigars.) Kaufmann & Strauss Company. No. 4,925; Aug. 13; v. 253; p. 512.
"Our Cigars Are The Best 'Soldier and Sailor.'" (For Cigars.) Kaufmann & Strauss Company. No. 4,944; Sept. 17; v. 254; p. 654.
"Over 60 Million Aunt Jemima Breakfasts Served Last Year! Have One and Know Why!" (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,879; Apr. 23; v. 249; p. 984.
"P. A. is such a peach of a pal." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,910; June 18; v. 251; p. 674.
"P. A. plays the smoke game with all the cards on the table." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,855; Jan. 29; v. 246; p. 1202.
"P. A. puts such smiles in smokes." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,935; Sept. 10; v. 254; p. 449.
"P. A. puts such smiles in smokes!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,983; Nov. 5; v. 256; p. 222.

Alphabetical list of prints—Continued.

"Packing in P. A. Smokejoy Every Little Old Now-and-Again!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,908; June 18; v. 251; p. 674.
"Perfect pancakes every time! So quick so easy to make!" (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,992; Nov. 19; v. 256; p. 646.
"Perfect pancakes every time! So quick, so easy to make!" (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,994; Nov. 19; v. 256; p. 646.
"Pindapan Peanut Shortening." (For Shortening for Use in Cooking.) Magnolia Provision Company. No. 4,897; May 28; v. 250; p. 997.
"Playing Multo-Devo as Partners." (For Card Game.) C. F. May. No. 4,895; May 28; v. 250; p. 997.
"Plowing." (For Shoes.) W. L. Douglas Shoe Co. No. 4,967; Oct. 22; v. 255; p. 828.
"Plumbers' Auto Repair Kit." (For Kits Containing Plumbers' Supplies.) Ross Manufacturing Company. No. 4,914; July 2; v. 252; p. 243.
"Prepare For A Rainy Day." (For Bank-Signs.) The Twentieth Century Company. No. 4,854; Jan. 22; v. 246; p. 1030.
"Prince Albert the national joy smoke." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,861; Feb. 12; v. 247; p. 478.
"Prince Albert the national joy smoke." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,887; Apr. 23; v. 249; p. 984.
"Prince Albert the national joy smoke Crack open these snappy fall mornings with smokes and smiles." (For Smoking Tobacco.) R. J. Reynolds Tobacco Company. No. 4,981; Nov. 5; v. 256; p. 222.
"Prince Albert the national joy smoke Such a satisfying gift for a man who smokes!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,877; Apr. 2; v. 249; p. 234.
"Pull the monkey wrench out of your smokegears." (For Smoking Tobacco.) R. J. Reynolds Tobacco Company.) No. 4,982; Nov. 5; v. 256; p. 222.
"Purity First." (For a Chocolate Confection.) Common Sense Novelty Co. No. 4,847; Jan. 22; v. 246; p. 1030.
"Quality Counts." (For Kirk's Flake White Laundry Soap.) James S. Kirk & Co. No. 4,971; Oct. 22; v. 255; p. 828.
"Returning to His Factory." (For Shoes.) W. L. Douglas Shoe Co. No. 5,039; Dec. 31; v. 257; p. 1079.
"Reznor Gas Heaters." (For Gas-Heaters.) Reznor Manufacturing Company. No. 4,864; Feb. 26; v. 247; p. 963.
"Ring-in on P. A. if your smoke-appetite is howling-hungry for quality tobacco!" (For Smoking-Tobacco.) R. J. Reyonlds Tobacco Company. No. 4,936; Sept. 10; v. 254; p. 449.
"Rubberset Shaving Brushes." (For Shaving-Brushes.) Rubber & Celluloid Products Company. No. 4,845; Jan. 15; v. 246; p. 822.
"Safe—Never Out!" (For Athletic Underwear.) The B. V. D. Company. No. 5,005; Nov. 26; v. 256; p. 820.
"Save Your Sweater." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,027; Dec. 24; v. 257; p. 816.
"Schlitz Bock." (For Species of Beer Known as Bock.) The Guyler Lithographic Company. No. 4,851; Jan. 22; v. 246; p. 1030.
"Serve your guests these pancakes—perfect every time." (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,991; Nov. 19; v. 256; p. 646.
"60 Million Aunt Jemima breakfasts served last year Have one and see why." (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,869; Mar. 19; v. 248; p. 767.
"Skim Light—over the—Heat Waves; Dress Light!" (For Athletic Underwear.) The B. V. D. Company. No. 5,001; Nov. 26; v. 256; p. 820.
"Slickerine." (For Canvas Covers.) Peoria Tent & Awning Co. No. 4,883; Apr. 23; v. 249; p. 984.
"Smoking P. A. is like shifting into high." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,856; Jan. 29; v. 246; p. 1202.
"So, Boss." (For Shoes.) W. L. Douglas Shoe Co. No. 4,975; Nov. 5; v. 256; p. 222.
"Sox and Shirts that 'Come Back.'" (For Dye-Soap.) Sunbeam Chemical Co. No. 5,026; Dec. 24; v. 257; p. 816.
"Sterno All-Round Cooking Stove." (For Alcohol Cooking Outfits.) S. Sternau & Co. No. 4,938; Sept. 10; v. 254; p. 449.
"Sterno Canned Heat For Instant Cooking." (For Sterno Canned Heat.) S. Stearnau & Company. No. 4,866; Mar. 12; v. 248; p. 499.
"Sterno Disinfectant and Antiseptic." (For Disinfectant and Antiseptic Solutions.) S. Sternau & Co. No. 4,937; Sept. 10; v. 254; p. 449.
"Suede Felt." (For Men's Felt Hats.) F. Schoble & Co. No. 4,865; Mar. 12; v. 248; p. 499.
"Summer and Winter, Self-Cleaning Rabbit Hutch." (For Rabbit-Hutches.) C. P. Joseph. No. 5,016; Dec. 24; v. 257; p. 816.
"Taber Combined Cut out and Muffler." (For a Combined Cut-Out and Muffler.) S. W. Botnick. No. 5,000; Nov. 26; v. 256; p. 820.
"Take the worry out of driving." (For Tires.) The Gates Rubber Co. No. 5,019; Dec. 24; v. 257; p. 816.
"Tales Over the Tea Tables." (For Silverware.) International Silver Co. No. 4,867; Mar. 12; v. 248; p. 499.
"Thais Fettpuder." (For Face-Powder.) J. Davis. No. 4,892; May 28; v. 250; p. 997.
"The American Calendar." (For Calendars.) American Calendar Company. No. 4,939; Sept. 17; v. 254; p. 654.
"The Boy Who Pegged Shoes Started in Manufacturing." (For Shoes.) W. L. Douglas Shoe Co. No. 4,960; Oct. 22; v. 255; p. 828.
"The breakfast that he likes best! The breakfast that's easiest for you!" (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,993; Nov. 19; v. 256; p. 646.
"The 'Casco' System for Replacing Motor Boat Tops." (For Motor-Boat Tops.) A. W. Connor. No. 4,911; July 2; v. 252; p. 243.
"The food you come back to when you can get it—and now you can." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,956; Oct. 22; v. 255; p. 828.
"The Food you never tire of." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,955; Oct. 22; v. 255; p. 828.
"The Infallible Metal and Gravel Katcher." (For Gravel-Catchers Connected with Grinders and Pulverizers.) Williams Patent Crusher & Pulverizer Co. No. 5,013; Nov. 26; v. 256; p. 820.
"The Jackson." (For Talking-Machines.) B. C. Jackson. No. 4,986; Nov. 5; v. 256; p. 222.
"The Leader." (For Cigars.) Kaufmann & Strauss Company. No. 5,011; Nov. 26; v. 256; p. 820.
"The Mighty WADE Outsaws 10 Men!" (For Power Drag-Saws.) R. M. Wade & Co. No. 4,954; Oct. 8; v. 255; p. 366.
"The Mineral Wax Twins, 'Clean' and 'Good'." (For Carbon-Paper and Type-Writer Ribbons.) The Columbia Carbon Company. No. 4,901; June 18; v. 251; p. 674.
"The operator stamps W. L. Douglas name and the retail price on the bottom of all shoes." (For Shoes.) W. L. Douglas Shoe Co. No. 4,962; Oct. 22; v. 255; p. 828.
"The Pipe Smokers Delight." (For Compound for Use by Smokers.) L. W. Kramer. No. 4,890; May 21; v. 250; p. 765.
"The Present W. L. Douglas Factory at Brockton, Mass." (For Shoes.) W. L. Douglas Shoe Co. No. 4,959; Oct. 22; v. 255; p. 828.
"The Tie That Binds." (For Tape.) Liberty Paper Company. No. 4,973; Oct. 22; v. 255; p. 828.
"This 'pound-of-P. A.' in glad togs adds weeks to Christmas joys!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,858; Feb. 5; v. 247; p. 221.
"Time Teaches the Value of Appearances." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,029; Dec. 24; v. 257; p. 816.
"Tonola 'It Talks for Itself.'" (For Talking-Machines and Phonographs.) L. A. Priess. No. 4,876; Apr. 2; v. 249; p. 234.
"Trench Tubes." (For Trench-Tubes.) Davis & Geck. No. 4,919; Aug. 6; v. 253; p. 257.
"Trudging Along The Dusty Road." (For Shoes.) W. L. Douglas Shoe Co. No. 5,008; Nov. 26; v. 256; p. 820.
"Try One Of Our Cigars—The Best Smoke." (For Cigars.) Kaufmann & Strauss Company. No. 4,918; July 30; v. 252; p. 1141.
"Two of Schrader's Products." (For Pump Couplings and Gages.) A. Schrader's Son. No. 4,872; Mar. 19; v. 248; p. 767.
"Unit-Safety-Bar." (For Locomotive and Tender Connections.) Economy Devices Corporation. No. 4.857; Feb. 5; v. 247; p. 221.
"Uta made." (For Knitwear.) Ogden-Utah Knitting Co. Inc. No. 5,951; Oct. 8; v. 255; p. 366.
"Victory Bread." (For Bread.) P. Schulze. No. 4,846; Jan. 15; v. 246; p. 822.
"W. L. Douglas Acquired the Habit of Saving Early in Life." (For Shoes.) W. L. Douglas Shoe Co. No. 5,035; Dec. 31; v. 257; p. 1079.
"W. L. Douglas beating out sole leather." (For Shoes.) W. L. Douglas Shoe Co. No. 4,970; Oct. 22; v. 255; p. 828.
"W. L. Douglas learned how to design, draft and fit shoes." (For Shoes.) W. L. Douglas Shoe Co. No. 4,921; Aug. 6; v. 253; p. 257.
"W. L. Douglas pegging shoes at seven years of age." (For Shoes.) W. L. Douglas Shoe Co. No. 4,969; Oct. 22; v. 255; p. 828.
"W. L. Douglas was frequently required to haul leather and other materials in a wheelbarrow." (For Shoes.) W. L. Douglas Shoe Co. No. 4,903; June 18; v. 251; p. 674.

Alphabetical list of prints—Continued.

"W. L. Douglas was obliged to gather fuel to keep the fire going." (For Shoes.) W. L. Douglas Shoe Co. No. 4,961; Oct. 22; v. 255; p. 828.

"W. L. Douglas was permitted to attend school." (For Shoes.) W. L. Douglas Shoe Co. No. 4,963; Oct. 22; v. 255; p. 828.

"W. L. Douglas Was Permitted To Attend School For Short Periods." (For Shoes.) W. L. Douglas Shoe Co. No. 4,976; Nov. 5; v. 256; p. 222.

"W. L. Douglas Went to South Braintree, Mass., to Learn the Trade of Bootmaking." (For Shoes.) W. L. Douglas Shoe Co. No. 5,036; Dec. 31; v. 257; p. 1079.

"What's the answer when you get so much fun out of smoking." (For Smoking Tobacco.) R. J. Reynolds Tobacco Company. No. 4,984; Nov. 5; v. 256; p. 222.

"When W. L. Douglas was Eleven Years of Age." (For Shoes.) W. L. Douglas Shoe Co. No. 5,037; Dec. 31; v. 257; p. 1079.

"While working at his trade as journeyman shoemaker." (For Shoes.) W. L. Douglas Shoe Co. No. 4,958; Oct. 22; v. 255; p. 828.

"Woman Drying Hair with Fan." (For Cocoanut-Oil.) The R. L. Watkins Co. No. 4,899; May 28; v. 250; p. 997.

"'Wonderful—Yes!' Stylish Colors Instantly." (For Dye-Soap.) Sunbeam Chemical Co. No. 5,033; Dec. 24; v. 257; p. 816.

"Working early mornings." (For Shoes.) W. L. Douglas Shoe Co. No. 4,965; Oct. 22; v. 255; p. 828.

"Yankee." (For Cream-Cheese.) L. Kadans. No. 4,922; Aug. 6; v. 253; p. 257.

"You're smoke-set for keeps when you pick P. A. for your pet pal." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,909; June 18; v. 251; p. 674.

DISCLAIMERS.

Adding and listing machine. G. D. Sundstrand. (Reissue.) No. 14,237; date of patent Dec. 26, 1916; disclaimer filed June 7, 1918; v. 250; p. 517.

Engine-cylinders, Preventing carbon deposit in. W. R. Hartung. No. 1,277,578; date of patent Sept. 3, 1918; disclaimer filed Dec. 17, 1918; v. 257; p. 413.

Envelop-opening machine. H. D. Taylor. No. 1,150,905; date of patent Aug. 24, 1915; disclaimer filed May 29, 1918; v. 250; p. 517.

Folding and plaiting machine. E. J. Granger. No. 1,260,766; date of patent Mar. 26, 1918; disclaimer filed June 24, 1918; v. 251; p. 466.

Glass and making it, Non-scatterable. A. Roosevelt. No. 1,210,987; date of patent Jan. 2, 1917; disclaimer filed Dec. 19, 1918; v. 257; p. 413.

Gumming apparatus for ribbon-cutting machines. H. D. Schmidt. No. 1,266,058; date of patent May 14, 1918; disclaimer filed Oct. 23, 1918; v. 255; p. 834.

Mining-machine and truck. J. London. No. 1,205,097; date of patent Nov. 14, 1916; disclaimer filed June 3, 1918; v. 250; p. 517.

Pasteurizer and ripener. T. L. Valerius. No. 1,232,128; date of patent July 3, 1918; disclaimer filed July 5, 1918; v. 252; p. 249.

Shuttle folding and guiding device. F. M. Pierce. No. 1,196,022; date of patent Aug. 29, 1916; disclaimer filed Sept. 30, 1918; v. 254; p. 659.

Straw-dispenser. A. Berman. No. 962,300; date of patent June 21, 1910; disclaimer filed Nov. 4, 1918; v. 255; p. 834.

Switches, Control of electrically-operated. General Electric Company. No. 969,738; date of patent Sept. 6, 1910; disclaimer filed May 17, 1918; v. 250; p. 259.

Telephone system. E. Land. No. 1,189,836; date of patent July 4, 1916; disclaimer filed Apr. 19, 1918; v. 249; p. 988.

Tobacco booking and stripping machine. M. and E. M. Deiller. No. 985,984; date of patent Mar. 7, 1911; disclaimer filed Apr. 24, 1918; v. 249; p. 1226.

Tool-operating machine. A. L. Bechtel. No. 1,203,171; date of patent Oct. 31, 1916; disclaimer filed Apr. 24, 1918; v. 249; p. 1226.

Well-boring apparatus. A. G. Willard and C. E. Wilcox. No. 1,064,270; date of patent June 10, 1913; disclaimer filed Jan. 7, 1919; v. 257; p. 823.

Wrapping-machine folder. W. C. Stevens. No. 1,243,357; date of patent Oct. 16, 1917; disclaimer filed Sept. 30, 1918; v. 254; p. 659.

Wrapping-machines, Folder device for. W. C. Stevens. No. 1,244,255; date of patent Oct. 23, 1917; disclaimer filed Sept. 30, 1918; v. 254; p. 659.

CLASSIFICATION OF PATENTS.

Note.—First number=class, second number=subclass, third number=patent number.

1— 1: 1,274,465
2: R.14,507
1,255,201
1,274,934
1,279,885
1,281,688
3: 1,271,548
4: 1,256,553
1,268,355
1,288,704
5: 1,284,815
6: 1,262,486
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Classification of patents—Continued.

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Classification of patents—Continued.

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Classification of patents—Continued.

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